

**NATIONAL RAILROAD
PASSENGER CORPORATION**



**NORTHEAST CORRIDOR
EMPLOYEE TIMETABLE No. 5**

(SCHEDULES and SPECIAL INSTRUCTIONS)

**Effective 12:01 A.M., Eastern Standard Time
Monday, November 5, 2012**

**Most Recent General Order:
No. 504, Effective Monday, October 6, 2014**



DJ STADTLER
Vice President Operations

M. J. DECATALDO
General Manager
Northeast Corridor Services



AMTRAK MISSION STATEMENT

WE ARE

AMERICA'S PASSENGER

RAILROAD

**OUR MISSION IS TO CONSISTENTLY
DELIVER A HIGH QUALITY, SAFE, ON TIME
RAIL PASSENGER SERVICE THAT
EXCEEDS CUSTOMER EXPECTATIONS**

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Train	Days	Operates Between	TYPE	Located on Page
19	Daily	NYP-NOL	ICY	48
20	Daily	NOL-NYP	ICY	61
42	Daily	PGH-NYP	PEN	64, 74
43	Daily	NYP-PGH	PEN	44, 72
48	Daily	CHI-NYP	ICY	38
49	Daily	NYP-CHI	ICY	33
50	WeFrSu	CHI-NYP	ICY	69
51	Sun	NYP-CHI	ICY	41
51	WeFr	NYP-CHI	ICY	41
54	SaSu	WAS-SAB	VMT	22, 30, 58
55	M-F	SAB-WAS	VMT	18, 28, 53
56	M-F	WAS-SAB	VMT	23, 30, 59
57	SaSu	SAB-WAS	VMT	18, 28, 53
63	Daily	NYP-TOR	MPL	32
64	Daily	TOR-NYP	MPL	39
66	Daily	NPN-BOS	REG	21, 71
67	Daily	BOS-NPN	REG	20, 40
68	Daily	MTR-NYP	ADR	39
69	Daily	NYP-MTR	ADR	32
71	Sat	NYP-NFK	REG	49
79	Daily	NYP-CLT	CAR	42
80	Daily	CLT-NYP	CAR	68
82	Sat	RVR-BOS	REG	24, 61
83	Fri	BOS-NPN	REG	16, 48
84	M-F	RVR-NYP	REG	62
85	M-F	NYP-RVR	REG	49
86	M-F	RVR-BOS	REG	23, 59
87	Sun	NYP-RVR	REG	49
88	SaSu	NFK-BOS	REG	24, 62
89	Daily	NYP-SAV	ICY	41
90	Daily	SAV-NYP	ICY	71
91	Daily	NYP-MIA	ICY	45
92	Daily	MIA-NYP	ICY	66
93	M-Th	BOS-RVR	REG	16, 48
94	M-F	NPN-BOS	REG	26, 64
95	M-F	BOS-NPN	REG	14, 44
97	Daily	NYP-MIA	ICY	50
98	Daily	MIA-NYP	ICY	58
99	SaSu	BOS-NPN	REG	15, 47
110	M-F	WAS-NYP	REG	56
111	M-F	NYP-WAS	REG	40
121	Sat	NYP-WAS	REG	40
123	Sun	NYP-WAS	REG	54
125	M-F	NYP-NFK	REG	45
126	Sun	WAS-NYP	REG	67
127	M-F	NYP-WAS	REG	50
129	M-F	NYP-WAS	REG	51
130	M-F	WAS-NYP	REG	57
131	SaSu	NYP-WAS	REG	41
132	Sun	WAS-BOS	REG	27, 66
133	Fri	NYP-WAS	REG	47
134	ThFr	WAS-NYP	REG	66
135	SaSu	BOS-WAS	REG	18, 52
136	Fri	WAS-SPG	REG	27, 31, 68
137	M-F	BOS-WAS	REG	18, 52
138	M-F	WAS-NYP	REG	69
139	Sun	BOS-WAS	REG	20, 55
140	SaSu	WAS-SPG	REG	25, 30, 63
141	M-F	SPG-WAS	REG	14, 28, 44

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Train	Days	Operates Between	TYPE	Located on Page
143	SaSu	SPG-WAS	REG	14, 28, 44
145	Sun	SPG-LYH	REG	15, 28, 47
146	Sat	WAS-SPG	REG	27, 31, 67
147	Sat	SPG-LYH	REG	15, 28, 46
148	M-F	WAS-SPG	REG	26, 30, 65
150	SaSu	WAS-BOS	REG	21, 56
151	M-F	NYP-WAS	REG	40
152	SaSu	WAS-NYP	REG	59
153	SaSu	NYP-WAS	REG	42
154	Sun	WAS-NYP	REG	61
155	SaSu	NYP-WAS	REG	43
156	SaSu	LYH-NYP	REG	65
157	Sun	NYP-NFK	REG	46
158	SaSu	WAS-NYP	REG	69
159	SaSu	NYP-WAS	REG	51
160	SaSu	WAS-BOS	REG	22, 57
161	SaSu	BOS-WAS	REG	16, 48
162	SaSu	WAS-BOS	REG	22, 57
163	SaSu	BOS-WAS	REG	17, 51
164	SaSu	RVR-BOS	REG	23, 60
165	SaSu	BOS-WAS	REG	18, 54
166	Sun	WAS-BOS	REG	27, 69
167	Sat	BOS-WAS	REG	19, 54
168	Sat	WAS-BOS	REG	26, 65
169	SaSu	BOS-WAS	REG	20, 55
170	M-F	WAS-BOS	REG	22, 56
171	M-F	BOS-LYH	REG	15, 46
172	M-F	WAS-BOS	REG	22, 58
173	M-F	BOS-WAS	REG	16, 50
174	M-F	NFK-BOS	REG	24, 61
175	M-F	BOS-WAS	REG	19, 53
176	M-F	LYH-BOS	REG	24, 63
177	M-F	BOS-WAS	REG	20, 55
178	M-F	WAS-BOS	REG	27, 67
179	M-F	BOS-NYP	REG	20
180	M-F	WAS-NYP	REG	57
181	M-F	NYP-WAS	REG	40
182	SaSu	WAS-NYP	REG	70
183	M-F	NYP-WAS	REG	42
184	M-F	WAS-NYP	REG	60
185	M-F	NYP-WAS	REG	43
186	M-F	WAS-NYP	REG	64
187	M-F	NYP-WAS	REG	54
188	M-F	WAS-NYP	REG	70
190	M-F	WAS-BOS	REG	21, 56
192	Sat	WAS-NYP	REG	68
193	M-F	NYP-WAS	REG	52
194	SaSu	NPN-BOS	REG	25, 64
195	SaSu	BOS-RVR	REG	14, 45
196	M-Th	WAS-NYP	REG	68
198	Daily	WAS-NYP	REG	71
230	M-F	ALB-NYP	EMP	36
232	M-F	ALB-NYP	EMP	36
233	Daily	NYP-ALB	EMP	32
234	M-F	ALB-NYP	EMP	36
235	M-F	NYP-ALB	EMP	33
236	Daily	ALB-NYP	EMP	36
237	M-F	NYP-ALB	EMP	33

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Train	Days	Operates Between	TYPE	Located on Page
238	Daily	ALB-NYP	EMP	37
239	M-Th	NYP-ALB	EMP	34
241	Daily	NYP-ALB	EMP	34
242	M-F	ALB-NYP	EMP	38
243	M-F	NYP-ALB	EMP	33
244	Daily	ALB-NYP	EMP	38
245	M-F	NYP-ALB	EMP	35
250	SaSu	ALB-NYP	EMP	36
252	Sat	ALB-NYP	EMP	36
253	SaSu	NYP-ALB	EMP	34
254	Sun	ALB-NYP	EMP	37
255	Fri	NYP-ALB	EMP	33
256	Sun	ALB-NYP	EMP	37
259	SaSu	ALB-NYP	EMP	34
261	SaSu	NYP-ALB	EMP	35
280	M-Sa	NFL-NYP	EMP	37
281	Daily	NYP-NFL	EMP	32
283	Daily	NYP-NFL	EMP	32
284	Su-Fr	NFL-NYP	EMP	38
286	Sat	NFL-NYP	EMP	37
288	Sun	NFL-NYP	EMP	39
290	M-F	RUD-NYP	ETH	37
291	DexFr	NYP-RUD	ETH	33
292	Sat	RUD-NYP	ETH	38
293	Fri	NYP-RUD	ETH	34
296	Sun	RUD-NYP	ETH	39
401	SaSu	SPG-NHV	SHTL	28
405	SaSu	SPG-NHV	SHTL	28
432	Sun	NHV-SPG	SHTL	31
448	Daily	CHI-BOS	L H	25, 38
449	Daily	BOS-CHI	L H	17, 33
450	SaSu	NHV-SPG	SHTL	30
460	SaSu	NHV-SPG	SHTL	30
463	SaSu	SPG-NHV	SHTL	28
464	SaSu	NHV-SPG	SHTL	30
465	Sun	SPG-NHV	SHTL	29
467	Sat	SPG-NHV	SHTL	29
470	M-F	NHV-SPG	SHTL	30
475	M-F	SPG-NHV	SHTL	28
476	M-F	NHV-SPG	SHTL	30
479	M-F	SPG-NHV	SHTL	29
488	SaSu	NHV-SPG	SHTL	30
490	M-F	NHV-SPG	SHTL	30
493	M-F	SPG-NHV	SHTL	28
494	M-F	NHV-SPG	SHTL	30
495	M-F	SPG-NHV	SHTL	28
497	Sun	SPG-NHV	SHTL	29
600	M-F	HAR-PHL	KEY	74
601	M-F	PHL-HAR	KEY	72
605	M-F	PHL-HAR	KEY	72
607	M-F	PHL-HAR	KEY	72
609	M-F	PHL-HAR	KEY	72
610	Sat	HAR-PHL	KEY	75
611	Sat	PHL-HAR	KEY	72
612	Sun	HAR-PHL	KEY	75
615	Sun	PHL-HAR	KEY	72
618	M-Th	HAR-PHL	KEY	75
619	M-F	PHL-HAR	KEY	73

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Train	Days	Operates Between	TYPE	Located on Page
620	M-F	HAR-PHL	KEY	75
622	M-F	HAR-PHL	KEY	75
637	Sun	NYP-PHL	KEY	55
639	M-F	NYP-PHL	KEY	55
640	M-F	HAR-NYP	KEY	56, 74
641	M-F	NYP-HAR	KEY	42, 72
642	M-F	HAR-NYP	KEY	58, 74
643	M-F	NYP-HAR	KEY	43, 72
644	M-F	HAR-NYP	KEY	60, 74
645	M-F	NYP-HAR	KEY	46, 72
646	M-F	HAR-NYP	KEY	61, 74
647	M-F	NYP-HAR	KEY	48, 73
648	M-F	HAR-NYP	KEY	62, 74
649	M-F	NYP-HAR	KEY	48, 73
650	M-F	HAR-NYP	KEY	63, 74
651	M-F	NYP-HAR	KEY	50, 73
652	M-F	HAR-NYP	KEY	66, 75
653	M-F	NYP-HAR	KEY	51, 73
654	M-F	HAR-NYP	KEY	68, 75
655	M-F	NYP-HAR	KEY	53, 73
656	M-F	HAR-NYP	KEY	69, 75
658	Fri	HAR-NYP	KEY	70, 75
660	SaSu	HAR-NYP	KEY	58, 74
661	SaSu	NYP-HAR	KEY	41, 72
662	Sat	HAR-NYP	KEY	59, 74
663	SaSu	NYP-HAR	KEY	43, 72
664	SaSu	HAR-NYP	KEY	60, 74
665	SaSu	NYP-HAR	KEY	47, 73
666	SaSu	HAR-NYP	KEY	62, 74
667	SaSu	NYP-HAR	KEY	49, 73
669	SaSu	NYP-HAR	KEY	52, 73
670	SaSu	HAR-NYP	KEY	65, 75
671	SaSu	NYP-HAR	KEY	54, 73
672	SaSu	HAR-NYP	KEY	68, 75
674	Sun	HAR-NYP	KEY	70, 75
1297	Mon	NYP-ALB	DHD	32
2100	M-F	WAS-NYP	AXP	57
2103	M-F	NYP-WAS	AXP	40
2104	M-F	WAS-NYP	AXP	58
2107	M-F	NYP-WAS	AXP	41
2109	M-F	NYP-WAS	AXP	42
2110	M-F	WAS-NYP	AXP	61
2117	M-F	NYP-WAS	AXP	45
2119	M-F	NYP-WAS	AXP	52
2121	M-F	NYP-WAS	AXP	47
2122	M-F	WAS-NYP	AXP	67
2124	M-F	WAS-NYP	AXP	69
2126	M-F	WAS-NYP	AXP	70
2128	M-F	WAS-NYP	AXP	70
2150	M-F	WAS-BOS	AXP	21, 56
2151	M-F	BOS-WAS	AXP	14, 43
2153	M-F	BOS-WAS	AXP	14, 44
2154	M-F	WAS-BOS	AXP	22, 57
2155	M-F	BOS-WAS	AXP	15, 45
2158	M-F	WAS-BOS	AXP	23, 59
2159	M-F	BOS-WAS	AXP	16, 47
2160	M-F	WAS-BOS	AXP	23, 60
2163	M-F	BOS-WAS	AXP	17, 49
2164	M-F	WAS-BOS	AXP	24, 62

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Train	Days	Operates Between	TYPE	Located on Page
2165	M-F	BOS-WAS	AXP	17, 50
2166	M-F	WAS-BOS	AXP	25, 63
2167	M-F	BOS-WAS	AXP	17, 51
2168	M-F	WAS-BOS	AXP	25, 64
2170	M-F	WAS-BOS	AXP	26, 65
2171	M-F	BOS-WAS	AXP	19, 53
2172	M-F	WAS-BOS	AXP	26, 66
2173	M-F	BOS-WAS	AXP	19, 54
2175	M-F	BOS-WAS	AXP	20, 55
2190	M-F	NYP-BOS	AXP	21
2203	Sat	NYP-WAS	AXP	42
2205	Sun	NYP-WAS	AXP	43
2207	Sat	NYP-WAS	AXP	44
2208	Sun	WAS-NYP	AXP	60
2211	Sun	NYP-WAS	AXP	45
2212	SaSu	WAS-NYP	AXP	63
2213	Sun	NYP-WAS	AXP	46
2216	Sat	WAS-NYP	AXP	64
2220	Sat	WAS-NYP	AXP	66
2221	Sun	NYP-WAS	AXP	50
2222	Sun	WAS-NYP	AXP	67
2225	Sun	NYP-WAS	AXP	52
2228	Sun	WAS-NYP	AXP	71
2250	SaSu	WAS-BOS	AXP	23, 59
2251	Sat	BOS-WAS	AXP	15, 46
2252	Sun	WAS-BOS	AXP	24, 62
2253	SaSu	BOS-WAS	AXP	16, 49
2254	Sun	WAS-BOS	AXP	25, 63
2255	Sun	BOS-WAS	AXP	17, 51
2256	Sun	WAS-BOS	AXP	26, 65
2257	Sun	BOS-WAS	AXP	18, 53
2258	Sun	WAS-BOS	AXP	27, 67
2259	Sun	BOS-WAS	AXP	19, 54
2290	Sat	NYP-BOS	AXP	21
2297	Sun	BOS-NYP	AXP	19

<u>TYPE</u>	<u>SERVICE</u>
ADR	ADIRONDACK
AXP	ACELA EXPRESS
CAR	CAROLINIAN
EMP	EMPIRE
ETH	ETHAN ALLEN
KEY	KEYSTONE
ICY	INTERCITY LONG DISTANCE
PEN	PENNSYLVANIAN
REG	REGIONAL
SHTL	SPRINGFIELD SHUTTLE
VMT	VERMONT
DHD	DEADHEAD

INDEX TO TRAINS OPERATING ON THE NORTHEAST CORRIDOR

Train	Days	Will also Run	Will Not Run
19	Daily		
20	Daily		
42	Daily		
43	Daily		
48	Daily		
49	Daily		
50	WeFrSu		
51	Sun		
51	WeFr		
54	SaSu	5/27, 9/2	
55	M-F		5/27, 9/2
56	M-F		5/27, 9/2
57	SaSu	5/27, 9/2	
63	Daily		
64	Daily		
66	Daily		
67	Daily	5/27, 9/2 DEP 10* LATER WAS-NPN	
68	Daily		
69	Daily		
71	Sat	5/26, 9/1	
79	Daily		
80	Daily		
82	Sat	Ⓢ 5/26, 9/1 (WAS-BOS only)	
83	Fri		7/5
84	M-F		5/27, 9/2
85	M-F		5/27, 9/2
86	M-F		5/27, 9/2
87	Sun	5/27, 9/2	5/26, 9/1
88	SaSu	5/27, 9/2	
89	Daily		
90	Daily		
91	Daily		
92	Daily		
93	M-Th	7/5	5/27, 9/2
94	M-F		5/27, 9/2
95	M-F		5/27, 9/2
97	Daily		
98	Daily		
99	SaSu	5/27, 9/2	
110	M-F		5/27,7/4, 7/5, 9/2
111	M-F		5/27, 9/2
121	Sat	5/26, 9/1	
123	Sun	5/27, 9/2	
125	M-F		5/27, 9/2
126	Sun	5/27, 9/2	5/26, 9/1
127	M-F		5/27, 9/2
129	M-F		5/27, 9/2
130	M-F		5/27, 9/2
131	SaSu	5/27, 9/2	
132	Sun	5/27, 9/2	5/26, 9/1
133	Fri		7/5
134	ThFr		7/4
135	SaSu	5/27, 9/2	
136	Fri		
137	M-F		5/27, 9/2
138	M-F		5/27, 9/2
139	Sun	5/27, 9/2	5/26, 9/1
140	SaSu	5/27, 9/2	

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Train	Days	Will also Run	Will Not Run
141	M-F		5/27, 9/2
143	SaSu	5/27, 9/2	
145	Sun	5/27, 9/2	5/26, 9/1
146	Sat	5/26, 9/1	
147	Sat	5/26, 9/1	
148	M-F		5/27, 9/2
150	SaSu		
151	M-F		5/27, 7/4, 9/2
152	SaSu	5/27, 9/2	
153	SaSu	5/27, 9/2	
154	Sun	5/27, 9/2	5/26, 9/1
155	SaSu	5/27, 9/2	
156	SaSu	5/27, 9/2	
157	Sun	5/27, 9/2	5/26, 9/1
158	SaSu	5/27, 9/2	
159	SaSu	5/27, 9/2	
160	SaSu	5/27, 9/2	
161	SaSu	5/27, 9/2	
162	SaSu	5/27, 9/2	
163	SaSu	5/27, 9/2	
164	SaSu	5/27, 9/2	
165	SaSu	5/27, 9/2	
166	Sun	5/27, 9/2	5/26, 9/1
167	Sat	5/26, 9/1	
168	Sat	5/26, 9/1	
169	SaSu	5/27, 9/2	
170	M-F		5/27, 9/2
171	M-F		5/27, 9/2
172	M-F		5/27, 9/2
173	M-F		5/27, 9/2
174	M-F		5/27, 9/2
175	M-F		5/27, 9/2
176	M-F		5/27, 9/2
177	M-F		5/27, 9/2
178	M-F		5/27, 9/2
179	M-F		5/27, 9/2
180	M-F		5/27, 7/4, 9/2
181	M-F		5/27, 7/4, 7/5, 9/2
182	SaSu	5/27, 9/2	
183	M-F		5/27, 9/2
184	M-F		5/27, 9/2
185	M-F		5/27, 9/2
186	M-F		5/27, 9/2
187	M-F		5/27, 9/2
188	M-F		5/27, 9/2
190	M-F		5/27, 9/2
192	Sat	5/26, 9/1	
193	M-F		5/27, 9/2
194	SaSu	5/27, 9/2	
195	SaSu	5/27, 9/2	
196	M-Th		5/27, 9/2
198	Daily		
230	M-F		5/27, 7/4, 7/5, 9/2
232	M-F		5/27, 7/4, 7/5, 9/2
233	Daily		
234	M-F		5/27, 7/4, 7/5, 9/2
235	M-F		5/27, 7/4, 7/5, 9/2
236	Daily		

INDEX TO TRAINS OPERATING ON THE NORTHEAST CORRIDOR

Train	Days	Will also Run	Will Not Run
237	M-F		5/27, 7/4, 7/5, 9/2
238	Daily		
239	M-Th		5/27, 7/4, 7/5, 9/2
241	Daily		
242	M-F		5/27, 7/4, 7/5, 9/2
243	M-F		5/27, 7/4, 7/5, 9/2
244	Daily		
245	M-F		5/27, 7/4, 7/5, 9/2
250	SaSu	5/27, 7/4, 7/5, 9/2	
252	Sat	5/26, 7/4, 7/5, 9/1	
253	SaSu	5/27, 7/4, 7/5, 9/2	
254	Sun	5/27, 9/2	5/26, 9/1
255	Fri	7/3	7/5
256	Sun	5/27, 9/2	5/26, 9/1
259	SaSu	5/27, 7/4, 7/5, 9/2	
261	SaSu	5/27, 7/4, 7/5, 9/2	
280	M-Sa	5/26, 9/1	5/27, 9/2
281	Daily		
283	Daily		
284	Su-Fr		5/26, 7/4, 7/5, 9/1
286	Sat	5/26, 7/4, 7/5, 9/1	
288	Sun	5/27, 9/2	5/26, 9/1
290	M-F		5/27, 7/4, 7/5, 9/2
291	DexFr	7/5	7/3
292	Sat	5/26, 7/4, 7/5	7/20, 7/27, 8/3, 8/10, 8/17, 8/24, 8/31
293	Fri	7/3	7/5
296	Sun	5/27, 7/20, 7/27, 8/3, 8/10, 8/17, 8/24, 8/31, 9/2	5/26, 9/1
401	SaSu	5/27, 9/2	
405	SaSu	5/27, 9/2	
432	Sun	5/27, 9/2	5/26, 9/1
448	Daily		
449	Daily		
450	SaSu	5/27, 9/2	
460	SaSu	5/27, 9/2	
463	SaSu	5/27, 9/2	
464	SaSu	5/27, 9/2	
465	Sun	5/27, 9/2	5/26, 9/1
467	Sat	5/26, 9/1	
470	M-F		5/27, 9/2
475	M-F		5/27, 9/2
476	M-F		5/27, 9/2
479	M-F		5/27, 9/2
488	SaSu	5/27, 9/2	
490	M-F		5/27, 9/2
493	M-F		5/27, 9/2
494	M-F		5/27, 9/2
495	M-F		5/27, 9/2
497	Sun	5/27, 9/2	5/26, 9/1
600	M-F		5/27, 7/4, 9/2
601	M-F		5/27, 7/4, 9/2
605	M-F		5/27, 7/4, 9/2
607	M-F		5/27, 7/4, 9/2
609	M-F		5/27, 7/4, 9/2
610	Sat	5/27, 7/4, 9/2	
611	Sat	5/27, 7/4, 9/2	
612	Sun	5/27, 9/2	5/26, 9/1
615	Sun	5/27, 9/2	5/26, 9/1
618	M-Th		5/27, 7/4, 9/2

INDEX TO TRAINS OPERATING ON THE NORTHEAST CORRIDOR

Train	Days	Will also Run	Will Not Run
619	M-F		5/27, 7/4, 9/2
620	M-F		5/27, 7/4, 9/2
622	M-F		5/27, 7/4, 9/2
637	Sun	5/27, 9/2	5/26, 9/1
639	M-F		5/27, 7/4, 9/2
640	M-F		5/27, 7/4, 9/2
641	M-F		5/27, 7/4, 9/2
642	M-F		5/27, 7/4, 9/2
643	M-F		5/27, 7/4, 9/2
644	M-F		5/27, 7/4, 9/2
645	M-F		5/27, 7/4, 9/2
646	M-F		5/27, 7/4, 9/2
647	M-F		5/27, 7/4, 9/2
648	M-F		5/27, 7/4, 9/2
649	M-F		5/27, 7/4, 9/2
650	M-F		5/27, 7/4, 9/2
651	M-F		5/27, 7/4, 9/2
652	M-F		5/27, 7/4, 9/2
653	M-F		5/27, 7/4, 9/2
654	M-F		5/27, 7/4, 9/2
655	M-F		5/27, 7/4, 9/2
656	M-F		5/27, 7/4, 9/2
658	Fri		
660	SaSu	5/27, 7/4, 9/2	
661	SaSu	5/27, 7/4, 9/2	
662	Sat	5/26, 7/4, 9/1	
663	SaSu	5/27, 7/4, 9/2	
664	SaSu	5/27, 7/4, 9/2	
665	SaSu	5/27, 7/4, 9/2	
666	SaSu	5/27, 7/4, 9/2	
667	SaSu	5/27, 7/4, 9/2	
669	SaSu	5/27, 7/4, 9/2	
670	SaSu	5/27, 7/4, 9/2	
671	SaSu	5/27, 7/4, 9/2	
672	SaSu	5/27, 7/4, 9/2	
674	Sun	5/27, 9/2	5/26, 9/1
1297	Mon	5/28, 9/3	5/27, 9/2
2100	M-F		5/27, 7/4, 7/5, 9/2
2103	M-F		5/27, 7/4, 7/5, 9/2
2104	M-F		5/27, 7/4, 7/5, 9/2
2107	M-F		5/27, 7/4, 9/2
2109	M-F		5/27, 7/4, 7/5, 9/2
2110	M-F		5/27, 7/4, 7/5, 9/2
2117	M-F		5/27, 7/4, 7/5, 9/2
2119	M-F		5/27, 7/4, 7/5, 9/2
2121	M-F		5/27, 7/4, 7/5, 9/2
2122	M-F		5/27, 7/4, 7/5, 9/2
2124	M-F		5/27, 7/4, 9/2
2126	M-F		5/27, 7/4, 7/5, 9/2
2128	M-F		5/27, 7/4, 7/5, 9/2
2150	M-F	7/5 as 2192 (NYP-BOS)	5/27, 7/4, 7/5, 9/2
2151	M-F		5/27, 7/4, 9/2
2153	M-F		5/27, 7/4, 7/5, 9/2
2154	M-F		5/27, 7/4, 9/2
2155	M-F		5/27, 7/4, 9/2
2158	M-F		5/27, 7/4, 9/2
2159	M-F		5/27, 7/4, 9/2
2160	M-F	7/5 as 2108 (WAS-NYP)	5/27, 7/4, 7/5, 9/2

INDEX TO TRAINS OPERATING ON THE NORTHEAST CORRIDOR

Train	Days	Will also Run	Will Not Run
2163	M-F		5/27, 7/4, 9/2
2164	M-F		5/27, 7/4, 9/2
2165	M-F		5/27, 7/4, 7/5, 9/2
2166	M-F		5/27, 7/4, 7/5, 9/2
2167	M-F		5/27, 7/4, 9/2
2168	M-F		5/27, 7/4, 9/2
2170	M-F		5/27, 7/4, 7/5, 9/2
2171	M-F		5/27, 7/4, 9/2
2172	M-F		5/27, 7/4, 9/2
2173	M-F		5/27, 7/4, 7/5, 9/2
2175	M-F	7/5 as 2193 (BOS-NYP)	5/27, 7/4, 7/5, 9/2
2190	M-F		5/27, 7/4, 9/2
2203	Sat	5/26, 7/4, 9/1	
2205	Sun	5/27, 9/2	5/26, 9/1
2207	Sat	5/26, 7/4, 9/1	
2208	Sun	5/27, 9/2	5/26, 9/1
2211	Sun		
2212	SaSu	5/27, 7/4, 9/2	
2213	Sun	5/27, 9/2	5/26, 9/1
2216	Sat	5/26, 7/4, 9/1	
2220	Sat	5/26, 7/4, 9/1	
2221	Sun	5/27, 9/2	5/26, 9/1
2222	Sun	5/27, 9/2	5/26, 9/1
2225	Sun	5/27, 9/2	5/26, 9/1
2228	Sun	5/27, 9/2	5/26, 9/1
2250	SaSu	5/27, 7/4, 9/2	
2251	Sat	5/26, 7/4, 9/1	
2252	Sun	5/27, 9/2	5/26, 9/1
2253	SaSu	5/27, 7/4, 9/2	
2254	Sun	5/27, 9/2	5/26, 9/1
2255	Sun	5/27, 9/2	5/26, 9/1
2256	Sun	5/27, 9/2	5/26, 9/1
2257	Sun	5/27, 9/2	5/26, 9/1
2258	Sun	5/27, 9/2	5/26, 9/1
2259	Sun	5/27, 9/2	5/26, 9/1
2290	Sat	5/26, 7/4, 9/1	
2297	Sun	5/27, 9/2	5/26, 9/1

NOTE: ① Train 82 operates only between WAS-BOS on 5/26 and 9/1.

BOSTON - NEW HAVEN - NEW YORK

	☐ 2151 M-F	141 M-F	☐ 2153 M-F	143 SaSu	95 M-F	195 SaSu
Boston	S 5:10A	...	R 6:05A	...	R 6:10A	S 6:40A
<i>Cove-Tower 1</i>	5:12A	...	6:07A	...	6:12A	6:42A
Back Bay	R 5:15A	...	R 6:11A	...	R 6:15A	R 6:45A
<i>Transfer Int.</i>	5:21A	...	6:17A	...	6:22A	6:52A
Route 128	R 5:24A	...	R 6:21A	...	R 6:25A	R 6:55A
<i>(Canton) Junction Int.</i>	5:26A	...	6:23A	...	6:28A	6:58A
<i>Mansfield Int.</i>	5:31A	...	6:27A	...	6:34A	7:05A
<i>Holden Int.</i>	5:33A	...	6:30A	...	6:37A	7:08A
<i>Hebronville Int.</i>	5:36A	...	6:33A	...	6:41A	7:11A
<i>Lawn Int.</i>	5:39A	...	6:37A	...	6:44A	7:14A
<i>Orms Int.</i>	5:41A	...	6:39A	...	6:47A	7:17A
Providence	S 5:45A	...	S 6:43A	...	S 6:50A	S 7:20A
<i>Atwells Int.</i>	5:46A	...	6:45A	...	6:52A	7:22A
<i>Cranston Int.</i>	5:49A	...	6:48A	...	6:55A	7:25A
<i>Davisville Int.</i>	5:55A	...	6:54A	...	7:03A	7:33A
Kingston	6:00A	...	6:59A	...	S 7:11A	S 7:41A
<i>High St. Int.</i>	6:09A	...	7:08A	...	7:22A	7:53A
Westerly	6:11A	...	7:10A	...	S 7:25A	S 7:56A
Mystic	6:17A	...	7:16A	...	7:33A	8:04A
<i>Mystic Moveable Br.</i>	6:18A	...	7:17A	...	7:33A	8:05A
<i>Groton Int.</i>	6:25A	...	7:24A	...	7:40A	8:12A
New London	S 6:29A	...	7:26A	...	S 7:45A	S 8:18A
<i>Shaw's Cove Moveable Br.</i>	6:31A	...	7:27A	...	7:46A	8:19A
<i>Nan Mvble Br.</i>	6:37A	...	7:33A	...	7:53A	8:25A
<i>Crescent Int.</i>	6:39A	...	7:34A	...	7:55A	8:27A
<i>Conn Moveable Br.</i>	6:44A	From	7:40A	From	8:00A	8:33A
<i>View Int.</i>	6:45A	SPG	7:41A	SPG	8:01A	8:34A
Old Saybrook	6:46A	...	7:42A	...	S 8:04A	S 8:37A
<i>Guilford Int.</i>	6:55A	...	7:50A	...	8:17A	8:47A
<i>Branford Station (SLE)</i>	7:00A	...	7:56A	...	8:26A	8:55A
<i>Mill River Jct</i>	7:07A	7:19A	8:04A	7:49A	8:34A	9:05A
<i>CP 274 (Fair St-MNR Div. Post)</i>	7:09A	7:26A	8:09A	7:58A	8:37A	9:07A
New Haven - Arr	H 7:11A	S 7:28A	S 8:13A	S 8:00A	S 8:41A	S 9:09A
New Haven - Dep	H 7:16A	S 7:38A	S 8:15A	S 8:11A	S 8:45A	S 9:11A
Bridgeport	...	S 7:58A	...	S 8:31A	...	S 9:31A
Stamford	H 7:56A	S 8:23A	...	S 8:56A	S 9:28A	S 9:56A
New Rochelle	...	S 8:45A	...	S 9:15A	...	S 10:15A
<i>CP 216 (XSH-Shell Int-MNR)</i>	8:15A	8:52A	9:12A	9:20A	9:48A	10:20A
<i>Manor Int.</i>	8:18A	8:55A	9:13A	9:21A	9:49A	10:21A
<i>Pelham Bay</i>	8:24A	9:00A	9:18A	9:26A	9:54A	10:26A
<i>Gate Int.</i>	8:36A	9:12A	9:31A	9:41A	10:08A	10:39A
<i>Harold Int. (LIRR)</i>	8:38A	9:13A	9:33A	9:43A	10:12A	10:43A
<i>F</i>	8:39A	9:15A	9:34A	9:44A	10:14A	10:45A
<i>JO (PSE)</i>	8:44A	9:19A	9:39A	9:49A	10:19A	10:49A
New York (Penn Sta.) - Arr	S 8:45A	S 9:20A	S 9:40A	S 9:50A	S 10:20A	S 10:50A
New York (Penn Sta.) - Dep	S 9:00A	LV 9:36A	S 10:00A	LV 10:06A	LV 10:36A	LV 11:06A

BOSTON - NEW HAVEN - NEW YORK

	☐ 2155 M-F	147 Sat	☐ 2251 Sat	145 Sun	171 M-F	99 SaSu
Boston	S 7:15A	...	R 8:10A	...	S 8:15A	S 8:40A
<i>Cove-Tower 1</i>	7:17A	...	8:12A	...	8:17A	8:42A
Back Bay	R 7:20A	...	R 8:15A	...	R 8:20A	R 8:45A
<i>Transfer Int.</i>	7:26A	...	8:22A	...	8:27A	8:52A
Route 128	R 7:29A	...	R 8:25A	...	R 8:30A	R 8:55A
<i>(Canton) Junction Int.</i>	7:31A	...	8:27A	...	8:33A	8:58A
<i>Mansfield Int.</i>	7:36A	...	8:31A	...	8:39A	9:04A
<i>Holden Int.</i>	7:38A	...	8:34A	...	8:42A	9:07A
<i>Hebronville Int.</i>	7:41A	...	8:36A	...	8:45A	9:10A
<i>Lawn Int.</i>	7:44A	...	8:40A	...	8:48A	9:13A
<i>Orms Int.</i>	7:46A	...	8:42A	...	8:51A	9:15A
Providence	S 7:50A	...	S 8:45A	...	S 8:54A	S 9:19A
<i>Atwells Int.</i>	7:51A	...	8:46A	...	8:56A	9:20A
<i>Cranston Int.</i>	7:54A	...	8:49A	...	8:59A	9:24A
<i>Davisville Int.</i>	8:00A	...	8:55A	...	9:07A	9:31A
Kingston	8:05A	...	9:00A	...	S 9:14A	S 9:40A
<i>High St. Int.</i>	8:14A	...	9:09A	...	9:26A	9:51A
Westerly	8:16A	...	9:11A	...	9:27A	S 9:53A
Mystic	8:22A	...	9:17A	...	9:34A	S 10:04A
<i>Mystic Moveable Br.</i>	8:23A	...	9:18A	...	9:34A	10:05A
<i>Groton Int.</i>	8:30A	...	9:25A	...	9:42A	10:13A
New London	8:32A	...	9:27A	...	S 9:47A	S 10:19A
<i>Shaw's Cove Moveable Br.</i>	8:33A	...	9:28A	...	9:48A	10:20A
<i>Nan Mvble Br.</i>	8:40A	...	9:35A	...	9:58A	10:28A
<i>Crescent Int.</i>	8:42A	...	9:37A	...	10:00A	10:30A
<i>Conn Moveable Br.</i>	8:47A	From	9:43A	From	10:06A	10:36A
<i>View Int.</i>	8:48A	SPG	9:44A	SPG	10:07A	10:37A
Old Saybrook	8:49A	...	9:45A	...	S 10:09A	10:38A
<i>Guilford Int.</i>	8:58A	...	9:54A	...	10:20A	10:49A
<i>Branford Station (SLE)</i>	9:03A	...	10:02A	...	10:26A	10:56A
<i>Mill River Jct</i>	9:10A	9:23A	10:11A	10:22A	10:33A	11:05A
<i>CP 274 (Fair St-MNR Div. Post)</i>	9:11A	9:28A	10:14A	10:28A	10:36A	11:07A
New Haven -Arr	...	S 9:30A	S 10:16A	S 10:30A	S 10:39A	S 11:09A
New Haven - Dep	9:13A	S 9:41A	S 10:18A	S 10:41A	S 10:41A	S 11:11A
Bridgeport	...	S 10:01A	...	S 11:01A	S 11:01A	S 11:31A
Stamford	S 9:52A	S 10:26A	S 10:57A	S 11:26A	S 11:26A	S 11:56A
New Rochelle	...	S 10:45A	...	S 11:45A	...	S 12:15P
<i>CP 216 (XSH-Shell Int-MNR)</i>	10:12A	10:50A	11:17A	11:50A	11:47A	12:20P
<i>Manor Int.</i>	10:13A	10:51A	11:18A	11:51A	11:48A	12:22P
<i>Pelham Bay</i>	10:19A	10:55A	11:23A	11:55A	11:56A	12:26P
<i>Gate Int.</i>	10:30A	11:07A	11:36A	12:07P	12:07P	12:41P
<i>Harold Int. (LIRR)</i>	10:32A	11:09A	11:38A	12:09P	12:08P	12:43P
<i>F</i>	10:33A	11:11A	11:39A	12:11P	12:10P	12:44P
<i>JO (PSE)</i>	10:39A	11:19A	11:44A	12:19P	12:15P	12:49P
New York (Penn Sta.) – Arr	S 10:40A	S 11:20A	S 11:45A	S 12:20P	S 12:16P	S 12:50P
New York (Penn Sta.) – Dep	S 11:00A	LV 12:06P	S 12:00P	LV 12:56P	LV 12:36P	LV 1:18P

BOSTON - NEW HAVEN - NEW YORK

	☐ 2159 M-F	93 Mo-Th	83 Fri	161 SaSu	173 M-F	☐ 2253 SaSu
Boston	S 9:15A	S 9:35A	S 9:35A	S 9:40A	S 11:05A	S 11:10A
<i>Cove-Tower 1</i>	9:17A	9:37A	9:37A	9:42A	11:07A	11:12A
Back Bay	R 9:20A	R 9:41A	R 9:41A	R 9:45A	R 11:11A	R 11:14A
<i>Transfer Int.</i>	9:26A	9:48A	9:47A	9:52A	11:18A	11:21A
Route 128	R 9:29A	R 9:51A	R 9:51A	R 9:55A	R 11:22A	R 11:23A
<i>(Canton) Junction Int.</i>	9:31A	9:54A	9:54A	9:58A	11:25A	11:26A
<i>Mansfield Int.</i>	9:35A	9:59A	9:59A	10:04A	11:30A	11:30A
<i>Holden Int.</i>	9:38A	10:02A	10:02A	10:07A	11:34A	11:33A
<i>Hebronville Int.</i>	9:40A	10:05A	10:05A	10:10A	11:37A	11:35A
<i>Lawn Int.</i>	9:44A	10:09A	10:09A	10:13A	11:40A	11:38A
<i>Orms Int.</i>	9:46A	10:11A	10:11A	10:16A	11:42A	11:41A
Providence	S 9:50A	S 10:16A	S 10:16A	S 10:20A	S 11:56A	S 11:44A
<i>Atwells Int.</i>	9:51A	10:17A	10:17A	10:22A	11:58A	11:45A
<i>Cranston Int.</i>	9:54A	10:21A	10:21A	10:25A	12:01P	11:49A
<i>Davisville Int.</i>	10:00A	10:28A	10:28A	10:33A	12:08P	11:58A
Kingston	10:05A	S 10:37A	S 10:37A	S 10:41A	S 12:16P	12:03P
<i>High St. Int.</i>	10:14A	10:48A	10:48A	10:53A	12:28P	12:12P
Westerly	10:16A	S 10:51A	S 10:51A	10:54A	12:29P	12:14P
Mystic	10:22A	S 11:01A	S 11:01A	11:01A	12:36P	12:19P
<i>Mystic Moveable Br.</i>	10:23A	11:02A	11:02A	11:02A	12:36P	12:20P
<i>Groton Int.</i>	10:30A	11:10A	11:10A	11:09A	12:43P	12:27P
New London	10:33A	S 11:17A	S 11:17A	S 11:15A	S 12:48P	12:30P
<i>Shaw's Cove Moveable Br.</i>	10:34A	11:18A	11:18A	11:16A	12:49P	12:31P
<i>Nan Mvble Br.</i>	10:42A	11:24A	11:24A	11:22A	12:56P	12:37P
<i>Crescent Int.</i>	10:43A	11:26A	11:26A	11:24A	12:59P	12:39P
<i>Conn Moveable Br.</i>	10:49A	11:32A	11:32A	11:31A	1:05P	12:44P
<i>View Int.</i>	10:50A	11:33A	11:33A	11:32A	1:06P	12:45P
Old Saybrook	10:50A	S 11:36A	S 11:36A	S 11:35A	1:07P	12:46P
<i>Guilford Int.</i>	10:59A	11:48A	11:48A	11:46A	1:18P	12:57P
<i>Branford Station (SLE)</i>	11:05A	11:55A	11:55A	11:54A	1:25P	1:03P
<i>Mill River Jct</i>	11:11A	12:05P	12:05P	12:03P	1:34P	1:11P
<i>CP 274 (Fair St-MNR Div. Post)</i>	11:12A	12:07P	12:07P	12:06P	1:36P	1:13P
New Haven - Arr	S 11:16A	S 12:09P	S 12:09P	S 12:09P	S 1:38P	S 1:16P
New Haven - Dep	S 11:18A	S 12:11P	S 12:11P	S 12:11P	S 1:41P	S 1:18P
Bridgeport	...	S 12:31P	S 12:31P	S 12:31P	S 2:01P	...
Stamford	S 11:57A	S 12:56P	S 12:56P	S 12:56P	S 2:26P	S 1:57P
New Rochelle	...	S 1:15P	S 1:15P	S 1:15P	S 2:45P	...
<i>CP 216 (XSH-Shell Int-MNR)</i>	12:17P	1:20P	1:20P	1:20P	2:50P	2:17P
<i>Manor Int.</i>	12:21P	1:27P	1:27P	1:21P	2:51P	2:18P
<i>Pelham Bay</i>	12:25P	1:31P	1:31P	1:25P	2:55P	2:24P
<i>Gate Int.</i>	12:36P	1:42P	1:42P	1:36P	3:06P	2:36P
<i>Harold Int. (LIRR)</i>	12:38P	1:44P	1:44P	1:38P	3:08P	2:38P
<i>F</i>	12:39P	1:45P	1:45P	1:39P	3:10P	2:39P
<i>JO (PSE)</i>	12:44P	1:49P	1:49P	1:43P	3:15P	2:44P
New York (Penn Sta.) - Arr	S 12:45P	S 1:50P	S 1:50P	S 1:44P	S 3:16P	S 2:45P
New York (Penn Sta.) - Dep	S 1:00P	LV 2:06P	LV 2:06P	LV 2:06P	LV 3:36P	S 3:00P

BOSTON - NEW HAVEN - NEW YORK

	☐ 2163 M-F	163 SaSu	☐ 449 Daily	☐ 2165 M-F	☐ 2255 Sun	☐ 2167 M-F
Boston	S 11:15A	R 11:40A	R 11:55A	S 12:15P	R 1:10P	S 1:15P
<i>Cove-Tower 1</i>	11:17A	11:42A	11:58A	12:17P	1:12P	1:18P
Back Bay	R 11:20A	R 11:45A	R 12:00P	R 12:20P	R 1:14P	R 1:21P
<i>Transfer Int.</i>	11:26A	11:52A	...	12:26P	1:21P	1:27P
Route 128	R 11:29A	R 11:55A	To	R 12:29P	R 1:23P	R 1:30P
<i>(Canton) Junction Int.</i>	11:31A	11:58A	ALB	12:31P	1:26P	1:32P
<i>Mansfield Int.</i>	11:35A	12:04P	...	12:36P	1:30P	1:37P
<i>Holden Int.</i>	11:38A	12:07P	...	12:38P	1:33P	1:39P
<i>Hebronville Int.</i>	11:40A	12:10P	...	12:41P	1:35P	1:42P
<i>Lawn Int.</i>	11:44A	12:14P	...	12:44P	1:38P	1:45P
<i>Orms Int.</i>	11:46A	12:17P	...	12:46P	1:41P	1:47P
Providence	S 11:51A	S 12:20P	...	S 12:50P	S 1:44P	S 1:51P
<i>Atwells Int.</i>	11:52A	12:22P	...	12:51P	1:45P	1:52P
<i>Cranston Int.</i>	11:55A	12:25P	...	12:54P	1:48P	1:55P
<i>Davisville Int.</i>	12:01P	12:33P	...	1:00P	1:55P	2:01P
Kingston	12:06P	S 12:41P	...	1:05P	1:59P	2:06P
<i>High St. Int.</i>	12:15P	12:52P	...	1:14P	2:09P	2:15P
Westerly	12:17P	S 12:56P	...	1:16P	2:11P	2:17P
Mystic	12:23P	1:05P	...	1:22P	2:16P	2:23P
<i>Mystic Moveable Br.</i>	12:24P	1:05P	...	1:23P	2:17P	2:24P
<i>Groton Int.</i>	12:31P	1:12P	...	1:30P	2:24P	2:31P
New London	12:33P	S 1:18P	...	1:34P	2:26P	2:33P
<i>Shaw's Cove Moveable Br.</i>	12:34P	1:19P	...	1:35P	2:27P	2:34P
<i>Nan Mvble Br.</i>	12:41P	1:25P	...	1:41P	2:34P	2:42P
<i>Crescent Int.</i>	12:42P	1:27P	...	1:42P	2:37P	2:43P
<i>Conn Moveable Br.</i>	12:48P	1:33P	...	1:48P	2:42P	2:49P
<i>View Int.</i>	12:49P	1:34P	...	1:49P	2:43P	2:50P
Old Saybrook	12:49P	S 1:37P	...	1:50P	2:44P	2:50P
<i>Guilford Int.</i>	12:59P	1:47P	...	1:58P	2:53P	2:59P
<i>Branford Station (SLE)</i>	1:06P	1:55P	...	2:04P	3:00P	3:05P
<i>Mill River Jct</i>	1:13P	2:04P	...	2:11P	3:09P	3:11P
<i>CP 274 (Fair St-MNR Div. Post)</i>	1:14P	2:06P	...	2:14P	3:12P	3:12P
New Haven -Arr	S 1:16P	S 2:08P	...	S 2:16P	S 3:16P	S 3:16P
New Haven - Dep	S 1:18P	S 2:11P	...	S 2:18P	S 3:18P	S 3:18P
Bridgeport	...	S 2:31P	...	...	...	...
Stamford	S 1:57P	S 2:56P	...	S 2:57P	S 3:57P	S 3:57P
New Rochelle	...	S 3:15P	...	...	...	...
<i>CP 216 (XSH-Shell Int-MNR)</i>	2:17P	3:20P	...	3:17P	4:17P	4:17P
<i>Manor Int.</i>	2:21P	3:21P	...	3:21P	4:18P	4:19P
<i>Pelham Bay</i>	2:25P	3:26P	...	3:25P	4:24P	4:23P
<i>Gate Int.</i>	2:36P	3:41P	...	3:36P	4:35P	4:34P
<i>Harold Int. (LIRR)</i>	2:38P	3:43P	...	3:38P	4:37P	4:36P
<i>F</i>	2:39P	3:45P	...	3:39P	4:38P	4:38P
<i>JO (PSE)</i>	2:44P	3:49P	...	3:44P	4:44P	4:44P
New York (Penn Sta.) – Arr	S 2:45P	S 3:50P	...	S 3:45P	S 4:45P	S 4:45P
New York (Penn Sta.) – Dep	S 3:00P	LV 4:06P	...	S 4:00P	S 5:00P	S 5:00P

BOSTON - NEW HAVEN - NEW YORK

	135 SaSu	137 M-F	57 SaSu	55 M-F	165 SaSu	□ 2257 Sun
Boston	R 1:40P	S 1:40P	...	...	R 3:00P	R 3:10P
<i>Cove-Tower 1</i>	<i>1:42P</i>	<i>1:42P</i>	...	...	<i>3:02P</i>	<i>3:12P</i>
Back Bay	R 1:45P	R 1:46P	...	...	R 3:06P	R 3:15P
<i>Transfer Int.</i>	<i>1:52P</i>	<i>1:53P</i>	...	...	<i>3:13P</i>	<i>3:22P</i>
Route 128	R 1:55P	R 1:57P	...	...	R 3:16P	R 3:25P
<i>(Canton) Junction Int.</i>	<i>1:58P</i>	<i>2:00P</i>	...	...	<i>3:19P</i>	<i>3:27P</i>
<i>Mansfield Int.</i>	<i>2:04P</i>	<i>2:05P</i>	...	...	<i>3:25P</i>	<i>3:32P</i>
<i>Holden Int.</i>	<i>2:07P</i>	<i>2:09P</i>	...	...	<i>3:28P</i>	<i>3:34P</i>
<i>Hebronville Int.</i>	<i>2:10P</i>	<i>2:12P</i>	...	...	<i>3:31P</i>	<i>3:37P</i>
<i>Lawn Int.</i>	<i>2:13P</i>	<i>2:15P</i>	...	...	<i>3:34P</i>	<i>3:40P</i>
<i>Orms Int.</i>	<i>2:16P</i>	<i>2:17P</i>	...	...	<i>3:37P</i>	<i>3:42P</i>
Providence	S 2:19P	S 2:21P	...	...	S 3:49P	S 3:46P
<i>Atwells Int.</i>	<i>2:21P</i>	<i>2:22P</i>	...	...	<i>3:52P</i>	<i>3:48P</i>
<i>Cranston Int.</i>	<i>2:24P</i>	<i>2:26P</i>	...	...	<i>3:56P</i>	<i>3:51P</i>
<i>Davisville Int.</i>	<i>2:32P</i>	<i>2:33P</i>	...	...	<i>4:03P</i>	<i>3:57P</i>
Kingston	S 2:39P	S 2:42P	...	...	S 4:12P	4:02P
<i>High St. Int.</i>	<i>2:51P</i>	<i>2:53P</i>	...	...	<i>4:23P</i>	<i>4:12P</i>
Westerly	2:52P	2:54P	...	...	S 4:26P	4:14P
Mystic	3:00P	3:01P	...	...	S 4:36P	4:19P
<i>Mystic Moveable Br.</i>	<i>3:00P</i>	<i>3:02P</i>	...	...	<i>4:37P</i>	<i>4:20P</i>
<i>Groton Int.</i>	<i>3:07P</i>	<i>3:09P</i>	...	...	<i>4:45P</i>	<i>4:27P</i>
New London	S 3:12P	S 3:14P	...	...	S 4:50P	4:29P
<i>Shaw's Cove Moveable Br.</i>	<i>3:13P</i>	<i>3:15P</i>	...	...	<i>4:51P</i>	<i>4:30P</i>
<i>Nan Mvble Br.</i>	<i>3:20P</i>	<i>3:21P</i>	...	...	<i>4:57P</i>	<i>4:37P</i>
<i>Crescent Int.</i>	<i>3:22P</i>	<i>3:23P</i>	...	...	<i>4:59P</i>	<i>4:39P</i>
<i>Conn Moveable Br.</i>	<i>3:28P</i>	<i>3:29P</i>	...	...	<i>5:05P</i>	<i>4:45P</i>
<i>View Int.</i>	<i>3:30P</i>	<i>3:30P</i>	From.	From.	<i>5:06P</i>	<i>4:46P</i>
Old Saybrook	3:31P	S 3:32P	SAB.	SAB.	S 5:09P	4:46P
<i>Guilford Int.</i>	<i>3:42P</i>	<i>3:44P</i>	...	...	<i>5:20P</i>	<i>4:55P</i>
<i>Branford Station (SLE)</i>	<i>3:51P</i>	<i>3:52P</i>	...	...	<i>5:26P</i>	<i>5:02P</i>
<i>Mill River Jct</i>	<i>4:00P</i>	<i>4:02P</i>	<i>4:20P</i>	<i>4:20P</i>	<i>5:34P</i>	<i>5:11P</i>
<i>CP 274 (Fair St-MNR Div. Post)</i>	<i>4:04P</i>	<i>4:04P</i>	<i>4:28P</i>	<i>4:28P</i>	<i>5:37P</i>	<i>5:13P</i>
New Haven - Arr	S 4:07P	S 4:08P	S 4:30P	S 4:30P	S 5:41P	S 5:16P
New Haven - Dep	S 4:11P	S 4:11P	S 4:41P	S 4:41P	S 5:43P	S 5:18P
Bridgeport	S 4:31P	S 4:31P	S 5:01P	S 5:01P	S 6:03P	...
Stamford	S 4:56P	S 4:56P	S 5:28P	S 5:28P	S 6:28P	S 5:57P
New Rochelle	S 5:15P	S 5:15P	...	...	S 6:47P	...
<i>CP 216 (XSH-Shell Int-MNR)</i>	<i>5:20P</i>	<i>5:20P</i>	<i>5:52P</i>	<i>5:52P</i>	<i>6:52P</i>	<i>6:17P</i>
<i>Manor Int.</i>	<i>5:21P</i>	<i>5:21P</i>	<i>5:53P</i>	<i>5:53P</i>	<i>6:53P</i>	<i>6:18P</i>
<i>Pelham Bay</i>	<i>5:25P</i>	<i>5:25P</i>	<i>5:57P</i>	<i>5:58P</i>	<i>6:57P</i>	<i>6:25P</i>
<i>Gate Int.</i>	<i>5:36P</i>	<i>5:35P</i>	<i>6:08P</i>	<i>6:13P</i>	<i>7:08P</i>	<i>6:36P</i>
<i>Harold Int. (LIRR)</i>	<i>5:38P</i>	<i>5:50P</i>	<i>6:11P</i>	<i>6:16P</i>	<i>7:11P</i>	<i>6:38P</i>
<i>F</i>	<i>5:39P</i>	<i>5:53P</i>	<i>6:15P</i>	<i>6:19P</i>	<i>7:14P</i>	<i>6:39P</i>
<i>JO (PSE)</i>	<i>5:44P</i>	<i>5:59P</i>	<i>6:24P</i>	<i>6:23P</i>	<i>7:20P</i>	<i>6:44P</i>
New York (Penn Sta.) - Arr	S 5:45P	S 6:00P	S 6:25P	S 6:24P	S 7:21P	S 6:45P
New York (Penn Sta.) - Dep	LV 6:06P	LV 6:26P	LV 7:02P	LV 6:46P	LV 8:02P	S 7:00P

BOSTON - NEW HAVEN - NEW YORK

	□ 2171 M-F	175 M-F	□ 2259 Sun	□ 2173 M-F	167 Sat	□ 2297 Sun
Boston	S 3:15P	S 3:20P	S 4:10P	S 4:30P	S 4:35P	S 5:10P
<i>Cove-Tower 1</i>	3:17P	3:22P	4:12P	4:32P	4:37P	5:12P
Back Bay	R 3:20P	R 3:26P	R 4:14P	R 4:35P	R 4:40P	R 5:15P
<i>Transfer Int.</i>	3:26P	3:33P	4:21P	4:41P	4:47P	5:23P
Route 128	R 3:29P	R 3:37P	R 4:23P	R 4:44P	R 4:50P	R 5:25P
<i>(Canton) Junction Int.</i>	3:31P	3:40P	4:26P	4:46P	4:53P	5:28P
<i>Mansfield Int.</i>	3:36P	3:45P	4:30P	4:51P	4:59P	5:32P
<i>Holden Int.</i>	3:38P	3:48P	4:33P	4:53P	5:02P	5:35P
<i>Hebronville Int.</i>	3:41P	3:51P	4:35P	4:56P	5:05P	5:37P
<i>Lawn Int.</i>	3:44P	3:55P	4:38P	4:59P	5:08P	5:41P
<i>Orms Int.</i>	3:46P	3:57P	4:41P	5:01P	5:11P	5:45P
Providence	S 3:50P	S 4:01P	S 4:44P	S 5:05P	S 5:14P	S 5:48P
<i>Atwells Int.</i>	3:52P	4:03P	4:45P	5:06P	5:16P	5:49P
<i>Cranston Int.</i>	3:56P	4:06P	4:48P	5:09P	5:19P	5:52P
<i>Davisville Int.</i>	4:02P	4:13P	4:55P	5:15P	5:27P	5:59P
Kingston	4:07P	S 4:22P	5:00P	5:20P	S 5:35P	6:03P
<i>High St. Int.</i>	4:16P	4:33P	5:12P	5:29P	5:47P	6:13P
Westerly	4:19P	4:35P	5:14P	5:31P	S 5:51P	6:15P
Mystic	4:24P	S 4:44P	5:19P	5:36P	5:59P	6:20P
<i>Mystic Moveable Br.</i>	4:25P	4:45P	5:20P	5:37P	5:59P	6:21P
<i>Groton Int.</i>	4:33P	4:52P	5:27P	5:44P	6:07P	6:28P
New London	4:35P	S 4:57P	5:29P	5:46P	S 6:13P	6:30P
<i>Shaw's Cove Moveable Br.</i>	4:36P	4:58P	5:30P	5:47P	6:15P	6:31P
<i>Nan Mvble Br.</i>	4:42P	5:04P	5:36P	5:53P	6:23P	6:37P
<i>Crescent Int.</i>	4:43P	5:06P	5:38P	5:55P	6:26P	6:39P
<i>Conn Moveable Br.</i>	4:50P	5:11P	5:43P	6:00P	6:31P	6:44P
<i>View Int.</i>	4:51P	5:12P	5:44P	6:01P	6:32P	6:45P
Old Saybrook	4:52P	S 5:15P	5:45P	6:02P	S 6:36P	6:46P
<i>Guilford Int.</i>	5:00P	5:27P	5:54P	6:11P	6:49P	6:55P
<i>Branford Station (SLE)</i>	5:06P	5:36P	5:59P	6:20P	6:57P	7:02P
<i>Mill River Jct</i>	5:12P	5:45P	6:09P	6:29P	7:06P	7:11P
<i>CP 274 (Fair St-MNR Div. Post)</i>	5:14P	5:46P	6:11P	6:33P	7:07P	7:13P
New Haven -Arr	S 5:16P	S 5:48P	S 6:15P	S 6:36P	S 7:09P	S 7:16P
New Haven - Dep	S 5:18P	S 5:50P	S 6:18P	S 6:38P	S 7:11P	S 7:18P
Bridgeport	...	...	...	...	S 7:31P	...
Stamford	S 5:57P	S 6:32P	S 6:57P	S 7:17P	S 7:56P	S 7:57P
New Rochelle	...	...	...	...	S 8:15P	...
<i>CP 216 (XSH-Shell Int-MNR)</i>	6:17P	6:53P	7:17P	7:37P	8:20P	8:17P
<i>Manor Int.</i>	6:18P	6:54P	7:21P	7:38P	8:23P	8:17P
<i>Pelham Bay</i>	6:20P	6:57P	7:25P	7:42P	8:29P	8:22P
<i>Gate Int.</i>	6:32P	7:11P	7:36P	7:55P	8:40P	8:35P
<i>Harold Int. (LIRR)</i>	6:34P	7:14P	7:38P	7:58P	8:43P	8:37P
<i>F</i>	6:35P	7:15P	7:39P	7:59P	8:45P	8:38P
<i>JO (PSE)</i>	6:39P	7:19P	7:44P	8:04P	8:49P	8:44P
New York (Penn Sta.) – Arr	S 6:40P	S 7:20P	S 7:45P	S 8:05P	S 8:50P	A 8:45P
New York (Penn Sta.) – Dep	S 7:00P	LV 7:41P	S 8:00P	S 8:20P	LV 9:06P	

BOSTON - NEW HAVEN - NEW YORK

	□ 2175 M-F	177 M-F	139 Sun	169 SaSu	179 M-F	◇ 67 Daily
Boston	S 5:20P	R 5:35P	R 5:40P	S 6:40P	S 6:45P	S 9:30P
<i>Cove-Tower 1</i>	5:22P	5:37P	5:42P	6:42P	6:48P	9:33P
Back Bay	R 5:25P	R 5:40P	R 5:45P	R 6:45P	R 6:51P	R 9:36P
<i>Transfer Int.</i>	5:31P	5:47P	5:52P	6:52P	6:58P	9:46P
Route 128	R 5:34P	R 5:50P	R 5:55P	R 6:55P	R 7:01P	R 9:50P
<i>(Canton) Junction Int.</i>	5:36P	5:53P	5:58P	6:58P	7:04P	9:54P
<i>Mansfield Int.</i>	5:41P	5:59P	6:04P	7:04P	7:09P	10:03P
<i>Holden Int.</i>	5:43P	6:02P	6:07P	7:07P	7:12P	10:08P
<i>Hebronville Int.</i>	5:48P	6:05P	6:10P	7:10P	7:15P	10:12P
<i>Lawn Int.</i>	5:53P	6:08P	6:13P	7:13P	7:19P	10:15P
<i>Orms Int.</i>	5:56P	6:11P	6:16P	7:16P	7:21P	10:18P
Providence	S 5:58P	S 6:14P	S 6:20P	S 7:20P	S 7:25P	S 10:22P
<i>Atwells Int.</i>	5:59P	6:16P	6:22P	7:22P	7:26P	10:24P
<i>Cranston Int.</i>	6:02P	6:19P	6:25P	7:25P	7:30P	10:28P
<i>Davisville Int.</i>	6:09P	6:29P	6:33P	7:33P	7:37P	10:38P
Kingston	6:13P	S 6:38P	S 6:41P	S 7:41P	S 7:45P	S 10:48P
<i>High St. Int.</i>	6:22P	6:49P	6:52P	7:52P	7:56P	11:02P
Westerly	6:24P	S 6:52P	S 6:55P	7:53P	7:58P	S 11:05P
Mystic	6:30P	S 7:01P	7:03P	S 8:02P	8:05P	S 11:17P
<i>Mystic Moveable Br.</i>	6:31P	7:03P	7:03P	8:04P	8:05P	11:18P
<i>Groton Int.</i>	6:38P	7:10P	7:10P	8:11P	8:13P	11:25P
New London	6:40P	S 7:15P	S 7:15P	S 8:16P	S 8:17P	S 11:31P
<i>Shaw's Cove Moveable Br.</i>	6:41P	7:16P	7:16P	8:17P	8:18P	11:31P
<i>Nan Mvble Br.</i>	6:48P	7:23P	7:23P	8:24P	8:24P	11:39P
<i>Crescent Int.</i>	6:50P	7:25P	7:25P	8:26P	8:26P	11:41P
<i>Conn Moveable Br.</i>	6:55P	7:31P	7:32P	8:32P	8:32P	11:48P
<i>View Int.</i>	6:56P	7:32P	7:33P	8:33P	8:33P	11:50P
Old Saybrook	6:57P	S 7:36P	S 7:35P	S 8:35P	8:34P	S 11:53P
<i>Guilford Int.</i>	7:07P	7:47P	7:46P	8:47P	8:45P	12:06A
<i>Branford Station (SLE)</i>	7:15P	7:56P	7:54P	8:54P	8:53P	12:14A
<i>Mill River Jct</i>	7:23P	8:05P	8:03P	9:04P	9:03P	12:24A
<i>CP 274 (Fair St-MNR Div. Post)</i>	7:25P	8:08P	8:06P	9:06P	9:06P	12:26A
New Haven - Arr	S 7:27P	S 8:12P	S 8:09P	S 9:09P	S 9:10P	H 12:30A
New Haven - Dep	S 7:29P	S 8:14P	S 8:11P	S 9:11P	S 9:12P	H 12:40A
Bridgeport	...	S 8:34P	S 8:31P	S 9:31P	S 9:32P	...
Stamford	S 8:08P	S 8:59P	S 8:56P	S 9:56P	S 9:57P	H 1:25A
New Rochelle	...	S 9:18P	S 9:15P	S 10:15P	...	...
<i>CP 216 (XSH-Shell Int-MNR)</i>	8:28P	9:23P	9:20P	10:20P	10:18P	1:48A
<i>Manor Int.</i>	8:30P	9:27P	9:21P	10:21P	10:19P	1:49A
<i>Pelham Bay</i>	8:32P	9:31P	9:25P	10:25P	10:25P	1:52A
<i>Gate Int.</i>	8:46P	9:42P	9:36P	10:37P	10:36P	2:06A
<i>Harold Int. (LIRR)</i>	8:48P	9:44P	9:38P	10:39P	10:37P	2:09A
<i>F</i>	8:48P	9:45P	9:39P	10:40P	10:39P	2:10A
<i>JO (PSE)</i>	8:53P	9:49P	9:44P	10:45P	10:44P	2:14A
New York (Penn Sta.) - Arr	S 8:55P	S 9:50P	S 9:45P	S 10:46P	A 10:45P	S 2:15A
New York (Penn Sta.) - Dep	S 9:15P	LV 10:06P	LV 10:06P	LV 11:06P		LV 3:01A

NEW YORK - NEW HAVEN - BOSTON

	◇ 66 Daily	□ 2190 M-F	□ 190 M-F	□ 150 SaSu	□ 2150 M-F	□ 2290 Sat
New York (Penn Sta.) – Arr	S 1:50A		S 6:40A	S 6:40A	S 7:42A	S 7:49A
New York (Penn Sta.) – Dep	LV 2:41A	S 6:20A	LV 6:56A	LV 7:01A	S 8:03A	S 8:03A
<i>JO (PSE)</i>	2:42A	6:20A	6:57A	7:02A	8:04A	8:04A
<i>F</i>	2:47A	6:25A	7:01A	7:07A	8:08A	8:07A
<i>Harold Int. (LIRR)</i>	2:48A	6:27A	7:02A	7:08A	8:09A	8:09A
<i>Gate Int.</i>	2:55A	6:29A	7:03A	7:10A	8:11A	8:11A
<i>Pelham Bay</i>	3:05A	6:42A	7:18A	7:21A	8:21A	8:22A
<i>Manor Int.</i>	3:08A	6:45A	7:21A	7:26A	8:26A	8:27A
<i>CP 216 (XSH-Shell Int-MNR)</i>	3:10A	6:46A	7:23A	7:27A	8:28A	8:29A
New Rochelle	...	...	...	...	...	...
Stamford	H 3:30A	S 7:04A	S 7:44A	S 7:47A	S 8:46A	S 8:46A
Bridgeport	...	...	...	...	...	...
New Haven - Arr	S 4:25A	S 7:50A	S 8:29A	S 8:31A	S 9:28A	S 9:29A
New Haven - Dep	S 4:40A	S 7:52A	S 8:31A	S 8:33A	S 9:30A	S 9:31A
<i>CP 274 (Fair St-MNR Div. Post)</i>	4:41A	7:53A	8:32A	8:34A	9:31A	9:32A
<i>Mill River Jct</i>	4:43A	7:54A	8:33A	8:35A	9:32A	9:33A
<i>Branford Station (SLE)</i>	4:52A	8:00A	8:41A	8:42A	9:38A	9:40A
<i>Guilford Int.</i>	5:00A	8:05A	8:47A	8:48A	9:43A	9:45A
Old Saybrook	S 5:13A	8:14A	S 9:01A	S 9:02A	9:53A	9:54A
<i>View Int.</i>	5:14A	8:15A	9:02A	9:03A	9:54A	9:55A
<i>Conn Moveable Br.</i>	5:15A	8:16A	9:03A	9:04A	9:55A	9:56A
<i>Crescent Int.</i>	5:22A	8:21A	9:09A	9:10A	10:01A	10:01A
<i>Nan Mvble Br.</i>	5:24A	8:23A	9:12A	9:12A	10:02A	10:03A
<i>Shaw's Cove Moveable Br.</i>	5:31A	8:28A	9:19A	9:19A	10:07A	10:08A
New London	S 5:34A	L 8:32A	S 9:22A	S 9:22A	10:08A	10:09A
<i>Groton Int.</i>	5:39A	8:35A	9:24A	9:25A	10:10A	10:11A
<i>Mystic Moveable Br.</i>	5:46A	8:41A	9:32A	9:32A	10:16A	10:17A
Mystic	S 5:49A	8:42A	9:32A	S 9:35A	10:17A	10:18A
Westerly	S 6:02A	8:47A	9:39A	S 9:46A	10:23A	10:23A
<i>High St. Int.</i>	6:11A	8:49A	9:40A	9:53A	10:25A	10:25A
Kingston	S 6:27A	8:59A	S 9:53A	S 10:06A	10:34A	10:35A
<i>Davisville Int.</i>	6:36A	9:03A	9:59A	10:12A	10:39A	10:40A
<i>Cranston Int.</i>	6:45A	9:09A	10:07A	10:20A	10:47A	10:49A
<i>Atwells Int.</i>	6:48A	9:12A	10:10A	10:23A	10:51A	10:52A
Providence	S 6:58A	L 9:16A	S* 10:14A	S* 10:27A	L 10:55A	L 10:56A
<i>Orms Int.</i>	7:00A	9:17A	10:15A	10:29A	10:56A	10:57A
<i>Lawn Int.</i>	7:03A	9:19A	10:21A	10:36A	11:02A	11:03A
<i>Hebronville Int.</i>	7:10A	9:27A	10:29A	10:44A	11:10A	11:11A
<i>Holden Int.</i>	7:16A	9:34A	10:32A	10:47A	11:13A	11:14A
<i>Mansfield Int.</i>	7:21A	9:37A	10:35A	10:49A	11:15A	11:16A
<i>(Canton) Junction Int.</i>	7:31A	9:44A	10:40A	10:55A	11:20A	11:21A
Route 128	D 7:38A	D 9:49A	D 10:45A	D 10:59A	D 11:25A	D 11:25A
<i>Transfer Int.</i>	7:40A	9:51A	10:47A	11:01A	11:26A	11:26A
Back Bay	D 7:56A	D 10:05A	D 10:55A	D 11:08A	D 11:35A	D 11:35A
<i>Cove-Tower 1</i>	7:57A	10:06A	10:56A	11:09A	11:35A	11:36A
Boston	8:00A	A 10:10A	A 10:59A	A 11:13A	A 11:40A	A 11:40A

NEW YORK - NEW HAVEN - BOSTON

	170 M-F	160 SaSu	162 SaSu	□ 2154 M-F	172 M-F	54 SaSu
New York (Penn Sta.) – Arr	S 8:13A	S 8:45A	S 9:42A	S 9:47A	S 10:44A	S 10:43A
New York (Penn Sta.) – Dep	LV 8:31A	LV 9:01A	LV 10:01A	S 10:03A	LV 11:01A	LV 11:31A
<i>JO (PSE)</i>	8:32A	9:02A	10:02A	10:04A	11:02A	11:32A
<i>F</i>	8:37A	9:07A	10:07A	10:09A	11:06A	11:37A
<i>Harold Int. (LIRR)</i>	8:38A	9:08A	10:08A	10:10A	11:07A	11:39A
<i>Gate Int.</i>	8:40A	9:10A	10:10A	10:12A	11:08A	11:41A
<i>Pelham Bay</i>	8:51A	9:21A	10:21A	10:23A	11:21A	11:52A
<i>Manor Int.</i>	8:55A	9:25A	10:25A	10:25A	11:24A	11:58A
<i>CP 216 (XSH-Shell Int-MNR)</i>	8:56A	9:26A	10:26A	10:26A	11:26A	11:59A
New Rochelle	S 8:57A	S 9:27A	S 10:27A	...	S 11:27A	...
Stamford	S 9:18A	S 9:48A	S 10:48A	S 10:43A	S 11:48A	S 12:18P
Bridgeport	S 9:42A	S 10:12A	S 11:12A	...	S 12:12P	S 12:42P
New Haven - Arr	S 10:06A	S 10:36A	S 11:36A	S 11:26A	S 12:36P	S 1:06P
New Haven - Dep	S 10:38A	S 10:38A	S 11:38A	S 11:30A	S 12:38P	S 1:20P
<i>CP 274 (Fair St-MNR Div. Post)</i>	10:10A	10:39A	11:39A	11:32A	12:39P	1:21P
<i>Mill River Jct</i>	10:11A	10:40A	11:40A	11:35A	12:40P	1:23P
<i>Branford Station (SLE)</i>	10:19A	10:47A	11:47A	11:44A	12:47P	To
<i>Guilford Int.</i>	10:25A	10:53A	11:53A	11:51A	12:53P	SAB
Old Saybrook	10:35A	11:04A	S 12:08P	12:01P	S 1:08P	...
<i>View Int.</i>	10:36A	11:04A	12:10P	12:02P	1:09P	...
<i>Conn Moveable Br.</i>	10:37A	11:05A	12:11P	12:03P	1:10P	...
<i>Crescent Int.</i>	10:43A	11:11A	12:17P	12:09P	1:16P	...
<i>Nan Mvble Br.</i>	10:45A	11:13A	12:18P	12:10P	1:18P	...
<i>Shaw's Cove Moveable Br.</i>	10:52A	11:20A	12:25P	12:15P	1:25P	...
New London	S 10:55A	S 11:23A	S 12:28P	12:16P	S 1:28P	...
<i>Groton Int.</i>	10:58A	11:25A	12:31P	12:18P	1:30P	...
<i>Mystic Moveable Br.</i>	11:06A	11:33A	12:38P	12:24P	1:38P	...
Mystic	S 11:08A	11:33A	S 12:41P	12:26P	1:38P	...
Westerly	S 11:18A	S 11:42A	12:50P	12:31P	1:46P	...
<i>High St. Int.</i>	11:20A	11:44A	12:54P	12:33P	1:46P	...
Kingston	S 11:33A	S* 11:58A	S 1:08P	12:42P	S 2:00P	...
<i>Davisville Int.</i>	11:40A	12:05P	1:14P	12:47P	2:07P	...
<i>Cranston Int.</i>	11:47A	12:12P	1:22P	12:53P	2:15P	...
<i>Atwells Int.</i>	11:50A	12:19P	1:25P	12:56P	2:18P	...
Providence	S* 11:55A	S* 12:27P	S* 1:29P	L 12:59P	S* 2:22P	...
<i>Orms Int.</i>	11:56A	12:28P	1:31P	1:00P	2:24P	...
<i>Lawn Int.</i>	11:59A	12:35P	1:34P	1:03P	2:27P	...
<i>Hebronville Int.</i>	12:03P	12:43P	1:42P	1:10P	2:35P	...
<i>Holden Int.</i>	12:06P	12:46P	1:49P	1:16P	2:42P	...
<i>Mansfield Int.</i>	12:13P	12:49P	1:51P	1:18P	2:45P	...
<i>(Canton) Junction Int.</i>	12:22P	12:54P	1:58P	1:23P	2:50P	...
Route 128	D 12:27P	D 12:59P	D 2:02P	D 1:27P	D 2:55P	...
<i>Transfer Int.</i>	12:29P	1:01P	2:04P	1:28P	2:57P	...
Back Bay	D 12:38P	D 1:09P	D 2:12P	D 1:36P	D 3:06P	...
<i>Cove-Tower 1</i>	12:39P	1:10P	2:14P	1:37P	3:08P	...
Boston	A 12:43P	A 1:13P	A 2:18P	A 1:41P	A 3:12P	...

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	56 M-F	□ 2158 M-F	□ 2250 SaSu	86 M-F	164 SaSu	□ 2160 M-F
New York (Penn Sta.) – Arr	S 11:21A	S 11:46A	S 11:52A	S 12:05P	S 12:47P	S 12:46P
New York (Penn Sta.) – Dep	LV 11:34A	S 12:03P	S 12:05P	LV 12:31P	LV 1:01P	S 1:03P
<i>JO (PSE)</i>	11:35A	12:04P	12:06P	12:32P	1:02P	1:04P
<i>F</i>	11:40A	12:08P	12:09P	12:38P	1:07P	1:08P
<i>Harold Int. (LIRR)</i>	11:41A	12:09P	12:11P	12:39P	1:08P	1:09P
<i>Gate Int.</i>	11:43A	12:11P	12:12P	12:41P	1:10P	1:11P
<i>Pelham Bay</i>	11:54A	12:22P	12:23P	12:51P	1:21P	1:22P
<i>Manor Int.</i>	11:58A	12:25P	12:27P	12:55P	1:25P	1:25P
<i>CP 216 (XSH-Shell Int-MNR)</i>	11:59A	12:26P	12:29P	12:56P	1:26P	1:26P
New Rochelle	...	...	...	...	S 1:27P	...
Stamford	S 12:18P	S 12:43P	S 12:46P	S 1:16P	S 1:48P	S 1:43P
Bridgeport	S 12:42P	...	...	...	S 2:12P	...
New Haven - Arr	S 1:06P	S 1:26P	S 1:29P	S 2:00P	S 2:36P	S 2:26P
New Haven - Dep	S 1:22P	S 1:30P	S 1:31P	S 2:05P	S 2:38P	S 2:28P
<i>CP 274 (Fair St-MNR Div. Post)</i>	1:23P	1:33P	1:32P	2:07P	2:39P	2:29P
<i>Mill River Jct</i>	1:25P	1:34P	1:33P	2:08P	2:40P	2:30P
<i>Branford Station (SLE)</i>	To	1:41P	1:39P	2:16P	2:47P	2:38P
<i>Guilford Int.</i>	SAB	1:47P	1:44P	2:22P	2:52P	2:44P
Old Saybrook	...	1:56P	1:54P	2:34P	S 3:06P	2:54P
<i>View Int.</i>	...	1:58P	1:55P	2:35P	3:08P	2:55P
<i>Conn Moveble Br.</i>	...	1:59P	1:56P	2:36P	3:09P	2:55P
<i>Crescent Int.</i>	...	2:04P	2:01P	2:43P	3:15P	3:01P
<i>Nan Mvble Br.</i>	...	2:05P	2:03P	2:45P	3:17P	3:02P
<i>Shaw's Cove Moveble Br.</i>	...	2:11P	2:08P	2:50P	3:23P	3:07P
New London	...	2:11P	2:09P	S* 2:53P	S 3:26P	3:08P
<i>Groton Int.</i>	...	2:13P	2:11P	2:55P	3:29P	3:10P
<i>Mystic Moveable Br.</i>	...	2:20P	2:17P	3:03P	3:36P	3:16P
Mystic	...	2:22P	2:18P	3:03P	S* 3:38P	3:18P
Westerly	...	2:27P	2:24P	3:10P	3:47P	3:24P
<i>High St. Int.</i>	...	2:29P	2:26P	3:11P	3:48P	3:26P
Kingston	...	2:38P	2:35P	S* 3:24P	S 4:01P	3:35P
<i>Davisville Int.</i>	...	2:42P	2:40P	3:31P	4:08P	3:39P
<i>Cranston Int.</i>	...	2:48P	2:49P	3:38P	4:15P	3:45P
<i>Atwells Int.</i>	...	2:51P	2:53P	3:41P	4:18P	3:48P
Providence	...	L 2:55P	L 2:57P	S* 3:45P	S* 4:24P	L 3:51P
<i>Orms Int.</i>	...	2:56P	2:58P	3:47P	4:25P	3:57P
<i>Lawn Int.</i>	...	3:02P	3:05P	3:54P	4:32P	4:01P
<i>Hebronville Int.</i>	...	3:10P	3:13P	4:02P	4:40P	4:09P
<i>Holden Int.</i>	...	3:13P	3:16P	4:05P	4:44P	4:14P
<i>Mansfield Int.</i>	...	3:15P	3:19P	4:07P	4:47P	4:16P
<i>(Canton) Junction Int.</i>	...	3:19P	3:26P	4:14P	4:53P	4:22P
Route 128	...	D 3:25P	D 3:33P	D 4:17P	D 4:58P	D 4:26P
<i>Transfer Int.</i>	...	3:26P	3:34P	4:20P	5:00P	4:27P
Back Bay	...	D 3:35P	D 3:43P	D 4:29P	D 5:10P	D 4:36P
<i>Cove-Tower 1</i>	...	3:35P	3:43P	4:31P	5:11P	4:37P
Boston	...	A 3:39P	A 3:48P	A 4:36P	A 5:15P	A 4:41P

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	82 Sat	174 M-F	□ Sun	□ M-F	88 SaSu	176 M-F
New York (Penn Sta.) – Arr	S 1:46P	S 1:44P	S 1:52P	S 2:45P	S 2:46P	S 3:19P
New York (Penn Sta.) – Dep	LV 2:01P	LV 2:01P	S 2:05P	S 3:03P	LV 3:01P	LV 3:31P
<i>JO (PSE)</i>	2:02P	2:02P	2:06P	3:04P	3:02P	3:32P
<i>F</i>	2:07P	2:07P	2:10P	3:07P	3:07P	3:36P
<i>Harold Int. (LIRR)</i>	2:08P	2:08P	2:11P	3:08P	3:08P	3:37P
<i>Gate Int.</i>	2:10P	2:10P	2:12P	3:10P	3:10P	3:38P
<i>Pelham Bay</i>	2:21P	2:21P	2:23P	3:21P	3:21P	3:51P
<i>Manor Int.</i>	2:25P	2:25P	2:27P	3:25P	3:25P	3:54P
CP 216 (XSH-Shell Int-MNR)	2:26P	2:26P	2:29P	3:26P	3:26P	3:56P
New Rochelle	S 2:27P	S 2:27P	...	...	S 3:27P	S 3:57P
Stamford	S 2:48P	S 2:48P	S 2:46P	...	S 3:48P	S 4:18P
Bridgeport	S 3:12P	S 3:12P	...	...	S 4:12P	S 4:42P
New Haven - Arr	S 3:36P	S 3:36P	S 3:29P	...	S 4:36P	S 5:06P
New Haven - Dep	S 3:38P	S 3:40P	S 3:30P	4:24P	S 4:38P	S 5:10P
<i>CP 274 (Fair St-MNR Div. Post)</i>	3:39P	3:41P	3:31P	4:25P	4:39P	5:11P
<i>Mill River Jct</i>	3:40P	3:42P	3:32P	4:29P	4:40P	5:12P
<i>Branford Station (SLE)</i>	3:48P	3:50P	3:38P	4:37P	4:47P	5:19P
<i>Guilford Int.</i>	3:55P	3:58P	3:43P	4:44P	4:53P	5:27P
Old Saybrook	S 4:10P	S 4:14P	3:52P	4:56P	S 5:07P	S 5:45P
<i>View Int.</i>	4:12P	4:15P	3:53P	4:57P	5:08P	5:47P
<i>Conn Moveable Br.</i>	4:14P	4:16P	3:54P	4:59P	5:09P	5:49P
<i>Crescent Int.</i>	4:21P	4:22P	3:59P	5:06P	5:15P	5:55P
<i>Nan Mvble Br.</i>	4:22P	4:24P	4:01P	5:08P	5:17P	5:57P
<i>Shaw's Cove Moveable Br.</i>	4:31P	4:31P	4:06P	5:13P	5:24P	6:04P
New London	S 4:35P	S 4:34P	4:06P	5:14P	S 5:27P	S 6:20P
<i>Groton Int.</i>	4:47P	4:36P	4:09P	5:16P	5:29P	6:22P
<i>Mystic Moveable Br.</i>	4:54P	4:44P	4:15P	5:22P	5:37P	6:30P
Mystic	4:57P	4:44P	4:18P	5:23P	5:38P	6:31P
Westerly	5:04P	S 4:55P	4:23P	5:28P	5:45P	S 6:41P
<i>High St. Int.</i>	5:05P	4:58P	4:25P	5:30P	5:46P	6:51P
Kingston	S 5:17P	S 5:12P	4:34P	5:39P	S 5:59P	S* 7:04P
<i>Davisville Int.</i>	5:24P	5:18P	4:38P	5:43P	6:06P	7:11P
<i>Cranston Int.</i>	5:32P	5:26P	4:45P	5:50P	6:14P	7:19P
<i>Atwells Int.</i>	5:35P	5:29P	4:47P	5:53P	6:19P	7:22P
Providence	S* 5:38P	S* 5:33P	L 4:52P	L 5:58P	S* 6:25P	S* 7:26P
<i>Orms Int.</i>	5:40P	5:34P	4:53P	5:59P	6:26P	7:28P
<i>Lawn Int.</i>	5:43P	5:42P	4:55P	6:01P	6:33P	7:31P
<i>Hebronville Int.</i>	5:51P	5:50P	5:03P	6:09P	6:41P	7:39P
<i>Holden Int.</i>	5:58P	5:54P	5:10P	6:16P	6:44P	7:46P
<i>Mansfield Int.</i>	6:00P	5:58P	5:13P	6:18P	6:47P	7:48P
<i>(Canton) Junction Int.</i>	6:06P	6:04P	5:19P	6:22P	6:52P	7:54P
Route 128	D 6:10P	D 6:09P	D 5:25P	D 6:27P	D 6:58P	D 7:58P
<i>Transfer Int.</i>	6:12P	6:11P	5:27P	6:28P	7:00P	8:00P
Back Bay	D 6:19P	D 6:25P	D 5:39P	D 6:40P	D 7:10P	D 8:08P
<i>Cove-Tower 1</i>	6:20P	6:26P	5:40P	6:41P	7:11P	8:09P
Boston	A 6:25P	6:30P	A 5:44P	A 6:45P	7:15P	A 8:12P

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	☐ 2166 M-F	☐ 2254 Sun	140 SaSu	☐ 2168 M-F	☐ 448 Daily	194 SaSu
New York (Penn Sta.) – Arr	S 3:45P	S 3:52P	S 3:46P	S 4:45P	...	S 4:35P
New York (Penn Sta.) – Dep	S 4:00P	S 4:05P	LV 4:31P	S 5:00P	...	LV 5:01P
<i>JO (PSE)</i>	4:01P	4:06P	4:32P	5:01P	...	5:02P
<i>F</i>	4:04P	4:09P	4:37P	5:04P	...	5:07P
<i>Harold Int. (LIRR)</i>	4:06P	4:11P	4:38P	5:07P	...	5:09P
<i>Gate Int.</i>	4:07P	4:12P	4:40P	5:08P	...	5:11P
<i>Pelham Bay</i>	4:18P	4:23P	4:51P	5:19P	...	5:22P
<i>Manor Int.</i>	4:22P	4:27P	4:55P	5:23P	...	5:28P
<i>CP 216 (XSH-Shell Int-MNR)</i>	4:26P	4:29P	4:56P	5:25P	...	5:29P
New Rochelle	...	...	S 4:57P	...	...	...
Stamford	...	S 4:46P	S 5:18P	S 5:43P	...	S 5:48P
Bridgeport	...	...	S 5:42P	...	...	...
New Haven - Arr	S 5:24P	S 5:29P	S 6:06P	S 6:27P	...	S 6:33P
New Haven - Dep	S 5:26P	S 5:32P	S 6:21P	S 6:30P	...	S 6:38P
<i>CP 274 (Fair St-MNR Div. Post)</i>	5:27P	5:33P	6:23P	6:31P	...	6:40P
<i>Mill River Jct</i>	5:28P	5:36P	6:27P	6:32P	...	6:42P
<i>Branford Station (SLE)</i>	5:34P	5:45P	To	6:39P	...	6:51P
<i>Guilford Int.</i>	5:41P	5:53P	SPG	6:44P	...	6:58P
Old Saybrook	5:51P	6:03P	...	6:54P	...	S 7:14P
<i>View Int.</i>	5:53P	6:04P	...	6:55P	...	7:16P
<i>Conn Moveable Br.</i>	5:54P	6:05P	...	6:56P	...	7:17P
<i>Crescent Int.</i>	6:00P	6:10P	...	7:01P	...	7:25P
<i>Nan Mvble Br.</i>	6:01P	6:12P	...	7:04P	...	7:27P
<i>Shaw's Cove Moveable Br.</i>	6:07P	6:17P	...	7:10P	...	7:34P
New London	6:08P	6:18P	...	7:11P	...	S 7:36P
<i>Groton Int.</i>	6:10P	6:20P	...	7:14P	...	7:40P
<i>Mystic Moveable Br.</i>	6:16P	6:26P	...	7:22P	...	7:47P
Mystic	6:17P	6:29P	...	7:24P	...	7:48P
Westerly	6:22P	6:34P	...	7:29P	...	S 7:56P
<i>High St. Int.</i>	6:25P	6:36P	...	7:31P	...	7:58P
Kingston	6:34P	6:45P	...	7:41P	...	S 8:11P
<i>Davisville Int.</i>	6:39P	6:49P	...	7:46P	...	8:18P
<i>Cranston Int.</i>	6:48P	6:56P	...	7:53P	...	8:26P
<i>Atwells Int.</i>	6:52P	6:58P	...	7:56P	...	8:29P
Providence	L 6:56P	L 7:02P	...	L 8:00P	...	S* 8:32P
<i>Orms Int.</i>	6:57P	7:03P	...	8:01P	...	8:34P
<i>Lawn Int.</i>	6:59P	7:06P	...	8:06P	...	8:41P
<i>Hebronville Int.</i>	7:07P	7:13P	...	8:14P	...	8:48P
<i>Holden Int.</i>	7:14P	7:19P	...	8:17P	...	8:51P
<i>Mansfield Int.</i>	7:16P	7:21P	...	8:19P	From	8:54P
<i>(Canton) Junction Int.</i>	7:20P	7:26P	...	8:23P	ALB	9:00P
Route 128	D 7:24P	D 7:30P	...	D 8:27P	...	D 9:05P
<i>Transfer Int.</i>	7:25P	7:31P	...	8:29P	...	9:07P
Back Bay	D 7:35P	D 7:39P	...	D 8:39P	D 9:05P	D 9:15P
<i>Cove-Tower 1</i>	7:35P	7:40P	...	8:39P	9:07P	9:16P
Boston	A 7:39P	A 7:44P	...	A 8:43P	A 9:10P	A 9:20P

NEW YORK - NEW HAVEN - BOSTON

	94	□	□	148	□	168
	M-F	M-F	Sun	M-F	M-F	Sat
New York (Penn Sta.) – Arr	S 5:21P	S 5:45P	S 5:52P	S 6:31P	S 6:45P	S 6:46P
New York (Penn Sta.) – Dep	LV 5:43P	S 6:00P	S 6:05P	LV 6:44P	S 7:00P	LV 7:01P
<i>JO (PSE)</i>	<i>5:44P</i>	<i>6:01P</i>	<i>6:06P</i>	<i>6:45P</i>	<i>7:01P</i>	<i>7:02P</i>
<i>F</i>	<i>5:49P</i>	<i>6:05P</i>	<i>6:09P</i>	<i>6:50P</i>	<i>7:06P</i>	<i>7:07P</i>
<i>Harold Int. (LIRR)</i>	<i>5:50P</i>	<i>6:07P</i>	<i>6:11P</i>	<i>6:51P</i>	<i>7:08P</i>	<i>7:08P</i>
<i>Gate Int.</i>	<i>5:52P</i>	<i>6:08P</i>	<i>6:13P</i>	<i>6:53P</i>	<i>7:10P</i>	<i>7:10P</i>
<i>Pelham Bay</i>	<i>6:01P</i>	<i>6:19P</i>	<i>6:23P</i>	<i>7:04P</i>	<i>7:23P</i>	<i>7:21P</i>
<i>Manor Int.</i>	<i>6:05P</i>	<i>6:26P</i>	<i>6:28P</i>	<i>7:08P</i>	<i>7:26P</i>	<i>7:25P</i>
CP 216 (XSH-Shell Int-MNR)	<i>6:06P</i>	<i>6:29P</i>	<i>6:29P</i>	<i>7:09P</i>	<i>7:27P</i>	<i>7:26P</i>
New Rochelle	...	...	...	S 7:10P	...	S 7:27P
Stamford	S 6:24P	S 6:47P	S 6:46P	S 7:30P	S 7:44P	S 7:48P
Bridgeport	...	...	...	S 7:54P	...	S 8:12P
New Haven - Arr	S 7:10P	...	S 7:29P	S 8:19P	S 8:27P	S 8:36P
New Haven - Dep	S 7:12P	<i>7:30P</i>	S 7:31P	S 8:35P	S 8:29P	S 8:38P
<i>CP 274 (Fair St-MNR Div. Post)</i>	<i>7:13P</i>	<i>7:31P</i>	<i>7:34P</i>	<i>8:36P</i>	<i>8:30P</i>	<i>8:39P</i>
<i>Mill River Jct</i>	<i>7:14P</i>	<i>7:32P</i>	<i>7:36P</i>	<i>8:38P</i>	<i>8:31P</i>	<i>8:40P</i>
<i>Branford Station (SLE)</i>	<i>7:21P</i>	<i>7:39P</i>	<i>7:43P</i>	To	<i>8:38P</i>	<i>8:48P</i>
<i>Guilford Int.</i>	<i>7:27P</i>	<i>7:44P</i>	<i>7:48P</i>	SPG	<i>8:43P</i>	<i>8:54P</i>
Old Saybrook	S 7:40P	<i>7:56P</i>	<i>7:58P</i>	...	<i>8:52P</i>	S 9:09P
<i>View Int.</i>	<i>7:42P</i>	<i>7:56P</i>	<i>7:59P</i>	...	<i>8:53P</i>	<i>9:10P</i>
<i>Conn Moveable Br.</i>	<i>7:43P</i>	<i>7:57P</i>	<i>8:00P</i>	...	<i>8:54P</i>	<i>9:11P</i>
<i>Crescent Int.</i>	<i>7:49P</i>	<i>8:02P</i>	<i>8:05P</i>	...	<i>8:59P</i>	<i>9:17P</i>
<i>Nan Mvble Br.</i>	<i>7:50P</i>	<i>8:04P</i>	<i>8:06P</i>	...	<i>9:00P</i>	<i>9:19P</i>
<i>Shaw's Cove Moveable Br.</i>	<i>7:57P</i>	<i>8:09P</i>	<i>8:12P</i>	...	<i>9:05P</i>	<i>9:26P</i>
New London	S 7:59P	<i>8:10P</i>	<i>8:13P</i>	...	L 9:08P	S 9:29P
<i>Groton Int.</i>	<i>8:02P</i>	<i>8:12P</i>	<i>8:15P</i>	...	<i>9:11P</i>	<i>9:31P</i>
<i>Mystic Moveable Br.</i>	<i>8:09P</i>	<i>8:18P</i>	<i>8:21P</i>	...	<i>9:17P</i>	<i>9:39P</i>
Mystic	<i>8:10P</i>	<i>8:19P</i>	<i>8:24P</i>	...	<i>9:19P</i>	S* 9:42P
Westerly	<i>8:18P</i>	<i>8:24P</i>	<i>8:29P</i>	...	<i>9:25P</i>	S* 9:53P
<i>High St. Int.</i>	<i>8:18P</i>	<i>8:26P</i>	<i>8:31P</i>	...	<i>9:27P</i>	<i>9:55P</i>
Kingston	S 8:40P	<i>8:36P</i>	<i>8:40P</i>	...	<i>9:36P</i>	S* 10:09P
<i>Davisville Int.</i>	<i>8:46P</i>	<i>8:41P</i>	<i>8:44P</i>	...	<i>9:40P</i>	<i>10:15P</i>
<i>Cranston Int.</i>	<i>8:54P</i>	<i>8:48P</i>	<i>8:50P</i>	...	<i>9:46P</i>	<i>10:23P</i>
<i>Atwells Int.</i>	<i>8:57P</i>	<i>8:51P</i>	<i>8:53P</i>	...	<i>9:49P</i>	<i>10:27P</i>
Providence	S* 9:02P	L 8:55P	L 8:57P	...	L 9:53P	S* 10:32P
<i>Orms Int.</i>	<i>9:03P</i>	<i>8:56P</i>	<i>8:59P</i>	...	<i>9:54P</i>	<i>10:33P</i>
<i>Lawn Int.</i>	<i>9:06P</i>	<i>8:58P</i>	<i>9:03P</i>	...	<i>9:56P</i>	<i>10:40P</i>
<i>Hebronville Int.</i>	<i>9:14P</i>	<i>9:06P</i>	<i>9:11P</i>	...	<i>10:03P</i>	<i>10:48P</i>
<i>Holden Int.</i>	<i>9:21P</i>	<i>9:13P</i>	<i>9:14P</i>	...	<i>10:09P</i>	<i>10:51P</i>
<i>Mansfield Int.</i>	<i>9:24P</i>	<i>9:15P</i>	<i>9:16P</i>	...	<i>10:11P</i>	<i>10:54P</i>
<i>(Canton) Junction Int.</i>	<i>9:30P</i>	<i>9:19P</i>	<i>9:23P</i>	...	<i>10:17P</i>	<i>10:59P</i>
Route 128	D 9:35P	D 9:24P	D 9:27P	...	D 10:22P	D 11:04P
<i>Transfer Int.</i>	<i>9:37P</i>	<i>9:25P</i>	<i>9:28P</i>	...	<i>10:23P</i>	<i>11:06P</i>
Back Bay	D 9:47P	D 9:35P	D 9:38P	...	D 10:34P	D 11:18P
<i>Cove-Tower 1</i>	<i>9:48P</i>	<i>9:35P</i>	<i>9:39P</i>	...	<i>10:35P</i>	<i>11:19P</i>
Boston	A 9:52P	A 9:40P	A 9:43P	...	A 10:40P	A 11:23P

NEW YORK - NEW HAVEN - BOSTON

	☐ 2258 Sun	132 Sun	178 M-F	146 Sat	136 Fri	166 Sun
New York (Penn Sta.) – Arr	S 6:52P	S 6:46P	S 7:20P	S 7:46P	S 8:39P	S 8:47P
New York (Penn Sta.) – Dep	S 7:05P	LV 7:31P	LV 7:46P	LV 8:01P	LV 8:58P	LV 9:01P
<i>JO (PSE)</i>	<i>7:06P</i>	<i>7:32P</i>	<i>7:47P</i>	<i>8:02P</i>	<i>8:59P</i>	<i>9:02P</i>
<i>F</i>	<i>7:09P</i>	<i>7:37P</i>	<i>7:52P</i>	<i>8:07P</i>	<i>9:03P</i>	<i>9:07P</i>
<i>Harold Int. (LIRR)</i>	<i>7:11P</i>	<i>7:38P</i>	<i>7:53P</i>	<i>8:08P</i>	<i>9:04P</i>	<i>9:08P</i>
<i>Gate Int.</i>	<i>7:13P</i>	<i>7:40P</i>	<i>8:01P</i>	<i>8:10P</i>	<i>9:05P</i>	<i>9:10P</i>
<i>Pelham Bay</i>	<i>7:23P</i>	<i>7:51P</i>	<i>8:13P</i>	<i>8:21P</i>	<i>9:19P</i>	<i>9:21P</i>
<i>Manor Int.</i>	<i>7:27P</i>	<i>7:55P</i>	<i>8:18P</i>	<i>8:25P</i>	<i>9:22P</i>	<i>9:25P</i>
<i>CP 216 (XSH-Shell Int-MNR)</i>	<i>7:29P</i>	<i>7:56P</i>	<i>8:19P</i>	<i>8:26P</i>	<i>9:24P</i>	<i>9:26P</i>
New Rochelle	...	S 7:57P	S 8:20P	S 8:27P	S 9:25P	S 9:27P
Stamford	S 7:46P	S 8:18P	S 8:41P	S 8:48P	S 9:46P	S 9:48P
Bridgeport	...	S 8:42P	S 9:07P	...	S 10:10P	...
New Haven - Arr	S 8:29P	S 9:06P	S 9:31P	S 9:33P	S 10:34P	S 10:33P
New Haven - Dep	S 8:31P	S 9:08P	S 9:33P	S 9:50P	S 10:50P	S 10:35P
<i>CP 274 (Fair St-MNR Div. Post)</i>	<i>8:33P</i>	<i>9:09P</i>	<i>9:34P</i>	<i>9:51P</i>	<i>10:51P</i>	<i>10:36P</i>
<i>Mill River Jct</i>	<i>8:34P</i>	<i>9:11P</i>	<i>9:36P</i>	<i>9:53P</i>	<i>10:53P</i>	<i>10:37P</i>
<i>Branford Station (SLE)</i>	<i>8:42P</i>	<i>9:18P</i>	<i>9:43P</i>	To	To	<i>10:44P</i>
<i>Guilford Int.</i>	<i>8:48P</i>	<i>9:24P</i>	<i>9:49P</i>	SPG	SPG	<i>10:50P</i>
Old Saybrook	<i>8:57P</i>	S 9:39P	S 10:05P	...	...	S 11:04P
<i>View Int.</i>	<i>8:57P</i>	<i>9:40P</i>	<i>10:06P</i>	...	...	<i>11:06P</i>
<i>Conn Moveable Br.</i>	<i>8:58P</i>	<i>9:41P</i>	<i>10:07P</i>	...	...	<i>11:07P</i>
<i>Crescent Int.</i>	<i>9:04P</i>	<i>9:47P</i>	<i>10:14P</i>	...	...	<i>11:13P</i>
<i>Nan Mvble Br.</i>	<i>9:05P</i>	<i>9:49P</i>	<i>10:16P</i>	...	...	<i>11:14P</i>
<i>Shaw's Cove Moveable Br.</i>	<i>9:10P</i>	<i>9:57P</i>	<i>10:24P</i>	...	...	<i>11:22P</i>
New London	<i>9:11P</i>	S 10:00P	S 10:27P	...	...	S 11:25P
<i>Groton Int.</i>	<i>9:13P</i>	<i>10:02P</i>	<i>10:29P</i>	...	...	<i>11:29P</i>
<i>Mystic Moveable Br.</i>	<i>9:19P</i>	<i>10:10P</i>	<i>10:37P</i>	...	...	<i>11:36P</i>
Mystic	<i>9:22P</i>	S 10:12P	S 10:40P	...	...	<i>11:37P</i>
Westerly	<i>9:28P</i>	S 10:22P	S 10:52P	...	...	<i>11:44P</i>
<i>High St. Int.</i>	<i>9:30P</i>	<i>10:24P</i>	<i>11:03P</i>	...	...	<i>11:44P</i>
Kingston	<i>9:39P</i>	S 10:38P	S 11:17P	...	...	S 11:57P
<i>Davisville Int.</i>	<i>9:43P</i>	<i>10:45P</i>	<i>11:23P</i>	...	...	<i>12:04A</i>
<i>Cranston Int.</i>	<i>9:49P</i>	<i>10:54P</i>	<i>11:31P</i>	...	...	<i>12:12A</i>
<i>Atwells Int.</i>	<i>9:52P</i>	<i>10:57P</i>	<i>11:34P</i>	...	...	<i>12:15A</i>
Providence	L 9:56P	S* 11:01P	S* 11:39P	...	...	S* 12:18A
<i>Orms Int.</i>	<i>9:57P</i>	<i>11:02P</i>	<i>11:40P</i>	...	...	<i>12:20A</i>
<i>Lawn Int.</i>	<i>9:59P</i>	<i>11:09P</i>	<i>11:47P</i>	...	...	<i>12:26A</i>
<i>Hebronville Int.</i>	<i>10:07P</i>	<i>11:17P</i>	<i>11:55P</i>	...	...	<i>12:35A</i>
<i>Holden Int.</i>	<i>10:14P</i>	<i>11:20P</i>	<i>11:58P</i>	...	...	<i>12:38A</i>
<i>Mansfield Int.</i>	<i>10:18P</i>	<i>11:23P</i>	<i>12:01A</i>	...	...	<i>12:40A</i>
<i>(Canton) Junction Int.</i>	<i>10:24P</i>	<i>11:29P</i>	<i>12:06A</i>	...	...	<i>12:46A</i>
Route 128	D 10:31P	D 11:35P	D 12:11A	...	...	D 12:49A
<i>Transfer Int.</i>	<i>10:32P</i>	<i>11:37P</i>	<i>12:13A</i>	...	...	<i>12:51A</i>
Back Bay	D 10:42P	D 11:48P	D 12:21A	...	...	D 12:59A
<i>Cove-Tower 1</i>	<i>10:43P</i>	<i>11:49P</i>	<i>12:22A</i>	...	...	<i>1:01A</i>
Boston	A 10:48P	A 11:53P	A 12:25A	...	...	A 1:05A

SPRINGFIELD - NEW HAVEN

	141 M-F	143 SaSu	495 M-F	405 SaSu	147 Sat	145 Sun
Springfield -- Arr						
Springfield -- Dep	S 5:55A	S 6:30A	S 7:10A	S 7:30A	S 8:00A	S 9:05A
<i>Spring</i>	5:56A	6:31A	7:11A	7:31A	8:01A	9:06A
<i>Field, CT</i>	6:06A	6:41A	7:20A	7:40A	8:13A	9:18A
Windsor Locks	S 6:15A	S 6:50A	S 7:28A	S 7:48A	8:22A	9:26A
<i>Hayden</i>	6:16A	6:51A	7:29A	7:49A	8:23A	9:27A
Windsor	S 6:20A	S 6:56A	S 7:33A	S 7:53A	8:27A	9:31A
<i>Fry</i>	6:25A	7:01A	7:37A	7:57A	8:31A	9:34A
<i>Hart</i>	6:26A	7:03A	7:39A	7:59A	8:33A	9:36A
Hartford	S 6:35A	S 7:08A	S 7:45A	S 8:05A	S 8:37A	S 9:40A
<i>Wood Int, CT</i>	6:42A	7:14A	7:51A	8:09A	8:43A	9:46A
<i>New</i>	6:44A	7:16A	7:53A	8:11A	8:45A	9:48A
Berlin	S 6:49A	L 7:21A	S 7:58A	S 8:16A	S 8:50A	S 9:53A
<i>Quarry Int, CT</i>	6:55A	7:27A	8:04A	8:22A	8:57A	9:58A
Meriden	S 6:59A	L 7:31A	S 8:08A	S 8:26A	S 9:01A	S 10:02A
<i>Holt</i>	7:02A	7:34A	8:11A	8:29A	9:04A	10:05A
Wallingford	S 7:07A	L 7:39A	S 8:15A	S 8:33A	S 9:09A	S 10:10A
<i>Cedar</i>	7:13A	7:45A	8:21A	8:38A	9:15A	10:16A
<i>Mill River Jct</i>	7:19A	7:49A	8:28A	8:47A	9:23A	10:22A
<i>CP 274 (Fair St-MNR Div. Post)</i>	7:26A	7:58A	8:33A	8:53A	9:28A	10:28A
New Haven -- Arr	S 7:28A	S 8:00A	A 8:35A	A 8:55A	S 9:30A	S 10:30A
New Haven -- Dep	S 7:38A	S 8:11A			S 9:41A	S 10:41A

	493 M-F	401 SaSu	463 SaSu	57 SaSu	55 M-F	475 M-F
Springfield -- Arr				S 2:40P	S 2:40P	
Springfield -- Dep	S 10:30A	S 10:40A	S 12:40P	S 2:50P	S 2:50P	S 4:05P
<i>Spring</i>	10:31A	10:41A	12:41P	2:53P	2:53P	4:06P
<i>Field, CT</i>	10:40A	10:49A	12:50P	3:03P	3:03P	4:15P
Windsor Locks	S 10:48A	S 10:58A	S 12:58P	S 3:12P	S 3:12P	S 4:23P
<i>Hayden</i>	10:49A	10:59A	12:59P	3:13P	3:14P	4:24P
Windsor	S 10:53A	S 11:03A	S 1:03P	3:17P	3:18P	S 4:28P
<i>Fry</i>	10:57A	11:07A	1:07P	3:20P	3:25P	4:33P
<i>Hart</i>	10:58A	11:08A	1:10P	3:22P	3:27P	4:34P
Hartford	S 11:03A	S 11:14A	S 1:16P	S 3:26P	S 3:32P	S 4:42P
<i>Wood Int, CT</i>	11:08A	11:19A	1:21P	3:32P	3:38P	4:47P
<i>New</i>	11:09A	11:21A	1:23P	3:35P	3:40P	4:49P
Berlin	S 11:14A	S 11:25A	S 1:28P	S 3:40P	S 3:45P	S 4:54P
<i>Quarry Int, CT</i>	11:18A	11:30A	1:32P	3:48P	3:52P	5:00P
Meriden	S 11:22A	S 11:34A	S 1:36P	S 3:53P	S 3:56P	S 5:04P
<i>Holt</i>	11:25A	11:38A	1:44P	3:58P	4:00P	5:07P
Wallingford	S 11:29A	S 11:42A	1:47P	S 4:03P	S 4:05P	S 5:11P
<i>Cedar</i>	11:36A	11:47A	1:51P	4:11P	4:11P	5:18P
<i>Mill River Jct</i>	11:42A	11:53A	1:56P	4:20P	4:20P	5:24P
<i>CP 274 (Fair St-MNR Div. Post)</i>	11:48A	11:58A	2:01P	4:28P	4:28P	5:33P
New Haven -- Arr	A 11:50A	A 12:00P	A 2:05P	S 4:30P	S 4:30P	A 5:35P
New Haven -- Dep				S 4:41P	S 4:41P	

SPRINGFIELD - NEW HAVEN

	465 Sun	467 Sat	479 M-F	497 Sun		
Springfield -- Arr						
Springfield -- Dep	S 4:10P	S 5:25P	S 7:25P	S 7:40P		
<i>Spring</i>	4:11P	5:26P	7:26P	7:41P		
<i>Field, CT</i>	4:20P	5:35P	7:35P	7:50P		
Windsor Locks	S 4:29P	S 5:44P	S 7:43P	S 7:58P		
<i>Hayden</i>	4:30P	5:45P	7:44P	7:59P		
Windsor	S 4:35P	S 5:50P	S 7:48P	S 8:04P		
<i>Fry</i>	4:39P	5:56P	7:53P	8:08P		
<i>Hart</i>	4:41P	5:58P	7:54P	8:09P		
Hartford	S 4:47P	S 6:04P	S 8:01P	L 8:15P		
<i>Wood Int, CT</i>	4:52P	6:08P	8:06P	8:20P		
<i>New</i>	4:54P	6:10P	8:08P	8:21P		
Berlin	S 4:59P	S 6:14P	S 8:13P	L 8:26P		
<i>Quarry Int, CT</i>	5:03P	6:20P	8:18P	8:30P		
Meriden	L 5:06P	L 6:24P	S 8:22P	L 8:34P		
<i>Holt</i>	5:09P	6:27P	8:27P	8:37P		
Wallingford	L 5:13P	L 6:31P	S 8:31P	L 8:41P		
<i>Cedar</i>	5:18P	6:37P	8:36P	8:46P		
<i>Mill River Jct</i>	5:23P	6:46P	8:43P	8:50P		
<i>CP 274 (Fair St-MNR Div. Post)</i>	5:28P	6:55P	8:48P	8:58P		
New Haven -- Arr	A 5:31P	A 7:00P	A 8:50P	A 9:00P		
New Haven -- Dep						

NEW HAVEN - SPRINGFIELD

	450 SaSu	490 M-F	470 M-F	460 SaSu	54 SaSu	56 M-F
New Haven -- Arr					S 1:06P	S 1:06P
New Haven -- Dep	S 8:37A	S 8:38A	S 10:30A	S 10:43A	S 1:20P	S 1:22P
<i>CP 274 (Fair St-MNR Div. Post)</i>	8:38A	8:39A	10:31A	10:44A	1:21P	1:23P
<i>Mill River Jct</i>	8:40A	8:41A	10:33A	10:46A	1:23P	1:25P
<i>Cedar</i>	8:46A	8:48A	10:38A	10:51A	1:29P	1:31P
Wallingford	S 8:51A	S 8:53A	S 10:43A	S 10:56A	S 1:35P	S 1:37P
<i>Holt</i>	8:55A	8:57A	10:47A	11:00A	1:40P	1:42P
Meriden	S 8:59A	S 9:03A	S 10:50A	S 11:05A	S 1:44P	S 1:46P
<i>Quarry Int, CT</i>	9:03A	9:07A	10:54A	11:09A	1:48P	1:50P
Berlin	S 9:08A	S 9:14A	S 10:59A	S 11:14A	S 1:54P	S 1:56P
<i>New</i>	9:12A	9:18A	11:05A	11:19A	1:59P	2:01P
<i>Wood Int, CT</i>	9:14A	9:20A	11:08A	11:21A	2:01P	2:03P
Hartford	S 9:20A	S 9:27A	S 11:14A	S 11:27A	S 2:08P	S 2:10P
<i>Hart</i>	9:22A	9:29A	11:16A	11:29A	2:10P	2:12P
<i>Fry</i>	9:24A	9:33A	11:18A	11:31A	2:12P	2:14P
Windsor	L 9:28A	L 9:38A	L 11:22A	L 11:35A	2:16P	2:18P
<i>Hayden</i>	9:32A	9:42A	11:27A	11:38A	2:22P	2:24P
Windsor Locks	L 9:34A	L 9:44A	L 11:29A	L 11:40A	S 2:24P	S 2:26P
<i>Field, CT</i>	9:44A	9:53A	11:39A	11:49A	2:36P	2:38P
<i>Spring</i>	9:58A	10:08A	11:50A	12:03P	2:53P	2:55P
Springfield -- Arr	A 10:00A	A 10:10A	A 11:53A	A 12:05P	S 2:58P	S 3:00P
Springfield -- Dep					S 3:15P	S 3:15P

	464 SaSu	488 SaSu	476 M-F	140 SaSu	494 M-F	148 M-F
New Haven -- Arr				S 6:06P		S 8:19P
New Haven -- Dep	S 2:50P	S 4:50P	S 5:20P	S 6:21P	S 7:30P	S 8:35P
<i>CP 274 (Fair St-MNR Div. Post)</i>	2:51P	4:51P	5:21P	6:23P	7:31P	8:36P
<i>Mill River Jct</i>	2:53P	4:53P	5:23P	6:27P	7:34P	8:38P
<i>Cedar</i>	2:58P	4:58P	5:28P	6:37P	7:39P	8:44P
Wallingford	S 3:03P	S 5:03P	S 5:35P	S 6:43P	S 7:44P	S 8:49P
<i>Holt</i>	3:07P	5:07P	5:39P	6:49P	7:48P	8:54P
Meriden	S 3:12P	S 5:10P	S 5:43P	S 6:53P	S 7:52P	S 8:57P
<i>Quarry Int, CT</i>	3:19P	5:14P	5:47P	6:57P	7:56P	9:02P
Berlin	S 3:24P	S 5:21P	S 5:55P	S 7:03P	S 8:02P	S 9:07P
<i>New</i>	3:28P	5:25P	6:01P	7:09P	8:06P	9:12P
<i>Wood Int, CT</i>	3:34P	5:28P	6:03P	7:11P	8:09P	9:14P
Hartford	S 3:41P	S 5:36P	S 6:10P	S 7:19P	S 8:16P	S 9:21P
<i>Hart</i>	3:43P	5:38P	6:12P	7:21P	8:18P	9:23P
<i>Fry</i>	3:45P	5:40P	6:15P	7:23P	8:21P	9:26P
Windsor	L 3:49P	L 5:44P	L 6:20P	L 7:28P	L 8:25P	L 9:31P
<i>Hayden</i>	3:53P	5:49P	6:24P	7:32P	8:29P	9:36P
Windsor Locks	L 3:55P	L 5:51P	L 6:26P	L 7:34P	L 8:30P	L 9:39P
<i>Field, CT</i>	4:04P	5:59P	6:35P	7:43P	8:39P	9:49P
<i>Spring</i>	4:14P	6:13P	6:48P	7:58P	8:53P	10:09P
Springfield -- Arr	A 4:16P	A 6:15P	A 6:50P	A 8:00P	A 8:55P	A 10:10P
Springfield -- Dep						

NEW HAVEN - SPRINGFIELD

	432 Sun	146 Sat	136 Fri			
New Haven -- Arr		S 9:33P	S 10:34P			
New Haven -- Dep	S 9:20P	S 9:50P	S 10:50P			
<i>CP 274 (Fair St-MNR Div. Post)</i>	<i>9:21P</i>	<i>9:51P</i>	<i>10:51P</i>			
<i>Mill River Jct</i>	<i>9:23P</i>	<i>9:53P</i>	<i>10:53P</i>			
<i>Cedar</i>	<i>9:28P</i>	<i>9:59P</i>	<i>10:59P</i>			
Wallingford	S 9:34P	S 10:04P	S 11:04P			
<i>Holt</i>	<i>9:38P</i>	<i>10:09P</i>	<i>11:09P</i>			
Meriden	S 9:44P	S 10:14P	S 11:14P			
<i>Quarry Int, CT</i>	<i>9:48P</i>	<i>10:19P</i>	<i>11:19P</i>			
Berlin	S 9:56P	S 10:24P	S 11:24P			
<i>New</i>	<i>10:00P</i>	<i>10:29P</i>	<i>11:29P</i>			
<i>Wood Int, CT</i>	<i>10:02P</i>	<i>10:31P</i>	<i>11:31P</i>			
Hartford	S 10:10P	S 10:38P	S 11:38P			
<i>Hart</i>	<i>10:12P</i>	<i>10:40P</i>	<i>11:40P</i>			
<i>Fry</i>	<i>10:14P</i>	<i>10:42P</i>	<i>11:42P</i>			
Windsor	L 10:19P	L 10:46P	L 11:46P			
<i>Hayden</i>	<i>10:23P</i>	<i>10:50P</i>	<i>11:50P</i>			
Windsor Locks	L 10:25P	L 10:51P	L 11:52P			
<i>Field, CT</i>	<i>10:34P</i>	<i>11:01P</i>	<i>12:02A</i>			
<i>Spring</i>	<i>10:48P</i>	<i>11:16P</i>	<i>12:11A</i>			
Springfield -- Arr	A 10:50P	A 11:18P	A 12:20A			
Springfield -- Dep						

NEW YORK - HOFFMANS

	1297	63	69	281	233	283
	Mon	Daily	Daily	Daily	Daily	Daily
New York	N 12:45A	LV 7:16A	LV 8:21A	LV 10:21A	LV 11:21A	LV 1:21P
<i>A</i>	12:46A	7:17A	8:22A	10:22A	11:22A	1:22P
<i>Empire</i>	12:49A	7:20A	8:25A	10:25A	11:25A	1:25P
<i>Inwood</i>	1:00A	7:31A	8:36A	10:36A	11:36A	1:36P
<i>CP 12 (MNR)</i>	1:05A	7:34A	8:39A	10:39A	11:39A	1:39P
Yonkers	...	S 7:39A	S 8:44A	10:43A	S 11:44A	S 1:44P
Croton-Harmon	...	S 7:58A	S 9:03A	S 11:01A	S 12:04P	S 2:03P
Poughkeepsie, NY	...	S 8:38A	S 9:43A	S 11:41A	S 12:43P	S 2:43P
<i>CP 75 (MNR)</i>	2:07A	8:43A	9:48A	11:46A	12:48P	2:48P
Rhinecliff, NY	...	S 8:52A	S 9:57A	S 11:55A	S 12:57P	S 2:57P
<i>CP 89</i>	2:16A	8:53A	9:58A	11:56A	12:58P	2:58P
<i>CP 94</i>	2:20A	8:57A	10:02A	12:00P	1:02P	3:02P
<i>CP 103</i>	2:26A	9:03A	10:08A	12:06P	1:08P	3:08P
<i>CP 114</i>	2:33A	9:10A	10:17A	12:13P	1:17P	3:15P
Hudson, NY	...	S 9:15A	S 10:20A	S 12:17P	S 1:20P	S 3:17P
<i>CP 124</i>	2:40A	9:23A	10:29A	12:26P	1:29P	3:25P
<i>CP 141</i>	2:52A	9:39A	10:47A	12:41P	1:42P	3:41P
>> <i>CP 187 (POST RD) (CSX)</i>	...	...	...	...	...	...
<i>CP 142</i>	2:53A	9:43A	10:48A	12:48P	1:48P	3:42P
Albany/Rensselaer, NY	A 2:55A	S 9:45A	S 10:50A	S 12:50P	A 1:50P	S 3:44P
	...	S 10:03A	S 11:05A	S 1:00P	...	S 3:55P
<i>CP 143</i>	...	10:03A	11:05A	1:00P	...	3:55P
<i>CP LAB</i>	...	10:07A	11:09A	1:04P	...	3:59P
<i>CP 146</i>	...	10:12A	11:14A	1:09P	...	4:04P
<i>CP 156</i>	...	10:19A	11:21A	1:15P	...	4:10P
Schenectady	...	S 10:26A	S 11:29A	S 1:22P	...	S 4:17P
<i>CP 160 (CP Rail)</i>	...	10:27A	11:30A	1:23P	...	4:18P
CP 169 (Hoffmans) (CSX)	...	10:34A	...	1:30P	...	4:26P

NEW YORK - HOFFMANS

	235	449	255	291	49	237
	M-F	Daily	Fri	DeFr	Daily	M-F
New York	LV 2:21P	...	LV 3:16P	LV 3:16P	LV 3:41P	LV 4:41P
<i>A</i>	2:22P	...	3:17P	3:17P	3:42P	4:42P
<i>Empire</i>	2:25P	...	3:20P	3:20P	3:46P	4:45P
<i>Inwood</i>	2:36P	...	3:31P	3:31P	3:57P	4:56P
<i>CP 12 (MNR)</i>	2:39P	...	3:34P	3:34P	4:01P	4:59P
Yonkers	S 2:44P	...	S 3:39P	S 3:39P	...	...
Croton-Harmon	S 3:03P	...	S 3:58P	S 3:58P	R 4:26P	...
Poughkeepsie, NY	S 3:43P	...	S 4:38P	S 4:38P	R 5:08P	...
<i>CP 75 [MNR]</i>	3:48P	...	4:43P	4:43P	5:13P	6:01P
Rhinecliff, NY	S 3:57P	...	S 4:52P	S 4:52P	...	L 6:10P
<i>CP 89</i>	3:58P	...	4:53P	4:53P	5:23P	6:11P
<i>CP 94</i>	4:02P	...	4:58P	4:57P	5:27P	6:15P
<i>CP 103</i>	4:08P	...	5:04P	5:05P	5:35P	6:21P
<i>CP 114</i>	4:17P	...	5:12P	5:12P	5:43P	6:30P
Hudson, NY	S 4:20P	From	S 5:15P	S 5:15P	...	L 6:33P
<i>CP 124</i>	4:29P	Boston	5:24P	5:24P	5:53P	6:41P
<i>CP 141</i>	4:47P	...	5:42P	5:42P	6:16P	6:57P
>> <i>CP 187 (POST RD) (CSX)</i>	...	5:13P	...	...	...	...
<i>CP 142</i>	4:48P	5:33P	5:43P	5:43P	6:17P	6:58P
Albany/Rensselaer, NY	A 4:50P	A 5:35P	A 5:45P	S 5:45P	R 6:20P	A 7:00P
	...		...	S 6:00P	R 7:05P	...
<i>CP 143</i>	...	RM 5:48P	...	6:00P	7:05P	...
<i>CP LAB</i>	...	...	...	6:04P	7:09P	...
<i>CP 146</i>	...	Combine	...	6:09P	7:15P	...
<i>CP 156</i>	...	With 49	...	6:16P	7:22P	...
Schenectady	...	...	...	S 6:24P	S 7:31P	...
<i>CP 160 (CP Rail)</i>	...	...	...	6:25P	7:31P	...
CP 169 (Hoffmans) (CSX)	...	...	...	...	7:41P	...

NEW YORK - HOFFMANS

	253	239	293	241	243	259
	SaSu	Mo-Th	Fri	Daily	M-F	SaSu
New York	LV 5:16P	LV 5:48P	LV 5:48P	LV 7:16P	LV 8:51P	LV 9:16P
<i>A</i>	5:17P	5:49P	5:49P	7:17P	8:52P	9:17P
<i>Empire</i>	5:20P	5:53P	5:53P	7:20P	8:55P	9:20P
<i>Inwood</i>	5:31P	6:06P	6:06P	7:31P	9:06P	9:31P
<i>CP 12 (MNR)</i>	5:34P	6:09P	6:09P	7:34P	9:09P	9:34P
Yonkers	S 5:39P	6:12P	6:12P	S 7:39P	S 9:14P	S 9:39P
Croton-Harmon	S 5:58P	S 6:30P	S 6:30P	S 7:58P	S 9:33P	S 9:58P
Poughkeepsie, NY	S 6:37P	S 7:13P	S 7:13P	S 8:37P	S 10:13P	S 10:38P
<i>CP 75 (MNR)</i>	6:43P	7:18P	7:18P	8:43P	10:18P	10:43P
Rhinecliff, NY	S 6:52P	L 7:27P	L 7:27P	L 8:52P	L 10:27P	L 10:52P
<i>CP 89</i>	6:53P	7:28P	7:28P	8:54P	10:28P	10:53P
<i>CP 94</i>	6:57P	7:31P	7:31P	8:57P	10:32P	10:57P
<i>CP 103</i>	7:03P	7:38P	7:38P	9:04P	10:38P	11:03P
<i>CP 114</i>	7:12P	7:45P	7:45P	9:13P	10:47P	11:12P
Hudson, NY	S 7:15P	L 7:48P	L 7:48P	L 9:15P	L 10:50P	L 11:15P
<i>CP 124</i>	7:23P	7:58P	7:58P	9:24P	10:59P	11:24P
<i>CP 141</i>	7:42P	8:08P	8:08P	9:39P	11:17P	11:42P
>> <i>CP 187 (POST RD) (CSX)</i>	...	...	...	...	...	...
<i>CP 142</i>	7:43P	8:09P	8:09P	9:43P	11:18P	11:43P
Albany/Rensselaer, NY	A 7:45P	A 8:15P	S 8:15P	A 9:45P	A 11:20P	A 11:45P
			S 8:25P			
<i>CP 143</i>			8:25P			
<i>CP LAB</i>	...	...	8:29P	...	...	...
<i>CP 146</i>	...	...	8:34P	...	...	...
<i>CP 156</i>	...	...	8:41P	...	...	...
Schenectady	...	...	S 8:49P	...	...	...
<i>CP 160 (CP Rail)</i>	...	...	8:50P	...	...	...
CP 169 (Hoffmans) (CSX)	...	...	...	...	...	...

NEW YORK - HOFFMANS

	245 M-F	261 SaSu				
New York	LV 10:46P	LV 11:36P				
<i>A</i>	10:47P	11:37P				
<i>Empire</i>	10:50P	11:40P				
<i>Inwood</i>	11:01P	11:51P				
<i>CP 12 (MNR)</i>	11:04P	11:54P				
Yonkers	...	...		
Croton-Harmon	S 11:26P	S 12:16A				
Poughkeepsie, NY	S 12:06A	S 12:56A				
<i>CP 75 [MNR]</i>	12:11A	1:01A				
Rhinecliff, NY	L 12:20A	L 1:10A				
<i>CP 89</i>	12:21A	1:11A				
<i>CP 94</i>	12:25A	1:15A				
<i>CP 103</i>	12:31A	1:21A				
<i>CP 114</i>	12:39A	1:29A				
Hudson, NY	L 12:42A	L 1:32A				
<i>CP 124</i>	12:50A	1:40A				
<i>CP 141</i>	1:11A	2:01A				
>> <i>CP 187 (POST RD) (CSX)</i>	...	...		
<i>CP 142</i>	1:13A	2:03A				
Albany/Rensselaer, NY	A 1:15A	A 2:05A				
<i>CP 143</i>						
<i>CP LAB</i>	...	...		
<i>CP 146</i>	...	...		
<i>CP 156</i>	...	...		
Schenectady	...	...		
<i>CP 160 (CP Rail)</i>	...	...		
CP 169 (Hoffmans) (CSX)	...	...		

HOFFMANS - NEW YORK

	230	232	250	234	252	236
	M-F	M-F	SaSu	M-F	Sat	Daily
CP 169 (Hoffmans) (CSX)	...	...	...	...	...	...
<i>CP 160 (CP Rail)</i>	...	...	...	...	...	...
Schenectady	...	...	...	...	...	...
<i>CP 156</i>	...	...	...	...	...	...
<i>CP 146</i>	...	...	...	...	...	...
<i>CP LAB</i>	...	...	...	...	...	...
<i>CP 143</i>	...	...	...	...	...	...
Albany/Rensselaer, NY	....	....	....	....	....	....
	S 5:05A	S 6:00A	S 6:20A	S 7:00A	S 7:20A	S 8:20A
<i>CP 142</i>	5:07A	6:02A	6:22A	7:02A	7:22A	8:22A
>> <i>CP 187 (POST RD) (CSX)</i>	...	...	...	...	...	...
<i>CP 141</i>	5:08A	6:03A	6:23A	7:03A	7:23A	8:23A
<i>CP 124</i>	5:21A	6:16A	6:36A	7:16A	7:36A	8:36A
Hudson, NY	S 5:30A	S 6:25A	S 6:45A	S 7:25A	S 7:45A	S 8:45A
<i>CP 114</i>	5:30A	6:25A	6:45A	7:25A	7:45A	8:45A
<i>CP 103</i>	5:38A	6:33A	6:53A	7:33A	7:53A	8:53A
<i>CP 94</i>	5:45A	6:40A	7:00A	7:40A	8:00A	9:00A
<i>CP 89</i>	5:48A	6:43A	7:03A	7:43A	8:03A	9:03A
Rhinecliff, NY	S 5:51A	S 6:45A	S 7:06A	S 7:46A	S 8:06A	S 9:06A
<i>CP 75 [MNR]</i>	6:03A	6:56A	7:18A	7:58A	8:18A	9:18A
Poughkeepsie, NY	...	...	S 7:20A	...	S 8:20A	S 9:20A
Croton-Harmon	S 6:42A	S 7:32A	S 8:00A	...	S 9:00A	S 9:58A
Yonkers	...	...	S 8:19A	...	S 9:19A	S 10:18A
<i>CP 12 (MNR)</i>	7:07A	8:00A	8:27A	9:00A	9:27A	10:27A
<i>Inwood</i>	7:15A	8:03A	8:35A	9:06A	9:30A	10:31A
<i>Empire</i>	7:26A	8:13A	8:45A	9:16A	9:45A	10:46A
<i>A</i>	7:29A	8:16A	8:49A	9:19A	9:49A	10:49A
New York	S 7:30A	S 8:17A	S 8:50A	S 9:20A	S 9:50A	S 10:50A

HOFFMANS - NEW YORK

	280	254	290	238	286	256
	Mo-Sa	Sun	M-F	Daily	Sat	Sun
CP 169 (Hoffmans) (CSX)	9:04A	...	...	...	11:56A	...
<i>CP 160 (CP Rail)</i>	9:14A	...	10:20A	...	12:06P	...
Schenectady	S 9:17A	...	S 10:23A	...	S 12:09P	...
<i>CP 156</i>	9:24A	...	10:34A	...	12:14P	...
<i>CP 146</i>	9:31A	...	10:42A	...	12:21P	...
<i>CP LAB</i>	9:36A	...	10:49A	...	12:30P	...
<i>CP 143</i>	9:49A	...	10:52A	...	12:49P	...
Albany/Rensselaer, NY	S 9:50A	...	S 10:53A	...	S 12:50P	...
	S 10:20A	S 10:20A	S 11:20A	S 12:20P	S 1:20P	S 1:20P
<i>CP 142</i>	10:22A	10:22A	11:22A	12:22P	1:22P	1:22P
>> <i>CP 187 (POST RD) (CSX)</i>	...	...	...	...	...	...
<i>CP 141</i>	10:23A	10:23A	11:23A	12:23P	1:23P	1:23P
<i>CP 124</i>	10:36A	10:36A	11:36A	12:36P	1:36P	1:36P
Hudson, NY	S 10:45A	S 10:45A	S 11:45A	S 12:45P	S 1:45P	S 1:45P
<i>CP 114</i>	10:45A	10:45A	11:45A	12:45P	1:45P	1:45P
<i>CP 103</i>	10:53A	10:53A	11:53A	12:53P	1:53P	1:53P
<i>CP 94</i>	11:00A	11:00A	12:00P	1:00P	2:00P	2:00P
<i>CP 89</i>	11:03A	11:03A	12:03P	1:03P	2:03P	2:03P
Rhinecliff, NY	S 11:06A	S 11:06A	S 12:06P	S 1:06P	S 2:06P	S 2:06P
<i>CP 75 [MNR]</i>	11:18A	11:18A	12:18P	1:18P	2:18P	2:18P
Poughkeepsie, NY	S 11:20A	S 11:20A	S 12:20P	S 1:20P	S 2:20P	S 2:20P
Croton-Harmon	S 12:00P	S 12:00P	S 1:00P	S 1:58P	S 3:00P	S 3:00P
Yonkers	12:19P	12:19P	S 1:19P	S 2:18P	S 3:19P	S 3:19P
<i>CP 12 (MNR)</i>	12:25P	12:25P	1:27P	2:27P	3:27P	3:27P
<i>Inwood</i>	12:28P	12:28P	1:31P	2:30P	3:30P	3:30P
<i>Empire</i>	12:46P	12:46P	1:46P	2:46P	3:46P	3:46P
<i>A</i>	12:49P	12:49P	1:49P	2:49P	3:49P	3:49P
New York	S 12:50P	S 12:50P	S 1:50P	S 2:50P	S 3:50P	S 3:50P

HOFFMANS - NEW YORK

	292	284	448	48	242	244
	Sat	Su-Fr	Daily	Daily	M-F	Daily
CP 169 (Hoffmans) (CSX)	...	12:51P	...	1:44P	...	...
<i>CP 160 (CP Rail)</i>	1:13P	1:01P	...	1:54P	...	...
Schenectady	S 1:15P	S 1:04P	...	S 2:00P	...	...
<i>CP 156</i>	1:20P	1:25P	Split	2:05P	...	...
<i>CP 146</i>	1:28P	1:36P	Off 48	2:13P	...	...
<i>CP LAB</i>	1:33P	1:41P	.	2:18P	...	...
<i>CP 143</i>	1:44P	1:54P	2:36P	A 2:26P	...	...
Albany/Rensselaer, NY	S 1:45P	S 1:55P	S 2:40P	D 2:50P		
	S 2:20P	S 2:20P	S 3:25P	D 3:50P	S 3:20P	S 4:20P
<i>CP 142</i>	2:22P	2:22P	3:26P	3:52P	3:22P	4:22P
>> <i>CP 187 (POST RD) (CSX)</i>	...	...	3:40P	...	...	...
<i>CP 141</i>	2:23P	2:23P	To	3:54P	3:23P	4:23P
<i>CP 124</i>	2:36P	2:36P	Boston	4:08P	3:36P	4:36P
Hudson, NY	S 2:45P	S 2:45P	...	...	S 3:45P	S 4:45P
<i>CP 114</i>	2:45P	2:46P	...	4:16P	3:46P	4:45P
<i>CP 103</i>	2:53P	2:53P	...	4:27P	3:55P	4:53P
<i>CP 94</i>	3:00P	3:00P	...	4:34P	4:01P	5:00P
<i>CP 89</i>	3:03P	3:03P	...	4:37P	4:03P	5:03P
Rhinecliff, NY	S 3:06P	S 3:06P	...	...	S 4:06P	S 5:06P
<i>CP 75 [MNR]</i>	3:18P	3:18P	...	4:48P	4:18P	5:18P
Poughkeepsie, NY	S 3:20P	S 3:20P	...	D 4:54P	S 4:20P	S 5:20P
Croton-Harmon	S 3:58P	S 3:58P	...	D 5:38P	S 5:00P	S 5:58P
Yonkers	S 4:18P	S 4:18P	...	...	S 5:19P	6:19P
<i>CP 12 (MNR)</i>	4:27P	4:27P	...	6:10P	5:27P	6:25P
<i>Inwood</i>	4:30P	4:30P	...	6:13P	5:30P	6:28P
<i>Empire</i>	4:45P	4:46P	...	6:31P	5:41P	6:45P
<i>A</i>	4:49P	4:49P	...	6:34P	5:45P	6:49P
New York	S 4:50P	S 4:50P	...	S 6:35P	S 5:46P	S 6:50P

HOFFMANS - NEW YORK

	68	68		64	296	288
	M-F	SaSu		Daily	Sun	Sun
CP 169 (Hoffmans) (CSX)	...	...	...	6:19P	...	8:01P
<i>CP 160 (CP Rail)</i>	4:47P	4:47P	...	6:29P	7:25P	8:12P
Schenectady	S 4:45P	S 4:45P	...	S 6:32P	S 7:28P	S 8:15P
<i>CP 156</i>	4:50P	4:50P	...	6:44P	7:35P	8:20P
<i>CP 146</i>	4:58P	4:58P	...	6:51P	7:43P	8:27P
<i>CP LAB</i>	5:03P	5:03P	...	6:56P	7:48P	8:32P
<i>CP 143</i>	5:14P	5:14P	...	6:59P	7:52P	8:54P
Albany/Rensselaer, NY	S 5:15P	S 5:15P	...	S 7:00P	S 7:53P	S 8:55P
	S 5:40P	S 5:40P	...	S 7:20P	S 8:20P	S 9:20P
<i>CP 142</i>	5:42P	5:42P	...	7:22P	8:22P	9:22P
>> <i>CP 187 (POST RD) (CSX)</i>	...	...	...	...	...	...
<i>CP 141</i>	5:43P	5:43P	...	7:23P	8:23P	9:23P
<i>CP 124</i>	5:56P	5:56P	...	7:36P	8:36P	9:36P
Hudson, NY	S 6:05P	S 6:05P	...	S 7:45P	S 8:45P	S 9:45P
<i>CP 114</i>	6:05P	6:05P	...	7:45P	8:45P	9:46P
<i>CP 103</i>	6:13P	6:13P	...	7:53P	8:53P	9:53P
<i>CP 94</i>	6:20P	6:20P	...	8:00P	9:00P	10:00P
<i>CP 89</i>	6:23P	6:23P	...	8:03P	9:03P	10:03P
Rhinecliff, NY	S 6:26P	S 6:26P	...	S 8:06P	S 9:06P	S 10:06P
<i>CP 75 [MNR]</i>	6:43P	6:43P	...	8:18P	9:18P	10:18P
Poughkeepsie, NY	S 6:45P	S 6:45P	...	S 8:20P	S 9:20P	S 10:20P
Croton-Harmon	S 7:22P	S 7:22P	...	S 9:00P	S 10:00P	S 11:00P
Yonkers	S 7:42P	S 7:42P	...	S 9:19P	S 10:19P	11:21P
<i>CP 12 (MNR)</i>	7:52P	8:07P	...	9:27P	10:27P	11:25P
<i>Inwood</i>	7:55P	8:10P	...	9:30P	10:30P	11:31P
<i>Empire</i>	8:10P	8:25P	...	9:45P	10:45P	11:41P
<i>A</i>	8:19P	8:34P	...	9:49P	10:49P	11:44P
New York	S 8:20P	S 8:35P	...	S 9:50P	S 10:50P	S 11:45P

NEW YORK - PHILADELPHIA - WASHINGTON

	◇ 67 Daily	151 M-F	111 M-F	121 Sat	□ 2103 M-F	181 M-F
New York	LV 3:01A	LV 4:41A	LV 5:31A	LV 5:46A	S 6:00A	LV 6:06A
PSW (A tower)	3:02A	4:42A	5:32A	5:47A	6:01A	6:07A
Bergen Int.	3:07A	4:47A	5:37A	5:52A	6:05A	6:12A
Portal Int.	3:10A	4:50A	5:40A	5:55A	6:08A	6:15A
Hudson Int.	3:12A	4:52A	5:42A	5:58A	6:10A	6:18A
Newark	S 3:20A	LV 4:57A	R 5:46A	LV 6:02A	R 6:15A	LV 6:22A
Hunter Int.	3:23A	5:00A	5:48A	6:05A	6:17A	6:25A
Newark Airport Sta.	...	...	...	...	...	...
Elmora Int.	3:26A	5:03A	5:51A	6:08A	6:20A	6:28A
Union Int.	3:30A	5:06A	5:54A	6:12A	6:23A	6:31A
Iselin Int.	3:33A	5:09A	5:56A	6:14A	6:25A	6:34A
Metropark	S 3:36A	S 5:12A	S 5:58A	S 6:16A	S 6:28A	S 6:37A
Menlo Int.	3:37A	5:13A	5:59A	6:17A	6:29A	6:38A
Lincoln Int.	3:41A	5:15A	6:01A	6:19A	6:30A	6:40A
New Brunswick	...	...	...	...	...	S 6:45A
County Int.	3:45A	5:19A	6:05A	6:23A	6:34A	6:48A
Midway Int.	3:51A	5:25A	6:10A	6:29A	6:39A	6:54A
Princeton Jct.	...	...	S 6:16A	...	...	S 7:00A
Ham Int.	3:59A	5:32A	6:22A	6:36A	6:46A	7:08A
Fair Int. (East)	4:00A	5:33A	6:23A	6:37A	6:46A	7:09A
Trenton	S 4:03A	S 5:35A	S 6:26A	S 6:40A	S 6:49A	S 7:12A
Morris Int.	4:05A	5:37A	6:28A	6:42A	6:50A	7:14A
Grundy Int.	4:09A	5:41A	6:32A	6:46A	6:54A	7:18A
Cornwells Hts.	...	...	...	...	...	...
Holmes Int.	4:19A	5:49A	6:40A	6:54A	7:02A	7:27A
Shore Int.	4:23A	5:53A	6:44A	6:58A	7:04A	7:31A
North Phila.	...	...	...	...	...	...
Lehigh Int.	4:27A	5:56A	6:46A	7:01A	7:07A	7:34A
Girard Int.	4:31A	5:59A	6:50A	7:04A	7:10A	7:37A
Phila. 30th St. - Arr	S 4:35A	S 6:02A	S 6:53A	S 7:07A	S 7:13A	S 7:40A
Phila. 30th St. - Dep	S 4:40A	S 6:05A	S 6:55A	S 7:10A	S 7:15A	S 7:43A
Phil Int.	4:44A	6:08A	6:58A	7:15A	7:18A	7:48A
Baldwin Int.	4:50A	6:13A	7:03A	7:20A	7:22A	7:53A
Hook Int.	4:56A	6:16A	7:06A	7:23A	7:25A	7:56A
Holly Int.	4:59A	6:18A	7:08A	7:25A	7:27A	7:58A
Landlith Int.	5:02A	6:21A	7:11A	7:28A	7:29A	8:01A
Wilmington	S 5:06A	S 6:25A	S 7:15A	S 7:32A	S 7:34A	S 8:07A
Yard Int.	5:08A	6:27A	7:17A	7:34A	7:36A	8:09A
Ragan Int.	5:09A	6:29A	7:18A	7:35A	7:37A	8:10A
Davis Int.	5:17A	6:36A	7:23A	7:40A	7:41A	8:17A
Newark	...	...	...	...	...	...
Bacon Int.	5:24A	6:43A	7:29A	7:47A	7:47A	8:24A
Perry Int.	5:29A	6:51A *	7:34A	7:52A	7:51A	8:29A
Grace Int.	5:30A	6:52A	7:35A	7:53A	7:52A	8:31A
Aberdeen	...	S 6:57A	...	S 7:57A	...	S 8:35A
Bush Int.	5:38A	7:02A	7:40A	8:04A	7:57A	8:40A
Wood Int.	5:40A	7:06A *	7:42A	8:06A	7:59A	8:41A
Gunpow Int.	5:43A	7:08A	7:45A	8:08A	8:01A	8:44A
Biddle Int.	5:55A	7:19A	7:56A	8:17A	8:10A	8:55A
Baltimore - Arr	S 5:58A	S 7:22A	S 7:58A	S 8:20A	S 8:13A	S 8:58A
Baltimore - Dep	S 6:10A	S 7:32A	S 8:00A	S 8:22A	S 8:15A	S 9:00A
Fulton Int.	6:15A	7:36A	8:04A	8:26A	8:19A	9:04A
B.W.I. Marshall Airport	LV 6:24A	LV 7:47A	LV 8:14A	LV 8:35A	...	LV 9:15A
Grove Int.	6:30A	7:54A	8:19A	8:43A	8:30A	9:20A
Bowie Int.	6:36A	8:00A	8:26A	8:50A	8:34A	9:24A
New Carrollton	L 6:42A	D 8:05A	D 8:31A	D 8:55A	8:38A	D 9:29A
Landover Int.	6:44A	8:07A	8:32A	8:57A	8:41A	9:31A
CP Avenue	6:53A	8:11A	8:42A	9:06A	8:47A	9:40A
Washington - Arr	S 6:57A	A 8:15A	A 8:45A	A 9:10A	A 8:50A	A 9:44A
Washington - Dep	S 7:30A *	...	...	...	...	...
CP Virginia	7:34A	...	...	...	...	...

NOTES: * Train 67 departs 10' later on Sat,Sun. Train 151 stops Perryville R6:50A, Edgewood R7:05A

NEW YORK - PHILADELPHIA - WASHINGTON

	 89 Daily	 51 WeFr	131 SaSu	 51 Sun	 2107 M-F	661 SaSu
New York	LV 6:16A	LV 6:46A	LV 6:46A	R 6:56A	S 7:00A	LV 7:01A
PSW (A tower)	6:17A	6:47A	6:47A	6:57A	7:01A	7:02A
Bergen Int.	6:22A	6:52A	6:52A	7:02A	7:05A	7:07A
Portal Int.	6:25A	6:55A	6:55A	7:05A	7:08A	7:10A
Hudson Int.	6:27A	6:57A	6:58A	7:07A	7:10A	7:12A
Newark	R 6:32A	R 7:05A	LV 7:02A	R 7:13A	R 7:15A	R 7:17A
Hunter Int.	6:35A	7:08A	7:05A	7:16A	7:17A	7:20A
Newark Airport Sta.	...	...	S 7:07A	...	...	...
Elmora Int.	6:38A	7:11A	7:12A	7:19A	7:20A	7:23A
Union Int.	6:41A	7:14A	7:15A	7:22A	7:23A	7:26A
Iselin Int.	6:43A	7:16A	7:18A	7:24A	7:25A	7:28A
Metropark	...	...	S 7:20A	...	S 7:28A	...
Menlo Int.	6:44A	7:17A	7:21A	7:25A	7:29A	7:29A
Lincoln Int.	6:46A	7:19A	7:23A	7:27A	7:30A	7:31A
New Brunswick	...	...	...	...	...	...
County Int.	6:50A	7:23A	7:27A	7:31A	7:34A	7:35A
Midway Int.	6:54A	7:27A	7:33A	7:35A	7:40A	7:39A
Princeton Jct.	...	...	...	...	...	...
Ham Int.	7:01A	7:34A	7:40A	7:42A	7:46A	7:46A
Fair Int. (East)	7:02A	7:35A	7:41A	7:43A	7:47A	7:47A
Trenton	R 7:06A	R 7:40A	S 7:43A	R 7:47A	...	S 7:50A
Morris Int.	7:08A	7:42A	7:45A	7:49A	7:48A	7:52A
Grundy Int.	7:12A	7:48A	7:49A	7:53A	7:51A	7:56A
Cornwells Hts.	...	...	...	...	...	...
Holmes Int.	7:21A	7:55A	7:57A	8:03A	7:58A	8:05A
Shore Int.	7:24A	7:58A	8:01A	8:06A	8:01A	8:09A
North Phila.	...	...	...	...	...	...
Lehigh Int.	7:26A	8:00A	8:04A	8:08A	8:04A	8:12A
Girard Int.	7:30A	8:04A	8:07A	8:12A	8:07A	8:15A
Phila. 30th St. - Arr	R 7:33A	R 8:07A	S 8:10A	R 8:15A	S 8:10A	S 8:20A
Phila. 30th St. - Dep	R 7:37A	R 8:15A	S 8:13A	R 8:20A	S 8:12A	S 8:35A
Phil Int.	7:43A	8:20A	8:18A	8:25A	8:15A	...
Baldwin Int.	7:48A	8:25A	8:23A	8:30A	8:19A	...
Hook Int.	7:52A	8:29A	8:26A	8:34A	8:22A	To
Holly Int.	7:54A	8:31A	8:28A	8:36A	8:24A	HAR
Landlith Int.	7:57A	8:34A	8:31A	8:39A	8:26A	...
Wilmington	R 8:02A	R 8:40A	S 8:35A	R 8:45A	S 8:31A	...
Yard Int.	8:05A	8:42A	8:38A	8:47A	8:33A	...
Ragan Int.	8:06A	8:43A	8:39A	8:48A	8:34A	...
Davis Int.	8:13A	8:48A	8:44A	8:53A	8:38A	...
Newark	...	...	S 8:46A	...	...	...
Bacon Int.	8:20A	8:55A	8:54A	9:00A	8:44A	...
Perry Int.	8:24A	8:59A	8:58A	9:05A	8:48A	...
Grace Int.	8:25A	9:00A	9:00A	9:06A	8:49A	...
Aberdeen	...	...	S 9:04A	...	...	...
Bush Int.	8:30A	9:05A	9:10A	9:13A	8:54A	...
Wood Int.	8:32A	9:07A	9:11A	9:15A	8:56A	...
Gunpow Int.	8:34A	9:09A	9:13A	9:17A	8:58A	...
Biddle Int.	8:46A	9:23A	9:24A	9:29A	9:07A	...
Baltimore - Arr	R 8:49A	R 9:26A	S 9:27A	R 9:32A	S 9:10A	...
Baltimore - Dep	R 8:54A	R 9:29A	S 9:30A	R 9:35A	S 9:12A	...
Fulton Int.	8:58A	9:33A	9:35A	9:39A	9:16A	...
B.W.I. Marshall Airport	...	...	LV 9:44A	...	...	...
Grove Int.	9:09A	9:43A	9:49A	9:51A	9:26A	...
Bowie Int.	9:14A	9:51A	9:56A	9:58A	9:32A	...
New Carrollton	9:19A	9:55A	D 10:01A	10:05A	9:38A	...
Landover Int.	9:20A	9:56A	10:03A	10:06A	9:39A	...
CP Avenue	9:25A	10:04A	10:12A	10:15A	9:44A	...
Washington - Arr	R 9:30A	R 10:10A	A 10:16A	R 10:20A	A 9:47A	...
Washington - Dep	R 9:55A	R 11:05A	...	R 11:05A	...	...
CP Virginia	9:59A	11:09A	...	11:09A	...	...

NEW YORK - PHILADELPHIA - WASHINGTON

	◇ □ Daily	183 M-F	641 M-F	□ 2109 M-F	□ 2203 Sat	153 SaSu
New York	LV 7:06A	LV 7:18A	LV 7:26A	S 8:00A	S 8:00A	LV 8:06A
PSW (A tower)	7:07A	7:19A	7:27A	8:01A	8:01A	8:07A
Bergen Int.	7:12A	7:24A	7:32A	8:05A	8:05A	8:12A
Portal Int.	7:15A	7:27A	7:35A	8:08A	8:08A	8:15A
Hudson Int.	7:17A	7:29A	7:37A	8:10A	8:10A	8:18A
Newark	R 7:24A	LV 7:34A	R 7:42A	R 8:15A	R 8:14A	LV 8:22A
Hunter Int.	7:27A	7:37A	7:45A	8:17A	8:16A	8:25A
Newark Airport Sta.	...	...	...	...	...	S 8:27A
Elmora Int.	7:30A	7:40A	7:48A	8:20A	8:19A	8:32A
Union Int.	7:33A	7:43A	7:51A	8:23A	8:21A	8:35A
Iselin Int.	7:37A	7:46A	7:53A	8:25A	8:24A	8:38A
Metropark	...	S 7:48A	...	S 8:28A	S 8:27A	S 8:40A
Menlo Int.	7:38A	7:49A	7:54A	8:29A	8:28A	8:41A
Lincoln Int.	7:40A	7:51A	7:56A	8:30A	8:31A	8:43A
New Brunswick	...	...	...	...	...	...
County Int.	7:44A	7:55A	8:00A	8:34A	8:34A	8:47A
Midway Int.	7:50A	8:01A	8:05A	8:40A	8:38A	8:53A
Princeton Jct.	...	...	S 8:12A	...	...	...
Ham Int.	7:57A	8:08A	8:17A	8:46A	8:45A	9:00A
Fair Int. (East)	7:58A	8:09A	8:18A	8:47A	8:45A	9:01A
Trenton	S 8:03A	S 8:12A	S 8:21A	...	...	S 9:03A
Morris Int.	8:04A	8:14A	8:23A	8:48A	8:46A	9:05A
Grundy Int.	8:08A	8:18A	8:29A	8:51A	8:50A	9:09A
Cornwells Hts.	...	...	...	...	...	...
Holmes Int.	8:18A	8:26A	8:35A	8:58A	8:58A	9:17A
Shore Int.	8:21A	8:30A	8:39A	9:01A	9:01A	9:21A
North Phila.	...	...	...	...	...	...
Lehigh Int.	8:23A	8:33A	8:41A	9:04A	9:04A	9:24A
Girard Int.	8:27A	8:36A	8:45A	9:07A	9:07A	9:27A
Phila. 30th St. - Arr	S 8:30A	S 8:39A	S 8:49A	S 9:10A	S 9:10A	S 9:30A
Phila. 30th St. - Dep	S 8:35A	S 8:42A	S 9:00A	S 9:12A	S 9:12A	S 9:33A
Phil Int.	8:39A	8:46A	...	9:15A	9:15A	9:38A
Baldwin Int.	8:44A	8:51A	...	9:19A	9:19A	9:43A
Hook Int.	8:48A	8:54A	To	9:22A	9:22A	9:46A
Holly Int.	8:50A	8:56A	HAR	9:24A	9:24A	9:48A
Landlith Int.	8:53A	9:00A	...	9:26A	9:27A	9:51A
Wilmington	S 8:58A	S 9:04A	...	S 9:31A	S 9:31A	S 9:55A
Yard Int.	9:00A	9:06A	...	9:33A	9:33A	9:57A
Ragan Int.	9:01A	9:08A	...	9:34A	9:34A	9:58A
Davis Int.	9:06A	9:13A	...	9:38A	9:40A	10:05A
Newark	...	...	...	...	...	...
Bacon Int.	9:13A	9:20A	...	9:44A	9:46A	10:12A
Perry Int.	9:18A	9:24A	...	9:48A	9:50A	10:17A
Grace Int.	9:19A	9:26A	...	9:49A	9:51A	10:18A
Aberdeen	...	...	...	...	...	...
Bush Int.	9:24A	9:31A	...	9:54A	9:56A	10:23A
Wood Int.	9:26A	9:33A	...	9:56A	9:58A	10:25A
Gunpow Int.	9:28A	9:35A	...	9:58A	10:00A	10:27A
Biddle Int.	9:39A	9:45A	...	10:07A	10:10A	10:38A
Baltimore - Arr	S 9:42A	S 9:48A	...	S 10:10A	S 10:13A	S 10:41A
Baltimore - Dep	S 9:45A	S 9:50A	...	S 10:12A	S 10:15A	S 10:43A
Fulton Int.	9:49A	9:54A	...	10:16A	10:19A	10:47A
B.W.I. Marshall Airport	...	LV 10:04A	...	...	LV 10:28A	LV 10:56A
Grove Int.	10:00A	10:10A	...	10:24A	10:32A	11:01A
Bowie Int.	10:04A	10:17A	...	10:31A	10:37A	11:06A
New Carrollton	10:09A	D 10:25A	...	10:34A	10:40A	D 11:11A
Landover Int.	10:11A	10:27A	...	10:36A	10:41A	11:13A
CP Avenue	10:15A	10:36A	...	10:42A	10:49A	11:26A
Washington - Arr	S 10:25A	A 10:40A	...	A 10:45A	A 10:52A	A 11:30A
Washington - Dep	S 10:55A	...	...	...	...	...
CP Virginia	10:59A	...	...	...	...	...

NEW YORK - PHILADELPHIA - WASHINGTON

	185 M-F	□ 2151 M-F	□ 2205 Sun	155 SaSu	663 SaSu	643 M-F
New York	LV 8:11A	S 9:00A	S 9:00A	LV 9:06A	LV 9:10A	LV 9:31A
<i>PSW (A tower)</i>	8:12A	9:01A	9:01A	9:07A	9:11A	9:32A
<i>Bergen Int.</i>	8:17A	9:05A	9:05A	9:12A	9:16A	9:37A
<i>Portal Int.</i>	8:20A	9:08A	9:08A	9:15A	9:20A	9:40A
<i>Hudson Int.</i>	8:23A	9:10A	9:10A	9:18A	9:23A	9:42A
Newark	LV 8:27A	S 9:15A	R 9:14A	LV 9:22A	R 9:27A	R 9:46A
<i>Hunter Int.</i>	8:30A	9:17A	9:16A	9:25A	9:30A	9:49A
Newark Airport Sta.	S 8:32A	...	...	...	...	...
<i>Elmora Int.</i>	8:37A	9:20A	9:19A	9:28A	9:33A	9:52A
<i>Union Int.</i>	8:40A	9:23A	9:21A	9:31A	9:36A	9:55A
<i>Iselin Int.</i>	8:42A	9:25A	9:24A	9:34A	9:38A	9:57A
Metropark	S 8:45A	...	S 9:27A	S 9:37A	...	...
<i>Menlo Int.</i>	8:46A	9:26A	9:28A	9:38A	9:40A	9:58A
<i>Lincoln Int.</i>	8:48A	9:27A	9:31A	9:40A	9:42A	10:00A
New Brunswick	...	...	...	...	...	...
<i>County Int.</i>	8:52A	9:31A	9:34A	9:44A	9:47A	10:04A
<i>Midway Int.</i>	8:58A	9:36A	9:38A	9:50A	9:52A	10:09A
Princeton Jct.	...	...	...	...	S 9:58A	...
<i>Ham Int.</i>	9:05A	9:43A	9:45A	9:57A	10:04A	10:16A
<i>Fair Int. (East)</i>	9:06A	9:43A	9:45A	9:58A	10:05A	10:17A
Trenton	S 9:08A	...	...	S 10:00A	S 10:07A	LV 10:20A
<i>Morris Int.</i>	9:10A	9:44A	9:46A	10:02A	10:09A	10:22A
<i>Grundy Int.</i>	9:14A	9:48A	9:50A	10:06A	10:13A	10:26A
Cornwells Hts.	...	...	...	...	...	...
<i>Holmes Int.</i>	9:22A	9:54A	9:58A	10:14A	10:21A	10:34A
<i>Shore Int.</i>	9:26A	9:57A	10:01A	10:18A	10:25A	10:38A
North Phila.	...	...	...	...	...	...
<i>Lehigh Int.</i>	9:29A	10:00A	10:04A	10:21A	10:27A	10:40A
<i>Girard Int.</i>	9:32A	10:03A	10:07A	10:24A	10:31A	10:44A
Phila. 30th St. - Arr	S 9:35A	S 10:06A	S 10:10A	S 10:27A	S 10:35A	S 10:48A
Phila. 30th St. - Dep	S 9:37A	S 10:08A	S 10:12A	S 10:30A	S 10:55A	S 11:00A
<i>Phil Int.</i>	9:41A	10:11A	10:15A	10:35A	...	...
<i>Baldwin Int.</i>	9:46A	10:15A	10:19A	10:40A	...	...
<i>Hook Int.</i>	9:49A	10:18A	10:22A	10:43A	To	To
<i>Holly Int.</i>	9:51A	10:20A	10:24A	10:45A	HAR	HAR
<i>Landlith Int.</i>	9:54A	10:22A	10:27A	10:48A	...	...
Wilmington	S 9:58A	S 10:26A	S 10:31A	S* 10:55A	...	...
<i>Yard Int.</i>	10:00A	10:28A	10:33A	10:57A	...	...
<i>Ragan Int.</i>	10:01A	10:29A	10:34A	10:58A	...	...
<i>Davis Int.</i>	10:08A	10:33A	10:40A	11:03A	...	...
Newark	...	...	...	...	...	...
<i>Bacon Int.</i>	10:15A	10:39A	10:46A	11:10A	...	...
<i>Perry Int.</i>	10:20A	10:43A	10:50A	11:15A	...	...
<i>Grace Int.</i>	10:21A	10:44A	10:51A	11:16A	...	...
Aberdeen	...	...	...	...	...	...
<i>Bush Int.</i>	10:26A	10:49A	10:56A	11:22A	...	...
<i>Wood Int.</i>	10:28A	10:51A	10:58A	11:24A	...	...
<i>Gunpow Int.</i>	10:30A	10:53A	11:00A	11:26A	...	...
<i>Biddle Int.</i>	10:40A	11:04A	11:10A	11:35A	...	...
Baltimore - Arr	S 10:43A	S 11:07A	S 11:07A	S 11:38A	...	...
Baltimore - Dep	S 10:45A	S 11:09A	S 11:15A	S 11:40A	...	...
<i>Fulton Int.</i>	10:49A	11:13A	11:19A	11:44A	...	...
B.W.I. Marshall Airport	LV 10:58A	LV 11:22A	LV 11:28A	LV 11:53A	...	...
<i>Grove Int.</i>	11:05A	11:26A	11:32A	11:58A	...	...
<i>Bowie Int.</i>	11:10A	11:30A	11:37A	12:03P	...	...
New Carrollton	D 11:16A	11:35A	11:40A	D 12:08P	...	...
<i>Landover Int.</i>	11:18A	11:38A	11:41A	12:10P	...	...
<i>CP Avenue</i>	11:26A	11:44A	11:49A	12:21P	...	...
Washington - Arr	A 11:30A	A 11:47A	A 11:52A	A 12:25P	...	...
Washington - Dep	...	...	...	...	...	...
<i>CP Virginia</i>	...	...	...	...	...	...

NEW YORK - PHILADELPHIA - WASHINGTON

	141 M-F	2153 M-F	□ 2207 Sat	143 SaSu	95 M-F	◇ 43 Daily
New York	LV 9:36A	S 10:00A	S 10:00A	LV 10:06A	LV 10:36A	LV 10:53A
PSW (A tower)	9:37A	10:01A	10:01A	10:07A	10:37A	10:54A
Bergen Int.	9:42A	10:05A	10:05A	10:12A	10:42A	10:59A
Portal Int.	9:45A	10:08A	10:08A	10:15A	10:45A	11:02A
Hudson Int.	9:48A	10:10A	10:10A	10:18A	10:48A	11:04A
Newark	LV 9:52A	S 10:14A	R 10:14A	LV 10:22A	LV 10:52A	R 11:09A
Hunter Int.	9:55A	10:16A	10:16A	10:25A	10:55A	11:12A
Newark Airport Sta.	S 9:56A	...	...	S 10:27A	...	...
Elmora Int.	10:02A	10:19A	10:19A	10:32A	10:58A	11:15A
Union Int.	10:05A	10:22A	10:21A	10:35A	11:01A	11:18A
Iselin Int.	10:07A	10:24A	10:26A	10:38A	11:03A	11:20A
Metropark	S 10:09A	...	S 10:29A	S 10:40A	S 11:06A	...
Menlo Int.	10:10A	10:25A	10:30A	10:41A	11:07A	11:21A
Lincoln Int.	10:12A	10:26A	10:33A	10:43A	11:09A	11:23A
New Brunswick	...	...	...	...	...	...
County Int.	10:16A	10:29A	10:36A	10:47A	11:13A	11:27A
Midway Int.	10:22A	10:33A	10:40A	10:53A	11:19A	11:33A
Princeton Jct.	...	...	...	...	...	...
Ham Int.	10:29A	10:40A	10:47A	11:00A	11:26A	11:40A
Fair Int. (East)	10:30A	10:40A	10:47A	11:01A	11:27A	11:41A
Trenton	S 10:33A	...	...	S 11:03A	S 11:30A	S 11:44A
Morris Int.	10:34A	10:41A	10:48A	11:05A	11:32A	11:46A
Grundy Int.	10:38A	10:45A	10:52A	11:09A	11:36A	11:50A
Cornwells Hts.	...	...	...	...	...	...
Holmes Int.	10:45A	10:53A	10:58A	11:17A	11:44A	11:59A
Shore Int.	10:51A	10:56A	11:01A	11:21A	11:48A	12:02P
North Phila.	...	...	...	...	...	...
Lehigh Int.	10:54A	10:59A	11:04A	11:24A	11:51A	12:04P
Girard Int.	10:57A	11:02A	11:07A	11:27A	11:54A	12:07P
Phila. 30th St. - Arr	S 11:00A	S 11:05A	S 11:10A	S 11:30A	S 11:57A	S 12:12P
Phila. 30th St. - Dep	S 11:10A	S 11:07A	S 11:12A	S 11:33A	S 12:00P	S 12:42P
Phil Int.	11:14A	11:10A	11:15A	11:38A	12:04P	...
Baldwin Int.	11:19A	11:14A	11:19A	11:43A	12:09P	...
Hook Int.	11:22A	11:17A	11:22A	11:46A	12:12P	To
Holly Int.	11:24A	11:19A	11:24A	11:48A	12:14P	PGH
Landlith Int.	11:27A	11:21A	11:27A	11:51A	12:17P	...
Wilmington	S 11:31A	S 11:26A	S 11:31A	S 11:55A	S 12:22P	...
Yard Int.	11:33A	11:28A	11:33A	11:57A	12:24P	...
Ragan Int.	11:34A	11:29A	11:34A	11:58A	12:25P	...
Davis Int.	11:39A	11:35A	11:40A	12:05P	12:30P	...
Newark	...	...	...	...	...	...
Bacon Int.	11:46A	11:41A	11:46A	12:12P	12:37P	...
Perry Int.	11:51A	11:45A	11:50A	12:17P	12:42P	...
Grace Int.	11:52A	11:46A	11:51A	12:18P	12:43P	...
Aberdeen	...	...	...	...	...	...
Bush Int.	11:59A	11:51A	11:56A	12:23P	12:48P	...
Wood Int.	12:01P	11:53A	11:58A	12:25P	12:50P	...
Gunpow Int.	12:03P	11:55A	12:00P	12:27P	12:52P	...
Biddle Int.	12:12P	12:04P	12:10P	12:38P	1:03P	...
Baltimore - Arr	S 12:15P	S 12:07P	S 12:13P	S 12:41P	S 1:06P	...
Baltimore - Dep	S 12:17P	S 12:09P	S 12:15P	S 12:43P	S 1:14P	...
Fulton Int.	12:21P	12:13P	12:19P	12:47P	1:19P	...
B.W.I. Marshall Airport	LV 12:30P	LV 12:22P	LV 12:28P	LV 12:56P	LV 1:28P	...
Grove Int.	12:35P	12:27P	12:32P	1:01P	1:34P	...
Bowie Int.	12:39P	12:32P	12:37P	1:06P	1:38P	...
New Carrollton	D 12:44P	12:35P	12:40P	D 1:11P	L 1:44P	...
Landover Int.	12:46P	12:37P	12:41P	1:13P	1:46P	...
CP Avenue	12:56P	12:41P	12:49P	1:26P	1:56P	...
Washington - Arr	A 1:00P	A 12:45P	A 12:52P	A 1:30P	S 2:00P	...
Washington - Dep	...	...	...	...	S 2:30P	...
CP Virginia	...	...	...	...	2:34P	...

NEW YORK - PHILADELPHIA - WASHINGTON

	□ 2155 M-F	□ 2211 Sun	◇ 91 Daily	195 SaSu	125 M-F	□ 2117 M-F
New York	S 11:00A	S 11:00A	LV 11:03A	LV 11:06A	LV 11:36A	S 12:00P
<i>PSW (A tower)</i>	11:01A	11:01A	11:04A	11:07A	11:37A	12:01P
<i>Bergen Int.</i>	11:05A	11:05A	11:09A	11:12A	11:42A	12:05P
<i>Portal Int.</i>	11:08A	11:08A	11:12A	11:15A	11:45A	12:08P
<i>Hudson Int.</i>	11:10A	11:10A	11:14A	11:18A	11:47A	12:10P
Newark	S 11:14A	R 11:14A	R 11:22A	LV 11:23A	LV 11:52A	R 12:14P
<i>Hunter Int.</i>	11:16A	11:16A	11:25A	11:27A	11:55A	12:16P
Newark Airport Sta.	...	...	...	...	...	...
<i>Elmora Int.</i>	11:19A	11:19A	11:28A	11:30A	11:58A	12:19P
<i>Union Int.</i>	11:22A	11:21A	11:32A	11:33A	12:01P	12:22P
<i>Iselin Int.</i>	11:24A	11:26A	11:35A	11:36A	12:03P	12:24P
Metropark	S 11:27A	S 11:29A	...	S 11:39A	S 12:05P	S 12:27P
<i>Menlo Int.</i>	11:28A	11:30A	11:36A	11:40A	12:07P	12:28P
<i>Lincoln Int.</i>	11:29A	11:33A	11:38A	11:42A	12:09P	12:29P
New Brunswick	...	...	...	...	...	...
<i>County Int.</i>	11:32A	11:36A	11:42A	11:46A	12:13P	12:32P
<i>Midway Int.</i>	11:36A	11:40A	11:47A	11:52A	12:19P	12:36P
Princeton Jct.	...	...	...	...	...	...
<i>Ham Int.</i>	11:43A	11:47A	11:55A	11:59A	12:26P	12:43P
<i>Fair Int. (East)</i>	11:44A	11:47A	11:56A	12:00P	12:27P	12:43P
Trenton	...	...	R 12:00P	S 12:03P	S 12:29P	...
<i>Morris Int.</i>	11:44A	11:48A	12:02P	12:05P	12:31P	12:44P
<i>Grundy Int.</i>	11:48A	11:52A	12:06P	12:09P	12:35P	12:48P
Cornwells Hts.	...	...	...	...	...	...
<i>Holmes Int.</i>	11:56A	11:58A	12:16P	12:17P	12:43P	12:56P
<i>Shore Int.</i>	11:59A	12:01P	12:20P	12:22P	12:47P	12:59P
North Phila.	...	...	...	...	...	...
<i>Lehigh Int.</i>	12:02P	12:04P	12:23P	12:25P	12:50P	1:02P
<i>Girard Int.</i>	12:05P	12:07P	12:27P	12:28P	12:53P	1:05P
Phila. 30th St. - Arr	S 12:08P	S 12:10P	R 12:30P	S 12:31P	S 12:56P	S 1:08P
Phila. 30th St. - Dep	S 12:10P	S 12:12P	R 12:35P	S 12:34P	S 12:59P	S 1:10P
<i>Phil Int.</i>	12:13P	12:15P	12:41P	12:38P	1:03P	1:13P
<i>Baldwin Int.</i>	12:17P	12:19P	12:46P	12:43P	1:08P	1:17P
<i>Hook Int.</i>	12:20P	12:22P	12:50P	12:46P	1:11P	1:20P
<i>Holly Int.</i>	12:22P	12:24P	12:53P	12:48P	1:13P	1:22P
<i>Landlith Int.</i>	12:24P	12:27P	12:56P	12:51P	1:17P	1:24P
Wilmington	S 12:29P	S 12:31P	R 1:02P	S 12:54P	S 1:20P	S 1:29P
<i>Yard Int.</i>	12:31P	12:33P	1:05P	12:56P	1:22P	1:31P
<i>Ragan Int.</i>	12:32P	12:34P	1:06P	12:57P	1:23P	1:32P
<i>Davis Int.</i>	12:36P	12:40P	1:11P	1:02P	1:28P	1:36P
Newark	...	...	...	...	...	...
<i>Bacon Int.</i>	12:42P	12:46P	1:18P	1:09P	1:35P	1:42P
<i>Perry Int.</i>	12:46P	12:50P	1:23P	1:14P	1:40P	1:46P
<i>Grace Int.</i>	12:47P	12:51P	1:24P	1:15P	1:42P	1:47P
Aberdeen	...	...	...	...	...	...
<i>Bush Int.</i>	12:52P	12:56P	1:29P	1:20P	1:48P	1:53P
<i>Wood Int.</i>	12:54P	12:58P	1:31P	1:22P	1:49P	1:55P
<i>Gunpow Int.</i>	12:56P	1:00P	1:34P	1:24P	1:52P	1:57P
<i>Biddle Int.</i>	1:07P	1:10P	1:47P	1:35P	2:03P	2:07P
Baltimore - Arr	S 1:10P	S 1:13P	R 1:50P	S 1:38P	S 2:06P	S 2:10P
Baltimore - Dep	S 1:12P	S 1:15P	R 1:55P	S 1:40P	S 2:14P	S 2:12P
<i>Fulton Int.</i>	1:16P	1:19P	2:00P	1:44P	2:18P	2:16P
B.W.I. Marshall Airport	1:21P	LV 1:28P	...	LV 1:53P	LV 2:28P	2:21P
<i>Grove Int.</i>	1:25P	1:32P	2:10P	1:58P	2:34P	2:27P
<i>Bowie Int.</i>	1:29P	1:37P	2:17P	2:02P	2:38P	2:31P
New Carrollton	1:33P	1:40P	2:21P	L 2:08P	L 2:43P	2:34P
<i>Landover Int.</i>	1:34P	1:41P	2:23P	2:10P	2:45P	2:35P
<i>CP Avenue</i>	1:42P	1:49P	2:31P	2:21P	2:55P	2:42P
Washington - Arr	A 1:45P	A 1:52P	R 2:35P	S 2:25P	S 2:59P	A 2:45P
Washington - Dep	...	...	R 3:00P	S 2:50P	S 3:55P	...
<i>CP Virginia</i>	...	...	3:10P	2:54P	3:59P	...

NEW YORK - PHILADELPHIA - WASHINGTON

	☐ 2213 Sun	☐ 2251 Sat	147 Sat	157 Sun	645 M-F	171 M-F
New York	S 12:00P	S 12:00P	LV 12:06P	LV 12:06P	LV 12:06P	LV 12:36P
<i>PSW (A tower)</i>	12:01P	12:01P	12:07P	12:07P	12:07P	12:37P
<i>Bergen Int.</i>	12:05P	12:05P	12:12P	12:12P	12:12P	12:42P
<i>Portal Int.</i>	12:08P	12:08P	12:15P	12:15P	12:15P	12:45P
<i>Hudson Int.</i>	12:10P	12:10P	12:18P	12:18P	12:17P	12:48P
Newark	R 12:14P	S 12:14P	LV 12:22P	LV 12:22P	R 12:22P	LV 12:52P
<i>Hunter Int.</i>	12:16P	12:16P	12:25P	12:25P	12:24P	12:55P
Newark Airport Sta.	...	...	S 12:27P	S 12:27P	...	S 12:57P
<i>Elmora Int.</i>	12:19P	12:19P	12:32P	12:32P	12:27P	1:02P
<i>Union Int.</i>	12:21P	12:21P	12:35P	12:35P	12:30P	1:05P
<i>Iselin Int.</i>	12:26P	12:26P	12:38P	12:38P	12:32P	1:07P
Metropark	S 12:29P	S 12:29P	S 12:40P	S 12:40P	...	S 1:10P
<i>Menlo Int.</i>	12:30P	12:30P	12:41P	12:41P	12:33P	1:11P
<i>Lincoln Int.</i>	12:33P	12:33P	12:43P	12:43P	12:35P	1:13P
New Brunswick	...	...	...	...	...	...
<i>County Int.</i>	12:36P	12:36P	12:47P	12:47P	12:39P	1:17P
<i>Midway Int.</i>	12:40P	12:40P	12:53P	12:53P	12:44P	1:22P
Princeton Jct.	...	...	...	...	...	...
<i>Ham Int.</i>	12:47P	12:47P	1:00P	1:00P	12:51P	1:29P
<i>Fair Int. (East)</i>	12:47P	12:47P	1:01P	1:01P	12:52P	1:30P
Trenton	...	...	S 1:03P	S 1:03P	LV 12:56P	S 1:33P
<i>Morris Int.</i>	12:48P	12:48P	1:05P	1:05P	12:58P	1:35P
<i>Grundy Int.</i>	12:52P	12:52P	1:09P	1:09P	1:02P	1:39P
Cornwells Hts.	...	...	...	...	...	...
<i>Holmes Int.</i>	12:58P	12:58P	1:17P	1:17P	1:10P	1:47P
<i>Shore Int.</i>	1:01P	1:01P	1:21P	1:21P	1:14P	1:51P
North Phila.	...	...	...	...	...	...
<i>Lehigh Int.</i>	1:04P	1:04P	1:24P	1:24P	1:17P	1:54P
<i>Girard Int.</i>	1:07P	1:07P	1:27P	1:27P	1:21P	1:57P
Phila. 30th St. - Arr	S 1:10P	S 1:10P	S 1:30P	S 1:30P	S 1:25P	S 2:00P
Phila. 30th St. - Dep	S 1:12P	S 1:12P	S 1:33P	S 1:33P	S 1:35P	S 2:10P
<i>Phil Int.</i>	1:15P	1:15P	1:38P	1:38P	...	2:14P
<i>Baldwin Int.</i>	1:19P	1:19P	1:43P	1:43P	...	2:19P
<i>Hook Int.</i>	1:22P	1:22P	1:46P	1:46P	To	2:22P
<i>Holly Int.</i>	1:24P	1:24P	1:48P	1:48P	HAR	2:24P
<i>Landlith Int.</i>	1:27P	1:27P	1:51P	1:51P	...	2:28P
Wilmington	S 1:31P	S 1:31P	S 1:55P	S 1:55P	...	S 2:32P
<i>Yard Int.</i>	1:33P	1:33P	1:57P	1:57P	...	2:34P
<i>Ragan Int.</i>	1:34P	1:34P	1:58P	1:58P	...	2:35P
<i>Davis Int.</i>	1:40P	1:40P	2:05P	2:05P	...	2:40P
Newark	...	...	...	...	...	...
<i>Bacon Int.</i>	1:46P	1:46P	2:12P	2:12P	...	2:49P
<i>Perry Int.</i>	1:50P	1:50P	2:17P	2:17P	...	2:54P
<i>Grace Int.</i>	1:51P	1:51P	2:18P	2:18P	...	2:55P
Aberdeen	...	...	...	...	...	S 3:00P
<i>Bush Int.</i>	1:56P	1:56P	2:23P	2:23P	...	3:05P
<i>Wood Int.</i>	1:58P	1:58P	2:25P	2:25P	...	3:07P
<i>Gunpow Int.</i>	2:00P	2:00P	2:27P	2:27P	...	3:09P
<i>Biddle Int.</i>	2:10P	2:10P	2:38P	2:38P	...	3:19P
Baltimore - Arr	S 2:13P	S 2:13P	S 2:41P	S 2:41P	...	S 3:22P
Baltimore - Dep	S 2:15P	S 2:15P	S 2:43P	S 2:43P	...	S 3:27P
<i>Fulton Int.</i>	2:19P	2:19P	2:47P	2:47P	...	3:31P
B.W.I. Marshall Airport	LV 2:28P	LV 2:27P	LV 2:56P	LV 2:56P	...	LV 3:40P
<i>Grove Int.</i>	2:32P	2:32P	3:02P	3:02P	...	3:45P
<i>Bowie Int.</i>	2:37P	2:36P	3:06P	3:06P	...	3:49P
New Carrollton	2:40P	2:40P	L 3:11P	L 3:11P	...	L 3:54P
<i>Landover Int.</i>	2:41P	2:41P	3:13P	3:13P	...	3:56P
<i>CP Avenue</i>	2:49P	2:49P	3:26P	3:26P	...	4:07P
Washington - Arr	A 2:52P	A 2:52P	S 3:30P	S 3:30P	...	S 4:12P
Washington - Dep	...	...	S 4:00P	S 4:00P	...	S 4:50P
<i>CP Virginia</i>	...	...	4:04P	4:04P	...	4:54P

NEW YORK - PHILADELPHIA - WASHINGTON

	145 Sun	□ 2159 M-F	133 Fri	665 SaSu	99 SaSu	□ 2121 M-F
New York	LV 12:56P	S 1:00P	LV 1:04P	LV 1:06P	LV 1:18P	S 2:00P
<i>PSW (A tower)</i>	12:57P	1:01P	1:05P	1:07P	1:19P	2:01P
<i>Bergen Int.</i>	1:02P	1:05P	1:10P	1:12P	1:24P	2:05P
<i>Portal Int.</i>	1:05P	1:08P	1:13P	1:16P	1:28P	2:08P
<i>Hudson Int.</i>	1:08P	1:10P	1:16P	1:18P	1:31P	2:10P
Newark	LV 1:12P	S 1:14P	R 1:20P	R 1:23P	LV 1:35P	R 2:14P
<i>Hunter Int.</i>	1:15P	1:16P	1:22P	1:25P	1:38P	2:16P
Newark Airport Sta.	...	...	...	...	S 1:40P	...
<i>Elmora Int.</i>	1:18P	1:19P	1:25P	1:28P	1:45P	2:19P
<i>Union Int.</i>	1:22P	1:22P	1:28P	1:32P	1:48P	2:22P
<i>Iselin Int.</i>	1:24P	1:24P	1:30P	1:34P	1:50P	2:24P
Metropark	...	...	...	...	S 1:52P	...
<i>Menlo Int.</i>	1:25P	1:25P	1:31P	1:35P	1:53P	2:24P
<i>Lincoln Int.</i>	1:27P	1:26P	1:33P	1:37P	1:55P	2:25P
New Brunswick	...	...	...	...	...	...
<i>County Int.</i>	1:31P	1:29P	1:38P	1:41P	1:59P	2:29P
<i>Midway Int.</i>	1:37P	1:33P	1:42P	1:47P	2:05P	2:33P
Princeton Jct.	...	...	...	...	...	...
<i>Ham Int.</i>	1:44P	1:40P	1:49P	1:54P	2:12P	2:39P
<i>Fair Int. (East)</i>	1:45P	1:40P	1:50P	1:55P	2:13P	2:40P
Trenton	S 1:47P	...	S 1:53P	S 1:58P	S 2:15P	...
<i>Morris Int.</i>	1:48P	1:41P	1:55P	2:00P	2:17P	2:41P
<i>Grundy Int.</i>	1:52P	1:45P	1:59P	2:04P	2:21P	2:44P
Cornwells Hts.	...	...	...	...	...	...
<i>Holmes Int.</i>	2:01P	1:53P	2:07P	2:12P	2:29P	2:53P
<i>Shore Int.</i>	2:05P	1:56P	2:11P	2:16P	2:33P	2:55P
North Phila.	...	...	...	...	...	...
<i>Lehigh Int.</i>	2:08P	1:59P	2:13P	2:18P	2:36P	2:58P
<i>Girard Int.</i>	2:11P	2:02P	2:17P	2:22P	2:39P	3:02P
Phila. 30th St. - Arr	S 2:14P	S 2:05P	S 2:20P	S 2:26P	S 2:42P	S 3:05P
Phila. 30th St. - Dep	S 2:17P	S 2:07P	S 2:23P	S 2:45P	S 2:45P	S 3:07P
<i>Phil Int.</i>	2:22P	2:10P	2:27P	...	2:48P	3:10P
<i>Baldwin Int.</i>	2:27P	2:14P	2:32P	...	2:54P	3:14P
<i>Hook Int.</i>	2:30P	2:17P	2:34P	To	2:57P	3:17P
<i>Holly Int.</i>	2:32P	2:19P	2:36P	HAR	2:59P	3:19P
<i>Landlith Int.</i>	2:35P	2:21P	2:40P	...	3:02P	3:21P
Wilmington	S 2:39P	S 2:26P	S 2:44P	...	S 3:07P	S 3:26P
<i>Yard Int.</i>	2:41P	2:28P	2:46P	...	3:09P	3:28P
<i>Ragan Int.</i>	2:42P	2:29P	2:47P	...	3:10P	3:29P
<i>Davis Int.</i>	2:47P	2:33P	2:52P	...	3:15P	3:33P
Newark	...	...	S 2:55P	...	...	...
<i>Bacon Int.</i>	2:56P	2:39P	3:03P	...	3:22P	3:39P
<i>Perry Int.</i>	3:01P	2:43P	3:07P	...	3:27P	3:43P
<i>Grace Int.</i>	3:02P	2:44P	3:08P	...	3:28P	3:44P
Aberdeen	...	...	S 3:15P	...	...	...
<i>Bush Int.</i>	3:07P	2:49P	3:19P	...	3:35P	3:49P
<i>Wood Int.</i>	3:09P	2:51P	3:21P	...	3:37P	3:51P
<i>Gunpow Int.</i>	3:11P	2:53P	3:23P	...	3:39P	3:53P
<i>Biddle Int.</i>	3:20P	3:04P	3:35P	...	3:48P	4:04P
Baltimore - Arr	S 3:23P	S 3:07P	S 3:37P	...	S 3:51P	S 4:07P
Baltimore - Dep	S 3:25P	S 3:09P	S 3:40P	...	S 3:53P	S 4:09P
<i>Fulton Int.</i>	3:29P	3:13P	3:44P	...	3:57P	4:13P
B.W.I. Marshall Airport	LV 3:38P	LV 3:22P	LV 3:53P	...	LV 4:06P	LV 4:22P
<i>Grove Int.</i>	3:43P	3:26P	4:00P	...	4:11P	4:26P
<i>Bowie Int.</i>	3:47P	3:31P	4:04P	...	4:15P	4:32P
New Carrollton	L 3:52P	3:34P	D 4:09P	...	L 4:20P	4:35P
<i>Landover Int.</i>	3:54P	3:35P	4:10P	...	4:22P	4:36P
<i>CP Avenue</i>	4:08P	3:42P	4:22P	...	4:31P	4:42P
Washington - Arr	S 4:12P	A 3:45P	A 4:25P	...	S 4:35P	A 4:45P
Washington - Dep	S 4:50P	...	...	...	S 5:00P	...
<i>CP Virginia</i>	4:54P	...	...	...	5:04P	...

NEW YORK - PHILADELPHIA - WASHINGTON

	93 Mo-Th	83 Fri	161 SaSu	647 M-F	◇ □ 19 Daily	649 M-F
New York	LV 2:06P	LV 2:06P	LV 2:06P	LV 2:12P	R* 2:18P	LV 2:45P
<i>PSW (A tower)</i>	2:07P	2:07P	2:07P	2:13P	2:19P	2:46P
<i>Bergen Int.</i>	2:12P	2:12P	2:12P	2:18P	2:24P	2:51P
<i>Portal Int.</i>	2:15P	2:15P	2:15P	2:21P	2:27P	2:54P
<i>Hudson Int.</i>	2:18P	2:18P	2:18P	2:24P	2:29P	2:56P
Newark	LV 2:22P	LV 2:22P	LV 2:22P	R 2:28P	R 2:37P	R 2:59P
<i>Hunter Int.</i>	2:25P	2:25P	2:25P	2:31P	2:40P	3:02P
Newark Airport Sta.	...	...	S 2:27P	S 2:34P	...	S 3:05P
<i>Elmora Int.</i>	2:28P	2:28P	2:32P	2:37P	2:43P	3:08P
<i>Union Int.</i>	2:31P	2:31P	2:35P	2:40P	2:47P	3:11P
<i>Iselin Int.</i>	2:33P	2:33P	2:38P	2:42P	2:50P	3:13P
Metropark	S 2:37P	S 2:37P	S 2:40P	...	...	...
<i>Menlo Int.</i>	2:38P	2:38P	2:41P	2:43P	2:51P	3:14P
<i>Lincoln Int.</i>	2:40P	2:40P	2:43P	2:45P	2:53P	3:16P
New Brunswick	...	...	...	...	...	...
<i>County Int.</i>	2:44P	2:44P	2:47P	2:49P	2:59P	3:20P
<i>Midway Int.</i>	2:49P	2:49P	2:53P	2:55P	3:04P	3:26P
Princeton Jct.	...	...	...	...	...	...
<i>Ham Int.</i>	2:56P	2:56P	3:00P	3:02P	3:12P	3:33P
<i>Fair Int. (East)</i>	2:57P	2:57P	3:01P	3:03P	3:13P	3:34P
Trenton	S 3:00P	S 3:00P	S 3:03P	S 3:05P	R 3:18P	S 3:37P
<i>Morris Int.</i>	3:02P	3:02P	3:05P	3:07P	3:20P	3:39P
<i>Grundy Int.</i>	3:06P	3:06P	3:09P	3:11P	3:24P	3:43P
Cornwells Hts.	...	...	...	...	...	...
<i>Holmes Int.</i>	3:14P	3:14P	3:17P	3:19P	3:34P	3:51P
<i>Shore Int.</i>	3:18P	3:18P	3:21P	3:23P	3:38P	3:55P
North Phila.	...	...	...	...	...	D 3:59P
<i>Lehigh Int.</i>	3:21P	3:21P	3:24P	3:25P	3:42P	4:00P
<i>Girard Int.</i>	3:24P	3:24P	3:27P	3:29P	3:45P	4:04P
Phila. 30th St. - Arr	S 3:27P	S 3:27P	S 3:30P	S 3:33P	R 3:48P	S 4:09P
Phila. 30th St. - Dep	S 3:30P	S 3:30P	S 3:33P	S 3:45P	R 3:55P	S 4:45P
<i>Phil Int.</i>	3:34P	3:34P	3:38P	...	3:59P	...
<i>Baldwin Int.</i>	3:39P	3:39P	3:43P	...	4:04P	...
<i>Hook Int.</i>	3:42P	3:42P	3:46P	To	4:07P	To
<i>Holly Int.</i>	3:44P	3:44P	3:48P	HAR	4:10P	HAR
<i>Landlith Int.</i>	3:47P	3:47P	3:51P	...	4:13P	...
Wilmington	S 3:51P	S 3:51P	S 3:55P	...	R 4:19P	...
<i>Yard Int.</i>	3:53P	3:53P	3:57P	...	4:21P	...
<i>Ragan Int.</i>	3:54P	3:54P	3:58P	...	4:22P	...
<i>Davis Int.</i>	3:59P	3:59P	4:03P	...	4:27P	...
Newark	...	...	...	...	...	...
<i>Bacon Int.</i>	4:06P	4:06P	4:10P	...	4:34P	...
<i>Perry Int.</i>	4:11P	4:11P	4:15P	...	4:39P	...
<i>Grace Int.</i>	4:12P	4:12P	4:16P	...	4:41P	...
Aberdeen	...	...	S 4:20P	...	4:50P	...
<i>Bush Int.</i>	4:17P	4:17P	4:25P	...	4:53P	...
<i>Wood Int.</i>	4:19P	4:19P	4:27P	...	4:55P	...
<i>Gunpow Int.</i>	4:21P	4:21P	4:29P	...	4:58P	...
<i>Biddle Int.</i>	4:32P	4:32P	4:40P	...	5:09P	...
Baltimore - Arr	S 4:35P	S 4:35P	S 4:43P	...	R 5:11P	...
Baltimore - Dep	S 4:37P	S 4:37P	S 4:45P	...	R 5:14P	...
<i>Fulton Int.</i>	4:41P	4:41P	4:49P	...	5:19P	...
B.W.I. Marshall Airport	LV 4:50P	LV 4:50P	LV 4:58P	...	...	...
<i>Grove Int.</i>	4:55P	4:55P	5:03P	...	5:33P	...
<i>Bowie Int.</i>	4:59P	4:59P	5:07P	...	5:38P	...
New Carrollton	L 5:04P	L 5:04P	D 5:12P	...	5:43P	...
<i>Landover Int.</i>	5:06P	5:06P	5:14P	...	5:45P	...
<i>CP Avenue</i>	5:16P	5:16P	5:26P	...	5:56P	...
Washington - Arr	S 5:20P	S 5:20P	A 5:30P	...	R 6:00P	...
Washington - Dep	S 5:50P	S 5:50P	...	...	R 6:30P	...
<i>CP Virginia</i>	5:54P	5:54P	...	...	6:35P	...

NEW YORK - PHILADELPHIA - WASHINGTON

	□ 2163 M-F	□ 2253 SaSu	71 Sat	87 Sun	85 M-F	667 SaSu
New York	S 3:00P	S 3:00P	LV 3:05P	LV 3:05P	LV 3:06P	LV 3:14P
<i>PSW (A tower)</i>	3:01P	3:01P	3:06P	3:06P	3:07P	3:15P
<i>Bergen Int.</i>	3:05P	3:05P	3:11P	3:11P	3:12P	3:20P
<i>Portal Int.</i>	3:08P	3:08P	3:14P	3:14P	3:15P	3:25P
<i>Hudson Int.</i>	3:10P	3:10P	3:17P	3:17P	3:18P	3:27P
Newark	S 3:14P	S 3:14P	LV 3:21P	LV 3:21P	S 3:22P	R 3:32P
<i>Hunter Int.</i>	3:16P	3:16P	3:24P	3:24P	3:24P	3:34P
Newark Airport Sta.	...	...	S 3:26P	S 3:26P	...	...
<i>Elmora Int.</i>	3:19P	3:19P	3:32P	3:32P	3:27P	3:37P
<i>Union Int.</i>	3:22P	3:21P	3:36P	3:36P	3:30P	3:41P
<i>Iselin Int.</i>	3:24P	3:26P	3:39P	3:39P	3:33P	3:45P
Metropark	...	S 3:29P	S 3:41P	S 3:41P	S 3:36P	...
<i>Menlo Int.</i>	3:24P	3:30P	3:42P	3:42P	3:37P	3:47P
<i>Lincoln Int.</i>	3:25P	3:33P	3:44P	3:44P	3:39P	3:49P
New Brunswick	...	...	...	...	...	...
<i>County Int.</i>	3:29P	3:36P	3:48P	3:48P	3:43P	3:53P
<i>Midway Int.</i>	3:33P	3:40P	3:54P	3:54P	3:49P	3:57P
Princeton Jct.	...	...	...	...	...	...
<i>Ham Int.</i>	3:39P	3:47P	4:01P	4:01P	3:56P	4:04P
<i>Fair Int. (East)</i>	3:40P	3:47P	4:02P	4:02P	3:57P	4:05P
Trenton	...	...	S 4:04P	S 4:04P	S 4:00P	LV 4:08P
<i>Morris Int.</i>	3:41P	3:48P	4:05P	4:05P	4:02P	4:10P
<i>Grundy Int.</i>	3:44P	3:52P	4:10P	4:10P	4:06P	4:14P
Cornwells Hts.	...	...	...	...	...	...
<i>Holmes Int.</i>	3:53P	3:58P	4:19P	4:19P	4:14P	4:24P
<i>Shore Int.</i>	3:55P	4:01P	4:23P	4:23P	4:18P	4:28P
North Phila.	...	...	...	...	...	...
<i>Lehigh Int.</i>	3:58P	4:04P	4:26P	4:26P	4:21P	4:30P
<i>Girard Int.</i>	4:02P	4:07P	4:29P	4:29P	4:24P	4:34P
Phila. 30th St. - Arr	S 4:05P	S 4:10P	S 4:32P	S 4:32P	S 4:27P	S 4:38P
Phila. 30th St. - Dep	S 4:07P	S 4:12P	S 4:35P	S 4:35P	S 4:30P	S 4:55P
<i>Phil Int.</i>	4:10P	4:15P	4:38P	4:38P	4:35P	...
<i>Baldwin Int.</i>	4:14P	4:19P	4:43P	4:43P	4:40P	...
<i>Hook Int.</i>	4:17P	4:22P	4:46P	4:46P	4:42P	To
<i>Holly Int.</i>	4:19P	4:24P	4:48P	4:48P	4:44P	HAR
<i>Landlith Int.</i>	4:21P	4:27P	4:51P	4:51P	4:47P	...
Wilmington	S 4:26P	S 4:31P	S 4:55P	S 4:55P	S 4:52P	...
<i>Yard Int.</i>	4:28P	4:33P	4:57P	4:57P	4:54P	...
<i>Ragan Int.</i>	4:29P	4:34P	4:58P	4:58P	4:55P	...
<i>Davis Int.</i>	4:33P	4:40P	5:03P	5:03P	5:00P	...
Newark	...	...	S 5:05P	S 5:05P	...	...
<i>Bacon Int.</i>	4:39P	4:46P	5:13P	5:13P	5:06P	...
<i>Perry Int.</i>	4:43P	4:50P	5:18P	5:18P	5:10P	...
<i>Grace Int.</i>	4:44P	4:51P	5:19P	5:19P	5:11P	...
Aberdeen	...	...	S 5:23P	S 5:23P	S 5:19P	...
<i>Bush Int.</i>	4:49P	4:56P	5:28P	5:28P	5:23P	...
<i>Wood Int.</i>	4:51P	4:58P	5:30P	5:30P	5:25P	...
<i>Gunpow Int.</i>	4:53P	5:00P	5:32P	5:32P	5:27P	...
<i>Biddle Int.</i>	5:04P	5:10P	5:43P	5:43P	5:38P	...
Baltimore - Arr	S 5:07P	S 5:13P	S 5:46P	S 5:46P	S 5:40P	...
Baltimore - Dep	S 5:09P	S 5:15P	S 5:48P	S 5:48P	S 5:42P	...
<i>Fulton Int.</i>	5:13P	5:20P	5:52P	5:52P	5:46P	...
B.W.I. Marshall Airport	LV 5:22P	LV 5:28P	LV 6:00P	LV 6:00P	LV 5:56P	...
<i>Grove Int.</i>	5:27P	5:32P	6:06P	6:06P	6:01P	...
<i>Bowie Int.</i>	5:31P	5:38P	6:11P	6:11P	6:05P	...
New Carrollton	5:34P	5:44P	L 6:16P	L 6:16P	L 6:12P	...
<i>Landover Int.</i>	5:35P	5:45P	6:18P	6:18P	6:13P	...
<i>CP Avenue</i>	5:42P	5:49P	6:31P	6:31P	6:22P	...
Washington - Arr	A 5:45P	A 5:52P	S 6:35P	S 6:35P	S 6:25P	...
Washington - Dep	...	...	S 7:00P	S 7:00P	S 7:05P	...
<i>CP Virginia</i>	...	...	7:04P	7:04P	7:09P	...

NEW YORK - PHILADELPHIA - WASHINGTON

	◇ □ Daily	173 M-F	2165 M-F	□ Sun	651 M-F	127 M-F
New York	R* 3:18P	LV 3:36P	S 4:00P	S 4:00P	LV 4:04P	LV 4:06P
<i>PSW (A tower)</i>	3:19P	3:37P	4:01P	4:01P	4:05P	4:07P
<i>Bergen Int.</i>	3:24P	3:42P	4:05P	4:05P	4:10P	4:12P
<i>Portal Int.</i>	3:29P	3:45P	4:08P	4:08P	4:13P	4:15P
<i>Hudson Int.</i>	3:32P	3:48P	4:10P	4:10P	4:15P	4:17P
Newark	R 3:38P	LV 3:52P	S 4:14P	R 4:14P	R 4:20P	R 4:22P
<i>Hunter Int.</i>	3:41P	3:55P	4:16P	4:16P	4:23P	4:25P
Newark Airport Sta.	...	...	...	...	...	S 4:28P
<i>Elmora Int.</i>	3:44P	3:58P	4:19P	4:19P	4:26P	4:31P
<i>Union Int.</i>	3:48P	4:01P	4:22P	4:21P	4:29P	4:34P
<i>Iselin Int.</i>	3:51P	4:05P	4:24P	4:26P	4:31P	4:36P
Metropark	...	...	...	S 4:29P	...	S 4:38P
<i>Menlo Int.</i>	3:52P	4:06P	4:25P	4:30P	4:32P	4:39P
<i>Lincoln Int.</i>	3:54P	4:08P	4:26P	4:33P	4:34P	4:41P
New Brunswick	...	...	...	...	...	...
<i>County Int.</i>	3:58P	4:12P	4:29P	4:36P	4:38P	4:47P
<i>Midway Int.</i>	4:03P	4:18P	4:33P	4:40P	4:43P	4:51P
Princeton Jct.	...	...	...	...	...	...
<i>Ham Int.</i>	4:11P	4:25P	4:40P	4:47P	4:51P	4:59P
<i>Fair Int. (East)</i>	4:12P	4:26P	4:40P	4:47P	4:52P	5:01P
Trenton	R 4:18P	...	...	...	S 4:55P	S 5:04P
<i>Morris Int.</i>	4:23P	4:27P	4:41P	4:48P	4:57P	5:06P
<i>Grundy Int.</i>	4:27P	4:31P	4:45P	4:52P	5:01P	5:10P
Cornwells Hts.	...	...	...	...	...	...
<i>Holmes Int.</i>	4:34P	4:39P	4:53P	4:58P	5:09P	5:19P
<i>Shore Int.</i>	4:38P	4:43P	4:56P	5:01P	5:13P	5:23P
North Phila.	...	...	...	...	...	...
<i>Lehigh Int.</i>	4:42P	4:46P	4:59P	5:04P	5:15P	5:26P
<i>Girard Int.</i>	4:45P	4:49P	5:02P	5:07P	5:19P	5:29P
Phila. 30th St. - Arr	R 4:48P	S 4:52P	S 5:05P	S 5:10P	S 5:23P	S 5:32P
Phila. 30th St. - Dep	R 4:58P	S 4:55P	S 5:07P	S 5:12P	S 5:35P	S 5:35P
<i>Phil Int.</i>	5:02P	5:00P	5:10P	5:15P	...	5:39P
<i>Baldwin Int.</i>	5:07P	5:05P	5:14P	5:19P	...	5:44P
<i>Hook Int.</i>	5:11P	5:08P	5:17P	5:22P	To	5:46P
<i>Holly Int.</i>	5:14P	5:10P	5:19P	5:24P	HAR	5:48P
<i>Landlith Int.</i>	5:18P	5:13P	5:22P	5:27P	...	5:51P
Wilmington	R 5:23P	S 5:17P	S 5:26P	S 5:31P	...	S 5:55P
<i>Yard Int.</i>	5:25P	5:19P	5:28P	5:33P	...	5:57P
<i>Ragan Int.</i>	5:26P	5:20P	5:29P	5:34P	...	5:58P
<i>Davis Int.</i>	5:31P	5:25P	5:35P	5:38P	...	6:03P
Newark	...	...	...	...	...	...
<i>Bacon Int.</i>	5:38P	5:32P	5:41P	5:44P	...	6:09P
<i>Perry Int.</i>	5:43P	5:37P	5:46P	5:50P	...	6:14P
<i>Grace Int.</i>	5:44P	5:38P	5:47P	5:51P	...	6:15P
Aberdeen	5:52P	5:41P	...	...	...	6:18P
<i>Bush Int.</i>	5:55P	5:44P	5:52P	5:56P	...	6:21P
<i>Wood Int.</i>	5:57P	5:46P	5:54P	5:58P	...	6:23P
<i>Gunpow Int.</i>	6:00P	5:48P	5:56P	6:00P	...	6:25P
<i>Biddle Int.</i>	6:10P	5:57P	6:06P	6:10P	...	6:36P
Baltimore - Arr	R* 6:13P	S 6:00P	S 6:09P	S 6:13P	...	S 6:38P
Baltimore - Dep	R* 6:17P	S 6:02P	S 6:11P	S 6:15P	...	S 6:40P
<i>Fulton Int.</i>	6:21P	6:06P	6:15P	6:19P	...	6:44P
B.W.I. Marshall Airport	...	LV 6:15P	LV 6:24P	LV 6:28P	...	LV 6:53P
<i>Grove Int.</i>	6:34P	6:20P	6:28P	6:32P	...	6:57P
<i>Bowie Int.</i>	6:40P	6:24P	6:32P	6:37P	...	7:01P
New Carrollton	6:44P	D 6:29P	6:35P	6:40P	...	D 7:08P
<i>Landover Int.</i>	6:46P	6:31P	6:36P	6:41P	...	7:10P
<i>CP Avenue</i>	6:56P	6:41P	6:46P	6:49P	...	7:22P
Washington - Arr	R 7:00P	A 6:47P	A 6:49P	A 6:52P	...	A 7:25P
Washington - Dep	R 7:30P	...	...	...	...	...
<i>CP Virginia</i>	7:35P	...	...	...	...	...

NEW YORK - PHILADELPHIA - WASHINGTON

	163 SaSu	129 M-F	□ 2167 M-F	□ 2255 Sun	159 SaSu	653 M-F
New York	LV 4:06P	LV 4:43P	S 5:00P	S 5:00P	LV 5:06P	LV 5:11P
<i>PSW (A tower)</i>	4:07P	4:44P	5:01P	5:01P	5:07P	5:12P
<i>Bergen Int.</i>	4:12P	4:49P	5:05P	5:05P	5:12P	5:17P
<i>Portal Int.</i>	4:15P	4:52P	5:08P	5:08P	5:15P	5:20P
<i>Hudson Int.</i>	4:17P	4:54P	5:10P	5:10P	5:17P	5:22P
Newark	LV 4:22P	R 4:58P	S 5:14P	S 5:14P	LV 5:22P	R 5:27P
<i>Hunter Int.</i>	4:25P	5:01P	5:16P	5:16P	5:25P	5:30P
Newark Airport Sta.	S 4:27P	...	...	...	S 5:27P	...
<i>Elmora Int.</i>	4:33P	5:04P	5:19P	5:19P	5:32P	5:33P
<i>Union Int.</i>	4:36P	5:07P	5:21P	5:21P	5:35P	5:36P
<i>Iselin Int.</i>	4:38P	5:10P	5:24P	5:26P	5:37P	5:38P
Metropark	S 4:41P	S 5:13P	...	S 5:29P	S 5:40P	...
<i>Menlo Int.</i>	4:42P	5:14P	5:25P	5:30P	5:41P	5:39P
<i>Lincoln Int.</i>	4:44P	5:16P	5:26P	5:33P	5:43P	5:41P
New Brunswick	...	...	...	...	...	...
<i>County Int.</i>	4:48P	5:20P	5:29P	5:36P	5:47P	5:45P
<i>Midway Int.</i>	4:54P	5:26P	5:33P	5:40P	5:53P	5:50P
Princeton Jct.	...	...	...	...	...	...
<i>Ham Int.</i>	5:01P	5:33P	5:40P	5:47P	6:00P	5:58P
<i>Fair Int. (East)</i>	5:02P	5:34P	5:40P	5:47P	6:01P	5:59P
Trenton	S 5:05P	S 5:37P	...	...	S 6:03P	S 6:02P
<i>Morris Int.</i>	5:07P	5:39P	5:41P	5:48P	6:05P	6:04P
<i>Grundy Int.</i>	5:11P	5:44P	5:45P	5:52P	6:09P	6:08P
Cornwells Hts.	...	...	...	...	...	...
<i>Holmes Int.</i>	5:19P	5:51P	5:53P	5:58P	6:17P	6:15P
<i>Shore Int.</i>	5:23P	5:55P	5:56P	6:01P	6:21P	6:19P
North Phila.	...	5:59P	...	...	...	D 6:22P
<i>Lehigh Int.</i>	5:26P	6:02P	5:59P	6:04P	6:24P	6:23P
<i>Girard Int.</i>	5:29P	6:05P	6:02P	6:07P	6:27P	6:26P
Phila. 30th St. - Arr	S 5:32P	S* 6:08P	S 6:05P	S 6:10P	S 6:30P	S 6:30P
Phila. 30th St. - Dep	S 5:35P	S* 6:12P	S 6:07P	S 6:12P	S 6:33P	S 6:42P
<i>Phil Int.</i>	5:38P	6:17P	6:10P	6:15P	6:38P	...
<i>Baldwin Int.</i>	5:43P	6:21P	6:14P	6:19P	6:43P	...
<i>Hook Int.</i>	5:46P	6:24P	6:17P	6:22P	6:46P	To
<i>Holly Int.</i>	5:48P	6:26P	6:19P	6:24P	6:48P	HAR
<i>Landlith Int.</i>	5:51P	6:29P	6:21P	6:27P	6:51P	...
Wilmington	S 5:55P	S* 6:33P	S 6:26P	S 6:31P	S 6:55P	...
<i>Yard Int.</i>	5:57P	6:35P	6:28P	6:33P	6:57P	...
<i>Ragan Int.</i>	5:58P	6:37P	6:29P	6:34P	6:58P	...
<i>Davis Int.</i>	6:05P	6:42P	6:33P	6:40P	7:03P	...
Newark	...	...	...	...	...	...
<i>Bacon Int.</i>	6:12P	6:48P	6:39P	6:46P	7:10P	...
<i>Perry Int.</i>	6:17P	6:52P	6:43P	6:50P	7:15P	...
<i>Grace Int.</i>	6:19P	6:53P	6:44P	6:51P	7:16P	...
Aberdeen	6:22P	S* 7:00P	...	...	S 7:20P	...
<i>Bush Int.</i>	6:25P	7:04P	6:49P	6:56P	7:26P	...
<i>Wood Int.</i>	6:27P	7:06P	6:51P	6:58P	7:27P	...
<i>Gunpow Int.</i>	6:29P	7:08P	6:53P	7:00P	7:29P	...
<i>Biddle Int.</i>	6:39P	7:20P	7:04P	7:10P	7:39P	...
Baltimore - Arr	S 6:42P	S 7:22P	S 7:07P	S 7:13P	S 7:42P	...
Baltimore - Dep	S 6:44P	S 7:24P	S 7:09P	S 7:15P	S 7:44P	...
<i>Fulton Int.</i>	6:48P	7:28P	7:13P	7:19P	7:48P	...
B.W.I. Marshall Airport	LV 6:57P	LV 7:37P	LV 7:23P	LV 7:28P	LV 7:57P	...
<i>Grove Int.</i>	7:03P	7:43P	7:26P	7:32P	8:03P	...
<i>Bowie Int.</i>	7:07P	7:47P	7:30P	7:37P	8:07P	...
New Carrollton	D 7:12P	D 7:52P	7:33P	7:40P	D 8:12P	...
<i>Landover Int.</i>	7:14P	7:53P	7:34P	7:41P	8:14P	...
<i>CP Avenue</i>	7:26P	8:02P	7:42P	7:49P	8:26P	...
Washington - Arr	A 7:30P	A 8:05P	A 7:45P	A 7:52P	A 8:30P	...
Washington - Dep	...	...	...	...	...	...
<i>CP Virginia</i>	...	...	...	...	...	...

NEW YORK - PHILADELPHIA - WASHINGTON

	669 SaSu	193 M-F	□ 2119 M-F	□ 2225 Sun	135 SaSu	137 M-F
New York	LV 5:18P	LV 5:40P	S 6:00P	S 6:00P	LV 6:06P	LV 6:26P
<i>PSW (A tower)</i>	5:19P	5:41P	6:01P	6:01P	6:07P	6:27P
<i>Bergen Int.</i>	5:24P	5:46P	6:05P	6:05P	6:12P	6:32P
<i>Portal Int.</i>	5:28P	5:49P	6:08P	6:08P	6:15P	6:35P
<i>Hudson Int.</i>	5:30P	5:51P	6:11P	6:10P	6:18P	6:38P
Newark	R 5:34P	S 5:56P	R 6:14P	R 6:14P	LV 6:22P	LV 6:42P
<i>Hunter Int.</i>	5:37P	5:59P	6:16P	6:16P	6:25P	6:45P
Newark Airport Sta.	...	...	...	...	S 6:27P	S 6:47P
<i>Elmora Int.</i>	5:40P	6:02P	6:19P	6:19P	6:32P	6:52P
<i>Union Int.</i>	5:43P	6:05P	6:22P	6:22P	6:35P	6:56P
<i>Iselin Int.</i>	5:45P	6:07P	6:24P	6:26P	6:37P	6:59P
Metropark	...	...	...	S 6:29P	S 6:40P	S 7:01P
<i>Menlo Int.</i>	5:46P	6:08P	6:25P	6:30P	6:41P	7:02P
<i>Lincoln Int.</i>	5:48P	6:10P	6:26P	6:33P	6:43P	7:04P
New Brunswick	...	...	...	...	...	...
<i>County Int.</i>	5:52P	6:14P	6:29P	6:36P	6:47P	7:08P
<i>Midway Int.</i>	5:58P	6:20P	6:33P	6:40P	6:53P	7:14P
Princeton Jct.	...	...	...	...	...	...
<i>Ham Int.</i>	6:05P	6:27P	6:40P	6:47P	7:00P	7:21P
<i>Fair Int. (East)</i>	6:06P	6:28P	6:40P	6:47P	7:01P	7:22P
Trenton	S 6:08P	...	...	...	S 7:03P	S 7:24P
<i>Morris Int.</i>	6:10P	6:29P	6:41P	6:48P	7:05P	7:25P
<i>Grundy Int.</i>	6:14P	6:33P	6:45P	6:52P	7:09P	7:29P
Cornwells Hts.	...	L 6:39P	...	...	...	...
<i>Holmes Int.</i>	6:22P	6:44P	6:53P	6:58P	7:17P	7:38P
<i>Shore Int.</i>	6:26P	6:51P	6:56P	7:01P	7:21P	7:42P
North Phila.	...	...	...	...	...	...
<i>Lehigh Int.</i>	6:28P	6:54P	6:59P	7:04P	7:24P	7:45P
<i>Girard Int.</i>	6:32P	6:57P	7:02P	7:07P	7:27P	7:48P
Phila. 30th St. - Arr	S 6:36P	S* 7:00P	S 7:05P	S 7:10P	S 7:30P	S 7:51P
Phila. 30th St. - Dep	S 6:55P	S* 7:07P	S 7:07P	S 7:12P	S 7:33P	S 7:54P
<i>Phil Int.</i>	...	7:12P	7:10P	7:15P	7:38P	7:57P
<i>Baldwin Int.</i>	...	7:18P	7:14P	7:19P	7:43P	8:02P
<i>Hook Int.</i>	To	7:21P	7:17P	7:22P	7:46P	8:05P
<i>Holly Int.</i>	HAR	7:23P	7:19P	7:24P	7:48P	8:07P
<i>Landlith Int.</i>	...	7:26P	7:21P	7:27P	7:51P	8:10P
Wilmington	...	S* 7:30P	S 7:26P	S 7:31P	S 7:55P	S 8:14P
<i>Yard Int.</i>	...	7:32P	7:28P	7:33P	7:57P	8:16P
<i>Ragan Int.</i>	...	7:33P	7:29P	7:34P	7:58P	8:17P
<i>Davis Int.</i>	...	7:38P	7:35P	7:40P	8:03P	8:22P
Newark	...	S 7:40P	...	...	S 8:05P	...
<i>Bacon Int.</i>	...	7:48P	7:41P	7:46P	8:13P	8:29P
<i>Perry Int.</i>	...	7:52P	7:45P	7:50P	8:18P	8:34P
<i>Grace Int.</i>	...	7:54P	7:46P	7:51P	8:19P	8:35P
Aberdeen	...	S 7:58P	...	...	S 8:23P	...
<i>Bush Int.</i>	...	8:03P	7:51P	7:56P	8:30P	8:40P
<i>Wood Int.</i>	...	8:04P	7:53P	7:58P	8:32P	8:42P
<i>Gunpow Int.</i>	...	8:07P	7:55P	8:00P	8:34P	8:44P
<i>Biddle Int.</i>	...	8:16P	8:04P	8:10P	8:45P	8:55P
Baltimore - Arr	...	S 8:19P	S 8:07P	S 8:13P	S 8:48P	S 8:58P
Baltimore - Dep	...	S 8:21P	S 8:09P	S 8:15P	S 8:50P	S 9:00P
<i>Fulton Int.</i>	...	8:25P	8:13P	8:19P	8:54P	9:04P
B.W.I. Marshall Airport	...	LV 8:34P	LV 8:22P	LV 8:28P	LV 9:03P	LV 9:13P
<i>Grove Int.</i>	...	8:39P	8:26P	8:32P	9:08P	9:18P
<i>Bowie Int.</i>	...	8:43P	8:32P	8:37P	9:12P	9:22P
New Carrollton	...	D 8:48P	8:35P	8:40P	D 9:17P	D 9:27P
<i>Landover Int.</i>	...	8:50P	8:36P	8:41P	9:19P	9:29P
<i>CP Avenue</i>	...	9:01P	8:42P	8:49P	9:31P	9:41P
Washington - Arr	...	A 9:05P	A 8:45P	A 8:52P	A 9:35P	A 9:45P
Washington - Dep	...	...	...	...	...	...
<i>CP Virginia</i>	...	...	...	...	...	...

NEW YORK - PHILADELPHIA - WASHINGTON

	655 M-F	55 M-F	□ 2171 M-F	□ 2257 Sun	57 SaSu	175 M-F
New York	LV 6:36P	LV 6:46P	S 7:00P	S 7:00P	LV 7:02P	LV 7:41P
<i>PSW (A tower)</i>	6:37P	6:47P	7:01P	7:01P	7:03P	7:42P
<i>Bergen Int.</i>	6:42P	6:52P	7:05P	7:05P	7:08P	7:47P
<i>Portal Int.</i>	6:45P	6:55P	7:08P	7:08P	7:11P	7:52P
<i>Hudson Int.</i>	6:47P	6:59P	7:10P	7:10P	7:13P	7:54P
Newark	S 6:52P	S 7:03P	S 7:14P	S 7:14P	S 7:18P	LV 7:58P
<i>Hunter Int.</i>	6:55P	7:06P	7:16P	7:16P	7:22P	8:01P
Newark Airport Sta.	...	...	...	...	7:23P	S 8:03P
<i>Elmora Int.</i>	6:58P	7:09P	7:19P	7:19P	7:26P	8:08P
<i>Union Int.</i>	7:01P	7:12P	7:22P	7:22P	7:29P	8:11P
<i>Iselin Int.</i>	7:04P	7:14P	7:24P	7:26P	7:31P	8:13P
Metropark	...	...	...	S 7:29P	S 7:33P	S 8:16P
<i>Menlo Int.</i>	7:05P	7:15P	7:25P	7:30P	7:34P	8:17P
<i>Lincoln Int.</i>	7:08P	7:18P	7:26P	7:31P	7:36P	8:19P
New Brunswick	...	...	...	...	...	...
<i>County Int.</i>	7:12P	7:23P	7:29P	7:34P	7:40P	8:23P
<i>Midway Int.</i>	7:17P	7:27P	7:33P	7:40P	7:46P	8:29P
Princeton Jct.	...	...	...	...	...	...
<i>Ham Int.</i>	7:24P	7:35P	7:42P	7:47P	7:53P	8:36P
<i>Fair Int. (East)</i>	7:25P	7:36P	7:42P	7:47P	7:54P	8:37P
Trenton	S 7:28P	S 7:38P	...	...	S 7:57P	S 8:40P
<i>Morris Int.</i>	7:30P	7:40P	7:43P	7:48P	7:59P	8:42P
<i>Grundy Int.</i>	7:34P	7:44P	7:47P	7:52P	8:03P	8:46P
Cornwells Hts.	D 7:40P	...	...	...	...	...
<i>Holmes Int.</i>	7:45P	7:52P	7:53P	7:58P	8:12P	8:54P
<i>Shore Int.</i>	7:49P	7:56P	7:56P	8:01P	8:16P	8:58P
North Phila.	D 7:52P	...	...	...	...	...
<i>Lehigh Int.</i>	7:53P	7:59P	7:59P	8:04P	8:19P	9:01P
<i>Girard Int.</i>	7:56P	8:04P	8:02P	8:07P	8:22P	9:04P
Phila. 30th St. - Arr	S 8:00P	S 8:07P	S 8:05P	S 8:10P	S 8:25P	S 9:07P
Phila. 30th St. - Dep	S 8:15P	S 8:10P	S 8:07P	S 8:12P	S 8:28P	S 9:10P
<i>Phil Int.</i>	...	8:14P	8:10P	8:15P	8:33P	9:13P
<i>Baldwin Int.</i>	...	8:19P	8:14P	8:19P	8:38P	9:18P
<i>Hook Int.</i>	To	8:21P	8:17P	8:22P	8:41P	9:21P
<i>Holly Int.</i>	HAR	8:23P	8:19P	8:24P	8:43P	9:23P
<i>Landlith Int.</i>	...	8:27P	8:21P	8:27P	8:46P	9:26P
Wilmington	...	S 8:32P	S 8:26P	S 8:31P	S 8:49P	S 9:30P
<i>Yard Int.</i>	...	8:34P	8:28P	8:33P	8:51P	9:32P
<i>Ragan Int.</i>	...	8:35P	8:29P	8:34P	8:52P	9:34P
<i>Davis Int.</i>	...	8:41P	8:33P	8:40P	8:59P	9:39P
Newark	...	...	...	...	...	...
<i>Bacon Int.</i>	...	8:47P	8:39P	8:46P	9:05P	9:46P
<i>Perry Int.</i>	...	8:51P	8:43P	8:50P	9:09P	9:50P
<i>Grace Int.</i>	...	8:52P	8:44P	8:51P	9:10P	9:52P
Aberdeen	...	...	...	...	...	...
<i>Bush Int.</i>	...	8:57P	8:51P	8:56P	9:15P	9:57P
<i>Wood Int.</i>	...	8:59P	8:53P	8:58P	9:17P	9:58P
<i>Gunpow Int.</i>	...	9:01P	8:55P	9:00P	9:19P	10:00P
<i>Biddle Int.</i>	...	9:14P	9:04P	9:10P	9:32P	10:10P
Baltimore - Arr	...	S 9:16P	S 9:07P	S 9:13P	S 9:34P	S 10:13P
Baltimore - Dep	...	S 9:20P	S 9:09P	S 9:15P	S 9:36P	S 10:15P
<i>Fulton Int.</i>	...	9:24P	9:13P	9:19P	9:40P	10:20P
B.W.I. Marshall Airport	...	...	LV 9:22P	LV 9:27P	LV 9:49P	LV 10:29P
<i>Grove Int.</i>	...	9:33P	9:25P	9:32P	9:54P	10:34P
<i>Bowie Int.</i>	...	9:37P	9:30P	9:36P	9:58P	10:38P
New Carrollton	...	D 9:44P	9:33P	9:40P	D 10:03P	D 10:43P
<i>Landover Int.</i>	...	9:45P	9:34P	9:41P	10:04P	10:45P
<i>CP Avenue</i>	...	9:56P	9:44P	9:49P	10:22P	10:56P
Washington - Arr	...	A 9:59P	A 9:47P	A 9:52P	A 10:25P	A 11:00P
Washington - Dep	...	...	...	...	...	...
<i>CP Virginia</i>	...	...	...	...	...	...

NEW YORK - PHILADELPHIA - WASHINGTON

	671 SaSu	2259 Sun	165 SaSu	2173 M-F	123 Sun	167 Sat
New York	LV 7:54P	S 8:00P	LV 8:02P	S 8:20P	LV 9:06P	LV 9:06P
<i>PSW (A tower)</i>	7:55P	8:01P	8:03P	8:21P	9:07P	9:07P
<i>Bergen Int.</i>	8:00P	8:05P	8:08P	8:25P	9:12P	9:12P
<i>Portal Int.</i>	8:03P	8:08P	8:11P	8:28P	9:15P	9:15P
<i>Hudson Int.</i>	8:05P	8:10P	8:14P	8:30P	9:18P	9:18P
Newark	R 8:09P	S 8:14P	LV 8:18P	S 8:34P	LV 9:22P	LV 9:22P
<i>Hunter Int.</i>	8:11P	8:16P	8:21P	8:36P	9:25P	9:25P
Newark Airport Sta.	...	...	S 8:23P	...	S 9:27P	S 9:27P
<i>Elmora Int.</i>	8:14P	8:19P	8:28P	8:39P	9:32P	9:32P
<i>Union Int.</i>	8:17P	8:21P	8:31P	8:43P	9:35P	9:35P
<i>Iselin Int.</i>	8:19P	8:26P	8:34P	8:45P	9:37P	9:37P
Metropark	...	S 8:29P	S 8:36P	...	S 9:40P	S 9:40P
<i>Menlo Int.</i>	8:20P	8:30P	8:37P	8:46P	9:41P	9:41P
<i>Lincoln Int.</i>	8:22P	8:33P	8:39P	8:47P	9:43P	9:43P
New Brunswick	...	...	...	...	...	...
<i>County Int.</i>	8:26P	8:36P	8:43P	8:50P	9:47P	9:47P
<i>Midway Int.</i>	8:32P	8:40P	8:49P	8:54P	9:53P	9:53P
Princeton Jct.	...	...	...	...	...	...
<i>Ham Int.</i>	8:39P	8:47P	8:56P	9:01P	10:00P	10:00P
<i>Fair Int. (East)</i>	8:40P	8:47P	8:57P	9:01P	10:01P	10:01P
Trenton	S 8:43P	...	S 8:59P	...	S 10:03P	S 10:03P
<i>Morris Int.</i>	8:45P	8:48P	9:01P	9:02P	10:05P	10:05P
<i>Grundy Int.</i>	8:51P	8:52P	9:05P	9:06P	10:09P	10:09P
Cornwells Hts.	...	...	...	...	...	...
<i>Holmes Int.</i>	8:59P	8:58P	9:13P	9:14P	10:17P	10:17P
<i>Shore Int.</i>	9:04P	9:01P	9:17P	9:17P	10:21P	10:21P
North Phila.	...	...	...	...	...	...
<i>Lehigh Int.</i>	9:06P	9:04P	9:20P	9:20P	10:24P	10:24P
<i>Girard Int.</i>	9:11P	9:07P	9:23P	9:23P	10:27P	10:27P
Phila. 30th St. - Arr	S 9:15P	S 9:10P	S 9:26P	S 9:26P	S 10:30P	S 10:30P
Phila. 30th St. - Dep	S 9:45P	S 9:12P	S 9:29P	S 9:28P	S 10:33P	S 10:33P
<i>Phil Int.</i>	...	9:15P	9:34P	9:31P	10:38P	10:38P
<i>Baldwin Int.</i>	...	9:19P	9:39P	9:35P	10:43P	10:43P
<i>Hook Int.</i>	To	9:22P	9:42P	9:38P	10:46P	10:46P
<i>Holly Int.</i>	HAR	9:24P	9:44P	9:40P	10:48P	10:48P
<i>Landlith Int.</i>	...	9:27P	9:47P	9:42P	10:51P	10:51P
Wilmington	...	S 9:31P	S 9:51P	S 9:47P	S 10:55P	S 10:55P
<i>Yard Int.</i>	...	9:33P	9:53P	9:49P	10:57P	10:57P
<i>Ragan Int.</i>	...	9:34P	9:54P	9:50P	10:58P	10:58P
<i>Davis Int.</i>	...	9:40P	10:01P	9:54P	11:03P	11:03P
Newark	...	...	...	...	...	...
<i>Bacon Int.</i>	...	9:46P	10:08P	10:00P	11:12P	11:12P
<i>Perry Int.</i>	...	9:50P	10:13P	10:04P	11:17P	11:17P
<i>Grace Int.</i>	...	9:51P	10:14P	10:05P	11:18P	11:18P
Aberdeen	...	...	...	...	...	...
<i>Bush Int.</i>	...	9:56P	10:19P	10:12P	11:23P	11:23P
<i>Wood Int.</i>	...	9:58P	10:21P	10:14P	11:25P	11:25P
<i>Gunpow Int.</i>	...	10:00P	10:23P	10:16P	11:27P	11:27P
<i>Biddle Int.</i>	...	10:10P	10:34P	10:25P	11:38P	11:38P
Baltimore - Arr	...	S 10:13P	S 10:37P	S 10:28P	S 11:41P	S 11:41P
Baltimore - Dep	...	S 10:15P	S 10:39P	S 10:30P	S 11:43P	S 11:43P
<i>Fulton Int.</i>	...	10:19P	10:44P	10:34P	11:47P	11:47P
B.W.I. Marshall Airport	...	LV 10:27P	LV 10:52P	LV 10:43P	LV 11:56P	LV 11:56P
<i>Grove Int.</i>	...	10:32P	10:58P	10:47P	12:02A	12:02A
<i>Bowie Int.</i>	...	10:36P	11:02P	10:51P	12:06A	12:06A
New Carrollton	...	10:40P	D 11:07P	10:54P	D 12:11A	D 12:11A
<i>Landover Int.</i>	...	10:41P	11:09P	10:55P	12:13A	12:13A
<i>CP Avenue</i>	...	10:49P	11:21P	11:07P	12:25A	12:25A
Washington - Arr	...	A 10:52P	A 11:25P	A 11:10P	A 12:29A	A 12:29A
Washington - Dep	...	...	...	...	...	...
<i>CP Virginia</i>	...	...	...	...	...	...

NEW YORK - PHILADELPHIA - WASHINGTON

	□ 2175 M-F	187 M-F	177 M-F	139 Sun	169 SaSu	639 M-F	637 Sun
New York	S 9:15P	LV 9:21P	LV 10:06P	LV 10:06P	LV 11:06P	LV 11:16P	LV 11:59P
<i>PSW (A tower)</i>	9:16P	9:22P	10:07P	10:07P	11:07P	11:17P	12:00P
<i>Bergen Int.</i>	9:20P	9:27P	10:12P	10:12P	11:12P	11:22P	12:05A
<i>Portal Int.</i>	9:23P	9:30P	10:15P	10:15P	11:15P	11:25P	12:08A
<i>Hudson Int.</i>	9:25P	9:33P	10:18P	10:18P	11:18P	11:28P	12:11A
Newark	S 9:29P	LV 9:37P	LV 10:22P	LV 10:22P	LV 11:22P	S 11:32P	LV 12:15A
<i>Hunter Int.</i>	9:31P	9:40P	10:25P	10:25P	11:25P	11:34P	12:17A
Newark Airport Sta.	...	...	...	S 10:27P	...	S 11:37P	...
<i>Elmora Int.</i>	9:34P	9:43P	10:30P	10:32P	11:28P	11:41P	12:20A
<i>Union Int.</i>	9:37P	9:47P	10:33P	10:35P	11:32P	11:44P	12:23A
<i>Iselin Int.</i>	9:39P	9:50P	10:35P	10:37P	11:34P	11:46P	12:25A
Metropark	...	LV 9:52P	S 10:38P	S 10:40P	S 11:36P	S 11:48P	S 12:27A
<i>Menlo Int.</i>	9:40P	9:53P	10:39P	10:41P	11:37P	11:49P	12:28A
<i>Lincoln Int.</i>	9:41P	9:55P	10:41P	10:43P	11:39P	11:51P	12:30A
New Brunswick	...	...	...	...	...	...	...
<i>County Int.</i>	9:44P	9:59P	10:45P	10:47P	11:43P	11:55P	12:34A
<i>Midway Int.</i>	9:48P	10:05P	10:51P	10:53P	11:49P	12:01A	12:40A
Princeton Jct.	...	...	...	...	...	...	...
<i>Ham Int.</i>	9:55P	10:12P	10:58P	11:00P	11:56P	12:08A	12:47A
<i>Fair Int. (East)</i>	9:55P	10:13P	10:59P	11:01P	11:57P	12:09A	12:48A
Trenton	...	LV 10:15P	S 11:01P	S 11:03P	LV 11:59P	S 12:11A	S 12:50A
<i>Morris Int.</i>	9:56P	10:17P	11:03P	11:05P	12:01A	12:13A	12:52A
<i>Grundy Int.</i>	10:00P	10:21P	11:07P	11:09P	12:05A	12:19A	12:56A
Cornwells Hts.	...	...	...	...	...	...	...
<i>Holmes Int.</i>	10:09P	10:29P	11:15P	11:17P	12:15A	12:27A	1:04A
<i>Shore Int.</i>	10:12P	10:33P	11:19P	11:21P	12:19A	12:31A	1:10A
North Phila.	...	...	...	...	...	...	...
<i>Lehigh Int.</i>	10:15P	10:36P	11:22P	11:24P	12:22A	12:33A	1:12A
<i>Girard Int.</i>	10:18P	10:39P	11:25P	11:27P	12:25A	12:37A	1:16A
Phila. 30th St. - Arr	S 10:21P	S 10:42P	S 11:28P	S 11:30P	S 12:28A	A 12:40A	A 1:20A
Phila. 30th St. - Dep	S 10:23P	S 10:45P	S 11:30P	S 11:33P	S 12:30A	...	...
<i>Phil Int.</i>	10:26P	10:49P	11:35P	11:38P	12:35A	...	...
<i>Baldwin Int.</i>	10:30P	10:54P	11:40P	11:43P	12:40A	...	...
<i>Hook Int.</i>	10:33P	10:57P	11:43P	11:46P	12:43A	...	...
<i>Holly Int.</i>	10:35P	10:59P	11:45P	11:48P	12:45A	...	...
<i>Landlith Int.</i>	10:37P	11:02P	11:48P	11:51P	12:48A	...	...
Wilmington	S 10:42P	S 11:05P	S 11:51P	S 11:55P	S 12:51A	...	...
<i>Yard Int.</i>	10:44P	11:07P	11:53P	11:57P	12:53A	...	...
<i>Ragan Int.</i>	10:45P	11:08P	11:54P	11:58P	12:54A	...	...
<i>Davis Int.</i>	10:49P	11:13P	11:59P	12:03A	12:59A	...	...
Newark	...	...	...	...	...	...	...
<i>Bacon Int.</i>	10:55P	11:22P	12:08A	12:12A	1:08A	...	...
<i>Perry Int.</i>	10:59P	11:27P	12:13A	12:17A	1:13A	...	...
<i>Grace Int.</i>	11:00P	11:28P	12:14A	12:18A	1:14A	...	...
Aberdeen	...	...	...	...	...	...	...
<i>Bush Int.</i>	11:05P	11:33P	12:19A	12:23A	1:19A	...	...
<i>Wood Int.</i>	11:07P	11:35P	12:21A	12:25A	1:21A	...	...
<i>Gunpow Int.</i>	11:09P	11:37P	12:23A	12:27A	1:23A	...	...
<i>Biddle Int.</i>	11:21P	11:46P	12:35A	12:38A	1:35A	...	...
Baltimore - Arr	S 11:24P	S 11:49P	S 12:38A	S 12:41A	S 1:38A	...	...
Baltimore - Dep	S 11:26P	S 11:51P	S 12:40A	S 12:43A	S 1:40A	...	...
<i>Fulton Int.</i>	11:30P	11:55P	12:44A	12:47A	1:44A	...	...
B.W.I. Airport	11:35P	LV 12:04A	LV 12:53A	LV 12:56A	LV 1:53A	...	...
<i>Grove Int.</i>	11:38P	12:09A	1:00A	1:02A	1:59A	...	...
<i>Bowie Int.</i>	11:43P	12:13A	1:07A	1:06A	2:03A	...	...
New Carrollton	11:46P	D 12:18A	D 1:15A	D 1:11A	2:07A	...	...
<i>Landover Int.</i>	11:47P	12:20A	1:17A	1:13A	2:08A	...	...
<i>CP Avenue</i>	11:56P	12:31A	1:21A	1:25A	2:21A	...	...
Washington - Arr	A 11:59P	A 12:35A	A 1:25A	A 1:29A	A 2:25A	...	...
Washington - Dep	...	...	...	...	...	...	...
<i>CP Virginia</i>	...	...	...	...	...	...	...

WASHINGTON - PHILADELPHIA - NEW YORK

	150 SaSu	190 M-F	110 M-F	170 M-F	□ 2150 M-F	640 M-F
<i>CP Virginia</i>	...	...	...	...	...	...
Washington - Arr						...
Washington - Dep	S 3:15A	S 3:15A	S 4:00A	S 4:52A	S 5:00A	...
<i>CP Avenue</i>	3:19A	3:20A	4:03A	4:56A	5:03A	...
<i>Landover Int.</i>	3:23A	3:24A	4:07A	5:00A	5:07A	...
New Carrollton	3:24A	3:25A	LV 4:10A	LV 5:03A	5:08A	...
<i>Bowie Int.</i>	3:28A	3:29A	4:15A	5:09A	5:11A	...
<i>Grove Int.</i>	3:32A	3:33A	4:19A	5:14A	5:15A	...
B.W.I. Marshall Airport	S 3:38A	S 3:39A	S 4:25A	S 5:20A	...	...
<i>Bridge Int.</i>	3:46A	3:46A	4:33A	5:27A	5:23A	...
<i>Fulton Int.</i>	3:47A	3:47A	4:34A	5:28A	5:24A	...
Baltimore - Arr	S 3:52A	S 3:52A	S 4:39A	S 5:33A	S 5:29A	...
Baltimore - Dep	S 3:54A	S 3:54A	S 4:41A	S 5:35A	S 5:30A	...
<i>Biddle Int.</i>	3:57A	3:57A	4:43A	5:38A	5:32A	...
<i>Gunpow Int.</i>	4:08A	4:08A	4:52A	5:47A	5:41A	...
<i>Wood Int.</i>	4:10A	4:10A	4:54A	5:49A	5:43A	...
<i>Bush Int.</i>	4:12A	4:12A	4:56A	5:51A	5:45A	...
Aberdeen	S 4:19A	S 4:19A	4:59A	...	...	...
<i>Grace Int.</i>	4:22A	4:22A	5:03A	5:56A	5:50A	...
<i>Perry Int.</i>	4:24A	4:24A	5:04A	5:58A	5:51A	...
<i>Bacon Int.</i>	4:29A	4:29A	5:09A	6:02A	5:56A	...
Newark	...	...	...	...	...	...
<i>Davis Int.</i>	4:39A	4:39A	5:16A	6:09A	6:01A	...
<i>Ragan Int.</i>	4:44A	4:44A	5:20A	6:14A	6:06A	...
<i>Yard Int.</i>	4:45A	4:45A	5:21A	6:15A	6:07A	...
Wilmington	S 4:50A	S 4:50A	S 5:26A	S 6:20A	S 6:11A	...
<i>Landlith Int.</i>	4:52A	4:52A	5:28A	6:22A	6:13A	...
<i>Holly Int.</i>	4:56A	4:56A	5:32A	6:26A	6:15A	From HAR
<i>Hook Int.</i>	4:58A	4:58A	5:34A	6:28A	6:17A	...
<i>Baldwin Int.</i>	5:01A	5:01A	5:37A	6:31A	6:20A	...
<i>Phil Int.</i>	5:06A	5:05A	5:42A	6:36A	6:24A	...
Phila. 30th St. - Arr	S 5:10A	S 5:10A	S 5:46A	S 6:41A	S 6:28A	S 6:45A
Phila. 30th St. - Dep	S 5:15A	S 5:15A	S 5:49A	S 6:46A	S 6:30A	S 7:00A
<i>Mantua Int.</i>	5:19A	5:19A	5:53A	6:51A	6:34A	7:04A
<i>Lehigh Int.</i>	5:21A	5:21A	5:55A	6:53A	6:36A	7:06A
North Phila.	5:21A	5:21A	S 5:57A	6:53A	6:36A	S 7:08A
<i>Shore Int.</i>	5:24A	5:24A	5:59A	6:56A	6:39A	7:11A
<i>Holmes Int.</i>	5:31A	5:31A	6:06A	7:03A	6:45A	7:17A
Cornwells Hts.	...	...	S* 6:12A	...	...	LV 7:23A
<i>Grundy Int.</i>	5:37A	5:37A	6:17A	7:09A	6:51A	7:28A
<i>Morris Int.</i>	5:41A	5:41A	6:22A	7:13A	6:54A	7:33A
Trenton	LV 5:45A	LV 5:45A	LV 6:27A	LV 7:17A	...	LV 7:37A
<i>Fair Int. (East)</i>	5:46A	5:46A	6:27A	7:18A	6:55A	7:37A
<i>Ham Int.</i>	5:47A	5:47A	6:28A	7:19A	6:55A	7:38A
Princeton Jct.	...	...	...	...	...	...
<i>Midway Int.</i>	5:55A	5:55A	6:35A	7:27A	7:02A	7:45A
<i>County Int.</i>	5:59A	5:59A	6:39A	7:32A	7:06A	7:49A
New Brunswick	...	...	...	...	...	...
<i>Lincoln Int.</i>	6:02A	6:02A	6:43A	7:36A	7:10A	7:53A
<i>Menlo Int.</i>	6:05A	6:05A	6:46A	7:38A	7:11A	7:55A
Metropark	...	...	...	...	...	...
<i>Iselin Int.</i>	6:06A	6:06A	6:47A	7:39A	7:12A	7:56A
<i>Union Int.</i>	6:08A	6:08A	6:49A	7:41A	7:13A	7:58A
<i>Elmora Int.</i>	6:11A	6:11A	6:53A	7:45A	7:16A	8:01A
Newark Airport Sta.	S 6:16A	S 6:16A	...	...	...	...
<i>Hunter Int.</i>	6:17A	6:17A	6:58A	7:50A	7:20A	8:06A
Newark	S 6:22A	S 6:22A	L 7:02A	S 7:55A	S 7:25A	L 8:10A
<i>Hudson Int.</i>	6:25A	6:25A	7:05A	7:58A	7:27A	8:13A
<i>Portal Int.</i>	6:27A	6:27A	7:07A	8:00A	7:30A	8:15A
<i>Bergen Int.</i>	6:30A	6:30A	7:10A	8:03A	7:32A	8:18A
<i>PSW (A Tower)</i>	6:39A	6:39A	7:19A	8:12A	7:41A	8:27A
New York - Arr	S 6:40A	S 6:40A	A 7:20A	S 8:13A	S 7:42A	A 8:28A

WASHINGTON - PHILADELPHIA - NEW YORK

	160 SaSu	180 M-F	□ 2100 M-F	162 SaSu	130 M-F	□ 2154 M-F
<i>CP Virginia</i>	...	...	...	...	...	...
Washington - Arr						
Washington - Dep	S 5:25A	S 5:30A	S 6:00A	S 6:20A	S 6:30A	S 7:00A
<i>CP Avenue</i>	5:29A	5:34A	6:03A	6:24A	6:35A	7:03A
<i>Landover Int.</i>	5:33A	5:38A	6:07A	6:28A	6:39A	7:07A
New Carrollton	LV 5:37A	LV 5:42A	6:08A	LV 6:32A	LV 6:42A	7:08A
<i>Bowie Int.</i>	5:42A	5:47A	6:11A	6:37A	6:47A	7:11A
<i>Grove Int.</i>	5:46A	5:51A	6:15A	6:41A	6:51A	7:15A
B.W.I. Marshall Airport	S 5:52A	S 5:57A	S 6:21A	S 6:47A	S 6:57A	S 7:21A
<i>Bridge Int.</i>	6:01A	6:05A	6:27A	6:56A	7:05A	7:27A
<i>Fulton Int.</i>	6:02A	6:06A	6:28A	6:57A	7:07A	7:28A
Baltimore - Arr	S 6:07A	S 6:11A	S 6:32A	S 7:02A	S 7:12A	S 7:32A
Baltimore - Dep	S 6:09A	S 6:13A	S 6:34A	S 7:04A	S 7:14A	S 7:34A
<i>Biddle Int.</i>	6:12A	6:16A	6:37A	7:07A	7:17A	7:36A
<i>Gunpow Int.</i>	6:21A	6:25A	6:46A	7:16A	7:27A	7:46A
<i>Wood Int.</i>	6:23A	6:27A	6:48A	7:18A	7:28A	7:48A
<i>Bush Int.</i>	6:25A	6:29A	6:50A	7:20A	7:31A	7:50A
Aberdeen	...	S 6:35A	...	S 7:28A	S 7:37A	...
<i>Grace Int.</i>	6:32A	6:38A	6:55A	7:31A	7:40A	7:55A
<i>Perry Int.</i>	6:34A	6:39A	6:56A	7:32A	7:41A	7:56A
<i>Bacon Int.</i>	6:38A	6:44A	7:01A	7:39A	7:46A	8:01A
Newark	...	...	...	...	...	...
<i>Davis Int.</i>	6:45A	6:50A	7:06A	7:45A	7:52A	8:06A
<i>Ragan Int.</i>	6:50A	6:55A	7:11A	7:50A	7:57A	8:11A
<i>Yard Int.</i>	6:51A	6:56A	7:12A	7:51A	7:58A	8:12A
Wilmington	S 6:56A	S 7:01A	S 7:16A	S 7:56A	S 8:03A	S 8:16A
<i>Landlith Int.</i>	6:58A	7:03A	7:18A	7:58A	8:05A	8:18A
<i>Holly Int.</i>	7:02A	7:07A	7:20A	8:02A	8:09A	8:20A
<i>Hook Int.</i>	7:04A	7:09A	7:22A	8:04A	8:11A	8:22A
<i>Baldwin Int.</i>	7:07A	7:12A	7:25A	8:07A	8:14A	8:25A
<i>Phil Int.</i>	7:11A	7:16A	7:29A	8:11A	8:18A	8:29A
Phila. 30th St. - Arr	S 7:16A	S 7:21A	S 7:33A	S 8:16A	S 8:23A	S 8:33A
Phila. 30th St. - Dep	S 7:19A	S 7:24A	S 7:35A	S 8:19A	S 8:28A	S 8:35A
<i>Mantua Int.</i>	7:23A	7:28A	7:39A	8:23A	8:32A	8:39A
<i>Lehigh Int.</i>	7:25A	7:30A	7:41A	8:25A	8:34A	8:41A
North Phila.	7:25A	7:30A	7:41A	8:25A	8:35A	8:41A
<i>Shore Int.</i>	7:28A	7:33A	7:44A	8:28A	8:37A	8:44A
<i>Holmes Int.</i>	7:34A	7:40A	7:50A	8:34A	8:45A	8:50A
Cornwells Hts.	...	...	...	...	...	...
<i>Grundy Int.</i>	7:40A	7:46A	7:56A	8:40A	8:52A	8:56A
<i>Morris Int.</i>	7:44A	7:50A	7:59A	8:44A	8:55A	8:59A
Trenton	LV 7:48A	...	...	LV 8:48A	LV 9:01A	...
<i>Fair Int. (East)</i>	7:49A	7:51A	8:00A	8:49A	9:02A	9:00A
<i>Ham Int.</i>	7:50A	7:52A	8:00A	8:50A	9:04A	9:00A
Princeton Jct.	...	...	...	...	...	...
<i>Midway Int.</i>	7:58A	8:00A	8:07A	8:58A	9:13A	9:07A
<i>County Int.</i>	8:02A	8:04A	8:11A	9:02A	9:17A	9:11A
New Brunswick	...	...	...	...	...	...
<i>Lincoln Int.</i>	8:05A	8:07A	8:15A	9:05A	9:20A	9:15A
<i>Menlo Int.</i>	8:07A	8:09A	8:16A	9:07A	9:22A	9:16A
Metropark	S 8:10A	...	...	S 9:09A	S 9:25A	...
<i>Iselin Int.</i>	8:11A	8:10A	8:17A	9:11A	9:26A	9:17A
<i>Union Int.</i>	8:13A	8:12A	8:18A	9:13A	9:28A	9:18A
<i>Elmora Int.</i>	8:16A	8:15A	8:21A	9:16A	9:31A	9:21A
Newark Airport Sta.	S 8:21A	...	...	...	S 9:36A	...
<i>Hunter Int.</i>	8:22A	8:19A	8:25A	9:20A	9:37A	9:25A
Newark	S 8:27A	D 8:24A	D 8:30A	S 9:24A	L 9:41A	S 9:30A
<i>Hudson Int.</i>	8:30A	8:27A	8:32A	9:27A	9:44A	9:32A
<i>Portal Int.</i>	8:32A	8:29A	8:35A	9:29A	9:46A	9:36A
<i>Bergen Int.</i>	8:35A	8:32A	8:37A	9:32A	9:49A	9:38A
<i>PSW (A Tower)</i>	8:44A	8:41A	8:45A	9:41A	9:58A	9:46A
New York - Arr	S 8:45A	A 8:42A	A 8:46A	S 9:42A	A 9:59A	S 9:47A

WASHINGTON - PHILADELPHIA - NEW YORK

	172 M-F	54 SaSu	660 SaSu	◇ □ 98 Daily	□ 2104 M-F	642 M-F
<i>CP Virginia</i>	...	...	...	7:16A	...	...
Washington - Arr	...	...	...	D 7:21A	...	...
Washington - Dep	LV 7:26A	S 7:30A	...	D 7:41A	S 8:00A	...
<i>CP Avenue</i>	7:30A	7:33A	...	7:45A	8:03A	...
<i>Landover Int.</i>	7:34A	7:37A	...	7:50A	8:07A	...
New Carrollton	LV 7:38A	LV 7:40A	...	7:51A	8:08A	...
<i>Bowie Int.</i>	7:43A	7:45A	...	7:55A	8:11A	...
<i>Grove Int.</i>	7:47A	7:49A	...	8:01A	8:15A	...
B.W.I. Marshall Airport	S 7:53A	S 7:55A	...	...	S 8:21A	...
<i>Bridge Int.</i>	8:01A	8:04A	...	8:10A	8:27A	...
<i>Fulton Int.</i>	8:02A	8:05A	...	8:11A	8:28A	...
Baltimore - Arr	S 8:07A	S 8:10A	...	D 8:16A	S 8:32A	...
Baltimore - Dep	S 8:09A	S 8:12A	...	D 8:20A	S 8:34A	...
<i>Biddle Int.</i>	8:12A	8:14A	...	8:22A	8:37A	...
<i>Gunpow Int.</i>	8:22A	8:23A	...	8:33A	8:46A	...
<i>Wood Int.</i>	8:24A	8:25A	...	8:35A	8:48A	...
<i>Bush Int.</i>	8:26A	8:27A	...	8:37A	8:50A	...
Aberdeen	...	8:30A	...	...	...	...
<i>Grace Int.</i>	8:31A	8:32A	...	8:43A	8:55A	...
<i>Perry Int.</i>	8:33A	8:33A	...	8:45A	8:56A	...
<i>Bacon Int.</i>	8:37A	8:40A	...	8:50A	9:01A	...
Newark	...	...	...	...	...	...
<i>Davis Int.</i>	8:44A	8:46A	...	8:57A	9:06A	...
<i>Ragan Int.</i>	8:49A	8:51A	...	9:03A	9:11A	...
<i>Yard Int.</i>	8:50A	8:52A	...	9:04A	9:12A	...
Wilmington	S 8:55A	S 8:56A	...	D 9:11A	S 9:16A	...
<i>Landlith Int.</i>	8:57A	8:59A	...	9:13A	9:18A	...
<i>Holly Int.</i>	9:01A	9:03A	From	9:16A	9:20A	From
<i>Hook Int.</i>	9:03A	9:05A	HAR	9:18A	9:22A	HAR
<i>Baldwin Int.</i>	9:06A	9:08A	...	9:22A	9:25A	...
<i>Phil Int.</i>	9:10A	9:13A	...	9:27A	9:29A	...
Phila. 30th St. - Arr	S 9:15A	S 9:17A	S 9:05A	D 9:31A	S 9:33A	S 9:35A
Phila. 30th St. - Dep	S 9:18A	S 9:20A	S 9:23A	D 9:36A	S 9:35A	S 9:45A
<i>Mantua Int.</i>	9:22A	9:24A	9:24A	9:28A	9:39A	9:51A
<i>Lehigh Int.</i>	9:24A	9:26A	9:30A	9:44A	9:41A	9:53A
North Phila.	9:24A	9:27A	9:30A	9:45A	9:41A	9:53A
<i>Shore Int.</i>	9:27A	9:29A	9:33A	9:48A	9:44A	9:56A
<i>Holmes Int.</i>	9:33A	9:35A	9:39A	9:53A	9:50A	10:00A
Cornwells Hts.	...	...	...	...	...	...
<i>Grundy Int.</i>	9:39A	9:42A	9:45A	10:00A	9:56A	10:06A
<i>Morris Int.</i>	9:43A	9:45A	9:49A	10:04A	9:59A	10:10A
Trenton	LV 9:46A	LV 9:49A	LV 9:52A	D 10:08A	...	S 10:12A
<i>Fair Int. (East)</i>	9:47A	9:49A	9:52A	10:09A	10:00A	10:12A
<i>Ham Int.</i>	9:48A	9:50A	9:53A	10:10A	10:00A	10:13A
Princeton Jct.	...	...	S 10:00A	...	...	...
<i>Midway Int.</i>	9:56A	9:57A	10:05A	10:19A	10:07A	10:20A
<i>County Int.</i>	10:00A	10:01A	10:09A	10:24A	10:11A	10:25A
New Brunswick	...	...	...	...	...	...
<i>Lincoln Int.</i>	10:04A	10:05A	10:12A	10:29A	10:15A	10:29A
<i>Menlo Int.</i>	10:06A	10:07A	10:14A	10:34A	10:16A	10:31A
Metropark	S 10:08A	S 10:10A	...	...	...	...
<i>Iselin Int.</i>	10:10A	10:11A	10:16A	10:35A	10:17A	10:32A
<i>Union Int.</i>	10:13A	10:13A	10:18A	10:37A	10:18A	10:34A
<i>Elmora Int.</i>	10:16A	10:16A	10:21A	10:40A	10:21A	10:38A
Newark Airport Sta.	S 10:20A	...	L 10:25A	...	...	...
<i>Hunter Int.</i>	10:22A	10:20A	10:27A	10:43A	10:25A	10:42A
Newark	S 10:26A	S 10:25A	L 10:31A	D 10:48A	D 10:30A	L 10:46A
<i>Hudson Int.</i>	10:29A	10:28A	10:34A	10:51A	10:32A	10:49A
<i>Portal Int.</i>	10:31A	10:30A	10:36A	10:53A	10:35A	10:51A
<i>Bergen Int.</i>	10:34A	10:33A	10:39A	10:56A	10:37A	10:54A
<i>PSW (A Tower)</i>	10:43A	10:42A	10:48A	11:05A	10:45A	11:03A
New York - Arr	S 10:44A	S 10:43A	A 10:49A	A 11:06A*	A 10:46A	A 11:04A

NOTE: * Train 98 arrives New York 11:29A on Sat, Sun.

WASHINGTON - PHILADELPHIA - NEW YORK

	56 M-F	152 SaSu	662 Sat	86 M-F	□ 2158 M-F	□ 2250 SaSu
<i>CP Virginia</i>	...	...	...	8:06A	...	...
Washington - Arr	...	...	...	S 8:16A	...	...
Washington - Dep	S 8:10A	S 8:10A	...	S 8:40A	S 9:00A	S 9:00A
<i>CP Avenue</i>	8:13A	8:14A	...	8:44A	9:03A	9:03A
<i>Landover Int.</i>	8:17A	8:19A	...	8:48A	9:07A	9:07A
New Carrollton	LV 8:19A	LV 8:22A	...	LV 8:51A	9:08A	9:08A
<i>Bowie Int.</i>	8:25A	8:27A	...	8:56A	9:11A	9:11A
<i>Grove Int.</i>	8:29A	8:31A	...	9:00A	9:15A	9:15A
B.W.I. Marshall Airport	S 8:35A	S 8:37A	...	S 9:07A	S 9:21A	S 9:21A
<i>Bridge Int.</i>	8:42A	8:47A	...	9:15A	9:27A	9:27A
<i>Fulton Int.</i>	8:43A	8:48A	...	9:17A	9:28A	9:28A
Baltimore - Arr	S 8:48A	S 8:53A	...	S 9:21A	S 9:32A	S 9:32A
Baltimore - Dep	S 8:50A	S 8:54A	...	S 9:23A	S 9:34A	S 9:34A
<i>Biddle Int.</i>	8:52A	8:57A	...	9:26A	9:37A	9:37A
<i>Gunpow Int.</i>	9:03A	9:06A	...	9:37A	9:46A	9:46A
<i>Wood Int.</i>	9:05A	9:08A	...	9:39A	9:48A	9:50A
<i>Bush Int.</i>	9:07A	9:10A	...	9:41A	9:50A	9:52A
Aberdeen	...	9:13A	...	...	...	...
<i>Grace Int.</i>	9:12A	9:15A	...	9:46A	9:55A	9:57A
<i>Perry Int.</i>	9:13A	9:16A	...	9:48A	9:56A	9:58A
<i>Bacon Int.</i>	9:18A	9:21A	...	9:52A	10:01A	10:03A
Newark	...	S 9:32A	...	...	...	...
<i>Davis Int.</i>	9:25A	9:35A	...	9:59A	10:06A	10:08A
<i>Regan Int.</i>	9:30A	9:40A	...	10:04A	10:11A	10:13A
<i>Yard Int.</i>	9:31A	9:41A	...	10:05A	10:12A	10:14A
Wilmington	S 9:36A	S 9:46A	...	S 10:10A	S 10:16A	S 10:18A
<i>Landlith Int.</i>	9:39A	9:48A	...	10:12A	10:18A	10:20A
<i>Holly Int.</i>	9:42A	9:52A	From	10:17A	10:20A	10:22A
<i>Hook Int.</i>	9:44A	9:54A	HAR	10:19A	10:22A	10:24A
<i>Baldwin Int.</i>	9:47A	9:57A	...	10:22A	10:25A	10:27A
<i>Phil Int.</i>	9:52A	10:01A	...	10:26A	10:29A	10:31A
Phila. 30th St. - Arr	S 9:56A	S 10:06A	S 10:05A	S 10:31A	S 10:33A	S 10:35A
Phila. 30th St. - Dep	S 9:59A	S 10:12A	S 10:30A	S 10:38A	S 10:35A	S 10:37A
<i>Mantua Int.</i>	10:03A	10:16A	10:35A	10:42A	10:39A	10:41A
<i>Lehigh Int.</i>	10:05A	10:18A	10:37A	10:44A	10:41A	10:43A
North Phila.	10:06A	10:18A	10:37A	...	10:41A	10:43A
<i>Shore Int.</i>	10:08A	10:21A	10:42A	10:47A	10:44A	10:46A
<i>Holmes Int.</i>	10:15A	10:29A	10:46A	10:55A	10:50A	10:52A
Cornwells Hts.	...	...	...	...	...	...
<i>Grundy Int.</i>	10:21A	10:35A	10:52A	11:01A	10:56A	10:58A
<i>Morris Int.</i>	10:25A	10:39A	10:56A	11:05A	10:59A	11:01A
Trenton	LV 10:28A	LV 10:43A	S 11:00A	LV 11:09A	...	...
<i>Fair Int. (East)</i>	10:28A	10:44A	11:01A	11:10A	11:00A	11:02A
<i>Ham Int.</i>	10:29A	10:46A	11:03A	11:11A	11:00A	11:02A
Princeton Jct.	...	...	...	...	...	...
<i>Midway Int.</i>	10:36A	10:54A	11:12A	11:19A	11:07A	11:09A
<i>County Int.</i>	10:40A	10:58A	11:16A	11:23A	11:11A	11:13A
New Brunswick	...	...	...	...	...	...
<i>Lincoln Int.</i>	10:44A	11:01A	11:20A	11:26A	11:15A	11:17A
<i>Menlo Int.</i>	10:46A	11:03A	11:24A	11:28A	11:16A	11:18A
Metropark	...	S 11:06A	...	S 11:31A	...	S* 11:21A
<i>Iselin Int.</i>	10:47A	11:07A	11:25A	11:32A	11:17A	11:22A
<i>Union Int.</i>	10:50A	11:09A	11:27A	11:35A	11:18A	11:24A
<i>Elmora Int.</i>	10:53A	11:14A	11:30A	11:38A	11:21A	11:27A
Newark Airport Sta.	...	L 11:19A	...	...	...	...
<i>Hunter Int.</i>	10:58A	11:20A	11:34A	11:42A	11:25A	11:31A
Newark	S 11:03A	D 11:25A	L 11:39A	S 11:47A	S 11:30A	S 11:36A
<i>Hudson Int.</i>	11:06A	11:28A	11:42A	11:50A	11:32A	11:38A
<i>Portal Int.</i>	11:08A	11:32A	11:44A	11:52A	11:35A	11:41A
<i>Bergen Int.</i>	11:11A	11:35A	11:47A	11:55A	11:37A	11:43A
<i>PSW (A Tower)</i>	11:20A	11:44A	11:55A	12:04P	11:45A	11:51A
New York - Arr	S 11:21A	A 11:45A	A 11:56A	S 12:05P	S 11:46A	S 11:52A

WASHINGTON - PHILADELPHIA - NEW YORK

	644 M-F	184 M-F	164 SaSu	664 SaSu	□ 2160 M-F	□ 2208 Sun
<i>CP Virginia</i>	...	...	8:47A	...	...	...
Washington - Arr	...	...	S 9:00A	...	...	...
Washington - Dep	...	S 9:20A	S 9:25A	...	S 10:00A	S 10:00A
<i>CP Avenue</i>	...	9:24A	9:30A	...	10:03A	10:03A
<i>Landover Int.</i>	...	9:28A	9:34A	...	10:07A	10:07A
New Carrollton	...	LV 9:32A	LV 9:37A	...	10:08A	10:08A
<i>Bowie Int.</i>	...	9:37A	9:42A	...	10:11A	10:11A
<i>Grove Int.</i>	...	9:41A	9:46A	...	10:15A	10:15A
B.W.I. Marshall Airport	...	S 9:48A	S 9:52A	...	S 10:21A	S 10:21A
<i>Bridge Int.</i>	...	9:56A	10:02A	...	10:27A	10:27A
<i>Fulton Int.</i>	...	9:57A	10:03A	...	10:28A	10:28A
Baltimore - Arr	...	S 10:02A	S 10:07A	...	S 10:32A	S 10:32A
Baltimore - Dep	...	S 10:04A	S 10:10A	...	S 10:34A	S 10:34A
<i>Biddle Int.</i>	...	10:07A	10:13A	...	10:37A	10:37A
<i>Gunpow Int.</i>	...	10:16A	10:23A	...	10:46A	10:46A
<i>Wood Int.</i>	...	10:18A	10:24A	...	10:48A	10:50A
<i>Bush Int.</i>	...	10:20A	10:26A	...	10:50A	10:52A
Aberdeen	...	...	...	...	...	...
<i>Grace Int.</i>	...	10:26A	10:32A	...	10:55A	10:57A
<i>Perry Int.</i>	...	10:28A	10:33A	...	10:56A	10:58A
<i>Bacon Int.</i>	...	10:32A	10:38A	...	11:01A	11:03A
Newark	...	...	...	...	...	...
<i>Davis Int.</i>	...	10:39A	10:44A	...	11:06A	11:08A
<i>Ragan Int.</i>	...	10:44A	10:49A	...	11:11A	11:13A
<i>Yard Int.</i>	...	10:45A	10:50A	...	11:12A	11:14A
Wilmington	...	S 10:50A	S 10:56A	...	S 11:16A	S 11:18A
<i>Landlith Int.</i>	...	10:52A	10:58A	...	11:18A	11:20A
<i>Holly Int.</i>	From	10:58A	11:02A	From	11:20A	11:22A
<i>Hook Int.</i>	HAR	11:00A	11:04A	HAR	11:22A	11:24A
<i>Baldwin Int.</i>	...	11:03A	11:07A	...	11:25A	11:27A
<i>Phil Int.</i>	...	11:07A	11:11A	...	11:29A	11:31A
Phila. 30th St. - Arr	S 10:41A	S 11:12A	S 11:16A	S 11:10A	S 11:33A	S 11:35A
Phila. 30th St. - Dep	S 10:55A	S 11:15A	S 11:19A	S 11:25A	S 11:35A	S 11:37A
<i>Mantua Int.</i>	11:01A	11:19A	11:23A	11:30A	11:39A	11:41A
<i>Lehigh Int.</i>	11:03A	11:21A	11:25A	11:32A	11:41A	11:43A
North Phila.	11:03A	11:21A	11:25A	11:32A	11:41A	11:43A
<i>Shore Int.</i>	11:06A	11:24A	11:30A	11:35A	11:44A	11:46A
<i>Holmes Int.</i>	11:11A	11:32A	11:34A	11:41A	11:50A	11:52A
Cornwells Hts.	...	...	...	...	...	...
<i>Grundy Int.</i>	11:17A	11:38A	11:40A	11:47A	11:56A	11:58A
<i>Morris Int.</i>	11:21A	11:42A	11:44A	11:51A	11:59A	12:01P
Trenton	S 11:23A	LV 11:46A	LV 11:48A	LV 11:55A	...	...
<i>Fair Int. (East)</i>	11:23A	11:47A	11:49A	11:55A	12:00P	12:02P
<i>Ham Int.</i>	11:25A	11:48A	11:50A	11:56A	12:00P	12:02P
Princeton Jct.	...	...	...	...	...	...
<i>Midway Int.</i>	11:32A	11:56A	11:58A	12:03P	12:07P	12:09P
<i>County Int.</i>	11:36A	12:00P	12:02P	12:07P	12:11P	12:13P
New Brunswick	...	...	...	...	...	...
<i>Lincoln Int.</i>	11:39A	12:03P	12:05P	12:11P	12:15P	12:17P
<i>Merlo Int.</i>	11:41A	12:05P	12:07P	12:13P	12:16P	12:18P
Metropark	...	S 12:08P	S 12:10P	...	...	D 12:21P
<i>Iselin Int.</i>	11:44A	12:09P	12:11P	12:14P	12:17P	12:22P
<i>Union Int.</i>	11:46A	12:11P	12:15P	12:17P	12:18P	12:24P
<i>Elmora Int.</i>	11:49A	12:14P	12:18P	12:20P	12:21P	12:27P
Newark Airport Sta.	...	...	S 12:23P	...	...	...
<i>Hunter Int.</i>	11:53A	12:18P	12:24P	12:26P	12:25P	12:31P
Newark	L 11:57A	L 12:22P	S 12:29P	L 12:31P	S 12:30P	D 12:36P
<i>Hudson Int.</i>	12:00P	12:25P	12:32P	12:34P	12:32P	12:41P
<i>Portal Int.</i>	12:02P	12:27P	12:34P	12:36P	12:35P	12:44P
<i>Bergen Int.</i>	12:05P	12:30P	12:37P	12:39P	12:37P	12:46P
<i>PSW (A Tower)</i>	12:14P	12:39P	12:46P	12:48P	12:45P	12:54P
New York - Arr	A 12:15P	A 12:40P	S 12:47P	A 12:49P	S 12:46P	A 12:55P

WASHINGTON - PHILADELPHIA - NEW YORK

	646 M-F	◇ □ 20 Daily	174 M-F	82 Sat	154 Sun	□ 2110 M-F
<i>CP Virginia</i>	...	9:50A	9:39A	9:30A	...	...
Washington - Arr	...	D 9:53A	S 9:44A	S 9:44A	...	...
Washington - Dep	...	D 10:18A	S 10:20A	S 10:20A	S 10:20A	S 11:00A
<i>CP Avenue</i>	...	10:22A	10:25A	10:25A	10:25A	11:03A
<i>Landover Int.</i>	...	10:27A	10:29A	10:29A	10:29A	11:07A
New Carrollton	...	10:28A	LV 10:32A	LV 10:32A	LV 10:32A	11:08A
<i>Bowie Int.</i>	...	10:32A	10:37A	10:37A	10:37A	11:11A
<i>Grove Int.</i>	...	10:38A	10:41A	10:41A	10:41A	11:15A
B.W.I. Marshall Airport	...	...	S 10:47A	S 10:47A	S 10:47A	S 11:21A
<i>Bridge Int.</i>	...	10:48A	10:56A	10:56A	10:56A	11:27A
<i>Fulton Int.</i>	...	10:50A	10:57A	10:57A	10:57A	11:28A
Baltimore - Arr	...	D 10:55A	S 11:02A	S 11:02A	S 11:02A	S 11:32A
Baltimore - Dep	...	D 10:58A	S 11:04A	S 11:04A	S 11:04A	S 11:34A
<i>Biddle Int.</i>	...	11:00A	11:06A	11:07A	11:07A	11:36A
<i>Gunpow Int.</i>	...	11:11A	11:18A	11:16A	11:16A	11:46A
<i>Wood Int.</i>	...	11:13A	11:19A	11:18A	11:18A	11:48A
<i>Bush Int.</i>	...	11:15A	11:21A	11:20A	11:20A	11:50A
Aberdeen	...	...	...	S 11:28A	S 11:28A	...
<i>Grace Int.</i>	...	11:21A	11:27A	11:31A	11:31A	11:55A
<i>Perry Int.</i>	...	11:22A	11:28A	11:32A	11:32A	11:56A
<i>Bacon Int.</i>	...	11:28A	11:33A	11:37A	11:39A	12:01P
Newark	...	...	...	...	...	...
<i>Davis Int.</i>	...	11:35A	11:39A	11:43A	11:45A	12:06P
<i>Ragan Int.</i>	...	11:40A	11:45A	11:50A	11:50A	12:11P
<i>Yard Int.</i>	...	11:41A	11:46A	11:51A	11:51A	12:12P
Wilmington	...	D 11:47A	S 11:51A	S 11:56A	S 11:56A	S 12:16P
<i>Landlith Int.</i>	...	11:50A	11:53A	11:58A	11:58A	12:18P
<i>Holly Int.</i>	From	11:53A	11:58A	12:02P	12:02P	12:20P
<i>Hook Int.</i>	HAR	11:55A	12:00P	12:04P	12:04P	12:22P
<i>Baldwin Int.</i>	...	11:58A	12:03P	12:07P	12:07P	12:25P
<i>Phil Int.</i>	...	12:04P	12:07P	12:11P	12:11P	12:29P
Phila. 30th St. - Arr	S 11:35A	D 12:08P	S 12:12P	S 12:16P	S 12:16P	S 12:33P
Phila. 30th St. - Dep	S 11:45A	D 12:13P	S 12:16P	S 12:19P	S 12:19P	S 12:35P
<i>Mantua Int.</i>	11:51A	12:18P	12:20P	12:23P	12:23P	12:39P
<i>Lehigh Int.</i>	11:53A	12:20P	12:22P	12:25P	12:25P	12:41P
North Phila.	11:53A	12:21P	12:22P	12:25P	12:25P	12:41P
<i>Shore Int.</i>	11:56A	12:23P	12:25P	12:28P	12:28P	12:44P
<i>Holmes Int.</i>	12:00P	12:30P	12:33P	12:34P	12:34P	12:50P
Cornwells Hts.	...	...	...	...	...	...
<i>Grundy Int.</i>	12:06P	12:35P	12:39P	12:40P	12:40P	12:56P
<i>Morris Int.</i>	12:10P	12:39P	12:43P	12:44P	12:44P	12:59P
Trenton	S 12:13P	D 12:44P	LV 12:47P	LV 12:48P	LV 12:48P	...
<i>Fair Int. (East)</i>	12:13P	12:45P	12:48P	12:49P	12:49P	1:00P
<i>Ham Int.</i>	12:14P	12:46P	12:49P	12:50P	12:50P	1:00P
Princeton Jct.	...	...	...	...	...	...
<i>Midway Int.</i>	12:21P	12:55P	12:57P	12:58P	12:58P	1:07P
<i>County Int.</i>	12:25P	1:00P	1:01P	1:02P	1:02P	1:11P
New Brunswick	...	...	...	...	...	...
<i>Lincoln Int.</i>	12:29P	1:06P	1:04P	1:05P	1:05P	1:15P
<i>Menlo Int.</i>	12:31P	1:11P	1:06P	1:07P	1:07P	1:16P
Metropark	...	...	S 1:09P	S 1:10P	S 1:10P	...
<i>Iselin Int.</i>	12:32P	1:12P	1:10P	1:11P	1:11P	1:17P
<i>Union Int.</i>	12:36P	1:14P	1:12P	1:13P	1:13P	1:18P
<i>Elmora Int.</i>	12:39P	1:17P	1:15P	1:16P	1:16P	1:21P
Newark Airport Sta.	...	...	S 1:20P	S 1:22P	L 1:22P	...
<i>Hunter Int.</i>	12:43P	1:21P	1:21P	1:23P	1:23P	1:25P
Newark	L 12:47P	D 1:27P	S 1:24P	S 1:28P	L 1:28P	D 1:30P
<i>Hudson Int.</i>	12:50P	1:31P	1:29P	1:31P	1:31P	1:33P
<i>Portal Int.</i>	12:52P	1:33P	1:31P	1:33P	1:33P	1:36P
<i>Bergen Int.</i>	12:55P	1:36P	1:34P	1:36P	1:36P	1:38P
<i>PSW (A Tower)</i>	1:04P	1:45P	1:43P	1:45P	1:45P	1:46P
New York - Arr	A 1:05P	A 1:46P*	S 1:44P	S 1:46P	A 1:46P	A 1:47P

NOTE: * Train 20 arrives New York 1:48P on Sat, Sun.

WASHINGTON - PHILADELPHIA - NEW YORK

	☐ 2252 Sun	84 M-F	648 M-F	88 SaSu	☐ 2164 M-F	666 SaSu
<i>CP Virginia</i>	...	10:10A	...	10:44A	...	...
Washington - Arr	...	S 10:15A	...	S 10:55A	...	...
Washington - Dep	S 11:00A	S 11:02A	...	S 11:25A	S 12:00P	...
<i>CP Avenue</i>	11:03A	11:05A	...	11:30A	12:03P	...
<i>Landover Int.</i>	11:07A	11:09A	...	11:34A	12:07P	...
New Carrollton	11:08A	LV 11:12A	...	LV 11:37A	12:08P	...
<i>Bowie Int.</i>	11:11A	11:17A	...	11:42A	12:11P	...
<i>Grove Int.</i>	11:15A	11:21A	...	11:46A	12:15P	...
B.W.I. Marshall Airport	S 11:21A	S 11:27A	...	S 11:52A	...	...
<i>Bridge Int.</i>	11:27A	11:36A	...	12:01P	12:23P	...
<i>Fulton Int.</i>	11:28A	11:37A	...	12:02P	12:24P	...
Baltimore - Arr	S 11:32A	S 11:42A	...	S 12:07P	S 12:29P	...
Baltimore - Dep	S 11:34A	S 11:44A	...	S 12:09P	S 12:30P	...
<i>Biddle Int.</i>	11:37A	11:46A	...	11:12P	12:32P	...
<i>Gunpow Int.</i>	11:46A	11:58A	...	12:23P	12:41P	...
<i>Wood Int.</i>	11:50A	12:00P	...	12:25P	12:43P	...
<i>Bush Int.</i>	11:52A	12:01P	...	12:27P	12:45P	...
Aberdeen	...	...	...	...	...	...
<i>Grace Int.</i>	11:57A	12:07P	...	12:32P	12:50P	...
<i>Perry Int.</i>	11:58A	12:09P	...	12:34P	12:51P	...
<i>Bacon Int.</i>	12:03P	12:14P	...	12:38P	12:56P	...
Newark	...	...	...	...	...	...
<i>Davis Int.</i>	12:08P	12:20P	...	12:45P	1:01P	...
<i>Ragan Int.</i>	12:13P	12:24P	...	12:50P	1:06P	...
<i>Yard Int.</i>	12:14P	12:25P	...	12:51P	1:07P	...
Wilmington	S 12:18P	S 12:31P	...	S 12:56P	S 1:11P	...
<i>Landlith Int.</i>	12:20P	12:33P	...	12:58P	1:13P	...
<i>Holly Int.</i>	12:22P	12:37P	From	1:02P	1:15P	From
<i>Hook Int.</i>	12:24P	12:39P	HAR	1:04P	1:17P	HAR
<i>Baldwin Int.</i>	12:27P	12:42P	...	1:07P	1:20P	...
<i>Phil Int.</i>	12:31P	12:47P	...	1:11P	1:24P	...
Phila. 30th St. - Arr	S 12:35P	S 12:51P	S 12:43P	S 1:16P	S 1:28P	S 1:05P
Phila. 30th St. - Dep	S 12:37P	S 12:54P	S 1:00P	S 1:19P	S 1:30P	S 1:30P
<i>Mantua Int.</i>	12:41P	12:59P	1:06P	1:23P	1:34P	1:36P
<i>Lehigh Int.</i>	12:43P	1:01P	1:08P	1:25P	1:36P	1:38P
North Phila.	12:43P	1:01P	1:08P	1:25P	1:36P	1:38P
<i>Shore Int.</i>	12:46P	1:04P	1:11P	1:28P	1:39P	1:42P
<i>Holmes Int.</i>	12:52P	1:10P	1:15P	1:34P	1:45P	1:46P
Cornwells Hts.	...	...	...	...	...	...
<i>Grundy Int.</i>	12:58P	1:16P	1:21P	1:40P	1:51P	1:52P
<i>Morris Int.</i>	1:01P	1:20P	1:25P	1:44P	1:54P	1:56P
Trenton	...	LV 1:23P	S 1:27P	LV 1:48P	...	S 2:00P
<i>Fair Int. (East)</i>	1:02P	1:23P	1:28P	1:49P	1:55P	2:00P
<i>Ham Int.</i>	1:02P	1:24P	1:29P	1:50P	1:55P	2:02P
Princeton Jct.	...	...	...	...	...	...
<i>Midway Int.</i>	1:09P	1:31P	1:36P	1:58P	2:02P	2:11P
<i>County Int.</i>	1:13P	1:35P	1:40P	2:02P	2:06P	2:16P
New Brunswick	...	...	...	...	...	...
<i>Lincoln Int.</i>	1:17P	1:39P	1:44P	2:05P	2:10P	2:20P
<i>Menlo Int.</i>	1:18P	1:41P	1:47P	2:07P	2:11P	2:22P
Metropark	S* 1:21P	S 1:43P	...	S 2:10P	S* 2:14P	...
<i>Iselin Int.</i>	1:22P	1:45P	1:48P	2:11P	2:15P	2:24P
<i>Union Int.</i>	1:24P	1:47P	1:50P	2:13P	2:17P	2:28P
<i>Elmora Int.</i>	1:27P	1:50P	1:54P	2:16P	2:20P	2:31P
Newark Airport Sta.	...	...	...	S 2:22P	...	...
<i>Hunter Int.</i>	1:31P	1:55P	1:58P	2:23P	2:24P	2:35P
Newark	S 1:36P	S 1:59P	L 2:03P	S 2:28P	S 2:29P	L 2:39P
<i>Hudson Int.</i>	1:38P	2:02P	2:06P	2:31P	2:31P	2:44P
<i>Portal Int.</i>	1:41P	2:04P	2:09P	2:33P	2:34P	2:46P
<i>Bergen Int.</i>	1:43P	2:10P	2:12P	2:36P	2:36P	2:49P
<i>PSW (A Tower)</i>	1:51P	2:19P	2:21P	2:45P	2:44P	2:56P
New York - Arr	S 1:52P	A 2:20P	A 2:22P	S 2:46P	S 2:45P	A 2:57P

WASHINGTON - PHILADELPHIA - NEW YORK

	☐ 2212 SaSu	176 M-F	650 M-F	140 SaSu	☐ 2166 M-F	☐ 2254 Sun
<i>CP Virginia</i>	...	11:15A	...	...	...	...
Washington - Arr	...	S 11:20A	...	...	...	...
Washington - Dep	S 12:00P	S 12:02P	...	S 12:25P	S 1:00P	S 1:00P
<i>CP Avenue</i>	12:03P	12:06P	...	12:30P	1:03P	1:03P
<i>Landover Int.</i>	12:07P	12:10P	...	12:34P	1:07P	1:07P
New Carrollton	12:08P	LV 12:14P	...	LV 12:37P	1:08P	1:08P
<i>Bowie Int.</i>	12:11P	12:19P	...	12:42P	1:11P	1:11P
<i>Grove Int.</i>	12:15P	12:23P	...	12:46P	1:15P	1:15P
B.W.I. Marshall Airport	S 12:21P	S 12:29P	...	S 12:52P	...	S 1:21P
<i>Bridge Int.</i>	12:27P	12:37P	...	1:01P	1:23P	1:27P
<i>Fulton Int.</i>	12:28P	12:38P	...	1:02P	1:24P	1:28P
Baltimore - Arr	S 12:32P	S 12:43P	...	S 1:07P	S 1:29P	S 1:32P
Baltimore - Dep	S 12:34P	S 12:45P	...	S 1:09P	S 1:30P	S 1:34P
<i>Biddle Int.</i>	12:37P	12:48P	...	1:12P	1:32P	1:37P
<i>Gunpow Int.</i>	12:46P	12:57P	...	1:21P	1:41P	1:46P
<i>Wood Int.</i>	12:50P	12:59P	...	1:23P	1:43P	1:50P
<i>Bush Int.</i>	12:52P	1:01P	...	1:25P	1:45P	1:52P
Aberdeen	...	...	...	...	...	...
<i>Grace Int.</i>	12:57P	1:08P	...	1:30P	1:50P	1:57P
<i>Perry Int.</i>	12:58P	1:10P	...	1:32P	1:51P	1:58P
<i>Bacon Int.</i>	1:03P	1:14P	...	1:38P	1:56P	2:03P
Newark	...	...	...	...	...	...
<i>Davis Int.</i>	1:08P	1:21P	...	1:45P	2:01P	2:08P
<i>Ragan Int.</i>	1:13P	1:26P	...	1:50P	2:06P	2:13P
<i>Yard Int.</i>	1:14P	1:27P	...	1:51P	2:07P	2:14P
Wilmington	S 1:18P	S 1:32P	...	S 1:56P	S 2:11P	S 2:18P
<i>Landlith Int.</i>	1:20P	1:34P	...	1:58P	2:13P	2:20P
<i>Holly Int.</i>	1:22P	1:37P	From	2:02P	2:15P	2:22P
<i>Hook Int.</i>	1:24P	1:39P	HAR	2:04P	2:17P	2:24P
<i>Baldwin Int.</i>	1:27P	1:42P	...	2:07P	2:20P	2:27P
<i>Phil Int.</i>	1:31P	1:47P	...	2:11P	2:24P	2:31P
Phila. 30th St. - Arr	S 1:35P	S 1:52P	S 1:45P	S 2:16P	S 2:28P	S 2:35P
Phila. 30th St. - Dep	S 1:37P	S 1:55P	S 2:05P	S 2:19P	S 2:30P	S 2:37P
<i>Mantua Int.</i>	1:41P	1:59P	2:11P	2:23P	2:34P	2:41P
<i>Lehigh Int.</i>	1:43P	2:01P	2:13P	2:25P	2:36P	2:43P
North Phila.	1:43P	2:01P	2:13P	2:25P	2:36P	2:43P
<i>Shore Int.</i>	1:46P	2:04P	2:17P	2:28P	2:39P	2:46P
<i>Holmes Int.</i>	1:52P	2:11P	2:21P	2:34P	2:45P	2:52P
Cornwells Hts.	...	...	...	...	...	...
<i>Grundy Int.</i>	1:58P	2:17P	2:27P	2:40P	2:51P	2:58P
<i>Morris Int.</i>	2:01P	2:21P	2:31P	2:44P	2:54P	3:01P
Trenton	...	LV 2:25P	S 2:33P	LV 2:48P	...	...
<i>Fair Int. (East)</i>	2:02P	2:26P	2:33P	2:49P	2:55P	3:02P
<i>Ham Int.</i>	2:02P	2:27P	2:35P	2:50P	2:55P	3:02P
Princeton Jct.	...	...	...	...	...	...
<i>Midway Int.</i>	2:09P	2:35P	2:42P	2:58P	3:02P	3:09P
<i>County Int.</i>	2:13P	2:39P	2:46P	3:02P	3:06P	3:13P
New Brunswick	...	...	...	...	...	...
<i>Lincoln Int.</i>	2:17P	2:42P	2:50P	3:05P	3:10P	3:17P
<i>Menlo Int.</i>	2:18P	2:44P	2:52P	3:07P	3:11P	3:18P
Metropark	D 2:21P	S 2:47P	...	S 3:10P	S* 3:14P	S* 3:21P
<i>Iselin Int.</i>	2:22P	2:48P	2:53P	3:11P	3:15P	3:22P
<i>Union Int.</i>	2:24P	2:50P	2:57P	3:13P	3:17P	3:24P
<i>Elmora Int.</i>	2:27P	2:53P	3:00P	3:16P	3:20P	3:27P
Newark Airport Sta.	...	...	...	S 3:22P	...	...
<i>Hunter Int.</i>	2:31P	2:57P	3:03P	3:23P	3:24P	3:31P
Newark	D 2:36P	S 3:01P	L 3:08P	S 3:28P	S 3:29P	S 3:36P
<i>Hudson Int.</i>	2:41P	3:04P	3:11P	3:31P	3:31P	3:38P
<i>Portal Int.</i>	2:44P	3:06P	3:13P	3:33P	3:34P	3:41P
<i>Bergen Int.</i>	2:46P	3:09P	3:16P	3:36P	3:36P	3:43P
<i>PSW (A Tower)</i>	2:54P	3:18P	3:25P	3:45P	3:44P	3:51P
New York - Arr	A 2:55P	S 3:19P	A 3:26P	S 3:46P	S 3:45P	S 3:52P

WASHINGTON - PHILADELPHIA - NEW YORK

	186 M-F	194 SaSu	◇ 42 Daily	□ 2168 M-F	□ 2216 Sat	94 M-F
<i>CP Virginia</i>	...	12:04P	...	...	...	1:30P
Washington - Arr	...	\$ 12:19P	...	...	...	\$ 1:35P
Washington - Dep	S 1:02P	S 1:05P	...	S 2:00P	S 2:00P	S 2:02P
<i>CP Avenue</i>	1:06P	1:10P	...	2:03P	2:03P	2:06P
<i>Landover Int.</i>	1:10P	1:14P	...	2:07P	2:07P	2:10P
New Carrollton	LV 1:14P	LV 1:17P	...	2:08P	2:08P	LV 2:14P
<i>Bowie Int.</i>	1:19P	1:22P	...	2:11P	2:11P	2:19P
<i>Grove Int.</i>	1:23P	1:26P	...	2:15P	2:15P	2:23P
B.W.I. Marshall Airport	S 1:29P	S 1:32P	...	...	S 2:21P	S 2:30P
<i>Bridge Int.</i>	1:37P	1:42P	...	2:23P	2:27P	2:38P
<i>Fulton Int.</i>	1:38P	1:44P	...	2:24P	2:28P	2:39P
Baltimore - Arr	S 1:43P	S 1:49P	...	S 2:29P	S 2:32P	S 2:44P
Baltimore - Dep	S 1:45P	S 1:51P	...	S 2:30P	S 2:34P	S 2:46P
<i>Biddle Int.</i>	1:48P	1:54P	...	2:32P	2:37P	2:49P
<i>Gunpow Int.</i>	1:57P	2:03P	...	2:41P	2:46P	2:58P
<i>Wood Int.</i>	1:59P	2:05P	...	2:43P	2:50P	3:00P
<i>Bush Int.</i>	2:01P	2:07P	...	2:45P	2:52P	3:02P
Aberdeen	...	...	...	...	...	...
<i>Grace Int.</i>	2:07P	2:12P	...	2:50P	2:57P	3:10P
<i>Perry Int.</i>	2:09P	2:14P	...	2:51P	2:58P	3:12P
<i>Bacon Int.</i>	2:13P	2:18P	...	2:56P	3:03P	3:16P
Newark	S 2:24P	...	...	...	...	...
<i>Davis Int.</i>	2:25P	2:26P	...	3:01P	3:08P	3:23P
<i>Ragan Int.</i>	2:29P	2:31P	...	3:06P	3:13P	3:28P
<i>Yard Int.</i>	2:31P	2:32P	...	3:07P	3:14P	3:29P
Wilmington	S 2:36P	S 2:37P	...	S 3:11P	S 3:18P	S 3:34P
<i>Landlith Int.</i>	2:38P	2:39P	...	3:13P	3:20P	3:36P
<i>Holly Int.</i>	2:43P	2:43P	From	3:15P	3:22P	3:40P
<i>Hook Int.</i>	2:45P	2:45P	PGH	3:17P	3:24P	3:42P
<i>Baldwin Int.</i>	2:48P	2:48P	...	3:20P	3:27P	3:45P
<i>Phil Int.</i>	2:52P	2:52P	...	3:24P	3:31P	3:49P
Phila. 30th St. - Arr	S 2:57P	S 2:57P	S 2:55P	S 3:28P	S 3:35P	S 3:54P
Phila. 30th St. - Dep	S 3:00P	S 3:02P	S 3:25P	S 3:30P	S 3:37P	S 3:57P
<i>Mantua Int.</i>	3:04P	3:06P	3:30P	3:34P	3:41P	4:01P
<i>Lehigh Int.</i>	3:06P	3:08P	3:32P	3:36P	3:43P	4:03P
North Phila.	3:06P	3:08P	3:32P	3:36P	3:43P	4:03P
<i>Shore Int.</i>	3:09P	3:11P	3:35P	3:39P	3:46P	4:06P
<i>Holmes Int.</i>	3:16P	3:19P	3:42P	3:45P	3:52P	4:14P
Cornwells Hts.	...	...	...	...	...	...
<i>Grundy Int.</i>	3:23P	3:25P	3:48P	3:51P	3:58P	4:19P
<i>Morris Int.</i>	3:26P	3:29P	3:52P	3:54P	4:01P	4:23P
Trenton	LV 3:30P	LV 3:33P	S 3:56P	...	...	LV 4:27P
<i>Fair Int. (East)</i>	3:31P	3:34P	3:57P	3:55P	4:02P	4:28P
<i>Ham Int.</i>	3:32P	3:35P	3:58P	3:55P	4:02P	4:29P
Princeton Jct.	...	...	...	...	...	...
<i>Midway Int.</i>	3:41P	3:43P	4:06P	4:02P	4:09P	4:37P
<i>County Int.</i>	3:45P	3:47P	4:11P	4:06P	4:13P	4:41P
New Brunswick	...	...	...	...	...	...
<i>Lincoln Int.</i>	3:48P	3:50P	4:15P	4:10P	4:17P	4:44P
<i>Menlo Int.</i>	3:50P	3:52P	4:17P	4:11P	4:18P	4:46P
Metropark	S 3:53P	S 3:55P	...	S* 4:14P	D 4:21P	...
<i>Iselin Int.</i>	3:54P	3:56P	4:18P	4:15P	4:22P	4:47P
<i>Union Int.</i>	3:56P	3:58P	4:20P	4:17P	4:24P	4:50P
<i>Elmora Int.</i>	3:59P	4:01P	4:23P	4:20P	4:27P	4:53P
Newark Airport Sta.	L 4:04P	S 4:08P	...	...	...	S 4:58P
<i>Hunter Int.</i>	4:05P	4:09P	4:27P	4:24P	4:31P	4:59P
Newark	L 4:09P	S 4:15P	D 4:32P	S 4:29P	D 4:36P	S 5:04P
<i>Hudson Int.</i>	4:15P	4:18P	4:35P	4:31P	4:41P	5:07P
<i>Portal Int.</i>	4:17P	4:20P	4:37P	4:34P	4:44P	5:09P
<i>Bergen Int.</i>	4:20P	4:25P	4:40P	4:36P	4:46P	5:12P
<i>PSW (A Tower)</i>	4:29P	4:34P	4:49P	4:44P	4:54P	5:20P
New York - Arr	A 4:30P	S 4:35P	A 4:50P	S 4:45P	A 4:55P	S 5:21P

WASHINGTON - PHILADELPHIA - NEW YORK

	670 SaSu	156 SaSu	□ 2170 M-F	□ 2256 Sun	148 M-F	132 Sun
<i>CP Virginia</i>	...	1:30P	...	...	...	...
Washington - Arr	...	S 1:35P	...	...	...	...
Washington - Dep	...	S 2:20P	S 3:00P	S 3:00P	S 3:02P	S 3:25P
<i>CP Avenue</i>	...	2:25P	3:03P	3:03P	3:06P	3:30P
<i>Landover Int.</i>	...	2:29P	3:07P	3:07P	3:10P	3:34P
New Carrollton	...	LV 2:32P	3:08P	3:08P	LV 3:14P	LV 3:37P
<i>Bowie Int.</i>	...	2:37P	3:11P	3:11P	3:19P	3:42P
<i>Grove Int.</i>	...	2:41P	3:15P	3:15P	3:23P	3:46P
B.W.I. Marshall Airport	...	S 2:47P	S 3:21P	S 3:21P	S 3:29P	S 3:52P
<i>Bridge Int.</i>	...	2:56P	3:27P	3:28P	3:37P	4:02P
<i>Fulton Int.</i>	...	2:57P	3:28P	3:29P	3:38P	4:03P
Baltimore - Arr	...	S 3:02P	S 3:32P	S 3:33P	S 3:43P	S 4:08P
Baltimore - Dep	...	S 3:04P	S 3:34P	S 3:35P	S 3:45P	S 4:09P
<i>Biddle Int.</i>	...	3:07P	3:37P	3:37P	3:48P	4:12P
<i>Gunpow Int.</i>	...	3:18P	3:46P	3:46P	3:58P	4:21P
<i>Wood Int.</i>	...	3:20P	3:48P	3:50P	4:00P	4:23P
<i>Bush Int.</i>	...	3:22P	3:50P	3:52P	4:02P	4:25P
Aberdeen	...	3:25P	...	...	S 4:09P	...
<i>Grace Int.</i>	...	3:27P	3:55P	3:57P	4:12P	4:30P
<i>Perry Int.</i>	...	3:28P	3:56P	3:58P	4:13P	4:32P
<i>Bacon Int.</i>	...	3:33P	4:01P	4:03P	4:18P	4:38P
Newark	...	S 3:44P	...	...	...	...
<i>Davis Int.</i>	...	3:45P	4:06P	4:08P	4:25P	4:45P
<i>Ragan Int.</i>	...	3:49P	4:11P	4:13P	4:30P	4:50P
<i>Yard Int.</i>	...	3:50P	4:12P	4:14P	4:31P	4:51P
Wilmington	...	S 3:56P	S 4:16P	S 4:18P	S 4:36P	S 4:56P
<i>Landlith Int.</i>	...	3:58P	4:18P	4:20P	4:38P	4:58P
<i>Holly Int.</i>	From	4:02P	4:20P	4:22P	4:41P	5:02P
<i>Hook Int.</i>	HAR	4:04P	4:22P	4:24P	4:44P	5:04P
<i>Baldwin Int.</i>	...	4:07P	4:25P	4:27P	4:47P	5:07P
<i>Phil Int.</i>	...	4:11P	4:29P	4:31P	4:51P	5:11P
Phila. 30th St. - Arr	S 3:55P	S 4:16P	S 4:33P	S 4:35P	S 4:57P	S 5:16P
Phila. 30th St. - Dep	S 4:10P	S 4:19P	S 4:35P	S 4:37P	S 5:00P	S 5:19P
<i>Mantua Int.</i>	4:16P	4:23P	4:39P	4:41P	5:04P	5:23P
<i>Lehigh Int.</i>	4:18P	4:25P	4:41P	4:43P	5:06P	5:25P
North Phila.	4:18P	4:25P	4:41P	4:43P	5:06P	5:25P
<i>Shore Int.</i>	4:22P	4:30P	4:44P	4:46P	5:11P	5:28P
<i>Holmes Int.</i>	4:26P	4:34P	4:49P	4:52P	5:15P	5:34P
Cornwells Hts.	...	...	...	...	...	...
<i>Grundy Int.</i>	4:32P	4:40P	4:55P	4:58P	5:21P	5:40P
<i>Morris Int.</i>	4:36P	4:44P	4:58P	5:01P	5:25P	5:44P
Trenton	S 4:39P	LV 4:48P	...	...	LV 5:29P	LV 5:48P
<i>Fair Int. (East)</i>	4:39P	4:49P	4:59P	5:02P	5:30P	5:49P
<i>Ham Int.</i>	4:40P	4:50P	4:59P	5:02P	5:31P	5:50P
Princeton Jct.	...	...	...	...	...	...
<i>Midway Int.</i>	4:47P	4:58P	5:06P	5:09P	5:39P	5:58P
<i>County Int.</i>	4:51P	5:02P	5:10P	5:13P	5:43P	6:02P
New Brunswick	...	...	...	...	...	...
<i>Lincoln Int.</i>	4:55P	5:05P	5:14P	5:17P	5:46P	6:05P
<i>Menlo Int.</i>	4:57P	5:07P	5:15P	5:18P	5:48P	6:07P
Metropark	...	S 5:10P	...	S* 5:21P	S 5:51P	S 6:10P
<i>Iselin Int.</i>	4:58P	5:11P	5:16P	5:22P	5:52P	6:11P
<i>Union Int.</i>	5:00P	5:13P	5:17P	5:24P	5:54P	6:13P
<i>Elmora Int.</i>	5:03P	5:16P	5:20P	5:27P	5:57P	6:16P
Newark Airport Sta.	...	L 5:22P	...	...	S 6:02P	S 6:22P
<i>Hunter Int.</i>	5:08P	5:23P	5:24P	5:31P	6:03P	6:23P
Newark	L 5:12P	D 5:28P	S 5:29P	S 5:36P	S 6:10P	S 6:28P
<i>Hudson Int.</i>	5:15P	5:31P	5:31P	5:38P	6:13P	6:31P
<i>Portal Int.</i>	5:17P	5:33P	5:34P	5:41P	6:16P	6:33P
<i>Bergen Int.</i>	5:24P	5:36P	5:36P	5:43P	6:21P	6:36P
<i>PSW (A Tower)</i>	5:31P	5:45P	5:44P	5:51P	6:30P	6:45P
New York - Arr	A 5:32P	A 5:46P	S 5:45P	S 5:52P	S 6:31P	S 6:46P

WASHINGTON - PHILADELPHIA - NEW YORK

	168 Sat	652 M-F	134 ThFr	◇ 92 Daily	□ 2172 M-F	□ 2220 Sat
<i>CP Virginia</i>	...	...	...	2:54P	...	...
Washington - Arr	...	...	...	D 3:14P	...	...
Washington - Dep	S 3:25P	...	S 3:30P	D 3:39P	S 4:00P	S 4:00P
<i>CP Avenue</i>	3:30P	...	3:34P	3:43P	4:03P	4:03P
<i>Landover Int.</i>	3:34P	...	3:38P	3:48P	4:07P	4:07P
New Carrollton	LV 3:37P	...	...	3:49P	4:08P	4:08P
<i>Bowie Int.</i>	3:42P	...	3:43P	3:53P	4:11P	4:11P
<i>Grove Int.</i>	3:46P	...	3:47P	3:59P	4:15P	4:15P
B.W.I. Marshall Airport	S 3:52P	...	S 3:54P	...	...	S 4:21P
<i>Bridge Int.</i>	4:01P	...	4:01P	4:09P	4:23P	4:27P
<i>Fulton Int.</i>	4:02P	...	4:02P	4:10P	4:24P	4:28P
Baltimore - Arr	S 4:07P	...	S 4:07P	D 4:15P	S 4:29P	S 4:32P
Baltimore - Dep	S 4:09P	...	S 4:09P	D 4:18P	S 4:30P	S 4:34P
<i>Biddle Int.</i>	4:12P	...	4:12P	4:21P	4:32P	4:37P
<i>Gunpow Int.</i>	4:21P	...	4:21P	4:32P	4:41P	4:46P
<i>Wood Int.</i>	4:23P	...	4:23P	4:34P	4:43P	4:50P
<i>Bush Int.</i>	4:25P	...	4:25P	4:36P	4:45P	4:52P
Aberdeen	...	...	...	...	...	...
<i>Grace Int.</i>	4:30P	...	4:30P	4:42P	4:50P	4:57P
<i>Perry Int.</i>	4:32P	...	4:32P	4:43P	4:51P	4:58P
<i>Bacon Int.</i>	4:38P	...	4:36P	4:49P	4:56P	5:03P
Newark	...	...	S 4:47P	...	...	...
<i>Davis Int.</i>	4:45P	...	4:49P	4:56P	5:01P	5:08P
<i>Ragan Int.</i>	4:50P	...	4:55P	5:06P	5:06P	5:13P
<i>Yard Int.</i>	4:51P	...	4:56P	5:08P	5:07P	5:14P
Wilmington	S 4:56P	...	S 5:01P	D 5:14P	S 5:11P	S 5:18P
<i>Lanlith Int.</i>	4:58P	...	5:03P	5:16P	5:13P	5:20P
<i>Holly Int.</i>	5:02P	From	5:06P	5:20P	5:15P	5:22P
<i>Hook Int.</i>	5:04P	HAR	5:08P	5:22P	5:17P	5:24P
<i>Baldwin Int.</i>	5:07P	...	5:11P	5:25P	5:20P	5:27P
<i>Phil Int.</i>	5:11P	...	5:18P	5:31P	5:24P	5:31P
Phila. 30th St. - Arr	S 5:16P	S 5:05P	S 5:23P	D 5:35P	S 5:28P	S 5:35P
Phila. 30th St. - Dep	S 5:19P	S 5:18P	S 5:33P	D 5:39P	S 5:30P	S 5:37P
<i>Mantua Int.</i>	5:23P	5:23P	5:37P	5:45P	5:34P	5:41P
<i>Lehigh Int.</i>	5:25P	5:26P	5:39P	5:47P	5:36P	5:43P
North Phila.	5:25P	5:26P	5:39P	5:48P	5:36P	5:43P
<i>Shore Int.</i>	5:28P	5:29P	5:42P	5:51P	5:39P	5:46P
<i>Holmes Int.</i>	5:34P	5:33P	5:48P	5:58P	5:45P	5:52P
Cornwells Hts.	...	...	...	...	...	...
<i>Grundy Int.</i>	5:40P	5:39P	5:54P	6:05P	5:51P	5:58P
<i>Morris Int.</i>	5:44P	5:43P	5:58P	6:09P	5:54P	6:01P
Trenton	LV 5:48P	S 5:45P	...	D 6:13P	...	...
<i>Fair Int. (East)</i>	5:49P	5:45P	5:59P	6:14P	5:55P	6:02P
<i>Ham Int.</i>	5:50P	5:46P	6:00P	6:15P	5:55P	6:02P
Princeton Jct.	...	S 5:52P	...	...	...	...
<i>Midway Int.</i>	5:58P	5:57P	6:08P	6:23P	6:02P	6:09P
<i>County Int.</i>	6:02P	6:02P	6:12P	6:29P	6:06P	6:13P
New Brunswick	...	D 6:05P	...	...	...	...
<i>Lincoln Int.</i>	6:05P	6:10P	6:17P	6:34P	6:10P	6:17P
<i>Menlo Int.</i>	6:07P	6:14P	6:19P	6:37P	6:11P	6:18P
Metropark	S 6:10P	D 6:16P	...	...	S* 6:14P	D 6:21P
<i>Iselin Int.</i>	6:11P	6:17P	6:20P	6:38P	6:15P	6:22P
<i>Union Int.</i>	6:13P	6:19P	6:23P	6:41P	6:17P	6:24P
<i>Elmora Int.</i>	6:16P	6:22P	6:26P	6:45P	6:20P	6:27P
Newark Airport Sta.	S 6:22P	6:25P	6:29P	6:49P	...	...
<i>Hunter Int.</i>	6:23P	6:26P	6:31P	6:51P	6:24P	6:31P
Newark	S 6:28P	L 6:30P	D 6:35P	D 6:58P	S 6:29P	D 6:36P
<i>Hudson Int.</i>	6:31P	6:33P	6:38P	7:01P	6:31P	6:38P
<i>Portal Int.</i>	6:33P	6:36P	6:40P	7:03P	6:34P	6:41P
<i>Bergen Int.</i>	6:36P	6:39P	6:43P	7:08P	6:36P	6:43P
<i>PSW (A Tower)</i>	6:45P	6:47P	6:52P	7:17P	6:44P	6:51P
New York - Arr	S 6:46P	A 6:48P	A 6:53P	A 7:18P*	S 6:45P	A 6:52P

NOTE: * Train 92 arrives New York 7:32P on Sat, Sun.

WASHINGTON - PHILADELPHIA - NEW YORK

	☐ 2258 Sun	178 M-F	146 Sat	126 Sun	☐ 2122 M-F	☐ 2222 Sun
<i>CP Virginia</i>	...	...	...	...	...	...
Washington - Arr						
Washington - Dep	S 4:00P	S 4:02P	S 4:25P	S 4:25P	S 5:00P	S 5:00P
<i>CP Avenue</i>	4:03P	4:06P	4:30P	4:30P	5:03P	5:03P
<i>Landover Int.</i>	4:07P	4:10P	4:34P	4:34P	5:07P	5:07P
New Carrollton	4:08P	LV 4:14P	LV 4:37P	LV 4:37P	5:08P	5:08P
<i>Bowie Int.</i>	4:11P	4:19P	4:42P	4:42P	5:11P	5:11P
<i>Grove Int.</i>	4:15P	4:23P	4:46P	4:46P	5:15P	5:15P
B.W.I. Marshall Airport	S 4:21P	S 4:29P	S 4:52P	S 4:52P	...	S 5:21P
<i>Bridge Int.</i>	4:27P	4:38P	5:01P	5:01P	5:23P	5:27P
<i>Fulton Int.</i>	4:28P	4:39P	5:03P	5:03P	5:24P	5:28P
Baltimore - Arr	S 4:32P	S 4:43P	S 5:08P	S 5:08P	S 5:29P	S 5:32P
Baltimore - Dep	S 4:34P	S 4:45P	S 5:10P	S 5:10P	S 5:30P	S 5:34P
<i>Biddle Int.</i>	4:37P	4:48P	5:13P	5:13P	5:32P	5:37P
<i>Gunpow Int.</i>	4:46P	4:57P	5:22P	5:22P	5:41P	5:46P
<i>Wood Int.</i>	4:50P	4:59P	5:24P	5:24P	5:43P	5:50P
<i>Bush Int.</i>	4:52P	5:01P	5:26P	5:26P	5:45P	5:52P
Aberdeen						
<i>Grace Int.</i>	4:57P	5:08P	5:31P	5:31P	5:50P	5:57P
<i>Perry Int.</i>	4:58P	5:10P	5:33P	5:33P	5:51P	5:58P
<i>Bacon Int.</i>	5:03P	5:14P	5:39P	5:39P	5:56P	6:03P
Newark						
<i>Davis Int.</i>	5:08P	5:21P	5:46P	5:46P	6:01P	6:08P
<i>Ragan Int.</i>	5:13P	5:26P	5:51P	5:51P	6:06P	6:13P
<i>Yard Int.</i>	5:14P	5:27P	5:52P	5:52P	6:07P	6:14P
Wilmington	S 5:18P	S 5:32P	S 5:57P	S 5:57P	S 6:11P	S 6:18P
<i>Landlith Int.</i>	5:20P	5:34P	5:59P	5:59P	6:13P	6:20P
<i>Holly Int.</i>	5:22P	5:38P	6:03P	6:03P	6:15P	6:22P
<i>Hook Int.</i>	5:24P	5:40P	6:05P	6:05P	6:17P	6:24P
<i>Baldwin Int.</i>	5:27P	5:43P	6:08P	6:08P	6:20P	6:27P
<i>Phil Int.</i>	5:31P	5:47P	6:12P	6:12P	6:24P	6:31P
Phila. 30th St. - Arr	S 5:35P	S 5:52P	S 6:17P	S 6:17P	S 6:28P	S 6:35P
Phila. 30th St. - Dep	S 5:37P	S 5:55P	S 6:20P	S 6:20P	S 6:30P	S 6:37P
<i>Mantua Int.</i>	5:41P	5:59P	6:24P	6:24P	6:34P	6:41P
<i>Lehigh Int.</i>	5:43P	6:01P	6:26P	6:26P	6:36P	6:43P
North Phila.	5:43P	6:01P	6:26P	6:26P	6:36P	6:43P
<i>Shore Int.</i>	5:46P	6:04P	6:29P	6:29P	6:39P	6:46P
<i>Holmes Int.</i>	5:52P	6:11P	6:36P	6:36P	6:45P	6:52P
Cornwells Hts.						
<i>Grundy Int.</i>	5:58P	6:17P	6:42P	6:42P	6:51P	6:58P
<i>Morris Int.</i>	6:01P	6:21P	6:46P	6:46P	6:54P	7:01P
Trenton		LV 6:25P	LV 6:49P	LV 6:49P	...	...
<i>Fair Int. (East)</i>	6:02P	6:26P	6:50P	6:50P	6:55P	7:02P
<i>Ham Int.</i>	6:02P	6:27P	6:51P	6:51P	6:55P	7:02P
Princeton Jct.						
<i>Midway Int.</i>	6:09P	6:35P	6:59P	6:59P	7:02P	7:09P
<i>County Int.</i>	6:13P	6:39P	7:03P	7:03P	7:06P	7:13P
New Brunswick						
<i>Lincoln Int.</i>	6:17P	6:42P	7:06P	7:06P	7:10P	7:17P
<i>Menlo Int.</i>	6:18P	6:44P	7:08P	7:08P	7:11P	7:18P
Metropark	S* 6:21P	...	S 7:11P	S 7:11P	D 7:14P	D 7:21P
<i>Iselin Int.</i>	6:22P	6:45P	7:12P	7:12P	7:15P	7:22P
<i>Union Int.</i>	6:24P	6:48P	7:14P	7:14P	7:17P	7:24P
<i>Elmora Int.</i>	6:27P	6:51P	7:17P	7:17P	7:20P	7:27P
Newark Airport Sta.		S 6:56P	...	...	...	...
<i>Hunter Int.</i>	6:31P	6:57P	7:21P	7:21P	7:24P	7:31P
Newark	S 6:36P	S 7:02P	S 7:26P	D 7:26P	D 7:29P	D 7:36P
<i>Hudson Int.</i>	6:38P	7:05P	7:29P	7:29P	7:31P	7:41P
<i>Portal Int.</i>	6:41P	7:07P	7:31P	7:32P	7:34P	7:44P
<i>Bergen Int.</i>	6:43P	7:10P	7:36P	7:36P	7:36P	7:46P
<i>PSW (A Tower)</i>	6:51P	7:19P	7:45P	7:45P	7:44P	7:54P
New York - Arr	S 6:52P	S 7:20P	LV 7:46P	A 7:46P	A 7:45P	A 7:55P

WASHINGTON - PHILADELPHIA - NEW YORK

	654 M-F	196 Mo-Th	136 Fri	672 SaSu	◇ 80 Daily	192 Sat
<i>CP Virginia</i>	...	...	...	...	4:22P	...
Washington - Arr	...	...	...	...	D 4:37P	...
Washington - Dep	...	S 5:05P	S 5:05P	...	D 5:15P	S 5:20P
<i>CP Avenue</i>	...	5:09P	5:09P	...	5:19P	5:25P
<i>Landover Int.</i>	...	5:13P	5:13P	...	5:24P	5:29P
New Carrollton	...	LV 5:17P	LV 5:17P	...	5:25P	LV 5:32P
<i>Bowie Int.</i>	...	5:22P	5:22P	...	5:29P	5:37P
<i>Grove Int.</i>	...	5:26P	5:26P	...	5:35P	5:41P
B.W.I. Marshall Airport	...	S 5:32P	S 5:32P	...	...	S 5:47P
<i>Bridge Int.</i>	...	5:40P	5:40P	...	5:45P	5:56P
<i>Fulton Int.</i>	...	5:41P	5:41P	...	5:46P	5:58P
Baltimore - Arr	...	S 5:46P	S 5:46P	...	D 5:51P	S 6:02P
Baltimore - Dep	...	S 5:48P	S 5:48P	...	D 5:54P	S 6:04P
<i>Biddle Int.</i>	...	5:51P	5:51P	...	5:56P	6:07P
<i>Gunpow Int.</i>	...	6:02P	6:02P	...	6:10P	6:17P
<i>Wood Int.</i>	...	6:04P	6:04P	...	6:12P	6:18P
<i>Bush Int.</i>	...	6:06P	6:06P	...	6:14P	6:20P
Aberdeen	...	...	...	...	...	S 6:28P
<i>Grace Int.</i>	...	6:11P	6:11P	...	6:20P	6:31P
<i>Perry Int.</i>	...	6:13P	6:13P	...	6:21P	6:32P
<i>Bacon Int.</i>	...	6:17P	6:17P	...	6:27P	6:39P
Newark	...	...	...	...	...	...
<i>Davis Int.</i>	...	6:24P	6:24P	...	6:34P	6:45P
<i>Ragan Int.</i>	...	6:30P	6:30P	...	6:39P	6:50P
<i>Yard Int.</i>	...	6:31P	6:31P	...	6:40P	6:51P
Wilmington	...	S 6:36P	S 6:36P	...	D 6:46P	S 6:56P
<i>Landlith Int.</i>	...	6:38P	6:38P	...	6:49P	6:58P
<i>Holly Int.</i>	From	6:42P	6:42P	From	6:52P	7:02P
<i>Hook Int.</i>	HAR	6:44P	6:44P	HAR	6:54P	7:04P
<i>Baldwin Int.</i>	...	6:47P	6:47P	...	6:57P	7:07P
<i>Phil Int.</i>	...	6:51P	6:51P	...	7:03P	7:11P
Phila. 30th St. - Arr	S 6:25P	S 6:57P	S 6:57P	S 6:50P	D 7:07P	S 7:16P
Phila. 30th St. - Dep	S 6:50P	S 7:00P	S 7:00P	S 7:10P	D 7:11P	S 7:19P
<i>Mantua Int.</i>	6:55P	7:04P	7:04P	7:10P	7:16P	7:23P
<i>Lehigh Int.</i>	6:57P	7:06P	7:06P	7:17P	7:19P	7:25P
North Phila.	6:57P	7:06P	7:06P	7:17P	...	7:25P
<i>Shore Int.</i>	7:00P	7:09P	7:09P	7:20P	7:22P	7:28P
<i>Holmes Int.</i>	7:06P	7:17P	7:17P	7:26P	7:30P	7:34P
Cornwells Hts.	...	...	...	...	...	...
<i>Grundy Int.</i>	7:12P	7:23P	7:23P	7:32P	7:37P	7:40P
<i>Morris Int.</i>	7:16P	7:27P	7:27P	7:36P	7:41P	7:44P
Trenton	S 7:19P	LV 7:31P	LV 7:31P	LV 7:39P	D 7:46P	LV 7:48P
<i>Fair Int. (East)</i>	7:19P	7:32P	7:32P	7:39P	7:47P	7:49P
<i>Ham Int.</i>	7:20P	7:33P	7:33P	7:40P	7:48P	7:50P
Princeton Jct.	...	LV 7:40P	LV 7:40P	...	...	...
<i>Midway Int.</i>	7:27P	7:45P	7:45P	7:47P	7:56P	7:58P
<i>County Int.</i>	7:33P	7:51P	7:51P	7:51P	8:01P	8:02P
New Brunswick	...	LV 7:54P	LV 7:54P	...	...	...
<i>Lincoln Int.</i>	7:39P	7:59P	7:59P	7:55P	8:06P	8:05P
<i>Menlo Int.</i>	7:41P	8:02P	8:02P	7:57P	8:08P	8:07P
Metropark	...	LV 8:04P	LV 8:04P	...	...	L 8:10P
<i>Iselin Int.</i>	7:42P	8:06P	8:06P	7:58P	8:09P	8:11P
<i>Union Int.</i>	7:44P	8:08P	8:08P	8:02P	8:11P	8:13P
<i>Elmora Int.</i>	7:47P	8:11P	8:11P	8:05P	8:14P	8:16P
Newark Airport Sta.	...	LV 8:16P	LV 8:16P	...	...	L 8:22P
<i>Hunter Int.</i>	7:50P	8:17P	8:17P	8:09P	8:20P	8:23P
Newark	L 7:54P	D 8:21P	LV 8:21P	L 8:14P	D 8:25P	S 8:28P
<i>Hudson Int.</i>	7:57P	8:24P	8:24P	8:17P	8:28P	8:31P
<i>Portal Int.</i>	7:59P	8:26P	8:26P	8:21P	8:31P	8:33P
<i>Bergen Int.</i>	8:02P	8:29P	8:29P	8:26P	8:34P	8:37P
<i>PSW (A Tower)</i>	8:11P	8:38P	8:38P	8:33P	8:42P	8:46P
New York - Arr	A 8:12P	A 8:39P	S 8:39P	A 8:34P	A 8:43P*	A 8:47P

NOTE: * Train 80 arrives New York 8:49P on Sat, Sun.

WASHINGTON - PHILADELPHIA - NEW YORK

	166 Sun	□ 2124 M-F	656 M-F	138 M-F	158 SaSu	◇ 50 WeFrSu
<i>CP Virginia</i>	...	...	...	...	...	5:42P
Washington - Arr						D 6:06P
Washington - Dep	S 5:20P	S 6:00P	...	S 6:05P	S 6:20P	D 6:33P
<i>CP Avenue</i>	5:25P	6:03P	...	6:10P	6:25P	6:37P
<i>Landover Int.</i>	5:29P	6:07P	...	6:14P	6:29P	6:41P
New Carrollton	LV 5:32P	6:08P	...	LV 6:17P	LV 6:32P	6:42P
<i>Bowie Int.</i>	5:37P	6:11P	...	6:22P	6:37P	6:46P
<i>Grove Int.</i>	5:41P	6:15P	...	6:26P	6:41P	6:51P
B.W.I. Marshall Airport	S 5:47P	...	...	S 6:33P	S 6:47P	...
<i>Bridge Int.</i>	5:56P	6:23P	...	6:42P	6:56P	6:59P
<i>Fulton Int.</i>	5:58P	6:24P	...	6:44P	6:57P	7:00P
Baltimore - Arr	S 6:02P	S 6:29P	...	S 6:48P	S 7:02P	D 7:05P
Baltimore - Dep	S 6:04P	S 6:30P	...	S 6:50P	S 7:04P	D 7:09P
<i>Biddle Int.</i>	6:07P	6:32P	...	6:53P	7:07P	7:11P
<i>Gunpow Int.</i>	6:17P	6:41P	...	7:03P	7:17P	7:22P
<i>Wood Int.</i>	6:18P	6:43P	...	7:04P	7:18P	7:24P
<i>Bush Int.</i>	6:20P	6:45P	...	7:06P	7:20P	7:26P
Aberdeen	S 6:28P	...	...	...	S 7:28P	...
<i>Grace Int.</i>	6:31P	6:50P	...	7:12P	7:31P	7:34P
<i>Perry Int.</i>	6:32P	6:51P	...	7:13P	7:32P	7:35P
<i>Bacon Int.</i>	6:39P	6:56P	...	7:18P	7:39P	7:40P
Newark	...	...	...	...	...	...
<i>Davis Int.</i>	6:45P	7:01P	...	7:24P	7:45P	7:47P
<i>Ragan Int.</i>	6:50P	7:06P	...	7:29P	7:50P	7:52P
<i>Yard Int.</i>	6:51P	7:07P	...	7:30P	7:51P	7:53P
Wilmington	S 6:56P	S 7:11P	...	S 7:36P	S 7:56P	D 8:00P
<i>Landlith Int.</i>	6:58P	7:13P	...	7:38P	7:58P	8:02P
<i>Holly Int.</i>	7:02P	7:15P	From	7:42P	8:02P	8:05P
<i>Hook Int.</i>	7:04P	7:17P	HAR	7:44P	8:04P	8:07P
<i>Baldwin Int.</i>	7:07P	7:20P	...	7:47P	8:07P	8:10P
<i>Phil Int.</i>	7:11P	7:24P	...	7:51P	8:11P	8:17P
Phila. 30th St. - Arr	S 7:16P	S 7:28P	S 7:23P	S 7:57P	S 8:16P	D 8:20P
Phila. 30th St. - Dep	S 7:19P	S 7:30P	S 7:40P	S 8:00P	S 8:19P	D 8:25P
<i>Mantua Int.</i>	7:23P	7:34P	7:45P	8:04P	8:23P	8:30P
<i>Lehigh Int.</i>	7:25P	7:36P	7:47P	8:06P	8:25P	8:32P
North Phila.	7:25P	7:36P	7:47P	8:06P	8:25P	8:32P
<i>Shore Int.</i>	7:28P	7:39P	7:52P	8:09P	8:30P	8:35P
<i>Holmes Int.</i>	7:34P	7:45P	7:56P	8:15P	8:34P	8:41P
Cornwells Hts.	...	...	...	...	...	...
<i>Grundy Int.</i>	7:40P	7:51P	8:02P	8:21P	8:40P	8:48P
<i>Morris Int.</i>	7:44P	7:54P	8:06P	8:25P	8:44P	8:52P
Trenton	LV 7:48P	...	S 8:09P	LV 8:29P	LV 8:48P	D 8:56P
<i>Fair Int. (East)</i>	7:49P	7:55P	8:09P	8:30P	8:49P	8:57P
<i>Ham Int.</i>	7:50P	7:55P	8:10P	8:31P	8:50P	8:58P
Princeton Jct.	...	...	...	S 8:38P	...	...
<i>Midway Int.</i>	7:58P	8:02P	8:17P	8:44P	8:58P	9:06P
<i>County Int.</i>	8:02P	8:06P	8:21P	8:48P	9:02P	9:12P
New Brunswick	...	...	...	...	...	...
<i>Lincoln Int.</i>	8:05P	8:10P	8:25P	8:51P	9:05P	9:17P
<i>Menlo Int.</i>	8:07P	8:11P	8:27P	8:53P	9:07P	9:19P
Metropark	S 8:10P	D 8:14P	...	L 8:56P	D 9:10P	...
<i>Iselin Int.</i>	8:11P	8:15P	8:28P	8:57P	9:11P	9:20P
<i>Union Int.</i>	8:13P	8:17P	8:32P	8:59P	9:13P	9:24P
<i>Elmora Int.</i>	8:16P	8:20P	8:35P	9:02P	9:16P	9:27P
Newark Airport Sta.	S 8:22P	...	...	L 9:07P	L 9:22P	...
<i>Hunter Int.</i>	8:23P	8:24P	8:39P	9:08P	9:23P	9:31P
Newark	S 8:28P	D 8:28P	L 8:44P	L 9:12P	D 9:28P	D 9:38P
<i>Hudson Int.</i>	8:31P	8:30P	8:47P	9:15P	9:31P	9:41P
<i>Portal Int.</i>	8:33P	8:33P	8:49P	9:17P	9:34P	9:43P
<i>Bergen Int.</i>	8:37P	8:36P	8:52P	9:20P	9:37P	9:46P
<i>PSW (A Tower)</i>	8:46P	8:44P	9:01P	9:29P	9:46P	9:55P
New York - Arr	S 8:47P	A 8:45P	A 9:02P	A 9:30P	A 9:47P	A 9:56P

WASHINGTON - PHILADELPHIA - NEW YORK

	☐ 2126 M-F	658 Fri	188 M-F	674 Sun	182 SaSu	☐ 2128 M-F
<i>CP Virginia</i>	...	...	...	...	...	...
Washington - Arr	...	...	...	...	...	...
Washington - Dep	S 7:00P	...	S 7:10P	...	S 7:20P	S 8:00P
<i>CP Avenue</i>	7:03P	...	7:15P	...	7:25P	8:03P
<i>Landover Int.</i>	7:07P	...	7:19P	...	7:29P	8:07P
New Carrollton	7:08P	...	LV 7:22P	...	LV 7:32P	8:08P
<i>Bowie Int.</i>	7:11P	...	7:27P	...	7:37P	8:11P
<i>Grove Int.</i>	7:15P	...	7:31P	...	7:41P	8:15P
B.W.I. Marshall Airport	...	...	S 7:37P	...	S 7:47P	...
<i>Bridge Int.</i>	7:23P	...	7:46P	...	7:56P	8:23P
<i>Fulton Int.</i>	7:24P	...	7:48P	...	7:57P	8:24P
Baltimore - Arr	S 7:29P	...	S 7:52P	...	S 8:02P	S 8:29P
Baltimore - Dep	S 7:30P	...	S 7:54P	...	S 8:04P	S 8:30P
<i>Biddle Int.</i>	7:32P	...	7:57P	...	8:07P	8:32P
<i>Gunpow Int.</i>	7:41P	...	8:08P	...	8:17P	8:42P
<i>Wood Int.</i>	7:43P	...	8:10P	...	8:18P	8:44P
<i>Bush Int.</i>	7:45P	...	8:12P	...	8:20P	8:46P
Aberdeen	...	...	S 8:18P	...	...	...
<i>Grace Int.</i>	7:50P	...	8:21P	...	8:26P	8:51P
<i>Perry Int.</i>	7:51P	...	8:22P	...	8:27P	8:52P
<i>Bacon Int.</i>	7:56P	...	8:28P	...	8:32P	8:57P
Newark	...	...	...	...	S 8:42P	...
<i>Davis Int.</i>	8:01P	...	8:35P	...	8:44P	9:02P
<i>Ragan Int.</i>	8:06P	...	8:40P	...	8:49P	9:07P
Yard Int.	8:07P	...	8:41P	...	8:50P	9:08P
Wilmington	S 8:11P	...	S 8:46P	...	S 8:55P	S 9:12P
<i>Landlith Int.</i>	8:13P	...	8:48P	...	8:57P	9:15P
<i>Holly Int.</i>	8:15P	From	8:52P	From	9:02P	9:17P
<i>Hook Int.</i>	8:17P	HAR	8:54P	HAR	9:04P	9:19P
<i>Baldwin Int.</i>	8:20P	...	8:57P	...	9:07P	9:22P
<i>Phil Int.</i>	8:24P	...	9:01P	...	9:11P	9:26P
Phila. 30th St. - Arr	S 8:28P	S 8:23P	S 9:06P	S 8:50P	S 9:16P	S 9:30P
Phila. 30th St. - Dep	S 8:30P	S 8:35P	S 9:09P	S 9:10P	S 9:19P	S 9:32P
<i>Mantua Int.</i>	8:34P	8:41P	9:13P	9:15P	9:23P	9:36P
<i>Lehigh Int.</i>	8:36P	8:43P	9:15P	9:17P	9:25P	9:38P
North Phila.	8:36P	8:43P	9:15P	9:17P	9:25P	...
<i>Shore Int.</i>	8:39P	8:46P	9:18P	9:20P	9:28P	9:41P
<i>Holmes Int.</i>	8:45P	8:52P	9:25P	9:26P	9:34P	9:47P
Cornwells Hts.	...	...	...	...	...	...
<i>Grundy Int.</i>	8:51P	8:59P	9:30P	9:32P	9:40P	9:53P
<i>Morris Int.</i>	8:54P	9:02P	9:34P	9:36P	9:44P	9:57P
Trenton	S* 8:58P	S 9:06P	LV 9:38P	LV 9:39P	LV 9:48P	...
<i>Fair Int. (East)</i>	8:59P	9:07P	9:39P	9:39P	9:49P	9:58P
<i>Ham Int.</i>	8:59P	9:08P	9:40P	9:40P	9:50P	9:58P
Princeton Jct.	...	...	...	...	...	...
<i>Midway Int.</i>	9:06P	9:15P	9:48P	9:47P	9:58P	10:05P
<i>County Int.</i>	9:10P	9:19P	9:52P	9:51P	10:02P	10:09P
New Brunswick	...	...	...	...	...	...
<i>Lincoln Int.</i>	9:13P	9:22P	9:55P	9:55P	10:06P	10:12P
<i>Menlo Int.</i>	9:15P	9:26P	9:58P	9:57P	10:08P	10:14P
Metropark	D 9:17P	...	D 10:01P	...	L 10:11P	...
<i>Iselin Int.</i>	9:19P	9:28P	10:02P	9:58P	10:12P	10:15P
<i>Union Int.</i>	9:20P	9:32P	10:04P	10:02P	10:16P	10:16P
<i>Elmora Int.</i>	9:23P	9:34P	10:07P	10:05P	10:19P	10:19P
Newark Airport Sta.	...	...	...	...	...	...
<i>Hunter Int.</i>	9:27P	9:38P	10:11P	10:09P	10:23P	10:23P
Newark	D 9:32P	L 9:42P	D 10:16P	L 10:14P	L 10:27P	D 10:29P
<i>Hudson Int.</i>	9:34P	9:45P	10:19P	10:17P	10:30P	10:31P
<i>Portal Int.</i>	9:37P	9:47P	10:21P	10:21P	10:34P	10:34P
<i>Bergen Int.</i>	9:39P	9:50P	10:24P	10:26P	10:39P	10:36P
<i>PSW (A Tower)</i>	9:47P	9:59P	10:33P	10:33P	10:48P	10:44P
New York - Arr	A 9:48P	A 10:00P	A 10:34P	A 10:34P	A 10:49P	A 10:45P

WASHINGTON - PHILADELPHIA - NEW YORK

	☐ 2228 Sun	◇ 90 Daily	198 Daily	◇ 66 Daily		
<i>CP Virginia</i>	...	7:42P	...	9:15P		
Washington - Arr		D 7:57P		S 9:20P		
Washington - Dep	S 8:00P	D 8:15P	S 8:45P	S 10:10P		
<i>CP Avenue</i>	8:03P	8:19P	8:49P	10:14P		
<i>Landover Int.</i>	8:07P	8:24P	8:53P	10:18P		
New Carrollton	8:08P	8:25P	LV 8:57P	S 10:20P		
<i>Bowie Int.</i>	8:11P	8:29P	9:02P	10:25P		
<i>Grove Int.</i>	8:15P	8:35P	9:06P	10:31P		
B.W.I. Marshall Airport	S 8:21P	...	S 9:12P	S 10:40P		
<i>Bridge Int.</i>	8:27P	8:45P	9:20P	10:48P		
<i>Fulton Int.</i>	8:28P	8:46P	9:22P	10:49P		
Baltimore - Arr	S 8:32P	D 8:50P	S 9:26P	S 10:54P		
Baltimore - Dep	S 8:34P	D 8:54P	S 9:28P	S 10:56P		
<i>Biddle Int.</i>	8:37P	8:57P	9:31P	10:58P		
<i>Gunpow Int.</i>	8:46P	9:08P	9:41P	11:08P		
<i>Wood Int.</i>	8:50P	9:10P	9:42P	11:10P		
<i>Bush Int.</i>	8:52P	9:12P	9:46P	11:13P		
Aberdeen	...	...	S 9:52P	...		
<i>Grace Int.</i>	8:57P	9:18P	9:55P	11:20P		
<i>Perry Int.</i>	8:58P	9:19P	9:56P	11:21P		
<i>Bacon Int.</i>	9:03P	9:25P	10:03P	11:27P		
Newark	...	...	...	...
<i>Davis Int.</i>	9:08P	9:32P	10:09P	11:35P		
<i>Ragan Int.</i>	9:13P	9:37P	10:14P	11:41P		
<i>Yard Int.</i>	9:14P	9:38P	10:15P	11:42P		
Wilmington	S 9:18P	D 9:44P	S 10:20P	S 11:46P		
<i>Landlith Int.</i>	9:20P	9:47P	10:22P	11:48P		
<i>Holly Int.</i>	9:22P	9:50P	10:27P	11:51P		
<i>Hook Int.</i>	9:24P	9:52P	10:29P	11:54P		
<i>Baldwin Int.</i>	9:27P	9:55P	10:32P	11:58P		
<i>Phil Int.</i>	9:31P	10:01P	10:36P	12:05A		
Phila. 30th St. - Arr	S 9:35P	D 10:07P	S 10:41P	S 12:08A		
Phila. 30th St. - Dep	S 9:37P	D 10:17P	S 10:44P	S 12:13A		
<i>Mantua Int.</i>	9:41P	10:22P	10:48P	12:18A		
<i>Lehigh Int.</i>	9:43P	10:24P	10:50P	12:20A		
North Phila.	9:43P	10:25P	10:51P	12:20A		
<i>Shore Int.</i>	9:46P	10:28P	10:53P	12:24A		
<i>Holmes Int.</i>	9:52P	10:34P	11:01P	12:30A		
Cornwells Hts.	...	...	...	...
<i>Grundy Int.</i>	9:58P	10:41P	11:08P	12:38A		
<i>Morris Int.</i>	10:01P	10:45P	11:11P	12:42A		
Trenton	...	D 10:50P	LV 11:15P	S 12:48A		
<i>Fair Int. (East)</i>	10:02P	10:51P	11:16P	12:49A		
<i>Ham Int.</i>	10:02P	10:52P	11:17P	12:50A		
Princeton Jct.	...	...	...	...
<i>Midway Int.</i>	10:09P	11:02P	11:25P	12:58A		
<i>County Int.</i>	10:13P	11:07P	11:29P	1:06A		
New Brunswick	...	...	...	...
<i>Lincoln Int.</i>	10:17P	11:12P	11:32P	1:10A		
<i>Menlo Int.</i>	10:18P	11:14P	11:34P	1:12A		
Metropark	D 10:21P	...	D 11:37P	S 1:15A		
<i>Iselin Int.</i>	10:22P	11:15P	11:38P	1:17A		
<i>Union Int.</i>	10:24P	11:18P	11:41P	1:19A		
<i>Elmora Int.</i>	10:27P	11:21P	11:44P	1:22A		
Newark Airport Sta.	...	...	...	...
<i>Hunter Int.</i>	10:31P	11:25P	11:48P	1:26A		
Newark	D 10:36P	D 11:29P	D 11:52P	S 1:32A		
<i>Hudson Int.</i>	10:41P	11:32P	11:55P	1:35A		
<i>Portal Int.</i>	10:44P	11:34P	11:57P	1:37A		
<i>Bergen Int.</i>	10:46P	11:37P	12:00P	1:40A		
<i>PSW (A Tower)</i>	10:54P	11:46P	12:09A	1:49A		
New York - Arr	A 10:55P	A 11:47P	A 12:10A	LV 1:50A		

PHILADELPHIA TO HARRISBURG

	601 M-F	605 M-F	607 M-F	611 Sat	661 SaSu	641 M-F
Phila. 30th St. - Ar					S 8:20A	S 8:49A
Phila. 30th St. - Dp	S 5:25A	S 6:25A	S 7:25A	S 7:25A	S 8:35A	S 9:00A
<i>Zoo - 36th St</i>	5:29A	6:29A	7:29A	7:29A	8:39A	9:04A
<i>Overbrook</i>	5:33A	6:33A	7:33A	7:33A	8:43A	9:08A
Ardmore	S 5:37A	S 6:37A	S 7:37A	S 7:37A	S 8:48A	...
<i>Bryn Mawr</i>	5:40A	6:40A	7:41A	7:39A	8:50A	9:12A
Paoli	S 5:51A	S 6:51A	S 7:51A	S 7:50A	S 9:00A	S 9:23A
<i>Frazer Int.</i>	5:54A	6:55A	7:54A	7:53A	9:04A	9:26A
Exton	S 5:58A	S 6:59A	S 7:58A	S 7:57A	S 9:08A	S 9:30A
Downingtown	S 6:03A	S 7:03A	8:01A	S 8:01A	S 9:12A	S 9:35A
<i>Thorn Int.</i>	6:05A	7:05A	8:04A	8:04A	9:15A	9:37A
Coatesville	S 6:09A	S 7:09A	8:06A	S 8:07A	S 9:18A	9:40A
Parkeburg	S 6:15A	S 7:14A	8:10A	S 8:13A	S 9:24A	S 9:45A
<i>Leaman Int.</i>	6:25A	7:24A	8:19A	8:23A	9:35A	9:55A
Lancaster	S 6:35A	S 7:35A	S 8:30A	S 8:34A	S 9:45A	S 10:05A
<i>Cork Int.</i>	6:36A	7:36A	8:31A	8:35A	9:46A	10:06A
Mount Joy	S 6:45A	S 7:45A	8:39A	S 8:43A	S 9:54A	10:14A
<i>Rheems Int.</i>	6:48A	7:48A	8:41A	8:46A	9:57A	10:16A
Elizabethtown	S 6:51A	S 7:51A	S 8:45A	S 8:50A	S 10:01A	S 10:20A
Middletown	S 6:59A	S 7:59A	8:51A	S 8:57A	S 10:08A	LV 10:27A
<i>State Int.</i>	7:08A	8:08A	9:00A	9:08A	10:18A	10:38A
Harrisburg - Ar	A 7:10A	A 8:10A	A 9:02A	A 9:10A	A 10:20A	A 10:40A
Harrisburg - Dp						

	609 M-F	663 SaSu	643 M-F	43 Daily	645 M-F	615 Sun
Phila. 30th St. - Ar						
Phila. 30th St. - Dp	S 10:00A	S 10:35A	S 10:48A	S 12:12P	S 1:25P	S 1:55P
<i>Zoo - 36th St</i>	10:04A	10:59A	11:04A	12:46P	1:39P	1:59P
<i>Overbrook</i>	10:08A	11:03A	11:08A	12:53P	1:43P	2:03P
Ardmore	...	S 11:08A	...	...	...	...
<i>Bryn Mawr</i>	10:13A	11:09A	11:12A	12:59P	1:47P	2:08P
Paoli	S 10:23A	S 11:20A	S 11:23A	S 1:12P	S 1:59P	S 2:20P
<i>Frazer Int.</i>	10:26A	11:23A	11:26A	1:16P	2:02P	2:23P
Exton	S 10:30A	S 11:27A	S 11:30A	1:18P	S 2:06P	S 2:28P
Downingtown	10:34A	S 11:31A	S 11:35A	1:23P	S 2:11P	S 2:32P
<i>Thorn Int.</i>	10:35A	11:33A	11:37A	1:25P	2:13P	2:34P
Coatesville	S 10:39A	S 11:37A	11:40A	1:28P	S 2:17P	S 2:38P
Parkeburg	10:44A	S 11:42A	S 11:45A	1:32P	S 2:22P	S 2:43P
<i>Leaman Int.</i>	10:53A	11:52A	11:55A	1:41P	2:32P	2:53P
Lancaster	S 11:03A	S 12:03P	S 12:06P	S 1:52P	S 2:43P	S 3:04P
<i>Cork Int.</i>	11:04A	12:04P	12:07P	1:52P	2:44P	3:05P
Mount Joy	S 11:12A	S 12:13P	12:15P	2:00P	S 2:52P	S 3:13P
<i>Rheems Int.</i>	11:15A	12:16P	12:17P	2:03P	2:55P	3:16P
Elizabethtown	S 11:19A	S 12:20P	S 12:20P	S 2:06P	S 3:00P	S 3:21P
Middletown	S 11:26A	S 12:27P	S 12:28P	2:12P	LV 3:07P	LV 3:28P
<i>State Int.</i>	11:38A	12:38P	12:38P	2:23P	3:18P	3:38P
Harrisburg - Ar	A 11:40A	A 12:40P	A 12:40P	S 2:26P	A 3:20P	A 3:40P
Harrisburg - Dp				S 2:36P		

PHILADELPHIA TO HARRISBURG

	665 SaSu	647 M-F	649 M-F	667 SaSu	651 M-F	653 M-F
Phila. 30th St. - Ar	S 2:26P	S 3:33P	S 4:09P	S 4:38P	S 5:23P	S 6:30P
Phila. 30th St. - Dp	S 2:45P	S 3:45P	S 4:45P	S 4:55P	S 5:35P	S 6:42P
<i>Zoo - 36th St</i>	2:49P	3:49P	4:49P	4:59P	5:39P	6:46P
<i>Overbrook</i>	2:53P	3:53P	4:53P	5:03P	5:43P	6:50P
Ardmore	S 2:58P	...	S 4:58P	S 5:10P	S 5:48P	S 6:55P
<i>Bryn Mawr</i>	3:00P	3:57P	5:00P	5:12P	5:50P	6:57P
Paoli	S 3:10P	S 4:10P	S 5:11P	S 5:22P	S 6:02P	S 7:07P
<i>Frazer Int.</i>	3:14P	4:13P	5:15P	5:26P	6:05P	7:10P
Exton	S 3:18P	S 4:17P	S 5:20P	S 5:30P	S 6:09P	S 7:14P
Downingtown	S 3:22P	4:21P	S 5:25P	S 5:34P	S 6:13P	S 7:19P
<i>Thorn Int.</i>	3:25P	4:24P	5:29P	5:37P	6:16P	7:21P
Coatesville	S 3:28P	4:27P	S 5:33P	S 5:40P	S 6:20P	S 7:25P
Parkesburg	S 3:34P	4:31P	S 5:38P	S 5:46P	S 6:26P	S 7:30P
<i>Leaman Int.</i>	3:44P	4:40P	5:48P	5:56P	6:37P	7:40P
Lancaster	S 3:55P	S 4:50P	S 5:58P	S 6:07P	S 6:47P	S 7:51P
<i>Cork Int.</i>	3:56P	4:51P	5:59P	6:08P	6:48P	7:52P
Mount Joy	S 4:04P	4:59P	S 6:07P	S 6:16P	S 6:56P	S 8:00P
<i>Rheems Int.</i>	4:07P	5:01P	6:10P	6:19P	6:59P	8:03P
Elizabethtown	S 4:11P	S 5:04P	S 6:14P	S 6:23P	S 7:03P	S 8:07P
Middletown	S 4:18P	S 5:11P	S 6:21P	S 6:30P	S 7:10P	S 8:14P
<i>State Int.</i>	4:28P	5:23P	6:33P	6:40P	7:20P	8:25P
Harrisburg - Ar	A 4:30P	A 5:25P	A 6:35P	A 6:42P	A 7:22P	A 8:27P
Harrisburg - Dp						

	669 SaSu	655 M-F	671 SaSu	619 M-F		
Phila. 30th St. - Ar	S 6:36P	S 8:00P	S 9:15P	S 10:59P		
Phila. 30th St. - Dp	S 6:55P	S 8:15P	S 9:45P	S 10:59P		
<i>Zoo - 36th St</i>	6:59P	8:19P	9:49P	11:03P		
<i>Overbrook</i>	7:03P	8:23P	9:53P	11:06P		
Ardmore	S 7:10P	S 8:28P	S 9:57P	L 11:11P		
<i>Bryn Mawr</i>	7:12P	8:30P	9:59P	11:13P		
Paoli	S 7:22P	S 8:40P	S 10:10P	L 11:24P		
<i>Frazer Int.</i>	7:26P	8:43P	10:14P	11:27P		
Exton	S 7:30P	S 8:47P	S 10:18P	L 11:32P		
Downingtown	S 7:34P	S 8:52P	S 10:22P	L 11:36P		
<i>Thorn Int.</i>	7:37P	8:54P	10:25P	11:38P		
Coatesville	S 7:40P	S 8:59P	S 10:28P	F 11:42P		
Parkesburg	S 7:46P	S 9:04P	S 10:34P	L 11:48P		
<i>Leaman Int.</i>	7:56P	9:15P	10:44P	11:58P		
Lancaster	S 8:07P	S 9:25P	S 10:55P	L 12:09A		
<i>Cork Int.</i>	8:08P	9:26P	10:56P	12:10A		
Mount Joy	S 8:16P	S 9:34P	S 11:04P	F 12:18A		
<i>Rheems Int.</i>	8:19P	9:37P	11:07P	12:21A		
Elizabethtown	S 8:23P	S 9:41P	S 11:11P	L 12:25A		
Middletown	S 8:30P	S 9:48P	S 11:18P	F 12:32A		
<i>State Int.</i>	8:40P	9:58P	11:28P	12:43A		
Harrisburg - Ar	A 8:42P	A 10:00P	A 11:30P	A 12:45A		
Harrisburg - Dp						

HARRISBURG TO PHILADELPHIA

	640 M-F	600 M-F	660 SaSu	642 M-F	662 Sat	644 M-F
Harrisburg - Ar	S 5:00A	S 6:30A	S 7:20A	S 8:00A	S 8:20A	S 9:00A
<i>Harrisburg - Dp</i>	5:02A	6:32A	7:22A	8:02A	8:22A	9:02A
<i>State Int.</i>						
Middletown	S 5:10A	S 6:40A	S 7:30A	8:09A	S 8:30A	S 9:10A
Elizabethtown	S 5:17A	S 6:47A	S 7:37A	S 8:16A	S 8:37A	S 9:17A
<i>Rheems Int.</i>	5:20A	6:50A	7:40A	8:19A	8:40A	9:20A
Mount Joy	S 5:23A	S 6:53A	S 7:43A	8:21A	S 8:43A	9:22A
<i>Cork Int.</i>	5:32A	7:02A	7:52A	8:29A	8:52A	9:30A
Lancaster	S 5:35A	S 7:06A	S 7:55A	S 8:32A	S 8:55A	S 9:33A
<i>Leaman Int.</i>	5:43A	7:15A	8:03A	8:40A	9:03A	9:41A
Parkeburg	S 5:53A	S 7:25A	S 8:14A	8:49A	S 9:14A	S 9:51A
Coatesville	S 5:59A	S 7:30A	S 8:19A	8:53A	S 9:19A	9:55A
<i>Thorn Int.</i>	6:02A	7:33A	8:22A	8:56A	9:22A	9:58A
Downingtown	S 6:05A	S 7:37A	S 8:25A	8:58A	S 9:25A	S 10:01A
Exton	S 6:10A	S 7:44A	S 8:32A	9:02A	S 9:32A	S 10:07A
<i>Frazer Int.</i>	6:14A	7:47A	8:35A	9:04A	9:35A	10:10A
Paoli	S 6:19A	S 7:53A	S 8:41A	S 9:10A	S 9:41A	S 10:16A
<i>Bryn Mawr</i>	6:27A	8:02A	8:50A	9:19A	9:50A	10:25A
Ardmore	S 6:31A	...	S 8:53A	...	S 9:53A	...
<i>Overbrook</i>	6:36A	8:08A	8:56A	9:23A	9:56A	10:29A
<i>Zoo - 36th St</i>	6:39A	8:12A	9:01A	9:26A	10:00A	10:32A
Phila. 30th St. - Ar	S 6:45A	A 8:19A	S 9:05A	S 9:35A	S 10:05A	S 10:41A
Phila. 30th St. - Dp	S 7:00A		S 9:23A	S 9:45A	S 10:30A	S 10:55A

	664 SaSu	646 M-F	648 M-F	666 SaSu	650 M-F	42 Daily
Harrisburg - Ar	S 9:30A	S 10:00A	S 11:00A	S 11:20A	S 12:00P	S 12:55P
<i>Harrisburg - Dp</i>	9:32A	10:02A	11:02A	11:22A	12:02P	1:07P
<i>State Int.</i>						
Middletown	S 9:40A	10:09A	S 11:10A	S 11:30A	S 12:10P	1:15P
Elizabethtown	S 9:47A	S 10:16A	S 11:17A	S 11:37A	S 12:17P	S 1:23P
<i>Rheems Int.</i>	9:50A	10:19A	11:20A	11:40A	12:20P	1:26P
Mount Joy	S 9:53A	10:21A	S 11:23A	S 11:43A	S 12:23P	1:28P
<i>Cork Int.</i>	10:01A	10:29A	11:31A	11:51A	12:32P	1:36P
Lancaster	S 10:05A	S 10:32A	S 11:34A	S 11:55A	S 12:35P	S 1:40P
<i>Leaman Int.</i>	10:13A	10:40A	11:42A	12:03P	12:43P	1:49P
Parkeburg	10:22A	10:49A	S 11:52A	S 12:14P	12:52P	1:58P
Coatesville	10:26A	10:54A	11:56A	S 12:19P	12:56P	2:02P
<i>Thorn Int.</i>	10:28A	10:56A	11:59A	12:22P	12:58P	2:05P
Downingtown	S 10:32A	10:58A	S 12:02P	S 12:25P	S 1:01P	2:06P
Exton	S 10:37A	11:02A	S 12:08P	S 12:32P	S 1:07P	S 2:12P
<i>Frazer Int.</i>	10:41A	11:04A	12:11P	12:35P	1:10P	2:17P
Paoli	S 10:56A	S 11:10A	S 12:17P	S 12:41P	S 1:16P	S 2:24P
<i>Bryn Mawr</i>	10:45A	11:19A	12:26P	12:50P	1:25P	2:35P
Ardmore	...	...	...	S 12:53P	S 1:28P	...
<i>Overbrook</i>	10:59A	11:23A	12:30P	12:56P	1:32P	2:40P
<i>Zoo - 36th St</i>	11:02A	11:26A	12:34P	12:59P	1:37P	2:47P
Phila. 30th St. - Ar	S 11:10A	S 11:35A	S 12:43P	S 1:05P	S 1:45P	S 2:55P
Phila. 30th St. - Dp	S 11:25A	S 11:45A	S 1:00P	S 1:30P	S 2:05P	S 3:25P

HARRISBURG TO PHILADELPHIA

	670 SaSu	652 M-F	654 M-F	672 SaSu	656 M-F	618 M-F
Harrisburg - Ar	S 2:05P	S 3:20P	S 4:30P	S 5:05P	S 5:35P	S 6:40P
<i>Harrisburg - Dp</i>	<i>2:07P</i>	<i>3:22P</i>	<i>4:32P</i>	<i>5:07P</i>	<i>5:37P</i>	<i>6:42P</i>
<i>State Int.</i>						
Middletown	S 2:15P	S 3:30P	S 4:40P	S 5:15P	S 5:45P	S 6:50P
Elizabethtown	S 2:22P	S 3:37P	S 4:47P	S 5:22P	S 5:52P	S 6:57P
<i>Rheems Int.</i>	<i>2:25P</i>	<i>3:40P</i>	<i>4:50P</i>	<i>5:25P</i>	<i>5:55P</i>	<i>7:00P</i>
Mount Joy	S 2:28P	S 3:43P	S 4:53P	S 5:28P	S 5:58P	7:02P
<i>Cork Int.</i>	<i>2:36P</i>	<i>3:52P</i>	<i>5:01P</i>	<i>5:36P</i>	<i>6:06P</i>	<i>7:10P</i>
Lancaster	S 2:40P	S 3:54P	S 5:05P	S 5:40P	S 6:10P	S 7:12P
<i>Leaman Int.</i>	<i>2:48P</i>	<i>4:02P</i>	<i>5:13P</i>	<i>5:48P</i>	<i>6:18P</i>	<i>7:20P</i>
Parkesburg	S 2:59P	S 4:13P	S 5:23P	S 5:58P	S 6:28P	S 7:30P
Coatesville	S 3:05P	4:17P	S 5:29P	S 6:04P	S 6:34P	7:35P
<i>Thorn Int.</i>	<i>3:08P</i>	<i>4:19P</i>	<i>5:32P</i>	<i>6:07P</i>	<i>6:37P</i>	<i>7:37P</i>
Downingtown	S 3:11P	S 4:22P	S 5:35P	S 6:10P	S 6:40P	S 7:40P
Exton	S 3:17P	S 4:28P	S 5:41P	S 6:16P	S 6:46P	S 7:46P
<i>Frazer Int.</i>	<i>3:20P</i>	<i>4:31P</i>	<i>5:44P</i>	<i>6:19P</i>	<i>6:49P</i>	<i>7:49P</i>
Paoli	S 3:28P	S 4:37P	S 5:50P	S 6:25P	S 6:55P	S 7:55P
<i>Bryn Mawr</i>	<i>3:37P</i>	<i>4:45P</i>	<i>6:00P</i>	<i>6:34P</i>	<i>7:03P</i>	<i>8:04P</i>
Ardmore	S 3:41P	S 4:49P	S 6:04P	S 6:37P	S 7:07P	S 8:07P
<i>Overbrook</i>	<i>3:44P</i>	<i>4:52P</i>	<i>6:08P</i>	<i>6:41P</i>	<i>7:10P</i>	<i>8:11P</i>
<i>Zoo - 36th St</i>	<i>3:47P</i>	<i>4:56P</i>	<i>6:15P</i>	<i>6:46P</i>	<i>7:18P</i>	<i>8:16P</i>
Phila. 30th St. - Ar	S 3:55P	S 5:05P	S 6:25P	S 6:50P	S 7:23P	A 8:23P
Phila. 30th St. - Dp	S 4:10P	S 5:18P	S 6:50P	S 7:10P	S 7:40P	

	658 Fri	610 Sat	674 Sun	620 M-F	612 Sun	622 M-F
Harrisburg - Ar	S 6:40P	S 7:05P	S 7:05P	S 8:15P	S 8:20P	S 9:15P
<i>Harrisburg - Dp</i>	<i>6:42P</i>	<i>7:07P</i>	<i>7:07P</i>	<i>8:17P</i>	<i>8:22P</i>	<i>9:17P</i>
<i>State Int.</i>						
Middletown	S 6:50P	S 7:15P	S 7:15P	S 8:25P	S 8:30P	S 9:25P
Elizabethtown	S 6:57P	S 7:22P	S 7:22P	S 8:32P	S 8:37P	S 9:32P
<i>Rheems Int.</i>	<i>7:00P</i>	<i>7:25P</i>	<i>7:25P</i>	<i>8:35P</i>	<i>8:40P</i>	<i>9:35P</i>
Mount Joy	7:02P	S 7:28P	S 7:28P	8:37P	S 8:43P	9:37P
<i>Cork Int.</i>	<i>7:10P</i>	<i>7:36P</i>	<i>7:36P</i>	<i>8:45P</i>	<i>8:51P</i>	<i>9:45P</i>
Lancaster	S 7:12P	S 7:40P	S 7:40P	S 8:47P	S 8:55P	S 9:47P
<i>Leaman Int.</i>	<i>7:20P</i>	<i>7:48P</i>	<i>7:48P</i>	<i>8:55P</i>	<i>9:03P</i>	<i>9:55P</i>
Parkesburg	S 7:30P	S 7:58P	S 7:58P	L 9:05P	S 9:14P	L 10:05P
Coatesville	7:35P	S 8:04P	S 8:04P	9:09P	S 9:19P	10:09P
<i>Thorn Int.</i>	<i>7:37P</i>	<i>8:07P</i>	<i>8:07P</i>	<i>9:12P</i>	<i>9:22P</i>	<i>10:12P</i>
Downingtown	S 7:40P	S 8:10P	S 8:10P	L 9:15P	S 9:25P	L 10:15P
Exton	S 7:46P	S 8:16P	S 8:16P	L 9:21P	S 9:32P	L 10:21P
<i>Frazer Int.</i>	<i>7:49P</i>	<i>8:19P</i>	<i>8:19P</i>	<i>9:24P</i>	<i>9:35P</i>	<i>10:24P</i>
Paoli	S 7:55P	S 8:25P	S 8:25P	L 9:29P	S 9:40P	L 10:29P
<i>Bryn Mawr</i>	<i>8:04P</i>	<i>8:34P</i>	<i>8:34P</i>	<i>9:40P</i>	<i>9:49P</i>	<i>10:40P</i>
Ardmore	S 8:07P	S 8:37P	S 8:37P	...	S 9:53P	...
<i>Overbrook</i>	<i>8:11P</i>	<i>8:41P</i>	<i>8:41P</i>	<i>9:46P</i>	<i>9:56P</i>	<i>10:47P</i>
<i>Zoo - 36th St</i>	<i>8:16P</i>	<i>8:46P</i>	<i>8:46P</i>	<i>9:50P</i>	<i>10:02P</i>	<i>10:50P</i>
Phila. 30th St. - Ar	S 8:23P	A 8:50P	S 8:50P	A 9:55P	A 10:10P	A 10:55P
Phila. 30th St. - Dp	S 8:35P		S 9:10P			

LETTERS AND CHARACTERS

A ...	Final stop to discharge passengers.
S ...	Regular stop to receive or discharge passengers.
S* ...	Regular stop to receive or discharge passengers. May depart up to 3 minutes ahead of scheduled departure time.
R ...	Stops only to receive passengers.
R* ...	Regular stop to receive passengers. May depart up to 3 minutes ahead of scheduled departure time.
D ...	Stops to discharge passengers; may depart ahead of scheduled departure time.
L ...	Stops to receive or discharge passengers; may leave ahead of scheduled departure time.
F...	Flag stop to receive or discharge passengers, after advanced notice to conductor.
H ...	Regular stop; may depart up to 5 minutes ahead of scheduled departure time.
N...	Not a passenger stop; may depart when signal is displayed.
DHD...	Non-revenue train schedule.
LV ...	Gate time — May leave up to 1 minute ahead of scheduled departure time.
q ...	Gate time — May leave up to 2 minutes ahead of scheduled departure time.
RM ...	Reverse Move of train at the location.
+ ...	Operational note at location.
◇ ...	Schedule based on 110 mph equipment in train.
□ ...	Schedule based on High Speed Trainset.
☐ ...	Baggage service provided.

FREQUENCY CODES

D	Daily.
M-F	Monday through Friday.
Mon	Monday only.
M-Sa	Monday through Saturday.
M-Th	Monday through Thursday.
DexFr	Daily Except Friday
ThFr	Thursday and Friday only.
WeFr	Wednesday, Friday only.
WeFrSu	Wednesday, Friday and Sunday only.
Fri	Friday only.
Sat	Saturday only.
Sun	Sunday only.
Su-Fr	Sunday through Friday.
SaSu	Saturday and Sunday only.
Fri	Friday only.

Note: Due to frequent track work schedule changes, public timetables do not always agree with employee times. Also, published public times are different than employee times for S*, R*, H, LV, D, and L stops.

(Page 101 follows)

SPECIAL INSTRUCTIONS

Numbering System

Special Instructions Numbered 34 through 47:

Special Instructions are generally numbered according to the Operating Rule number to which they refer. However, there is a gap between Rule 30 and Rule 70 in the Operating Rules. Certain of the missing numbers have therefore been assigned to the following operations:

Passenger Train Operation	34
Freight Train Operation	35
Passenger and Freight Train Operation	36
Speeds-Maximum and Various	37
Engine and Special Load Restrictions	40
Other Load and Equipment Restrictions	41
Wreck Derricks	42
Close Clearance	43
Hazardous Materials	45
Electrical Operation	47

Line Specific Special Instructions:

Special Instructions that refer to a specific line of railroad are listed following the applicable station page and are further identified by a letter(s) according to the line:

B	Main Line—New Haven to Boston
C	36 th Street Connection
D	Dorchester Branch
G	Main Line—Philadelphia to Harrisburg
H	Main Line—Harold to CP 216
L	Lehigh Line Connection
M	Main Line—Mill River to Springfield
N	Main Line—New York to Philadelphia
NG	Niagara Whirlpool Bridge
O	Middleboro Main Line
P	Main Line—Philadelphia to Washington
PR	Post Road Branch
T	New York Terminal District
U	Main Line—New York to Hoffmans
W	Washington Terminal

System Special Instructions:

Special Instructions that are not specific to a line of railroad are identified by the letter “S” to denote that they are System Special Instructions.

High Speed Trainset & HHP-8 Special Instructions:

Special Instructions which pertain only to the operation of High Speed Trainsets (HST) and HHP-8 locomotives are identified by the letter “A” to denote that they are HST & HHP-8 Special Instructions.

Appendix A:

Timetable Appendix “A” contains emergency procedures for the New York tunnels, and must be placed at the end of the Timetable.

(Continued on Next Page)

SPECIAL INSTRUCTIONS

Letters and Symbols Used in the Station Pages and Special Instructions

DED	.....	Dragging Equipment detector
HBD	.....	Hot Box detector
RA HB/DED	.....	Radio Alarm Hot Box/Dragging Equipment Detector
IS	.....	Interlocking Station
P	.....	In service part time
PS	.....	Passenger Station
R	.....	Remotely controlled from
X	.....	In service continuously
Br	.....	Indicates a bridge
Cv or Cvs	.....	Indicates curve or curves

MAIN LINE—NEW HAVEN TO BOSTON (NHB)

STATIONS		MP	INT	PS	NOTES
NEW HAVEN		72.3	...	X	4
CP 273	R-MNR Section G RTC	72.4	X	...	...
CP 274	R-MNR Section G RTC	72.7	X	...	...
DIVISION POST (MNR)		72.9	...	...	...
MILL RIVER	R-Shore Line TD (Main Line-Mill River to Springfield) (CSX)(P & W RR)	73.6	X	...	...
SHORE LINE JCT	R-Shore Line TD	75.2	X	...	...
BRANFORD STATION		81.4	...	X	1
BRANFORD	R-Shore Line TD	81.5	X	...	...
PINE	R-Shore Line TD	82.8	X	...	6
ORCHARD	R-Shore Line TD	83.1	X	...	6
MEADOW	R-Shore Line TD	88.4	X	...	2
GUILFORD STATION		88.8	...	X	...
TRIEBEL	R-Shore Line TD	89.2	X	...	2
GUILFORD	R-Shore Line TD	90.4	X	...	...
MADISON		92.8	...	X	1
CLINTON		96.8	...	X	1
WESTBROOK		101.2	...	X	...
BROOK	R-Shore Line TD	103.6	X	...	...
SAYBROOK	R-Shore Line TD	104.7	X	...	...
OLD SAYBROOK		105.1		X	...
VIEW	R-Shore Line TD	105.9	X	...	...
CONN	R-See SI 900-B1 (Mvble. Brdg. Connecticut River)	106.8	X	...	...
CRESCENT	R-See SI 900-B1	115.0	X	...	...
NAN	R-See SI 900-B1 (Mvble. Brdg. Niantic River)	116.7	X	...	...
SHAWS COVE	R-See SI 900-B1 (Mvble. Brdg.) (NECR Connection)	122.5	X	...	...
NEW LONDON		122.9	...	X	3
GROTON	R-See SI 900-B1 (Mvble. Brdg. Thames River) (P&W R.R.)	124.2	X	...	...
PALMERS COVE	R-See SI 900-B1	128.1	X	...	2
MYSTIC RIVER	R-See SI 900-B1 (Mvble. Brdg.)	131.9	X	...	...
MYSTIC STATION		132.3	...	X	...
STATE LINE (Conn.-R.I.)		141.1	...	...	...
WESTERLY		141.3	...	X	...
HIGH ST	R-See SI 900-B1	142.9	X	...	...
KINGSTON STATION		158.1	...	X	...
KINGSTON	R-See SI 900-B1	158.8	X	...	...
WICKFORD JUNCTION		165.9	...	X	...
STONY	R-See SI 900-B1	166.5	X	...	8
DAVISVILLE	R-See SI 900-B1 (Providence & Worcester R.R.)	168.0	X	...	...

MAIN LINE—NEW HAVEN TO BOSTON (NHB)

STATIONS		MP	INT	PS	NOTES
MALCOLM	R-Main Line TD	169.9	X	...	2
PACKARD	R-Main Line TD	175.0	X	...	...
T.F. GREEN AIRPORT		176.8	...	X	...
POST	R-Main Line TD	178.5	X	...	8
CRANSTON	R-Main Line TD (P & W RR)	181.2	X	...	...
ATWELLS	R-Main Line TD	184.2	X	...	...
BRAYTON	R-Main Line TD	184.9	X	...	9
PROVIDENCE		185.1	...	X	...
ORMS	R-Main Line TD	185.6	X	...	...
PAWTUCKET	R-Main Line TD	187.1	X	...	2
LAWN	R-Main Line TD (Providence & Worcester R.R.)	188.6	X	...	...
STATE LINE	(Mass.-RI)	190.8	...	...	...
SOUTH ATTLEBORO		191.9	...	X	...
HEBRONVILLE	R-Main Line TD	193.3	X	...	...
EAST JUNCTION		194.4	...	...	...
THATCHER	R-Main Line TD	196.2	X	...	8
ATTLEBORO		196.9	...	X	...
BORO	R-Main Line TD (Middleboro Sec. Trk CSX)	197.2	X	...	7
HOLDEN	R-Main Line TD	198.1	X	...	...
MANSFIELD STATION		204.0	...	X	...
MANSFIELD	R-Main Line TD (Framingham Sec. Trk CSX)	204.0	X	...	...
SHARON		210.8	...	X	...
JUNCTION	R-Corridor TD (Stoughton Branch)	213.9	X	...	...
CANTON JUNCTION		213.9	...	X	...
ROUTE 128		217.3	...	X	...
TRANSFER	R-Corridor TD (Dorchester Branch)	218.5	X	...	...
READVILLE		219.2	...	X	...
READ	R-Corridor TD (Franklin Branch)	219.6	X	...	...
HYDE PARK		220.3	...	X	...
FOREST	R-Corridor TD (Needham Branch)	223.5	X	...	...
FOREST HILLS		223.7	...	X	...
PLAINS	R-Corridor TD (Needham Branch)	224.3	X	...	...
RUGGLES ST		226.5	...	X	...
BACK BAY		227.6	...	X	...
COVE	R-Terminal TD (Boston Line-CSX)	228.0	X	...	5
TOWER 1	R-Terminal TD (Dorchester Branch)	228.5	X	...	5
BOSTON	(South Station)	228.7	...	X	...

- Notes on Next Page -

MAIN LINE—NEW HAVEN TO BOSTON (NHB)

Mile Post distances are measured from New York, GCT (MNR).

The direction from New Haven to Boston is East.

Note 1: SI 121-B1 applies.

Note 2: Interlocking Rules apply on No. 2 and No. 4 tracks only.

Note 3: Rule 121(c) applies on No. 1 & 2 tracks only. Rule 121(b) applies on No. 6 track (NECR Connection).

Note 4: All movements in New Haven Yard, except in Parcel G, must use MN radio channel 056-056.

Note 5: Remotely controlled by Dorchester TD on weekends, beginning 11:00 PM Friday, until 11:00 PM Sunday.

Note 6: Int Rules apply on No. 1 trk & Controlled Siding only.

Note 7: Interlocking Rules apply on No. 4 track only.

Note 8: Interlocking Rules apply on No. 1 and No. 3 tracks only.

Note 9: Interlocking Rules apply on Nos. 1, 3, 5 & 7 tracks only.

240-B1. SIGNAL RULES and CURRENT OF TRAFFIC

251: On tracks where Rule 251 is in effect, the letter in parentheses () denotes the current of traffic: E=East, W=West, N=North, S=South. ABS Rules and CSS Rules 550 through 561 are in effect for movements with the current of traffic. Non-Signalled DCS Rules are in effect for movements against the current of traffic.

261: On trks where Rule 261 is in effect, ABS Rules & CSS Rules 550–561 are in effect for movements in both directions.

562: On tracks where Rule 562 is in effect, Rule 261, ABS Rules, and CSS Rules 550 through 563 (except Rules 554 and 556), are in effect for movements in both directions.

ACSES Rules: On tracks where the letter “A” follows the rule number, ACSES Rules 580–591 are in effect for movements in both directions.

Between	Tracks from South to North				Notes
	6	4	2	1	
CP 274 & Mill River	261	261	261	261	...
Between	Tracks from South to North				Notes
	4	2	1	3	
Mill River & Shore Line Jct	...	261-A	261-A	...	...
Shore Line Jct & Branford	...	562-A	562-A	...	...
Branford & Pine	...	562-A	261-A	...	...
Pine & Orchard	...	562-A	261-A	...	...
Pine Orchard Siding					3
Orchard & Meadow	...	562-A	562-A	...	...
Meadow & Triebel	261-A	261-A	562-A	...	...
Triebel & Guilford	...	261-A	562-A	...	...
Guilford & Brook	...	562-A	562-A	...	...
Brook & Saybrook	261-A	261-A	261-A	261-A	...
Saybrook & View	...	261-A	261-A	261-A	...
Gauntlet Track					5
View & Conn	...	261-A	261-A	...	...
Conn & Crescent	...	562-A	562-A	...	...
Crescent & Nan	...	261-A	261-A	...	...
Nan & Shaws Cove	...	562-A	562-A	...	...
Shaws Cove & Groton	...	261-A	261-A	...	...
Groton & Palmers Cove	261-A	261-A	562-A	...	...
Palmers Cove & Stony	...	562-A	562-A	...	...

(240-B1. Cont'd)

Between	Tracks from South to North				Notes
	4	2	1	3	
Stony & Davisville	...	562-A	261-A	...	9
Davisville & Malcolm	...	261-A	562-A	...	6
Malcolm & Packard	...	562-A	562-A	...	...
Packard & Cranston	...	261-A	261-A	261-A	...
Cranston & Atwells	...	261-A	261-A	261-A	...
Atwells & Hebronville	...	261-A	261-A	...	4, 7, 8
Hebronville & Thatcher	261-A	261-A	261-A	...	...
Thatcher & Holden	261-A	261-A	261-A	261-A	...
Holden & Transfer	...	261-A	261-A	...	...
Transfer & Cove	...	261-A	261-A	261-A	...
Cove & Tower 1	Int. Rules in effect on Tracks Nos. 2, 1, 3, 5 & 7.				1, 2

Note 1: Int Rules in effect on Station trks 1–13 between Tower 1 & Boston. Station trks 1–13 are designated Main trks.

Note 2: CSS Rules 550 through 561 are in effect on Trks 2, 1, & 3, for all movements in both directions to and from Main Line-New Haven to Boston.

Note 3: Rule 261, ABS, CSS Rules 550–561, and ACSES Rules 580–591 in effect on Pine Orchard Siding.

Note 4: Providence - Station Trks. 3 & 5 between Orms & Brayton designated Main Track, Rule 261-A in effect.

Note 5: Rule 261 in effect, CSS Rules are not in effect.

Note 6: No. 4 track within Malcolm Interlocking extends west 7,493 feet to “Begin/End Signal Territory” sign.

Note 7: West of Pawtucket Int, Trk 4 designated Turnkey Industrial Trk; East of int, designated as yard trk.

Note 8: No. 7 trk designated Main Track between Atwells and Orms. Rule 261-A in effect.

Note 9: No. 3 trk within Stony Int extends west 2521 feet to “Begin/End Signal Territory” sign.

37-B1. PASSENGER TRAINS and FREIGHT TRAINS MAXIMUM SPEEDS and SPEED RESTRICTIONS, UNLESS OTHERWISE RESTRICTED

Locations and speeds shown in normal type are maximum authorized speeds. Locations and speeds shown in **bold type** are speed restrictions. *Maximum equipment speeds listed in SI 37-S5 (pgs. 279-292) must not be exceeded.*

Where speeds change at an interlocking and the specific point where the speed change occurs is not specified, the lower speed will apply through the entire interlocking.

PASSENGER TRAIN TYPE “A”, “B”, “C” & “D” SPEEDS
Train Type A refers to High Speed Trainsets (HST) with tilt system active .
Train Type B refers to (1) HST’s with tilt system disabled ; and (2) trains consisting exclusively of HHP-8, AEM-7, ACS-64, P40BH, P42BH, or P32-BWH engines, and Amfleet, Horizon, and Capitoliner Control cars, or US DOT Test Car DOTX 216.
Train Type C refers to passenger trains that do not meet the criteria for train types A, B, or D.
Train Type D refers to passenger trains with mail, baggage or express cars in consist, that meet the Train Type D criteria defined in SI 37-S8, page 293.
NOTE: Trains must not exceed 110 MPH between New Haven and Boston unless ACSES is in service on the affected track. (See SI 580-B1, page 124)
NOTE: Train Type “D” trains must not exceed 60 MPH when operating with inoperative cab signals.

37-B1. (Cont'd)

PASSENGER TRAIN TYPE "A", "B", "C" & "D" SPEEDS

Between/At	Train Type "A"			Train Type "B"			Train Type "C"			Train Type "D"		
	Track Nos.			Track Nos.			Track Nos.			Track Nos.		
	2	1	Other	2	1	Other	2	1	Other	2	1	Other
Division Post & Mill River	50	50	...	50	50	...	35	35	...	35	35	...
Nos. 4 & 6 Trks.	...	...	35	...	...	35	...	...	35	...	...	35
Mill River & MP 76	70	70	...	70	70	...	70	70	...	70	70	...
Cv MP 74.1 & MP 74.2	...	...	...	...	...	...	55	55	...	55	55	...
Cv MP 74.2 & MP 76.0	...	...	...	65	65	...	60	60	...	60	60	...
Shore Line Jct Int limits	60	60	...	60	60	...	60	60	...	60	60	...
MP 76 & MP 81.7	80	80	...	70	70	...	70	70	...	70	70	...
Cv MP 77.9 & MP 78.1	75	75	...	65	65	...	60	60	...	60	60	...
Cv MP 80.0 & MP 80.2	75	75	...	...	...	...	60	60	...	60	60	...
Cvs MP 81.1 & MP 81.7	60	60	...	55	55	...	50	50	...	50	50	...
MP 81.7 & MP 85.6	120	120	...	110	110	...	90	90	...	90	90	...
Cv MP 81.7 & MP 82.4	110	110	...	100	100	...	...	...	...	...	...	...
Cv MP 83.2 & MP 83.7	110	110	...	100	100	...	...	...	...	...	...	...
Pine & Orchard: Pine Orchard Siding . . . . .	...	...	30	...	...	30	...	...	30	...	...	30
MP 85.6 & MP 87.5	95	95	...	95	95	...	90	90	...	90	90	...
Cv MP 85.6 & MP 86.0	85	85	...	80	80	...	70	70	...	70	70	...
Cv MP 87.2 & MP 87.5	85	85	...	75	75	...	65	65	...	65	65	...
MP 87.5 & MP 88.3	115	115	...	100	100	...	90	90	...	90	90	...
MP 88.3 & MP 94	125	125	...	115	115	...	...	...	...	...	...	...
Meadow & Triebel: No. 4 Track . . . . .	...	...	45	...	...	45	...	...	45	...	...	45
Cv MP 93.0 & MP 93.3	100	100	...	90	90	...	80	80	...	80	80	...
MP 94 & MP 99.7	120	120	...	95	95	...	90	90	...	90	90	...
Cv MP 94.4 & MP 94.8	85	85	...	80	80	...	70	70	...	70	70	...
Cv MP 96.2 & MP 96.6	105	105	...	...	...	...	85	85	...	85	85	...
MP 99.7 & MP 103.9	90	90	...	90	90	...	90	90	...	90	90	...
Cv MP 99.7 & MP 100.1	...	...	...	80	80	...	70	70	...	70	70	...
Cv MP 100.1 & MP 101.0	...	...	...	85	85	...	80	80	...	80	80	...
Cv MP 102.0 & MP 102.2	80	80	...	70	70	...	65	65	...	65	65	...
Cv MP 103.7 & MP 103.9	...	...	...	85	85	...	75	75	...	75	75	...
MP 103.9 & View	110	110	...	90	90	...	90	90	...	90	90	...
Brook & Saybrook: No. 3 Track . . . . .	...	...	30	...	...	30	...	...	30	...	...	30
No. 4 Track . . . . .	...	...	15	...	...	15	...	...	15	...	...	15
Saybrook & View: No. 3 Trk . . . . .	...	...	30	...	...	30	...	...	30	...	...	30
Saybrook & MP 104.9: No. 3 Trk . . . . .	...	...	15	...	...	15	...	...	15	...	...	15
View & Conn	110	110	...	80	80	...	80	80	...	80	80	...

37-B1. (Cont'd)

PASSENGER TRAIN TYPE "A", "B", "C" & "D" SPEEDS

Between/At	Train Type "A"			Train Type "B"			Train Type "C"			Train Type "D"		
	Track Nos.			Track Nos.			Track Nos.			Track Nos.		
	2	1	Other	2	1	Other	2	1	Other	2	1	Other
Conn & MP 109.6	110	110	...	80	80	...	75	75	...	75	75	...
Cv MP 106.3 & MP 106.6	70	70	...	55	55	...	45	45	...	45	45	...
Conn Int (Moveable Span Only) . . .	45	45	...	45	45	...	45	45	...	45	45	...
Conn Int limits	60	60	...	60	60	...	60	60	...	60	60	...
Cv MP 107.0 & MP 107.4	90	90	...	...	...	...	70	70	...	70	70	...
MP 109.6 & Nan	90	90	...	80	80	...	75	75	...	75	75	...
Cvs MP 112.1 & MP 112.8	70	70	...	65	65	...	60	60	...	60	60	...
Nan & MP 123	75	75	...	65	65	...	65	65	...	65	65	...
Nan Int limits	70	70	...	65	65	...	65	65	...	65	65	...
Cv MP 118.8 & MP 119.3	75	75	...	...	...	...	60	60	...	60	60	...
Cv MP 120.8 & MP 121.6	60	60	...	55	55	...	50	50	...	50	50	...
Shaw's Cove Int limits	60	60	...	60	60	...	60	60	...	60	60	...
Cvs MP 122.4 & MP 123	25	25	...	25	25	...	20	20	...	20	20	...
MP 123 & MP 124	40	40	...	40	40	...	35	35	...	35	35	...
MP 124 & MP 126.5	65	65	...	60	60	...	60	60	...	60	60	...
Groton & MP 127.0: No. 4 Trk . . . . .	...	...	10	...	...	10	...	...	10	...	...	10
Cv MP 124.0 & MP 124.3	50	50	...	50	50	...	40	40	...	40	40	...
Cv MP 125.3 & MP 125.7	60	60	...	55	55	...	50	50	...	50	50	...
Cv MP 126.3 & MP 126.5	...	...	...	...	...	...	55	55	...	55	55	...
MP 126.5 & MP 132	90	90	...	80	80	...	70	70	...	70	70	...
MP 127 & Palmers Cove: No. 4 Trk . . . . .	...	...	10	...	...	10	...	...	10	...	...	10
Cv MP 129.3 & MP 129.8	70	70	...	65	65	...	55	55	...	55	55	...
Cv MP 129.8 & MP 130.1	75	75	...	70	70	...	65	65	...	65	65	...
Cv MP 131.2 & MP 131.9	80	80	...	75	75	...	65	65	...	65	65	...
Br MP 131.9 & MP 132.0	60	60	...	60	60	...	60	60	...	60	60	...
MP 132 & MP 136.4	75	75	...	70	70	...	70	70	...	70	70	...
Cv MP 132.0 & MP 132.5	60	60	...	60	60	...	50	50	...	50	50	...
Cv MP 133.6 & MP 134.0	70	70	...	65	65	...	55	55	...	55	55	...
Cv MP 134.9 & MP 135.4	...	...	...	65	65	...	60	60	...	60	60	...
Cv MP 135.4 & MP 135.7	...	...	...	65	65	...	60	60	...	60	60	...
Cv MP 135.9 & MP 136.4	65	65	...	60	60	...	50	50	...	50	50	...
MP 136.4 & MP 142.1	90	90	...	80	80	...	80	80	...	80	80	...
Crossings: MP 136.4 & MP 136.7	80	80	...	...	...	...	...	...	...	...	...	...
Cvs MP 138.5 & MP 141.5	...	...	...	...	...	...	75	75	...	75	75	...
Palmer St. X'ing (MP 140.6)	...	...	...	...	...	...	75	75	...	75	75	...
Cv MP 141.8 & MP 142.1	85	85	...	...	...	...	70	70	...	70	70	...
MP 142.1 & MP 145.5	90	90	...	90	90	...	90	90	...	90	90	...

37-B1. (Cont'd)

PASSENGER TRAIN TYPE "A", "B", "C" & "D" SPEEDS

Between/At	Train Type "A"			Train Type "B"			Train Type "C"			Train Type "D"		
	Track Nos.			Track Nos.			Track Nos.			Track Nos.		
	2	1	Other	2	1	Other	2	1	Other	2	1	Other
Cv MP 142.4 & MP 142.7	...	...	...	80	80	...	80	80	...	80	80	...
Cv MP 144.1 & MP 144.6	...	...	...	80	80	...	75	75	...	75	75	...
Cv MP 145.1 & MP 145.5	85	85	...	75	75	...	70	70	...	70	70	...
MP 145.5 & MP 154.3	105	105	...	90	90	...	90	90	...	90	90	...
Cv MP 147.3 & MP 148.1	95	95	...	85	85	...	75	75	...	75	75	...
Cv MP 150.8 & MP 151.0	95	95	...	...	...	...	80	80	...	80	80	...
Cv MP 151.9 & MP 152.5	85	85	...	80	80	...	70	70	...	70	70	...
Cv MP 154.0 & MP 154.3	90	90	...	85	85	...	75	75	...	75	75	...
MP 154.3 & MP 171.7	150	150	...	150	150	...	110	110	...	90	90	...
Cv MP 159.7 & MP 160.5	130	130	...	120	120	...	100	100	...	...	...	...
Stony Int: No. 3 Trk	...	...	45	...	...	45	...	...	45	...	...	45
Malcolm Int: No. 4 Trk	...	...	45	...	...	45	...	...	45	...	...	45
Cv MP 170.5 & MP 170.9	130	130	...	125	125	...	...	105	...	...	...	...
MP 171.7 & MP 174.5	115	115	...	115	115	...	110	110	...	90	90	...
Cv MP 171.7 & MP 172.3	110	110	...	95	95	...	85	85	...	85	85	...
Cv MP 173.0 & MP 173.4	...	...	...	105	105	...	90	90	...	...	...	...
Cv MP 174.0 & MP 174.5	105	105	...	100	100	...	85	85	...	85	85	...
MP 174.5 & MP 180.5	150	150	...	125	125	...	110	110	...	90	90	...
Packard & MP 181.7: No. 3 Trk	...	...	50	...	...	50	...	...	50	...	...	40
No. 3 Trk:												
Cvs MP 176.3 & MP 176.6	...	...	45	...	...	45	...	...	45	...	...	...
Cvs MP 176.6 & MP 176.7	...	...	25	...	...	25	...	...	25	...	...	25
Cv MP 177.6	...	...	45	...	...	45	...	...	45	...	...	...
Cvs MP 178.7 & MP 179.1	...	...	40	...	...	40	...	...	40	...	...	...
Cvs MP 180.1 & MP 180.4	...	...	45	...	...	45	...	...	45	...	...	...
Cv MP 180.1 & MP 180.2	120	120	...	105	105	...	90	90	...	...	...	...
Cv MP 180.2 & MP 180.5	110	110	...	100	100	...	90	90	...	...	...	...
MP 180.5 & MP 181.7	100	100	...	90	90	...	80	80	...	80	80	...
No. 3 Trk: MP 181.7 & MP 183.1	...	...	45	...	...	45	...	...	45	...	...	40
MP 183.1 & MP 183.6	...	...	30	...	...	30	...	...	30	...	...	30
MP 183.6 & East Limits Atwells	...	...	25	...	...	25	...	...	25	...	...	25
MP 181.7 & Providence	70	70	...	60	60	...	60	60	...	60	60	...
Atwells & Orms: No. 7 Trk	...	...	20	...	...	20	...	...	20	...	...	20
Cv MP 181.7 & MP 181.9	55	55	...	50	50	...	45	45	...	45	45	...
Cv MP 182.3 & MP 182.8	65	65	...	...	...	...	50	50	...	50	50	...
Cvs MP 184.3 & MP 184.8	60	60	...	55	55	...	45	45	...	45	45	...
Cv West of Providence	30	30	...	30	30	...	30	30	...	30	30	...
Providence & MP 190.5	70	70	...	70	70	...	70	70	...	70	70	...
Station Tracks 3 & 5	...	...	25	...	...	25	...	...	25	...	...	25
Providence Sta. Platforms	30	30	...	30	30	...	20	20	...	20	20	...

37-B1. (Cont'd)

PASSENGER TRAIN TYPE "A", "B", "C" & "D" SPEEDS

Between/At	Train Type "A"			Train Type "B"			Train Type "C"			Train Type "D"		
	Track Nos.			Track Nos.			Track Nos.			Track Nos.		
	2	1	Other	2	1	Other	2	1	Other	2	1	Other
Cv East of Providence	30	30	...	25	25	...	20	20	...	20	20	...
Cvs MP 185.4 & MP 186.4	60	60	...	55	55	...	50	50	...	50	50	...
Cv MP 188.7 & MP 189.2	60	60	...	55	55	...	50	50	...	50	50	...
Cvs MP 189.5 & MP 190.5	60	60	...	55	55	...	50	50	...	50	50	...
MP 190.5 & MP 194.5	125	125	...	125	125	...	110	110	...	90	90	...
Hebronville & Thatcher: No. 4 Track	...	...	60	...	...	60	...	...	60	...	...	60
Cv Hebronville & MP 194.5 . No. 4 Track	110	110	...	100	100	...	90	90	...	...	...	...
Thatcher & Holden: No. 3 Track	...	...	80	...	...	80	...	...	80	...	...	80
No. 4 Track	...	...	60	...	...	60	...	...	60	...	...	60
MP 194.5 & MP 205	150	150	...	150	150	...	110	110	...	90	90	...
MP 205 & Transfer	130	130	...	120	120	...	100	100	...	90	90	...
Cv MP 206.6 & MP 207.0	125	125	...	115	115	...	...	...	...	...	...	...
Cv MP 213.0 & MP 213.8	125	125	...	...	115	...	...	...	...	...	...	...
Transfer & MP 226	120	120	...	110	110	...	100	100	...	90	90	...
Transfer & Read: No. 3 Track	...	...	60	...	...	60	...	...	60	...	...	60
Read & Forest: No. 3 Track	...	...	80	...	...	80	...	...	80	...	...	80
Forest & MP 226: No. 3 Track	...	...	100	...	...	100	...	...	100	...	...	100
Cv MP 220.4 & MP 220.7	...	...	...	105	105	...	95	95	...	...	...	...
Cv MP 222.1 & MP 222.3	115	...	...	105	...	...	90	95	...	...	...	...
MP 226 & MP 227	120	120	...	110	110	...	100	100	...	90	90	...
No. 3 Track	...	...	100	...	...	100	...	...	100	...	...	90
MP 227 & West Limits Cove Int	60	60	...	60	60	...	60	60	...	60	60	...
No. 3 Track	...	...	60	...	...	60	...	...	60	...	...	60
Cv MP 227.3 & MP 228 . . . No. 3 Track	30	30	...	30	30	...	25	25	...	25	25	...
Within Limits Cove	30	30	...	30	30	...	25	25	...	25	25	...
No. 3 Track	...	...	30	...	...	30	...	...	25	...	...	25
Tracks 5 & 7	...	...	30	...	...	30	...	...	30	...	...	30
Cove: Diverting between No. 1 & No. 2 Tracks	...	...	15	...	...	15	...	...	15	...	...	15
East Limits Cove & Tower 1:	All Tracks — 15 MPH						All Tracks — 15 MPH					
Tower 1 & Boston:	All Tracks — 10 MPH						All Tracks — 10 MPH					

37-B1. (Cont'd)

FREIGHT TRAIN TYPE "E" SPEEDS

NOTE: Freight trains with inoperative cab signals must operate in accordance with S.I. 555-B1, page 124.

Between/At	Train Type "E"		
	Track Nos.		
	No. 2	No. 1	Other
Division Post & Mill River	20	20	...
Nos. 4 & 6 Trks. . . . .	...	...	20
Mill River & Shore Line Jct	20	20	...
Shore Line Jct, Diverting movements . . . . .	...	...	10
Shore Line Jct & MP 77	30	30	...
MP 77 & Pine	40	35	...
Pine & Orchard	50	20	...
Pine & Orchard: Pine Orchard Siding			20
Orchard & Brook	50	50	...
Meadow & Triebel: No. 4 Trk . . . . .	...	...	20
Brook & Saybrook	50	50	...
Nos. 3 & 4 Trks. . . . .	...	...	10
Within Limits of Saybrook Int	45	45	...
Saybrook & View	45	45	...
No. 3 Trk . . . . .	...	...	10
View & Conn	25	25	...
Conn & Nan	50	50	...
Within Limits Nan Int	45	45	...
Nan & Shaws Cove	45	45	..
Cv MP 120.8 & MP 122.0	40	40	...
Shaws Cove & Groton	25	25	...
Cv MP 122.7 & MP 123.0	15	15	...
Groton & Palmers Cove	40	40	...
No. 4 Trk. . . . .	...	...	10
Cv at Groton Int	35	...	...
Palmers Cove & Mystic	35	35	...
Within Limits Mystic Int	40	40	...
Mystic & High St	50	50	...
Cv MP 132.0 & MP 132.5	40	40	...
High St & Kingston	50	50	...
Cv MP 151.9 & MP 152.5	45	45	...
Kingston & Cranston	50	50	...
Stony Int: No. 3 Trk			Restricted Speed
Malcolm Int: No. 4 Trk			30 MPH
Packard & MP 181.7: No. 3 Trk . . . . .	...	...	40
Cvs MP 176.6 & MP 176.7: No. 3 Trk	...	...	25
MP 181.7 & MP 183.1: No. 3 Trk	...	...	40
MP 183.1 & MP 183.6: No. 3 Trk	...	...	30
MP 183.6 & East limits Atwells: No. 3 Trk . . . . .	...	...	25
Cranston & East limits Atwells	30	30	...
East limits Atwells to Brayton	15	15	...
Brayton to Orms	15	10	...
Atwells & Orms: No. 7 Trk . . . . .	...	...	20

37-B1. (Cont'd)

FREIGHT TRAIN TYPE "E" SPEEDS

Between/At	Train Type "E"		
	Track Nos.		
	No. 2	No. 1	Other
Orms to MP 190.5	30	30	...
MP 190.5 & Hebronville	50	50	...
Hebronville & Thatcher	50	50	...
No. 4 Trk.	...	...	40
Cv Hebronville & MP 194.5: No. 4 Trk.	...	...	30
Thatcher & Holden	50	50	...
No. 3 Trk.	...	...	50
No. 4 Trk.	...	...	40
Holden & Transfer	50	50	...
Canton Jct Station Platform	40	40	...
Transfer & Read	20	20	...
No. 3 Trk.	..	..	20
Read & Forest	50	50	...
No. 3 Trk.	...	...	45
Forest & Plains	20	20	...
No. 3 trk	...	...	20
Plains & MP 227	45	45	...
No. 3 trk	...	...	45
MP 227 & West Limits Cove	30	30	...
No. 3 trk.	...	...	30
Cv MP 227.3 & MP 228	15	15	...
No. 3 trk	...	...	10
Within Limits Cove Int	25	25	...
Tracks 3, 5 & 7	...	...	25
Cove: Diverting between No. 1 & No. 2 trks.	...	...	10
East Limits Cove & Boston	All Tracks – 10 MPH		

C-B1. OPERATING RULES QUALIFICATION

Amtrak Train & Engine service employees who operate over Metro-North territory solely within the New Haven Terminal area, including CP 274, CP 273, CP 272 & CP 271, are not required to attend a Metro-North Operating Rules Class. Instruction on the Metro-North Operating Rules required for operating in these areas, where they differ from those of Amtrak, will be included in Amtrak Operating Rules classes. This does not relieve such employees from meeting Metro-North's requirements for qualifying on the physical characteristics of the territory involved.

Metro-North Train and Engine service employees who operate over Amtrak between Division Post, MP 72.9 and MP 73.0 are not required to attend a NORAC operating rules class. Instruction on NORAC rules where they differ from those of Metro-North will be given as part of Metro-North rules class. This does not relieve Metro-North's employees from meeting Amtrak's requirements for qualifying on the physical characteristics of the territory involved.

F-B1. TUNNEL/WALL EMERGENCY EXITS

Emergency exits are in service at the following locations on the No. 2 Track side of the Main Line—New Haven to Boston, between Forest Hills and Back Bay: MP 223.87, 224.04, 224.23, 224.45, 224.61, 224.76, 224.96, 225.11, 225.30, 225.54, 225.77, 225.93, 226.04, 226.20, 226.96, 227.15 and 227.31.

F-B2. EMERGENCY TELEPHONES

ATS Telephones are in service at the locations listed below. These telephones are in grey boxes marked with the letter “T” in reflectorized tape. Where practical, telephones are located at the signal bungalow at designated location:

Location	Mile Post	Telephone No.
Cut Section West of Back Bay	227.6	580-7594
West Newton St. Stairwell	227.2	580-7910
Cut Section Wellington St.	227.1	580-7583
Ruggles St.	226.5	580-7584
Plains	224.3	580-7588
Forest	223.5	580-7589

1-B1. SHORE LINE EAST CUSTOMER SERVICES NOTICES

Shore Line East (SLE) Customer Services employees must read and comply with all SLE Customer Services Notices that are addressed to them. They are not required to carry these notices while on duty, but must be conversant with the contents of all notices in effect. SLE Customer Services Notices will be:

- ▶ Issued as required by the District Superintendent or staff of Shore Line East Commuter Rail.
- ▶ Numbered sequentially, the number being prefixed by the last two digits of the current year.
- ▶ Distributed and posted at signup locations and Train Dispatchers' office.

1-B2. BOSTON TERMINAL OPERATIONS NOTICE

Boston Terminal Operations Notices (BTON) will be issued as required, and will be numbered sequentially, the number being suffixed by the last two digits of the calendar year. The number of the most recent BTON will be published at the top of the Bulletin Order.

All yard employees working in Southampton Street Yard and Protect Crews reporting at South Station must read and retain a copy of the BTON. Road Crews must read these instructions, but are not required to carry them while on duty.

16-B1. BLUE SIGNAL PROTECTION: BOSTON SOUTH STATION TRACK 1 THROUGH 13

The following blue signal protection procedures apply on Boston South Station tracks 1-13, which are designated as Main Tracks in SI 240-B1.

Responsibility of All Mechanical Employees

Mechanical employees must not perform any work that requires blue signal protection until assured by the Mechanical Foreman or qualified craft employee in charge that blue signal protection has been provided.

Responsibilities of Mechanical Foreman or Qualified Craft Employee

Before authorizing or performing any work that requires blue signal protection, the requirements regarding Blue Signal Protection on Main Tracks must be complied with. If supplemental protection is desired, the Mechanical Foreman or qualified craft employee in charge may obtain additional protection by taking the following actions:

1. Contact the Terminal Train Dispatcher on radio channel 054-054 to obtain “Supplemental Blue Signal Protection” on the required track.

NOTE: The protection is considered “supplemental” because the law that governs blue signal protection on Main Tracks requires only actions 2 and 3 below.

2. Display a Blue Signal at each end of the equipment to be worked.
3. Attach a Blue Signal to the controlling engine(s) at a location where it will be clearly visible to an employee at the controls of that engine.

After all work has been completed, the individual who requested the “Supplemental Blue Signal Protection” will check to see that all employees are in the clear, then call the Dispatcher to give up the protection.

16-B1. (Cont'd)

Responsibilities of Terminal Train Dispatcher

The Terminal Train Dispatcher must take the following actions when granting "Supplemental Blue Signal Protection":

1. Before granting "Supplemental Blue Signal Protection," the Dispatcher must apply blocking devices to prevent the display of any signal leading to the affected track.
2. Once "Supplemental Blue Signal Protection" is granted, the Dispatcher must not remove the blocking devices or authorize any equipment to enter the track until informed by the employee in charge of the workmen that the work has been completed.
3. The Dispatcher must immediately make a written record on the prescribed form of the application and removal of the blocking device protection. This record must be retained for 15 days following the date of removal.

19-B1. ENGINE WHISTLE OR HORN SIGNALS - BOSTON SOUTH STATION

All trains must sound engine whistle signal two short sounds prior to moving from platform.

20-B1. ENGINE BELL

The engine bell must be sounded continuously when operating within Tower 1 limits.

34-B1. TRAIN APPROACH MESSAGE SYSTEM (TAMS)

Train Approach Message System (TAMS) is in service at the following stations: Branford, Guilford, Madison, Clinton, Westbrook, Mystic, Westerly, Kingston, South Attleboro, Mansfield, Sharon, Canton Jct., Route 128, Readville, Hyde Park, Forest Hills and Ruggles.

If TAMS is not functioning properly at any of these stations, the Dispatcher must:

1. Issue a 110 MPH speed restriction on the affected track(s), with limits designated to protect the affected station(s).
2. Issue verbal or Form D line 13 instructions requiring trains not scheduled to stop at the affected station(s) to blow one long sound of the engine horn when approaching each affected station on a track adjacent to a station platform.

Exception: The 110 MPH speed restriction and horn requirement will not be necessary when on-ground personnel are provided to protect the station(s) where a TAMS failure has occurred. These persons must monitor train movements through the CETC office and radio communication with trains. They must notify passengers to remain behind the yellow line when a train is approaching. Only the following categories of personnel may be relied upon to provide on-ground protection:

1. A train crew member.
2. A uniformed law enforcement officer (railroad or police).
3. A uniformed Customer Services employee.
4. An employee who is equipped by day with an orange vest, shirt or jacket; and by night with a retroreflective orange, white or yellow vest, shirt or jacket.

35-B1. PROVIDENCE STATION: FREIGHT TRAINS

Freight trains containing cars which exceed Plate C dimensions are prohibited from operating on Nos. 1, 2, 3 and 5 tracks.

36-B1. PROVIDENCE STATION: STOP LOCATIONS

Eastward trains stopping at Providence Station must stop locomotive(s) outside of the station tunnel. Westward trains stopping at Providence Station must stop locomotive(s) under exhaust vent openings at the west end of the station platforms.

36-B2. PROVIDENCE YARD: ENGINE STORAGE

Train crews must store engines on the west end of Track 21 in the Engine Storage Area at the completion of work.

36-B3. BACK BAY TUNNEL

Engines and control cars must not exceed the sixth throttle position while operating through the Back Bay Tunnel.

36-B4. BACK BAY – LOCATIONS FOR TRAINS STOPPING

Diesel Engines	Must not be stopped under Bridge 228.41, Harrison Ave.
Eastward Trains	Must stop locomotive(s) east of the low station ceiling.
Westward Trains	Must spot train with locomotive(s) entirely west of the escalator.

36-B5. SOUTH STATION: DIESEL OPERATION

All trains arriving South Station must not be stopped with diesel locomotive(s) under overhead bus terminal, unless otherwise instructed by the Terminal Train Dispatcher. For reference, car markers have been installed on all platforms.

Trains arriving South Station on Tracks 8, 9, and 10 may pull down to the end of track. Vent fans for Tracks 8, 9, and 10 are installed and in service.

NOTE: This instruction does not apply to double drafts. When necessary for double draft to be brought into the station it must not remain longer than necessary.

36-B6. PROVIDENCE STATION TUNNEL: DIESEL OPERATION

Engines and control cars must not exceed the fifth throttle position while operating through the Providence Station Tunnel.

37-B2. SPEEDOMETER CHECKING: MEASURED MILES

The distance between the sets of Mile Posts listed below is a measured mile. White marker posts are installed on both sides of the tracks at locations marked with an asterisk(*).

*MP 78- *MP 79	MP 150- MP 151	MP 199-*MP 200
*MP 83- *MP 84	MP 154- MP 155	*MP 200-*MP 201
MP 93- MP 94	MP 161- MP 162	MP 214- MP 215
MP 96- MP 97	MP 163- MP 164	MP 215- MP 216
MP 107- MP 108	*MP 164-*MP 165	MP 217- MP 218
MP 113- MP 114	MP 166- MP 167	MP 219- MP 220
MP 115- MP 116	MP 169- MP 170	MP 220- MP 221
MP 119- MP 120	MP 174- MP 175	MP 221- MP 222
MP 131- MP 132	MP 175- MP 176	
MP 149- MP 150	*MP 192-*MP 193	

37-B3. MAXIMUM SPEEDS-OTHER TRACKS

Location/Between	Tracks	Restricted Speed not exceeding
Cove & Broad	Wye Connector	10 MPH
Mill River and Boston	All industrial tracks and yard tracks	10 MPH
New Haven -Parcel G	All, including Loop Track	5 MPH
New Haven - CDOT Shop	All	5 MPH
Clinton	Clinton Siding	15 MPH Psgr. 10 MPH Frt.
Saybrook & View	Gauntlet Track	10 MPH
Groton Interlocking	Wye Tracks	10 MPH
Begin/End Signaled Territory sign at Stony and End of Track	No. 3	10 MPH
Pawtucket (MP 187)	Turnkey Industrial	5 MPH

40-B1. ENGINE AND EQUIPMENT RESTRICTIONS

The numbers shown in the columns to the right of each listed location specify the maximum dimension engines and equipment that may be operated. Engine and equipment dimension specifications are assigned in S.I. 37-S5 (page 279) for equipment authorized to operate on the NEC. Notes shown in parentheses in the location column are defined at the end of the table.

Location	Tracks				
	6	4	2	1	Other
New Haven Station (Metro North)	4	4	4	4	4
No. 6 trk adjacent to retaining wall (a)	...	...	...	...	...
No. 2 trk O.H. Br No. 71.60, Lamberton St . . . (a)	...	...	...	...	...
No. 1 trk O.H. Br No. 71.74, Howard Ave (a)	...	...	...	...	...

Between	Tracks				
	4	2	1	3	Other
New Haven & Davisville	5	5	5	5	...
No. 3 Trk between Stony Int and End of Track . .	...	...	...	...	4
Davisville & Malcolm . . . . .	...	5	5	...	...
No. 4 Industrial Track . . . . .	...	...	...	...	7
Malcolm Interlocking	7	5	5	...	...
Malcolm & Packard	...	7	5	...	...
Packard & Cranston	...	5	5	7	...
Cranston & Atwells	...	5	6	7	...
Atwells & Orms . . . . .	...	4	4	4	...
No. 5 Track . . . . .	...	...	...	...	4
No. 7 Track . . . . .	...	...	...	...	7
Orms & Lawn (b)	...	5	5	...	...
No. 7 Industrial Track . . . . .	...	...	...	...	7
Lawn & Boro (d)	5	5	5	5	...
Boro & Holden	6	5	5	5	...
Holden & Mansfield	...	6	6	...	...
Mansfield & Junction (e)	...	5	5	...	...
Junction & Read (c)	...	5	5	...	...
Read & Plains	...	4	4	5	...
Plains & Cove	...	4	4	4	...
Cove & Tower 1, all tracks	4	4	4	4	4

Notes:
(a) The side mirror(s) must be folded closed against locomotive for movement on this track.
(b) Plate F Cars measuring 17' 0" may operate between Lawn and West River Industrial Park switch on Track 2.
(c) Plate F Cars measuring 17' 0" may operate between Transfer and Route 128 Industrial Park switch on Track 1.
(d) Plate F cars measuring 17' 0" or less may operate on Trk 4 between Boro & Olive St OH Br, MP 196.72, but must not operate under Olive St OH Br.
(e) Plate F and Plate G cars measuring 17' 0" may operate between Mansfield and the Merken's Chocolate Lead track.

41-B1. DOUBLE STACK CARS – CLOSE CLEARANCE

Due to close clearance, operation of double stack cars (loaded or empty) is prohibited on No. 1 Track at New London.

41-B2. CARS EXCEEDING 263,000 POUNDS

Providence & Worcester Railroad (P&W) trains containing cars with gross weight not exceeding 286,000 pounds may operate on all tracks between Lawn (MP 188.6) and New Haven. **Note:** Cars operating on all other segments of the NHB Line are limited to 263,000 pounds, per SI 41-S2, page 294.

43-B1. CLOSE CLEARANCE - EMPLOYEES

(Protecting against personal injury – the following locations will not clear man on side of car)

- (0) New Haven Yard Track – Track 39: The Fuel & Sand facility located on No. 39 track.
- (0) Division Post (MP 72.9) to Boston: All high level passenger station platforms and locations where intertrack fences are erected between main tracks.
- (0) MP 80.59: Between track 1 and cat poles 80-3 through 80-21 (nine structures)
- (0) Saybrook: Fortune Plastics track (MP 104.7), and close clearance with signal case on Track No. 3 at crossover.
- (0) Junction: The retaining wall adjacent to No. 2 track between Chapman St. OH Br MP 214.22 and Spaulding St. OH Br MP 214.33.

45-B1. PROVIDENCE STATION TUNNEL

Freight trains with HAZARDOUS MATERIALS cars in consist must not pass through Providence Station Tunnel area without first communicating with the Main Line Dispatcher. The Main Line Dispatcher must ensure there are no passenger trains operating within Providence Station tunnel and all passengers and employees have been cleared from platform area, prior to authorizing a freight train with HAZARDOUS MATERIALS cars to operate through the tunnel.

47-B1. ELECTRIC ENGINES: MAXIMUM NUMBER OF RAISED PANTOGRAPHS

When more than 2 consecutively coupled AEM-7 locomotives are moved in a train or lite engine consist, pantographs must not be raised on more than 2 locomotives.

47-B2. CATENARY DEAD SECTIONS

The following chart specifies the locations where dead sections are installed in the catenary system between New Haven and Boston. “Dead Section” signs (**black** signs with white letters “DS”) are installed 2 catenary poles before each dead section. “Approach Dead Section” signs (**yellow** signs with white letters “DS”) are installed on catenary poles approximately 15 seconds (based on maximum track speed) before each dead section.

In accordance with AMT-2 Instruction 3.302, Engineers of electric trains must have the throttle in the OFF position while operating through each dead section. In addition to this requirement, Engineers on ACS-64, AEM-7, HHP-8 and HST locomotives/power cars must have the Main Circuit Breaker (MB) switch in the OPEN position while operating through each dead section or voltage change location. Electric trains that stop with a raised pantograph in a dead section or voltage change location must contact the Dispatcher for instructions.

Location Relative to Nearest Station	Specific Location of Each Dead Section			Note
	Trk	West End	East End	
West of Mill River	2 & 4	MP 73.21	MP 73.30	1
	1 & 6	MP 73.17	MP 73.26	
West of Branford	2	MP 78.91	MP 78.98	...
	1	MP 78.93	MP 79.01	
West of Brook	2	MP 103.03	MP 103.13	...
	1	MP 103.06	MP 103.16	
West end Groton	1 & 2	MP 123.62	MP 123.66	2
East of High St	1 & 2	MP 150.10	MP 150.21	...
West of Cranston	1 & 2	MP 176.88	MP 176.99	...
East of Holden	1 & 2	MP 198.92	MP 199.01	...

47-B2. (Cont'd)

Location Relative to Nearest Station	Specific Location of Each Dead Section			Note
	Trk	West End	East End	
East of Sharon	1 & 2	MP 212.30	MP 212.42	...
<p>Note 1: This dead section is also a catenary voltage change location from 12.5KV to 25KV.</p> <p>Note 2: Dead Section Stop Signs (white sign with black letters "DS STOP") in service for eastbound electric trains on Tracks 1 and 2 at MP 123.41. To avoid an unnecessary stop in the dead section at Groton, <i>electric trains</i> operating with a Restricting cab signal or with inoperative cab signals must not pass this sign without permission of the Dispatcher. The Dispatcher must not give this permission until the home signal has been displayed at Groton, or the train has been given Rule 241 permission to pass the home signal in Stop position. Rule 241 permission may be given when the train is stopped at the Dead Section Stop Sign.</p>				

47-B3. MOVEABLE CATENARY UNIT

A Moveable Catenary Unit (MCU) is an apparatus of the catenary structure located on moveable bridges. An MCU allows the catenary structure to disconnect, and moves the catenary to a clear position. Employees whose duties require them to be on the bridge structure during operation must be aware of and take the necessary precautions to avoid injury due to the movement of the MCU. MCU's are now in operation on all moveable bridges.

47-B4. ELECTRIC ENGINES IN CONSIST

All trains, except scheduled Amtrak trains, must not operate with an electric engine in their consist without permission of the Train Dispatcher.

The Dispatcher must notify the connecting dispatching district, division or railroad of any trains operating with electric engines in consist other than scheduled Amtrak trains.

47-B5. NEW HAVEN PARCEL G

Employees who operate electric engines must not pass the sign on the Pit Track at Parcel G in New Haven without permission of the Mechanical Foreman. The sign is located to the right of the Pit Track.

72-B1. TRAIN INSPECTION DETECTORS

Type of Detector	Mile Post Location	Direction of Operation	Trk(s)	Recorder Location	Notes
RA HB/DED	79.0	East & West	1 & 2	East Haven	1
RA HB/DED	107.9	East & West	1 & 2	Soundview	1
RA HB/DED	127.8	East & West	1 & 2	Midway	1
RA HB/DED	154.3	East & West	1 & 2	Kenyons	1
RA HB/DED	168.7	East & West	1, 2 & 4	Davisville	1
RA HB/DED	183.5	East & West	3	Atwells	1
RA HB/DED	189.8	East & West	1, 2 & 7	Pawtucket	1
RA HBD	208.7	East & West	1 & 2	Hawk	1

Note 1: SI 72-S1 (page 300) applies.

92-B1. UNSCHEDULED TRAINS - TOWER 1

Unscheduled trains must not move up to the Tower 1 westward Home Signals (platform starter signals) without verbal permission from the Train Dispatcher.

94-B1. CALLING SIGNALS ON PUSH-PULL TRAINS

Rule 94(b) does not apply to push-pull trains operating in territory where Rule 562 is in effect (cab signals without fixed automatic block signals).

98-B1. NEW HAVEN: PARCEL G

Prior to moving equipment into or out of Parcel G, employees that have not worked in Parcel G within the preceding 6 months must have a documented job briefing with the Parcel G Operations Clerk. This job briefing may be held face to face or via telephone.

All movements operating in Parcel G New Haven must contact the Operations Clerk for permission and track assignments. The Operations Clerk can be reached via radio on either the Amtrak or the MNR radio channel, and also by ATS phone number 561-6161 or 561-6162.

A trainman, as designated by the Conductor, who is qualified on the Metro-North Operating Rules required for operating in Parcel G (see SI C-B1) and the physical characteristics of New Haven Terminal must ride all movements into and out of Parcel G. If the Engineer is on the leading end of the movement, the trainman must ride with the Engineer if at all possible.

98-B2. CONTROL OF YARD TRACKS

New Haven CDOT Shop - Car Shop and Locomotive Servicing Tracks

The following New Haven CDOT Shop tracks are designated Car Shop and Locomotive Repair Tracks. Authority of the employee named must be obtained before any movement is made. The Metro North Yardmaster may be contacted on channel 056-056. The Mechanical Foreman may be contacted on channel 056-056.

TRACKS	CONTROLLED BY
Tracks 24, 25, 26, 27, 27A, 29, 84, 85, and 47.	CDOT (S.L.E.) Mechanical Foreman
Tracks 21, 22 and 23 (west of CDOT Shop) - to the west derail.	CDOT (S.L.E.) Mechanical Foreman
All Other Tracks	Metro North Yardmaster

99-B1. FRA EXCEPTED TRACK—EAST LYME YARD

East Lyme Yard (MP 115.7) is FRA Excepted Track.

101-B1. MOVEMENT WITHIN NEW HAVEN CDOT SHOP AREA

An on-ground crew member must immediately precede all movements within the shop area (Tracks 24, 25, 26, & 27 within the building).

This employee must be prepared to stop the move should personnel enter the movement area unexpectedly.

104-B1. SWITCHES EQUIPPED WITH ELECTRIC LOCKS

The following hand-operated switches are equipped with an electric lock. Permission to occupy Main Track, Interlocking or Controlled Siding must be obtained from the Dispatcher before lock is removed from keeper.

Locations	Switch	Notes
MP 88.9	No. 1 trk to Whitfield Yard	2 & 3
MP 90.7	No. 1 trk to Landon Lumber	2 & 3
MP 95.7	No. 2 to Clinton Siding	2 & 3
MP 96.6	No. 2 to Clinton Siding	2 & 3
MP 96.6	No. 1 trk to Chesebrough Pond Co.	2 & 3
MP 97.5	No. 1 trk to Chesebrough Warehouse	2 & 3
MP 104.7	No. 3 trk to Fortune Plastic	...
MP 105.2	No. 3 trk to East Leg of Wye	7
MP 105.3	No. 3 trk to Tilcon Siding	...

104-B1. Cont'd

Locations	Switch	Notes
MP 105.6	No. 2 track to Yard Trk. 6	...
MP 105.7	No. 3 trk to Tilcon Siding	...
MP 115.7	No. 1 trk to East Lyme Yard	...
MP 117.7	No. 2 trk to Millstone Point	...
MP 119.7	No. 2 trk to Hendell's	...
Shaws Cove	Facing point in No. 1 trk to Minor Alexander Ind. trk	1, 2, 5
New London	Trailing point (when operating east on No. 2 trk) connecting No. 2 trk to NEC Trk No. 6.	2, 3
Mystic River	No. 1 trk to Mystic Yard	5, 6
MP 141.7	No. 1 trk to Westerly Yard	...
MP 149.9	No. 2 trk to Hot Box Trk	2 & 3
MP 157.6	No. 1 Trk to Arnold Lumber Siding	2 & 3
MP 170.9	No. 1 trk to East Greenwich Yard	2 & 3
MP 174.5	No. 1 trk to Gannon Chemical	2 & 3
1000 feet east of MP 179	No. 3 trk to Wellington Siding (facing point when operating east)	...
645 feet west of MP 180	No. 3 trk to Wellington Siding (trailing point when operating east)	...
2972 feet west of MP 181	No. 3 trk to Spaulding Brick Co. (facing point when operating west)	...
MP 184.7	No. 7 trk to Yard 17 trk (ALCO sw)	...
MP 187.9	No. 2 trk to Patch	2 & 3
MP 193.8	No. 1 trk to Furmans Lumber	2 & 3
MP 193.9	No. 4 trk to East Jct Yard	2,3,8,9
MP 194.3	No. 4 trk to East Jct Branch	2 & 3
MP 197.9	No. 4 trk to Forte Fiber	2 & 3
MP 202.5	No. 1 trk to Zayre	2 & 4
MP 204.2	No. 1 track to Blaines Chemical	2 & 3
MP 204.2	No. 2 track to Merken's Chocolate	2 & 3
1637 feet east of MP 216	No. 1 trk to west end Rte 128 Ind Park	2 & 3
130 feet east of MP 217	No. 1 trk to east end Rte 128 Ind Park	2 & 3

Note 1: Instructions for operation of switches will be posted in telephone box or at other convenient location adjacent to switch.

Note 2: To enter side trk from Main Trk, train must occupy trk circuit which extends 50 ft from point of switch, before switch can be opened.

Note 3: After permission has been obtained from the Dispatcher or Operator, switch lock may be removed as follows:

Depress treadle on electric lock to remove switch lock. After switch lock has been removed from keeper, approximately thirty (30) seconds must elapse before electric lock can be released.

After electric lock releases, step on bottom treadle to release handle of switch mechanism.

Switch lock must be replaced in keeper after switch is returned to normal position for restoration of signals.

Note 4: The requirements of **Note 3** apply, except a period of two minutes will elapse before the electric lock can be released.

Note 5: Controlled by Train Dispatcher on duty as listed in SI 900-B1.

104-B1. Cont'd

Note 6: After permission has been obtained from the Dispatcher or Operator, switch lock may be removed as follows:

Depress treadle on electric lock to remove switch lock. After lock is removed, request unlock from dispatcher on duty. Inform dispatcher when switch is reversed. After move is completed, inform dispatcher when switch is normal and padlocked.

Note 7: All independent derails must be in derailing position to unlock main trk switch & allow trk circuit to show unoccupied.

Note 8: To enter side trk from Main Trk, No. 4 Trk switch must first be opened to unlock hand operated split point derail switch, after which derail can be lined for train movement. After train is clear of derail, the derail must be restored to the derailing position before No. 4 Trk switch can be closed and locked.

Note 9: To leave side trk, Trk 4 switch must first be opened to unlock hand operated split point derail switch, after which derail can be lined for train movement. Derail must be restored to the derailing position before Trk 4 switch can be closed and locked.

104-B2. NORMAL POSITION OF SWITCHES AND CROSSOVERS AT SPECIFIED LOCATIONS:

Switch location	Connecting	With	Normal Position is for Movement	Note
West Class Yard	West Class Yard	Thorofare	Thorofare	...

119-B1. EXCESSIVE DIMENSION CARS

All cars exceeding Plate C are to be considered excessive dimension cars on the NHB Line. Train crews handling such cars must not occupy an Amtrak main track or running track until the Conductor or Engineer has communicated with the Dispatcher, and ensured that the Dispatcher has received the required restricted car information.

121-B1. INTERVENING TRACKS AT STATION PLATFORMS

The first two sentences of Rule 121B are modified as follows: Passenger trains approaching Branford Station, Madison, and Clinton that are routed to a track that will result in a station stop for receiving or discharging passengers across a main track must not enter the station without assurance from the Train Dispatcher that protection on the track adjacent to the station platform has been provided in accordance with Rule 121B. As a reminder of this requirement Rule 121B signs are installed approximately one mile prior to these stations.

132-B1. TRACKS AND SWITCHES OUT OF SERVICE

The tracks and switches listed below are out of service for train movements, except when such movements are personally supervised by an MW Foreman or MW Supervisor, or when movement consists entirely of track cars.

If a remotely controlled switch provides access to an affected track, the Operator or Dispatcher must apply blocking device protection to prevent the accidental routing of trains to that track. If a hand operated switch provides access to an affected track, the last Engineering Department employee to use the switch must spike the switch to prevent its accidental use.

Location	Track/Switch
Shore Line Jct	Thorofare
Branford Int	Branford Yard
MP 97.5	Chesebrough Warehouse
MP 103.7	Donnelly's
MP 105.6	Track 6
MP 119.7	Hendell's
Midway	Track 6

132-B1. - Cont'd

Location	Track/Switch
MP 141.7	Westerly Yard
Pawtucket Int	Turnkey Industrial Track
MP 193.8	Furman's Lumber
MP 204.2	Blaine's Chemical

138-B1. PUBLIC CROSSINGS AT GRADE

Column 1: Apparatus provided to automatically interrupt operation of highway crossing protection, including motion sensing detectors and/or predictors. Rule 138(g)(3) applies.

Column 2: Apparatus provided to interrupt operation of crossing protection manually by manipulation of a lever, plug or push button generally located on the signal control case close to the crossing.

Column 3: Circuitry will automatically interrupt crossing protection when switches, located within the activation circuit of the crossing, are reversed. After protection has been interrupted, trains must not occupy the crossing until the protection has been operating for at least 20 seconds, or if equipped with gates, they are in the horizontal position.

(Also, see S.I.'s 138-S1 & 138-S2, pgs 311 & 312)

MP	CROSSING	TRACKS	1	2	3	NOTES
120.2	Miner Lane	1 & 2	...	...	X	4
122.5	Bank St. Extension	1 & 2	X	X	...	...
122.8	State St.	1 & 2	...	X	...	...
		NECR Conn	...	...	...	...
123.0	Governor Winthrop Blvd	1 & 2	X	...	...	1
		NECR Conn	...	...	...	2
131.2	School St.	1 & 2	...	...	...	4, 5, 7
132.3	Broadway Extension	1 & 2	...	X	...	4, 7
133.4	Latimer Point Rd	1 & 2	...	X	...	4, 7
134.9	Wamphassuc	1 & 2	...	...	...	4, 7
136.6	Walkers Dock	1 & 2	...	X	...	3
136.7	Freemans Island	1 & 2	...	X	...	3
140.6	Palmer St.	1 & 2	X	X	...	4, 6, 7

Note 1: Eastward trains making station stop at New London must stop west of CC sign located 740 feet west of MP 123.

Note 2: Color light dwarf signals in service on C.V. connection track 50 feet east and west of crossing. These are GATE INDICATOR signals for the crossing apparatus. After 30 seconds, if the yellow aspect is not displayed, trains must approach the crossing prepared to stop and must provide protection if gates are not horizontal.

Note 3: In conjunction with multiple whistle posts associated with Walkers Dock & Freemans Island, trains must sound one sequence of engine whistle signal 19(b) until the last crossing is occupied.

Note 4: "Smart crossing" equipped with 4 quadrant gates (a highway vehicle gate on each corner of the highway/rail intersection) and a vehicle detection system installed between the gates. Crossing is interconnected with the cab signal system and has the ability to downgrade the cab signals in accordance with Rule 553. When a train is approaching the crossing, the highway warning system will start to operate, causing the warning lights to flash and all gates to come down. If, within a predetermined distance and time, all gates are not down or the vehicle detection system does not show clear, the approaching train's cab signal will drop to Restricting immediately.

- Notes Continued on Next Page -

138-B1. – Cont'd

Note: At School Street, the approaching train's cab signals will quickly downgrade one aspect at a time until it reaches Restricting. Approaching trains receiving such downward cab signal changes must approach the crossing prepared to stop. If conditions change before the crossing is reached, the cab signal may change to a more favorable aspect, and trains will be governed by Rule 553. **Trains with inoperative cab signals must approach crossing prepared to stop, including trains operating on a Cab to Next Interlocking Signal, Rule 280a.**

Note 5: Westward trains making station stop at Mystic Station must stop east of "CC" sign located approximately 150 feet west of Broadway Extension, MP 132.3, or be governed by Train Dispatcher's instructions.

Note 6: Westbound trains stopping at Westerly Station must not exceed 70 MPH passing MP 142 and must not exceed 55 MPH between Westerly and Palmer St. Crossing.

Note 7: Designated a Quiet Zone.

138-B2. HIGHWAY CROSSING WARNING - GOV. WINTHROP BLVD (MP 123.0) (Track 6 - NECR Connection)

Due to a continuous rusty rail condition on Track 6 - NECR Connection at Gov. Winthrop Blvd MP 123.0, crews operating over this crossing on track 6 only must comply with the requirements in item 1 of Rule 138 part "c" - Stop, make certain that a crew member provides on-ground warning at the crossing, then proceed not exceeding 15 MPH until the leading end operates through the crossing.

175-B1. "80 MPH SLOW BY" SPEED RESTRICTION

In the application of SI 175-S2, the "80 MPH Slow By" speed restriction may be issued via TSRB in lieu of a Form D on the NHB Line.

When the speed restriction is issued by TSRB:

1. The restriction will apply to the entire train.
2. No start or end times for the restriction will apply.
3. The restriction will remain in effect until cancelled.

242-B1. IMPERFECTLY DISPLAYED SIGNALS

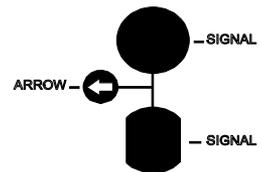
The most restrictive signal aspect of the signals described below is "Restricting".

INTERLOCKING	DIRECTION / TRACK / LOCATION
Shaws Cove	Dwarf signal governing eastward movements on Track 6 (NECR Lead) at the east end of interlocking.
Stony	Signal governing westward movements on Track 3 at the west end of interlocking (at the "Begin/End Signal Territory" sign).
Malcolm	Signal governing westward movements on Track 4 at the west end of interlocking.
Pawtucket	Signal governing eastward movements on Track 4 at the east end of interlocking leading to the Pawtucket Layover Facility.

277-B1. MILL RIVER INTERLOCKING

A white arrow is in service on the eastward home signals on Nos. 1, 2, & 4 trks at Mill River. Illuminated arrow indicates that the route is lined to the Springfield Mainline.

Amtrak trains scheduled for the NHB Line must stop their train as soon as safe train handling will permit if the arrow signal is illuminated, and contact the Shoreline Dispatcher immediately for instructions.



501-B1. SOUTH ATTLEBORO

In the application of Rule 501, westward trains that have received permission to return eastward from South Attleboro may increase speed to greater than Restricted Speed after the entire train has passed a location where a more favorable cab signal was received.

555-B1. FREIGHT TRAINS WITH INOPERATIVE CAB SIGNALS

Freight trains with inoperative cab signals must not exceed 30 MPH while operating under Rule 554 or 556. In territory where Rule 562 is in effect, freight trains with inoperative cab signals must not exceed 30 MPH while operating between the distant signal and the home signal to each interlocking, whether operating under Rule 280a (Clear to Next Interlocking signal), or Rule 563 (Form D Authorization for Movement in Rule 562 Territory).

580-B1. ACSES TERRITORY

ACSES Rules 580 through 591 (see SI 580-S1, page 321) are in effect on main tracks and controlled sidings between Mill River and Cove, as per SI 240-B1, page 105. The controlling engine of all trains operating in this territory must be equipped with operative on-board ACSES apparatus, except when failure occurs en route.

Note: Where data radio is not in service, temporary speed restrictions will be enforced by temporary transponders. The absence of temporary transponders where required must be reported to the Dispatcher.

583-B1. ACSES POSITIVE STOP: RADIO RELEASE

ACSES Positive Train Stop (PTS) radio release is in service for all interlocking home signals located within or adjacent to ACSES equipped territory.

586-B1. SHAWS COVE INT – REVERSING DIRECTION ON TRK 6 (NECR LEAD)

When an eastbound train will be reversing direction on Track 6 (NECR Lead) at New London, it must stop with its east end adjacent to Catenary Pole 122-126, in order to clear the ACSES transponder located east of the high level platform between Tracks 2 & 6. When reversing direction on Track 6 to proceed west, the train must operate at least 5 MPH, but not exceeding 10 MPH, over the transponder in order to ensure that ACSES will indicate current wayside conditions, including enforcement of a Positive Stop when necessary at the westbound dwarf signal on Track 6.

900-B1. DISPATCHERS: ASSIGNED TERRITORIES

DISPATCHER	TERRITORY
Sunday 11:00 pm to Friday 11:00 pm <i>(See also: Weekday / Weekend Modifications and Note Below)</i>	
Shore Line	Division Post MP 72.9 to Conn (exclusive).
New London	Conn (inclusive) to Mystic River (inclusive).
South County	Mystic River (exclusive) to Cranston (exclusive).
Main Line	Cranston (inclusive) to Junction (exclusive).
Corridor	Junction (inclusive) to Cove (exclusive).
Terminal	Cove (inclusive) to Boston (South Station).
Weekday Modifications: – Monday – Friday 3:00 PM to 11:00 PM	
New London	Conn (inclusive) to Kingston (exclusive).
Main Line	Kingston (inclusive) to Junction (exclusive).
Weekend Modifications: – Friday 11:00 PM – Sunday 11:00 PM *	
Shoreline	Division Post MP 72.9 to Mystic River (inclusive).
<i>New London</i>	<i>May Work Conn (inclusive) to Mystic River (inclusive). See Note*</i>
<i>South County</i>	<i>May Work Mystic River (exclusive) to Cranston (exclusive). See Note*</i>
Main Line	Mystic River (exclusive) to Junction (exclusive).
Corridor	Junction (inclusive) to Cove (exclusive).
Dorchester	Cove (inclusive) to Boston (South Station).
<i>Terminal</i>	<i>(Territory controlled by Dorchester Dspr)</i>
* Note: During periods of construction, the New London and/or South County Dsprs may work on weekends. Trains and personnel working between Cranston and Conn between 11:00 PM Fridays and 11:00 PM Sundays should contact the dispatching office to verify the Dispatcher's assigned territory.	

DORCHESTER BRANCH

STATIONS	MP	INT	PS	NOTES
TRANSFER R-Corridor TD (Main Line-New Haven to Boston)	218.5	X	...	...
HILL R-MBCR Branch Line TD (Franklin Branch)	219.1	X	...	...
DANA R-MBCR Branch Line TD	219.5	X	...	...
FAIRMOUNT	220.5	...	X	...
MORTON STREET	223.0	...	X	...
PARK	224.3	X	...	...
UPHAMS CORNER	225.8	...	X	...
SOUTH BAY R-Dorchester TD	227.0	X	...	...
LOOP R-Dorchester TD (Amtrak Runner)	227.4	X	...	1
BROAD R-Dorchester TD	227.6	X	...	2
TOWER 1 R-Terminal TD (Main Line-New Haven to Boston)	228.0	X	...	...

Mile Post distances are measured from New York, GCT (MNR).
 The direction from Tower 1 to Transfer is West.
 MBCR territory between Transfer and South Bay shown as information only.
Note 1: Running track "Amtrak Runner" extends from switch to Southampton St. Yard
 Lead to the west limits of Loop. The Dorchester Train Dspr is in charge of Amtrak Runner.
Note 2: Interlocking includes Moveable Point Frog.

240-D1. SIGNAL RULES and CURRENT OF TRAFFIC.

On tracks where Rule 261 is in effect, ABS Rules and CSS Rules 550 through 561 are in effect for movements in both directions.

Int. indicates interlocking rules in effect.

Between	Tracks from South to North		Notes
	2	1	
Tower 1 & Broad	261	261	1. 2
Between	2	1	Notes
Broad & South Bay	261	261	1
Broad & Loop: Tracks 10 & 12	Int		...
Note 1: CSS Rules not in effect.			
Note 2: Interlocking Rules in effect on Station tracks 1 through 13 between Tower 1 and Boston. Station tracks 1 through 13 are designated Main tracks.			

37-D1. PASSENGER TRAINS and FREIGHT TRAINS MAXIMUM SPEEDS and SPEED RESTRICTIONS, UNLESS OTHERWISE RESTRICTED

Locations and speeds shown in normal type are maximum authorized speeds. Locations and speeds shown in **bold type** are speed restrictions. Where speeds change at an interlocking and the specific point where the speed change occurs is not specified, the lower speed will apply through the entire interlocking.

PASSENGER TRAINS			
Between/At	Tracks		
	No. 1	No. 2	Other
West Limits South Bay & Broad	25	20	...
Loop & Broad: Tracks 10 & 12 .....	...	...	15
Broad & West Limits Tower 1	15	15	...
West Limits Tower 1 & Boston	All Tracks 10 MPH		
FREIGHT TRAINS			
Between/At	Tracks		
	No. 1	No. 2	Other
West Limits South Bay & Broad	25	20	...
Loop & Broad: Tracks 10 & 12 .....	...	...	5
Broad & West limits Tower 1	5	5	...
West Limits Tower 1 & Boston	All Tracks 10 MPH		

1-D1. BOSTON TERMINAL OPERATIONS NOTICE

Boston Terminal Operations Notices (BTON) will be issued as required, and will be numbered sequentially, the number being suffixed by the last two digits of the calendar year. The number of the most recent BTON will be published at the top of the Bulletin Order.

All yard employees working in Southampton Street Yard and Protect Crews reporting at South Station must read and retain a copy of the BTON. Road Crews must read these instructions, but are not required to carry them while on duty.

4-D1. JOB BRIEFINGS – SOUTHAMPTON ST. YARD

Before performing yard service in Southampton Street Yard, extra board employees that have not performed yard service within the preceding 20 days must attend a documented job briefing with the Yardmaster.

16-D1. BLUE SIGNAL DERAILS

The following locomotive and car shop repair tracks are equipped with hand-operated blue signal derails:

Southampton Street Yard Locomotive and Coach Repair Facility and Service and Inspection Facility

Nos. 1, 2, & 3 Shop Tracks.

Nos. 4 & 5 Service and Inspection Building Tracks.

High Speed Rail Maintenance Facility:

Nos. 6 & 7 HSR Tracks

20-D1. SOUTHAMPTON ST. MBTA S&I BUILDING

The engine bell must be rung while approaching and passing over the crossings at the east and west ends of the S&I building.

36-D1. SOUTHAMPTON STREET YARD – WET LOOP TRAINWASH FACILITY

Trains operating through the train wash facility will be governed by the following procedure:

1. Westbound:

Trains will be spotted adjacent to the L22 catenary pole. An amber **XX** will illuminate on the LED indicator on the building to the right of the doors. Approximately 30 seconds will pass to allow the doors to cycle open, and for the wash apparatus to activate fully. Trains may proceed through the wash building when all of the following conditions are met:

- 1) The amber **XX** changes to a solid or flashing* green "**GO**".
- 2) The doors are open.
- 3) The track ahead is seen to be clear of equipment.

* **Notes:** A **solid** green **GO** indicates the wash apparatus is functioning normally and the doors are fully open.

A **flashing** green **GO** indicates the wash apparatus not functioning, but the doors are fully open. If a flashing green **GO** is indicated, report it to the yardmaster. If the indicator continues to display amber **XX**, displays an indication other than a flashing or solid green **GO**, or the indicator is dark, do not proceed into the wash building until contacting the yardmaster for instructions. Trains operating through the wash will proceed at Restricted Speed not exceeding **5 MPH** until clear of the wash building. Actual train speed will be shown on LED indicators to the right of the track when operating under the solid green **GO**. The LED indicators will NOT indicate speed when operating under a flashing green **GO** or any other indication. Speed will indicate up to 5.1 mph at which point the wash will shut down and speed display will go dark.

2. Eastbound:

When the front axle passes over a sensor located 800 feet west of the building, a signal will be sent to the LED sign on the west end to activate, and a solid or flashing green **GO** will be indicated. If the signal request fails to activate the LED sign, the train may continue to the sensor located 40 feet from the building, and a request will again be sent to the LED sign to indicate a solid or flashing green **GO**. The train may proceed with a solid or flashing green **GO** at Restricted Speed not exceeding **5 MPH** until clear of the wash building.

The train wash apparatus will not function in this direction, and there are no speed indicators eastbound. If the LED sign does not indicate a solid or flashing green **GO**, do not proceed into the wash building until contacting the yardmaster for instructions.

Trains must not reverse direction in the wash building while the wash apparatus is operating. If the wash apparatus is **not** operating, contact the yardmaster prior to any reverse movement in the building.

37-D2. MAXIMUM SPEEDS-OTHER TRACKS

Location	Tracks	Restricted Speed not Exceeding
Between Loop & South Bay	Wet Loop & Dry Loop	5 MPH
Loop	Amtrak Runner	5 MPH
Southampton St. Yard	All Tracks	5 MPH
Between Broad & Cove	Wye Connector	10 MPH

37-D3. SPEEDOMETER CHECKING: MEASURED MILES

The distance between MP 222 and MP 223 is a measured mile. White marker posts are installed on both sides of the tracks at these locations.

40-D1. ENGINE AND EQUIPMENT RESTRICTIONS

The numbers shown in the columns to the right of each listed location specify the maximum dimension engines and equipment that may be operated. Engine and equipment dimension specifications are assigned in S.I. 37-S5 (page 279) for equipment authorized to operate on the NEC.

Notes shown in parentheses in the location column are defined at the end of the table.

Location	Tracks		
	2	1	Other
Tower 1 & Broad, all tracks	4	4	4
Broad & West Limits South Bay	5	5	...
Southampton Street Yard, all tracks	...	...	5
High Speed Rail S&I Building, trks 6 & 7	...	...	2
Conventional Equipment S&I Building, Tracks 4 & 5 (a)	...	...	3
Note:			
(a) Amtrak Non-Powered Control Units 90200-90415 & GP38 H-3 engines 520-527 may operate on tracks 4 & 5.			

43-D1. SOUTHAMPTON ST. YARD: CLOSE CLEARANCE

A number of catenary poles in Southampton Street Yard have limited clearance and will not clear an employee on side of car. All employees must use caution when working in this area.

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98-D1. CONTROL OF YARD TRACKS

1. Southampton St. Yard - Car Shop and Locomotive Servicing Tracks

The following Southampton St. Maintenance Facility tracks are designated Car Shop and Locomotive Repair Tracks. Authority of the employee named must be obtained before any movement is made. The Yardmaster may be contacted on channel 023-023, the Mechanical Foreman may be contacted on channel 042-042, and the High Speed Rail Foreman may be contacted on channel 095-095. Prior to authorizing movement into the HSR maintenance building on track 7, the High Speed Rail Foreman must ensure that the track is unobstructed and otherwise secured for movement. Speed passing over the drop table on track 7 must not exceed 2 MPH.

TRACKS	CONTROLLED BY
Tracks 1, 2 & 3 between the hand-operated blue signal derrails located at the east and west ends of the Locomotive and Coach Repair Shop	Mechanical Foreman, Southampton St. Yard
Tracks 4 & 5 between hand-operated blue signal derrails located approximately 75 feet west of the Service and Inspection building to hand-operated blue signal derrails located approximately 50 feet east of the Service and Inspection building.	Mechanical Foreman, Southampton St. Yard
Tracks 6 & 7 between hand-operated blue signal derrails located approximately 25 feet on either side of the High Speed Rail Maintenance Building.	Foreman, High Speed Rail, Southampton St. Yard

2. Yardmaster

The Yardmaster is in charge of movements on all other tracks in Southampton St. Yard (See SI 104-D3).

101-D1. MOVEMENT WITHIN SHOP AREA

An on ground crew member must immediately precede all movements within the shop area (tracks 1, 2 & 3 within the building) in Southampton Street Yard. This employee must be prepared to stop the move should personnel enter the movement area unexpectedly. Additionally, all movements made over the wheel machine on Shop Track 3 must be observed by a second crew member standing adjacent to the wheel machine. Speed passing over the wheel machine must not exceed 2 MPH. Special Instruction 116-S1, paragraph C does not apply to these moves.

104-D1. NORMAL POSITION OF SWITCHES AND CROSSOVERS AT SPECIFIED LOCATIONS

Switch location	Connecting	With	Normal Position is for Movement	Note
South Bay Psgr. Yard, East End Wet Loop, 250 ft. west of Loop	Wet Loop	Regular Loop	To Wet Loop	...

104-D2. DOUBLE SLIP SWITCHES EQUIPPED WITH MOVEABLE POINT FROG

No movements are permitted to operate over the crossover/double slip switches with moveable point frog, located at the west end of the MBTA S&I building, without receiving a hand signal to proceed from the switchtender on duty, or visually confirming that the route is properly lined prior to movement over the switch.

104-D3. SOUTHAMPTON ST YARD: ENTERING & LEAVING

The Southampton Street Yardmaster is in charge of all movements within Southampton Street Yard, which extends from the eastern fouling points of the diamond at the east end of the yard to the western limits of the yard, including the "Chute" track.

The switch tenders on duty at the double slip switches located at the east end of the yard report to and receive their instructions from the Southampton Street Yardmaster. The Yardmaster may designate that these switch tenders coordinate movements on the east end of the yard. The two switch tenders must communicate between themselves to prevent conflicting movements within this area.

104-D3. (Cont'd)

When train crews receive a release on their trains from the Yardmaster and are ready to leave the yard, they must call the Dorchester Train Dispatcher to obtain permission to leave Southampton Street Yard.

All movements made from the west end of the MBTA service facility tracks must obtain permission from the switch tender before moving west.

119-D1. EXCESSIVE DIMENSION CARS

All cars exceeding Plate C are to be considered excessive dimension cars on the DB Line. Train crews handling such cars must not occupy an Amtrak main track or running track until the Conductor or Engineer has communicated with the Dispatcher, and ensured that the Dispatcher has received the required restricted car information.

138-D1. GRADE CROSSINGS WITH AUTOMATIC PROTECTION AND/OR SPECIAL REQUIREMENTS

Grade crossing equipped with automatic warning devices in service at east end of Southampton St. MBTA S&I Building (MP 227.3) on Nos. 1 and 2 tracks Dorchester Branch. This crossing is designated "MBTA S&I East Crossing," and is located within the limits of Loop (*see S.I. 138-S2, pg 312*).

138-D2. SOUTHAMPTON ST YARD: ROAD CROSSINGS

Trains operating on yard tracks in Southampton Street Yard must approach all road crossings prepared to stop.

138-D3. SOUTHAMPTON ST YARD: WEST END ACCESS

A train approach activated strobe light is installed at the West End Crossing of the Commuter S&I Building. The system consists of a yellow strobe light that will flash and a low volume buzzer that activates upon the approach of a train. This warning system is only an enhancement to normal personal attention required to utilize this crossing. Employees must use caution when working in this area and adhere to the practice of stopping, looking, and listening prior to crossing the tracks.

138-D4. PUBLIC CROSSINGS AT GRADE

MP	CROSSING	TRACKS	NOTES
227.0	Widett Circle	Wet & Dry Loop Tracks	1

Note1: Rule 138(g)(2) applies: A train must not foul the crossing until it is ascertained that the warning devices have been operating at least 20 seconds. If the automatic highway crossing warning is not operating, the movement must not be made until warning is provided by on-ground personnel. Notification must be made to the Dorchester Dispatcher in accordance with S.I. 138-S4.

706-D1. RADIO CHANNELS

Within Southampton Street Yard, the following radio channels must be used:

Movements on Amtrak Runner: Channel 092-092.

Switching operations: Channel 023-023.

Mechanical Department operations: Channel 035-035.

900-D1. DISPATCHERS: ASSIGNED TERRITORIES

DISPATCHER	TERRITORY
Terminal	Boston (South Station) to Tower 1 (inclusive).
Dorchester	Tower 1 (exclusive) to South Bay (inclusive).
MBCR Branch Line	South Bay (exclusive) to Transfer (exclusive).
<i>Weekend Modifications--From 11:00 PM Fridays through 11:00 PM Sundays:</i>	
Dorchester	Boston (South Station) to South Bay (inclusive).

MIDDLEBORO MAIN LINE (MM)

STATIONS		MP	INT	PS	NOTES
BOSTON	(South Station)	0.0	...	X	...
TOWER 1	R-Terminal TD	0.2	X	...	...
BROAD	R-Dorchester TD	0.6	X	...	1
LOOP	R-Dorchester TD	0.8	X	...	1
CABOT	R-Dorchester TD	1.0	X	...	...

The direction from Boston to Cabot is West.
Mile Post distances are measured from Boston.
Note 1: Interlocking rules apply on Track 14 only.

240-01. RULES IN EFFECT

On tracks where Rule 261 is in effect, ABS Rules and CSS Rules 550 through 561 are in effect for movements in both directions.

Between	Tracks from North to South		Notes
	14	16	
Tower 1 & Cabot	261	261	1

Note 1: CSS not in effect.

37-01. PASSENGER TRAINS and FREIGHT TRAINS MAXIMUM SPEEDS and SPEED RESTRICTIONS, UNLESS OTHERWISE RESTRICTED

Locations and speeds shown in normal type are maximum authorized speeds. Locations and speeds shown in **bold type** are speed restrictions.
Where speeds change at an interlocking and the specific point where the speed change occurs is not specified, the lower speed will apply through the entire interlocking.
Where two speeds separated by a diagonal line are shown, the higher speed applies to equipment authorized to exceed 90 MPH, and the lower speed applies to equipment not authorized to exceed 90 MPH.

PASSENGER TRAINS			
Between/At	Tracks		
	No. 14	No. 16	Other
Boston & West Limits Tower 1	All Tracks 10 MPH		
Fort Point Channel UG Br MP 227.9	15	15	..
West Limits Tower 1 & Cabot	30	30	...

FREIGHT TRAINS			
Between/At	Tracks		
	No. 14	No. 16	Other
Boston & West Limits Tower 1	All Tracks 10 MPH		
Fort Point Channel UG Br MP 227.9	10	10	...
West Limits Tower 1 & Cabot	20	20	...

20-01. ENGINE BELL: LOOP TO CABOT

The engine bell must be sounded continuously between Loop and Cabot.

900-01. DISPATCHERS: ASSIGNED TERRITORIES

DISPATCHER	TERRITORY
Terminal	Boston (South Station) to Tower 1 (inclusive).
Dorchester	Tower 1 (exclusive) to Cabot (inclusive).
Weekend Modifications—From 11:00 PM Fridays through 11:00 PM Sundays:	
Dorchester	Boston (South Station) to Cabot (inclusive).

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MAIN LINE-MILL RIVER TO SPRINGFIELD (MRS)

STATIONS	MP	INT	PS	NOTES
MILL RIVER R-Shore Line TD (Main Line-New Haven to Boston)	1.5	X
CEDAR R-Springfield Line TD (North Haven Thorofare CSX)	7.0	X	...	...
WALLINGFORD	12.6	...	X	...
CP WALL R-Springfield Line TD	13.3	...	...	1
HOLT R-Springfield Line TD	17.1	X	...	...
MERIDEN	18.6	...	X	2
QUARRY R-Springfield Line TD	20.6	X	...	...
BERLIN	25.9	...	X	...
NEW R-Springfield Line TD	31.1	X	...	...
WOOD R-Springfield Line TD	33.4	X	...	...
HARTFORD	36.6	...	X	...
HART R-Springfield Line TD (Hartford Running Track)	37.2	X	...	3
FRY (Hartford Running Track)	38.9	...	...	3
WINDSOR STATION	42.9	...	X	...
WINDSOR R-Springfield Line TD	43.0	X	...	...
HAYDEN R-Springfield Line TD	46.3	X	...	...
WINDSOR LOCKS	47.4	...	X	...
FIELD R-Springfield Line TD	54.7	X	...	...
STATE LINE (Conn.-Mass.)	55.8	...	...	...
SWEENEY R-Springfield Line TD	61.7	X	...	...
SPRING R-Springfield Line TD (Boston Line CSX)	62.0	X	...	...
SPRINGFIELD	62.0	...	X	...
Mile Post distances are measured from New Haven. The direction from Mill River to Springfield is northward. Note 1: Northward and Southward controlled signals. Note 2: Rule 121(c) applies on No. 2 track. Note 3: Hartford Running Track controlled by Springfield Line TD.				

240-M1. SIGNAL RULES and CURRENT OF TRAFFIC

On tracks where Rule 261 is in effect, ABS Rules and CSS Rules 550 through 561 are in effect for movements in both directions.

Between	Tracks from East to West			Notes
	2	1	Single	
Mill River & Cedar	261	261	...	...
Cedar & Holt	...	...	261	...
Holt & Quarry	261	261	...	...
Quarry & New	...	...	261	...
New & Wood	261	261	...	...
Wood & Windsor	...	...	261	...
Windsor & Hayden	261	261	...	...
Hayden & Field	...	...	261	...
Field & Sweeney	261	261	...	...

240-M1. (Cont'd)				
Between	Tracks from East to West			Notes
	2	1	Single	
Sweeney & CP98 (CSX)	...	261	...	1
Sweeney & Spring	261	...	...	...

Note 1: On Track 10, Rule 261 & ABS Rules in effect, CSS not in effect.

37-M1. PASSENGER TRAINS and FREIGHT TRAINS MAXIMUM SPEEDS and SPEED RESTRICTIONS, UNLESS OTHERWISE RESTRICTED

Locations and speeds shown in normal type are maximum authorized speeds. Locations and speeds shown in **bold type** are speed restrictions.

Where speeds change at an interlocking and the specific point where the speed change occurs is not specified, the lower speed will apply through the entire interlocking.

PASSENGER TRAINS			
Between/At	Tracks		
	Single	No. 1	No. 2
Mill River & MP 3	...	60	60
Nos. 3 & 5 trks. Mill River Int.			35 MPH
MP 3 & Cedar	...	80	80
Cedar & Holt	80	...	...
Ward St. and Parker St.	25	...	...
Holt & MP 18	...	60	60
MP 18 & MP 19.5	...	25	25
MP 19.5 & Quarry	...	80	80
Quarry & New	80	...	...
New & Wood	...	80	80
Wood & MP 36	80	...	...
MP 36 & Hart	20	...	...
Hart & Windsor	80	...	...
Windsor & Hayden	...	80	80
Hayden & MP 47	80	...	...
MP 47 & MP 49	50	...	...
Over Bridge St crossing MP 48.5 (4:15 PM to 4:45 PM only)	30	...	...
MP 49 & Field	80	...	...
Cvs-Br MP 49.3 & MP 50.5	35	...	...
Cvs MP 53.7 & Field	70	...	...
Field & MP 59	...	80	80
MP 59 & MP 61	...	60	60
Cv MP 59.1 & 59.6	...	45	45
MP 61 & Sweeney	...	20	20
Sweeney & CP98 (CSX)	...	10	...
Track 10			10 MPH
Sweeney & Springfield Station	...	...	10

37-M1. (Cont'd)			
FREIGHT TRAINS			
Between/At	Track		
	Single	No. 1	No. 2
Mill River & MP 3	...	30	30
Nos. 3 & 5 trks. Mill River Int.			20 MPH
MP 3 & Cedar	...	50	50
Cedar & MP 9	40	...	...
MP 9 & Holt	50	...	...
Ward St. and Parker St.	25	...	...
Holt & MP 18	...	30	30
MP 18 & MP 19.5	...	25	25
MP 19.5 & Quarry	...	40	40
Quarry & Signal 29.4	50	...	...
Signal 29.4 & New	45	...	...
New & Wood	...	30	30
Wood & MP 36	50	...	...
MP 36 & Hart	10	...	...
Hart & Signal 41.4	50	...	...
Signal 41.4 & Windsor	45	...	...
Windsor & Hayden	...	40	40
Hayden & MP 47	50	...	...
MP 47 & MP 49	30	...	...
Over Bridge St crossing MP 48.5 (4:15 PM to 4:45 PM only)	30	...	...
MP 49 & Signal 53.0	50	...	...
Conn River Br MP 49.7 & MP 50	10	...	...
Cvs-Br MP 49.3 & MP 50.5	30	...	...
Signal 53.0 & Field	45	...	...
Cvs MP 53.7 & Field	30	...	...
Field & MP 59	...	50	50
MP 59 & MP 61	...	40	40
MP 61 & Sweeney	...	20	20
Sweeney & CP98 (CSX)	...	10	...
Track 10			10 MPH
Sweeney & Springfield Station	...	...	10

A-M1. PAN AM TIMETABLE: SPRINGFIELD

Amtrak Train and Engine service employees who turn (wye) their equipment at Pan Am's CPR1 interlocking will not be required to carry the Pan Am System Timetable. Such movements will be governed by signal indication, must not exceed 10 MPH, and may contact the Pan Am Dispatcher District #3 who controls CPR1 on radio channel 9470 or at 800-955-9207. If unable to reach the Pan Am Dispatcher, notify the Amtrak Springfield Line Dispatcher or Boston Chief Dispatcher.

This Special Instruction does not relieve Amtrak employees from meeting Pan Am's requirements for qualifying on the physical characteristics of the territory involved.

34-M1. IDLING AND SHUTTING DOWN DIESEL LOCOMOTIVES: SPRINGFIELD

Locomotive head end power may only be generated in the normal position while detraining passengers, while engaged in turning the train and immediately prior to departure. Stand-by position will be used for boarding passengers 10 minutes prior to leaving time and while waiting for a signal while turning the train.

While in the station, the following will apply:

If the ambient temperature is above 45 degrees, engines may idle only in the low idle position for no longer than 30 minutes, after which they must be shut down.

If the ambient temperature is below 45 degrees, engines may be idled continuously, but only in the low idle position.

When changing the mode of power on the head end power panel, the “stop” button must be pushed first, then switches positioned for the desired mode prior to pressing “start” button.

36-M1. SWEENEY: STOPPING LOCATION

Locomotives must not be stopped under Memorial Street Bridge, MP 61.43.

37-M2. SPEEDOMETER CHECKING: MEASURED MILES

The distance between the sets of Mile Posts listed below is a measured mile. White marker posts are installed on both sides of the tracks at locations marked with an asterisk (★).

★MP 3- ★MP 4	★MP 15- ★MP 16	★MP 32- ★MP 33	★MP 57- ★MP 58
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37-M3. MAXIMUM SPEEDS-RUNNING TRACKS

Track	Between	And	Restricted Speed not exceeding
Hartford Running	Hart	Fry	10

37-M4. MAXIMUM SPEEDS-OTHER TRACKS

Location	Tracks	Restricted Speed not exceeding
Between Mill River & Springfield	All industrial Tracks	10 MPH
Springfield Station	2A, 4 , 6, & 8	5 MPH

40-M1. ENGINE AND EQUIPMENT RESTRICTIONS

The numbers shown in the columns to the right of each listed location specify the maximum dimension engines and equipment that may be operated. Engine and equipment dimension specifications are assigned in S.I. 37-S5 (page 279) for equipment authorized to operate on the NEC.

Notes shown in parentheses in the location column are defined at the end of the table.

Location	Tracks			
	2	1	Single	Other
Mill River & Cedar	5	5	...	...
Cedar & Spring	6	6	6	...
Hartford: Station Viaduct Bridge (a)	...	...	...	...
Note: (a) Engines and loads exceeding 290,000 pounds gross weight must not exceed 15 MPH.				

43-M1. CLOSE CLEARANCE – EMPLOYEES

(Protecting against personal injury – the following locations will not clear man on side of car.)

- a. Springfield Station - Tracks 2a, 4, 6, 8, Stub-8, and the Lead.
- b. All high level passenger station platforms.

72-M1. TRAIN INSPECTION DETECTORS

Type of Detector	MP Location	Direction of Operation	Track(s)	Recorder Location	Notes
RA HB/DED	24.4	North & South	Single	Berlin	1
RA HB/DED	40.2	North & South	Single	Windsor	1

Note 1: SI 72-S1 (page 300) applies.

104-M1. NORMAL POSITION OF SWITCHES AND CROSSOVERS AT SPECIFIED LOCATIONS

Switch Location	Connecting	With	Normal Position is for Movement	Note
Air Line Jct Yard	Air Line Yard Lead	Old Main & Hill Tracks	To Old Main Track	1
Hartford Running Trk.	Hartford Running Trk.	Hartford Yard	None	2
Springfield	Track 6	Track 8	Trk 6 to Trk 8	...

Note 1: Westward movements must obtain permission from the Shore Line TD before occupying the Air Line Yard Lead.

Note 2: Switches at the north and south ends of Hartford Running Track providing access to Hartford Yard may be left lined for movements in either direction.

104-M2. SWITCHES EQUIPPED WITH ELECTRIC LOCKS

The following switches are equipped with an electric lock. Permission to remove the padlock from the keeper must be obtained from the Dispatcher.

Location	Track	Switch	Notes
MP 2.6	No.1	Facing point to Hartford Siding Ind.	1, 2
MP 3.2	No. 2	Trailing Point to Welded Rail Plant	1, 2
MP 9.9	Single	Facing point to Defco Ind. Park	1, 2
MP 14.4	Single	Trailing point to Colony Lumber and Ryerson Steel	1, 2
MP 19.4	No. 2	Trailing point to Meriden Yard	...
MP 21.6	Single	Trailing point to Quarry Industrial	...
MP 25.8	Single	Facing point to ST RR	...
MP 26.4	Single	Trailing point to Berlin Industrial	...
MP 26.9	Single	Trailing point to Connecticut Waste Processing Mgmt	...
MP 26.4	Single	Trailing point to ST RR	...
MP 35.2	Single	Trailing point to Parkville Industrial	...
MP 37.0	Single	Trailing point to New Britain Industrial	...
MP 38.9	Single	Trailing point to Hartford Running Track	...
MP 48.7	Single	Facing point to South End Windsor Locks yard	...
MP 49.1	Single	Facing point to Suffield Industrial	...
MP 61.4	No. 2	Facing point to No. 6 (Mail Track)	...

Note 1: To enter side track from Main Track, train must occupy track circuit which extends 50 feet from point of switch, before switch can be opened.

Note 2: After permission has been obtained from the Dspr or Opr, switch lock may be removed as follows:

Depress treadle on electric lock to remove switch lock. After switch lock has been removed from keeper, approximately thirty (30) seconds must elapse before electric lock can be released.

After electric lock releases, step on bottom treadle to release handle of switch mechanism. Switch lock must be replaced in keeper after switch is returned to normal position for restoration of signals.

119-M1. EXCESSIVE DIMENSION CARS

Cars not exceeding Plate F may move on the MRS Line between Springfield (MP 62.0) and Cedar (MP 7.0).

All cars exceeding Plate C moving from Mill River (MP 1.5) and Cedar (MP 7.0) must be considered excessive dimension cars on the MRS Line. Train crews handling such cars must not occupy an Amtrak main or running track when moving between Mill River and Cedar, until the Conductor or Engineer has communicated with the Dispatcher, and ensured that the Dispatcher has received the required restricted car information.

132-M1. TRACKS AND SWITCHES OUT OF SERVICE

The tracks and switches listed below are out of service for train movements, except when such movements are personally supervised by an MW Foreman or MW Supervisor, or when movement consists entirely of track cars.

If a remotely controlled switch provides access to an affected track, the Operator or Dispatcher must apply blocking device protection to prevent the accidental routing of trains to that track. If a hand operated switch provides access to an affected track, the last Engineering Department employee to use the switch must spike the switch to prevent its accidental use.

Location	Track/Switch
MP 9.9	Defco Industrial Park
MP 19.4	Meriden Yard
MP 36.3	Hartford Courant Switch and Siding
MP 61.7	Roadrailer Track

138-M1. PUBLIC CROSSINGS AT GRADE

Column 1: Apparatus provided to automatically interrupt operation of highway crossing protection, including motion sensing detectors and/or predictors. Rule 138(g)(3) applies.

Column 2: Apparatus provided to interrupt operation of crossing protection manually by manipulation of a lever, plug or push button generally located on the signal control case close to the crossing.

Column 3: Circuitry will automatically interrupt crossing protection when switches, located within the activation circuit of the crossing, are reversed. After protection has been interrupted, trains must not occupy the crossing until the protection has been operating for at least 20 seconds, or if equipped with gates, they are in the horizontal position.

(Also, see S.I. 138-S2, pg 312)

MP	CROSSING	TRACKS	1	2	3	NOTES
3.2	Benton St	1 & 2	...	X	X	...
5.1	Winchesters	1 & 2	...	X	X	...
5.8	Sackett Point Rd	1 & 2	...	X	X	...
6.3	Stiles Lane	1 & 2	X	X	X	1
6.5	Devine St	1 & 2	X	X	X	1
10.6	Toelles Rd	Single	...	X	X	...
12.3	Ward St	Single	X	...	X	3
12.6	Quinnipiac St	Single	...	X	...	...
12.7	Hall Ave	Single	...	X	...	...
13.1	Parker St	Single	X	X	...	2
		Yard	...	...	...	...
13.8	North Plains Highway	Single	...	X	X	...
14.5	Pent Highway	Single	...	X	X	...
18.3	Cooper St	1 & 2	...	X	...	...
18.5	South Colony St	1 & 2	X	...	...	4
18.6	East Main St	1 & 2	X	...	...	4

138-M1. (Cont'd)

MP	CROSSING	TRACKS	1	2	3	NOTES
18.8	Brook St	1 & 2	...	X	...	...
19.0	Cross St	1 & 2	...	X	...	...
19.4	Brittania St	1 & 2	X	X	X	7, 8
19.5	North Colony St	1 & 2	X	X	X	7, 8
33.6	Oakwood Ave	Single	X	X	...	...
		Industrial	...	...	...	...
35.0	Hamilton St	Single	...	X	...	...
		Industrial	...	...	...	...
39.7	Meadow Rd	Single	...	...	X	...
39.9	Wilson Ave	Single	...	X	...	...
40.2	East Barber St	Single	...	...	...	...
42.3	Island Rd	Single	...	...	...	...
42.9	Central St	Single	...	...	...	...
43.6	Pierson Lane	1 & 2	...	X	...	...
45.1	Macktown Rd	1 & 2	...	X	...	...
45.7	Hayden Station Rd	1	X	X	X	...
		2	...	X	...	...
48.1	Dexters	Single	...	...	...	...
48.5	Bridge St	Single	X	...	X	6
51.4	Parsons Road	Single	...	X	...	...
52.3	Bridge Lane	Single	...	X	...	...
58.2	Emerson Rd	1 & 2	...	X	...	...
60.1	Construction	1 & 2	...	...	...	5

Note 1: Northward movements consuming more than 3 minutes between Sackett Point Road and a point 322 feet south of Stiles Lane (sides of rails painted yellow) will cause the automatic protection at Stiles Lane and Devine St to stop. Movements continuing north will reactivate the protection at a point 322 feet south of Stiles Lane. Trains must approach the crossing prepared to stop and not occupy the crossings unless the gates are in horizontal position.

Note 2: Northward trains consuming more than 30 seconds between Ward St. and Hall Ave. must approach Parker St. prepared to stop and not occupy the crossing unless the gates are in horizontal position.

Note 3: Southward trains consuming more than 45 seconds between Parker St and Ward St must approach Ward St prepared to stop and not enter crossing until the gates are in full horizontal position.

Note 4: Southward trains, after making station stop at Meriden, must approach East Main St. and South Colony St. prepared to stop and not occupy the crossings until the gates are in the horizontal position.

Note 5: Private crossing.

Note 6: Southward trains passing "CC" sign located approximately 340 feet north of Bridge St MP 48.5 will void the "X" in Column 1.

Note 7: Northward trains that have stopped after passing MP 19.0 must approach Brittania St. MP 19.4 & North Colony St. MP 19.5 prepared to stop, and not occupy the crossings until the gates are in the full horizontal position. Trains that have reduced speed after passing MP 19.0 must not increase speed until head end clears North Colony St. MP 19.5.

Note 8: Southward trains that have stopped after passing MP 21.2 must approach North Colony St. MP 19.5 & Brittania St. MP 19.4 prepared to stop, and not occupy the crossings until the gates are in the full horizontal position. Trains that have reduced speed after passing MP 21.2 must not increase speed until head end clears Brittania St. MP 19.4.

138-M2. HIGHWAY CROSSING WARNING – OAKWOOD AVE - MP 33.6 (TRACK 2)

Due to a continuous rusty rail condition on Track 2 at Oakwood Ave - MP 33.6, crews operating over this crossing on Track 2 only (leading to or from the Parkville Industrial Trk) must comply with the requirements in item 1 of Rule 138 part “c” – Stop, make certain that crew member provides on-ground warning at the crossing, then proceed not exceeding 15 MPH until the leading end operates through the crossing.

138-M3. HIGHWAY CROSSING WARNING – PARKVILLE INDUSTRIAL TRACK

Due to a continuous rusty rail condition, crews operating over all crossings on the Parkville Industrial Track must comply with the requirements in item 1 of Rule 138 part “c” – Stop, make certain that crew member provides on-ground warning at the crossing, then proceed not exceeding 15 MPH until the leading end operates through the crossing.

900-M1. DISPATCHERS: ASSIGNED TERRITORIES

DISPATCHER	TERRITORY
Springfield Line	Mill River exclusive, to Springfield.

NEW HAVEN LINE—METRO-NORTH RAILROAD
(For Information Only)

STATIONS	MP	INT	RTC	PS	NOTES	
CP 216 (Main Line-Harold to CP 216)	16.3	X	E	...	...
NEW ROCHELLE	16.6	...	↓	X	...	
CP 217	16.7	X		...	...
LARCHMONT	18.7	...		X	...	
MAMARONECK	20.5	...		X	...	
HARRISON	22.2	...		X	...	
CP 223	23.5	X		...	...
RYE	24.1	...		X	...	
PORT CHESTER	25.7	...		X	...	
STATE LINE (New York-Connecticut)	26.1	...		...	...
GREENWICH	28.1	...		X	...	
CP 229	29.0	X		...	...
COS COB	29.6	...		X	...	
CP 230 (Movable Bridge)	30.0	X		...	...
RIVERSIDE	30.3	...		X	...	
OLD GREENWICH	31.3	...		X	...	
CP 232	32.4	X		...	...
CP 233	32.9	X		...	2	
STAMFORD	33.1	...		X	...	
CP 234	33.3	X		...	2	
CP 235 (New Canaan Branch)	34.5	X	F	...	...
NOROTON HEIGHTS	36.2	...		X	...	
DARIEN	37.7	...		↓	X	...
ROWAYTON	39.2	...		X	...	
CP 240	40.8	X		...	...
SOUTH NORWALK	41.0	...		X	...	
CP 241 (Danbury Branch) (Movable Bridge)	41.3	X		...	...
EAST NORWALK	42.1	...		X	...	
WESTPORT	44.2	...		X	...	
CP 244 (Movable Bridge)	44.3	X		...	...
GREEN'S FARMS	47.2	...		X	...	
CP 248	48.6	X		...	...
SOUTHPORT	48.9	...		X	...	
FAIRFIELD	50.6	...		X	...	
CP 255	55.3	X		...	...
BRIDGEPORT	55.4	...		X	...	
CP 256 (Movable Bridge)	55.8	X		...	...
CP 257	56.8	X		...	...
STRATFORD	59.0	...		X	...	
CP 261 (Waterbury Branch) (Movable Bridge)	60.7	X	G	...	...
MILFORD	63.3	...		X	...	
CP 266	66.3	X		↓
CP 271	71.3	X		...	1	
CP 272	71.9	X		...	1	
NEW HAVEN	72.3	...		X	...	
CP 273	72.4	X		...	1	
STATE STREET	72.7	...		X	...	
CP 274	72.7	X		...	1	
DIVISION POST (Amtrak)	72.9	...		...	...

Note 1: Int. & CSS Rules apply between CP 271 & CP 274.

Note 2: Int. & CSS Rules apply between CP 233 & CP 234.

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MAIN LINE—HAROLD TO CP 216 (NYS)

STATIONS		MP	INT	PS	NOTES
HAROLD	R-PSCC (NYT) (LIRR)	3.7	X
GATE	R-PSCC	5.1	X	...	...
PELHAM BAY	R-Section A TD (Mvble. Brdg.)(Market Running Trk. CRC)	15.5	X	...	...
MANOR	R-Section A TD	18.2	X	...	...
DIVISION POST	(MNR)	18.8	...	...	...
CP 216	(New Haven Line-MNR)	18.9	X	...	...
Mile Post Distances are measured from New York Penn Station. The Direction from Harold to CP 216 is eastward.					

240-H1. SIGNAL RULES and CURRENT OF TRAFFIC

On tracks where Rule 261 is in effect, ABS Rules and CSS Rules 550 through 561 are in effect for movements in both directions.

Between	Tracks from South to North		Notes
	2	1	
Harold & CP 216	261	261	...

37-H1. PASSENGER TRAINS and FREIGHT TRAINS MAXIMUM SPEEDS and SPEED RESTRICTIONS, UNLESS OTHERWISE RESTRICTED

Locations and speeds shown in normal type are maximum authorized speeds. Locations and speeds shown in **bold type** are speed restrictions.
Where speeds change at an interlocking and the specific point where the speed change occurs is not specified, the lower speed will apply through the entire interlocking.

PASSENGER TRAINS			
Between/At	Tracks		
	No. 1	No. 2	Other
Harold & MP 10	60	60	...
First Cv west of MP 5	50	50	...
First Cv east of Gate	55	55	...
First Cv east of MP 7	50	50	...
Second Cv east of MP 8	40	40	...
MP 10 & Pelham Bay	70	70	...
Second Cv east of MP 10	60	60	...
Cv at MP 11	55	55	...
First Cv west of MP 12	...	65	...
First Cv east of MP 14	60	60	...
Cv west of Pelham Bay Br.	45	45	...
Pelham Bay & CP 216	100	100	...
Cv east of Pelham Bay Br.	45	45	...
First 3 UG bridges east of MP 17	80	80	...
Cv at MP 18	70	70	...
Movements to and from MNR at CP 216	45	45	...

37-H1. (Cont'd)			
FREIGHT TRAINS			
Between/At	No. 1	No. 2	Other
Harold & CP 216	40	40	...
Curves west & east of Pelham Bay Int, including Int. limits	30	30	...
Movements to and from MNR at CP 216	10	10	...

37-H2. WRECK AND WIRE TRAINS

Between:	Wire Train	Boom Trailing	Boom Forward
		Miles Per Hour	
		Wreck	Wreck
Harold & CP 216	50	30	30

40-H1. ENGINE AND EQUIPMENT RESTRICTIONS

The numbers shown in the columns to the right of each listed location specify the maximum dimension engines and equipment that may be operated. Engine and equipment dimension specifications are assigned in S.I. 37-S5 (page 279) for equipment authorized to operate on the NEC.

Notes shown in parentheses in the location column are defined at the end of the table.

Location	Tracks			
	2	1	5	Other
Harold Int (a)	3	3	...	3
West Limits Harold Int & MP 10 (a)	3	3	5	...
MP 10 & West Limits Pelham Bay (a)	3	3	5	...
West Limits Pelham Bay & CP 216 (a)	4	4	...	...

Note: (a) Capitoline Control Car 9637 is prohibited.

42-H1. HEIGHT RESTRICTIONS

Any equipment exceeding 14 feet 8 inches maximum height above the top of the rail is prohibited from operating in New York Penn Station, the North and East River Tunnels, and the Empire Tunnel.

47-H1. CATENARY DEAD SECTIONS

No. 1 and No. 2 Tracks between Cat. Pole 206-H and Cat. Pole 204-H.

No. 1 and No. 2 Tracks between Cat. Pole C-66 and Cat. Pole C-70.

Frequency/Voltage Change: Cat. Pole C-66 and Cat. Pole C-70 on Tracks No. 1 and No. 2 as follows:

12.5KV/60Hz in effect East of Cat. Pole C-66.

12.0KV/25Hz in effect West of Cat. Pole C-70.

On engines so equipped, manual frequency change control must be operated when passing through dead section between Cat. Pole C-66 and Cat. Pole C-70.

NOTE: In accordance with AMT-2 Instruction 3.302, Engineers of electric trains must have the throttle in the OFF position while operating through each dead section. In addition to this requirement, Engineers on AEM-7, HHP-8 and HST locomotives/power cars must have the Main Circuit Breaker (MCB) switch in the OPEN position while operating through each dead section and voltage change location. Electric trains that stop with a raised pantograph in a dead section or voltage change location must contact the Dispatcher for instructions.

72-H1. TRAIN INSPECTION DETECTORS

Type of Detector	MP Location	Direction of Operation	Tracks(s)	Recorder Location	Notes
HBD	18.4	West	1 & 2	Pelham Bay	...

900-H1. DISPATCHERS ASSIGNED TERRITORIES

DISPATCHER	TERRITORY
PSCC	Harold, inclusive to Gate, inclusive.
Section A	Gate, exclusive to CP 216, exclusive.

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MAIN LINE -NEW YORK TO HOFFMANS (HUD)

STATIONS		MP	INT	IS	PS	NOTES
NEW YORK	(Penn Station)	0.0	...		X	...
A	R-PSCC (Main Line-New York to Philadelphia) (New York Terminal District)	0.2	X	...	...	...
EMPIRE	R-PSCC	1.0	X	...	...	2
CP JERVIS	R-Hudson Line TD	1.5	...	...	...	1
INWOOD	R-Hudson Line TD (Spuyten Duyvil Movable Bridge)	9.9	X	...	...	2
DIVISION POST	(MNR)	10.7	...	...	...	...
CP 12	(Hudson Line) (MNR)	10.8	X	...	...	...
<i>METRO-NORTH TERRITORY (See Metro-North Railroad Station Page, pg. 157)</i>						
POUGHKEEPSIE	(MNR)	73.6	...	...	X	...
CP 75	R- MNR Section D RTC	75.5	X	...	...	...
DIVISION POST (MNR)		75.8	...	...	...	...
RHINECLIFF		89.2	...	...	X	...
CP 89	R-Hudson Line TD	89.8	X	...	...	2, 3, 11
CP 94	R-Hudson Line TD	94.2	X	...	...	2,12
CP 103	R-Hudson Line TD	103.8	X	...	...	2
CP 114	R-Hudson Line TD	114.1	X	...	...	2
HUDSON	(Hudson Yard) (CSX)	114.5	...	...	X	4, 10
CP 115	R-Hudson Line TD	115.4	...	...	...	5
CP 124	R-Hudson Line TD	123.7	X	...	...	2
CP 125	R-Hudson Line TD (Castleton Subdivision) (CSX)	125.6	X	...	...	2, 6
CP 141	R-LAB	141.1	...	...	...	14
CP142	R-LAB (Post Road Branch)	142.0	X	...	...	2, 7
ALBANY-RENSSELAER	(Rensselaer Ind Trk)(CSX)	142.1	...	...	X	10
CP 143	R-LAB	142.2	X	...	...	...
CP 144	R-LAB	142.4	X	...	...	...
CP LAB	(Movable Bridge) (LAB Industrial Trk)	143.1	X	X	...	8, 9, 10
CP 145	R-LAB (CP Rail)	143.6	X	...	...	2, 13
CP 146	R-Hudson Line TD (W. Albany Yard)(CSX)	146.9	X	...	...	2, 10
CP 156	R-Hudson Line TD (Carman Subdivision) (CSX)	156.5	X	...	...	2
CP 159	R-Hudson Line TD	159.6	X	...	...	...
SCHENECTADY		159.8	...	...	X	...
CP 160	R-Hudson Line TD (CP Rail)	159.9	X	...	...	2
DIVISION POST	(Hoffmans) (CSX)	169.7	...	...	...	...
CP 169	R-CSX NC TD	169.7	X	...	...	...

- Notes On Next Page -

MAIN LINE -NEW YORK TO HOFFMANS (HUD)

Mile Post New York to CP 12 are measured from New York Penn Station.
 Mile Post CP 12 to CP 169 are measured from New York Grand Central Terminal.
 The direction from A to CP 141 is North. The direction from CP 141 to CP 169 is West.
 Road radio channels in service: New York to CP 12: 060-060; (MNR) CP 12 to CP 75: 056-056; CP 75 to CP 169: 041-041.

Note 1: Northward and Southward controlled signals on No. 2 track.
Note 2: Equipped with Dual Control Switches.
Note 3: Rhinecliff Team trk is a hand-operated switch within CP-89. Permission from the Dspr is required prior to operation. Dspr must request switch reversed for unlock.
Note 4: In the application of Rule 121(b), the Dspr is responsible for providing protection for psgr trains receiving or discharging psgrs across No. 1 Trk. A proceed signal indication on Trk Nos. 1 or 2 at CP 114 or CP 115 indicates Dspr permission to enter the station. In the application of Rule 121(a), Trains on the Hudson Yard Trk and Claverack Industrial Trk approaching Hudson Station must remain clear of the station area and Broad & Front St road crossings until permission to proceed has been received from the Dspr.
Note 5: Southbound Only.
Note 6: Track 2 Only.
Note 7: The Post Road Branch connects at HUD CP 142 and extends to CSX Berkshire Subdivision CP 187.
Note 8: LAB Ind extends between MP 142.4 and MP 143.6, is located on the north side of the Main Trk, and is controlled by the LAB Operator. On the LAB Ind signal indication governs movements through CP-LAB, but CSS rules are not in effect. The Troy Ind connects with the LAB Ind north of the wye at Tracy St. (MP 0.76). The wye trks off the LAB Ind (MP 142.8) and the track between the wye and the Troy Ind are controlled by the LAB Operator.
Note 9: In service as an Interlocking Station with Road Radio Channel 041-041.
Note 10: The Troy Ind connects with the LAB Ind Trk at Tracy St. (MP 0.76) and extends north to Troy. The CSX Top End Yardmaster controls the Troy Ind Trk, Rensselaer Ind Trk, W. Albany Yard and Hudson Yard and is available on radio channel 078-078 or at telephone No. (518) 767-6277.
Note 11: Only north crossover switches (No. 21 sw) are dual control.
Note 12: Only south crossover switches (No. 12 sw) are dual control.
Note 13: Only No. 3 switch is dual control (connection to CP Rail - LAB Industrial).
Note 14: Northward and Southward controlled signals on No. 1 and No. 2 tracks.

240-U1. SIGNAL RULES and CURRENT OF TRAFFIC

On tracks where Rule 261 is in effect, ABS Rules and CSS Rules 550 through 561 are in effect for movements in both directions. **Int.** Indicates interlocking rules in effect.

Locations	Tracks from East to West				Notes
	Single	1	2	Other	
A & Empire	...	...	Int	...	1
Empire & Inwood	...	261	261	...	...
Inwood & CP 12	...	261	...	...	...
<i>Metro North Territory (See Hudson Line - Metro North Timetable)</i>					
MP 75.8 & CP 141	...	261	261	...	...
Locations	Tracks from North to South				Notes
	Single	1	2	Other	
CP 141	...	261	261	...	...
CP 142 & CP 143	...	261	261	...	...
Main Track	.....	.....	.....	261	...
CP 143 & CP 144	...	261	...	...	...
Main Track	.....	.....	.....	261	...
CP 144 & CP 156	261	...	...	...	...
CP 156 & CP 160:	Main Track	.....	.....	261	...
Controlled Siding	.....	.....	.....	261	
CP 160 & CP 169	261	...	...	...	...
NOTES					
Note 1: CSS Rules are in effect for movements in both directions.					

37-U1. PASSENGER TRAINS and FREIGHT TRAINS MAXIMUM SPEEDS and SPEED RESTRICTIONS, UNLESS OTHERWISE RESTRICTED

Locations and speeds shown in normal type are maximum authorized speeds. Locations and speeds shown in **bold type** are speed restrictions.

Where speeds change at an interlocking and the specific point where the speed change occurs is not specified, the lower speed will apply through the entire interlocking.

PASSENGER TRAINS				
Between/At	Tracks			
	Single	No. 1	No. 2	Other
A Int (Exclusive) & MP 0.5	15	...
MP 0.5 & South Limit Empire Int	25	...
South Limit Empire Int & MP 2	...	35	35	...
MP 2 & Inwood	...	60	60	...
First 3 Curves North of MP 2	...	25	25	...
Curve North of MP 3	...	55	55	...
Curve at MP 5	...	55	55	...
First Curve North of MP 5	...	55	55	...
First Curve South of MP 6	...	55	55	...
Curve at MP 6.5	...	55	55	...
First 2 Curves North of MP 7	...	55	55	...
Curve South of MP 8	...	50	50	...
First 3 Curves North of MP 8	...	50	50	...
Inwood & CP 12	...	45	...	...
<i>Metro North Territory (See Hudson Line - Metro North Timetable)</i>				
MP 75.8 - 76.5	...	90	90	...
MP 76.5 - 76.6	...	80	80	...
MP 76.6 - 78.9	...	90	90	...
MP 78.9 - 85.4	...	95	95	...
MP 85.4 - 85.5	...	80	80	...
MP 85.5 - 87.7	...	95	95	...
MP 87.7 - 89.8	...	80	80	...
MP 89.8 - 92.6	...	90	90	...
MP 92.6 - 93.1	...	80	80	...
MP 93.1 - 102.3	...	90	90	...
MP 102.3 - 102.6	...	80	80	...
MP 102.6 - 108.8	...	90	90	...
MP 108.8 - 108.9	...	80	80	...
MP 108.9 - 114.1	...	90	90	...
MP 114.1 - 115.0	...	50	50	...
MP 115.0 - 119.4	...	90	90	...
MP 119.4 - 119.6	...	75	75	...
MP 119.6 - 121.5	...	90	90	...
MP 121.5 - 124.3	...	85	85	...
MP 124.3 - 141.1	...	110	110	...
MP 141.1 - 141.9	...	75	75	...
MP 141.9 - 142.2	...	15	15	...
MP 142.2 - 142.4	...	15	...	...
Main Track				15
MP 142.4 - 143.1	20	...	...	...

37-U1 (Cont'd)				
PASSENGER TRAINS				
Between/At	Tracks			
	Single	No. 1	No. 2	Other
MP 143.1 - 143.6	25	...	...	...
MP 143.6 - 145.2	40	...	...	...
LAB Industrial Trk				15
MP 145.2 - 146.9	80	...	...	...
MP 146.9 - 149.0	90	...	...	...
MP 149.0 - 156.3	110	...	...	...
MP 156.3 - 157.8	90	...	...	...
Controlled Siding				30
MP 157.8 - 159.6	55	...	...	...
Controlled Siding				30
MP 159.6 - 159.9	30	...	...	...
Controlled Siding				30
MP 159.7 (Over State St. Switch)				15
Connection Track to CP Rail				15
MP 159.9 - 160.3	50	...	...	...
MP 160.3 - 161.3	70	...	...	...
MP 161.3 - 164.5	100	...	...	...
MP 164.5 - 165.8	90	...	...	...
MP 165.8 - 169.7	100	...	...	...
FREIGHT TRAINS				
Between/At	Tracks			
	Single	No. 1	No. 2	Other
A Int (Exclusive) & MP 0.5	...	...	10	...
MP 0.5 & South Limit Empire Int	...	...	15	...
South Limit Empire Int & Inwood	...	30	30	...
First 3 Curves North of MP 2	...	10	10	...
<i>Metro North Territory (See Hudson Line - Metro North Timetable)</i>				
Inwood & CP 12	...	30	...	...
MP 75.8 - 114.1	...	50	50	...
MP 114.1 - 115.0	...	30	30	...
MP 115.0 - 141.1	...	50	50	...
MP 141.1 - 142.0	...	15	15	...
MP 142.0 - 142.2	...	10	10	...
Main Track				10
MP 142.2 - 142.4	...	10	...	...
Main Track				10
MP 142.4 - 143.1	20	...	...	...
MP 143.1 - 145.2	25	...	...	...
LAB Industrial Trk				15
MP 145.2 - 156.5	50	...	...	...
MP 156.5 - 159.9	30	...	...	...
Controlled Siding				30
MP 159.7 (Over State St. Switch)				15
Connection Track to CP Rail				10
MP 159.9 - 161.3	30	...	...	...
MP 161.3 - 169.7	50	...	...	...

F-U1. RIVERSIDE PARK OVERBUILD

The Overbuild, located between MP 2.7 and MP 5.3 on the Hudson Line, consists of a structure built above ground level supporting Riverside Park and enclosing the two (2) main tracks running within, designated No. 1 and No. 2 tracks. The Overbuild is approximately 2.5 miles long with west 72nd Street at the south end and west 123rd Street at the north end. The entire length falls under the jurisdiction and authority of the Hudson Line Dispatcher, 40 Office, New York.

The Overbuild has been constructed with fixed steel grates within the ceiling at regular intervals for ventilation, and locked gates in the west wall at various locations to provide emergency access by Emergency personnel only, they are **NOT** intended as exits.

The Overbuild is equipped with coaxial antennas, providing for radio communications between trains and the Hudson Line Dispatcher only.

37-U2. WRECK AND WIRE TRAINS SPEEDS

Between:	Wire Train	Wreck Boom Trailing	Wreck Boom Forward
	Miles Per Hour		
A & North End Tunnel	10	10	10
North End Tunnel & MP 2	15	15	15
MP 2 & Inwood Int	30	30	20
Inwood & CP 12	30	20	20
Poughkeepsie & Hoffmans	30	20	20

Note: Where speed of freight trains is slower than speeds shown in this instruction, the freight train speed must not be exceeded.

37-U3. MAXIMUM SPEEDS-OTHER TRACKS

Location	Between/At	Restricted Speed Not Exceeding
Empire	Wye Track	5
MP 142.9	North leg of the Wye	5
Unless Otherwise Specified: All Yard Trks, Industrial Trks and Public Delivery Trks connected with Amtrak Main or Running Trks		10

37-U4. MINERAL FREIGHT TRAINS: SPECIAL MAXIMUM SPEEDS

The 30 MPH speed restriction on Mineral Freight Trains found in SI 37-S4, page 277 only applies between CP 145 and CP 146 on the Main Line - New York to Hoffmans (HUD).

40-U1. ENGINE AND EQUIPMENT RESTRICTIONS

The numbers shown in the columns to the right of each listed location specify the maximum dimension engines and equipment that may be operated. Engine and equipment dimension specifications are assigned in S.I. 37-S5 (page 279) for equipment authorized to operate on the NEC.

Notes shown in parentheses in the location column are defined at the end of the table.

Between	Tracks		
	1	2	Other
A & Empire (a)(b)	1	1	1
Empire & CP 12 (a)(c)	4	4	...
Poughkeepsie & CP 156 (d)	6	6	...
CP 156 & Hoffmans	5	5	5

Notes:
(a) Capitoliner Control Car 9637 is prohibited from operating on the Hudson Line.
(b) Engines of dimension #2 may operate when verbally authorized by the Dspr at PSCC.
(c) Operation on the Wye at Empire is restricted to single units only.
(d) Cars exceeding 286,000 lbs are prohibited.

42-U1. HEIGHT RESTRICTIONS

Any equipment exceeding 14 feet 8 inches maximum height above the top of the rail is prohibited from operating in New York Penn Station, the North and East River Tunnels, and the Empire Tunnel.

43-U1. CLOSE CLEARANCE

MP	Location	Remark(s)
75	Metro North Stations	High Level Platforms
142.1	1, 2, & Main Tracks	Passenger Platforms

47-U1. TRACKS EQUIPPED FOR DC ELECTRICAL OPERATION

No. 2 track between A and a point 235 feet north of MP 1.

No. 1 track between beginning of track at Empire and a point 235 feet north of MP 1.

47-U2. DC OPERATION RESTRICTED NORTH OF MP 5

Trains must not operate north of MP 5 with third rail shoes in lowered position, unless otherwise instructed.

72-U1. TRAIN INSPECTION DETECTORS

Type of Detector	MP Location	Direction of Operation	Tracks(s)	Notes
RA HBD-DED	83.7	North & South	1 & 2	1
RA HBD-DED	99.2	North & South	1 & 2	1
RA HBD-DED	121.5	North & South	1 & 2	1
RA DED	164	East & West	Single	1

Note 1: SI 72-S1 (page 300) applies.

104-U1. SWITCHES EQUIPPED WITH ELECTRIC LOCKS

The following hand-operated switches are equipped with an electric lock; permission to occupy Main Track, Interlocking or Controlled Siding must be obtained from the Dispatcher before lock is removed from keeper.

Location	Switch	Notes
MP 1.2	Switch in No. 2 trk. leading to Wye Lead trk.	1
MP 1.4	Switch in No. 2 trk. leading to Tail trk.	1
MP 83.3	Switch in No. 2 trk leading to Staatsburg Team trk	...
MP 89.8	Switch in No. 1 trk leading to Rhinecliff Team Track	...
MP 112.9	Switch in No. 1 trk leading to Hudson Yard South	...
MP 113.5	Switch in No. 2 trk leading to River Track	...
MP 113.9	Switch in No. 1 trk leading to Hudson Yard South (Short-crossover)	...
MP 114.5	Switch in No. 1 trk leading to Hudson Yard North	...
MP 123.8	Switch in No. 2 trk leading to Stuyvesant Team Track	...
MP 141.8	Switch in No. 2 trk leading to Rensselaer Ind / Freight Bypass	...
MP 151.5	Switch in Single Main leading to Colonie	...
MP 159.7	Switch in Controlled Siding trk leading to State St. Yard	...

Note 1: To enter side track from Main Track, train must occupy track circuit which extends 50 feet from point of switch, before switch can be opened.

132-U1. TRACKS AND SWITCHES OUT OF SERVICE

The tracks and switches listed below are out of service for train movements, except when such movements are personally supervised by an MW Foreman or MW Supervisor, or when movement consists entirely of track cars.

If a remotely controlled switch provides access to an affected track, the Operator or Dispatcher must apply blocking device protection to prevent the accidental routing of trains to that track. If a hand operated switch provides access to an affected track, the last Engineering Department employee to use the switch must spike the switch to prevent its accidental use.

MP Location	Track/Switch
83.3	Staatsburg Team Trk
89.8	Rhinecliff Team Trk
94.6	Barrytown Team Trk
99.2	Tivoli Team Trk
113.5	River Track
113.9	Hudson Yard South Short-crossover
123.8	Stuyvesant Team Trk
141.8	Freight By-Pass South
143.4	Central Warehouse
151.5	Colonie

138-U1. HIGHWAY RAIL GRADE CROSSINGS AT GRADE EQUIPPED WITH AUTOMATIC WARNING DEVICES

Column 1: Apparatus provided to automatically interrupt operation of highway crossing protection, including motion sensing detectors and/or predictors. Rule 138(g)(3 & 4) applies.

Column 2: Apparatus provided to interrupt operation of crossing protection manually by manipulation of a lever, plug or push button generally located on the signal control case close to the crossing. Rule 138(h) applies.

Column 3: Circuitry will automatically interrupt crossing protection when switches, located within the activation circuit of the crossing, are reversed. After protection has been interrupted, trains must not occupy the crossing until the protection has been operating for at least 20 seconds, or if equipped with gates, they are in the horizontal position. Rule 138(g)(6) applies.

(Also, see S.I.'s 138-S1 & 138-S2, pgs 311 & 312)

MP	CROSSING	1	2	3	Notes
76.0	River Point Rd	...	X	...	1
81.5	Poughkeepsie Yacht Club	...	X	...	1
83.7	River Rd	...	...	...	...
99.0	Tivoli Rd	...	X	...	1
103.5	Cheviot Rd	...	...	...	...
106.1	Anchorage Rd	...	...	...	...
114.3	Broad St.	...	...	X	3
122.0	Ferry Rd	...	...	...	...
124.2	Riverview Park Rd	...	...	...	...
134.1	Castleton Boat Club	...	...	...	...
134.4	Scott Ave	...	...	...	...
135.0	Hamilton Way	...	...	...	...

138-U1. (Cont'd)					
MP	CROSSING	1	2	3	Notes
137.2	Staats Island Rd	...	...	...	...
140.0	Tellers Crossing	X	...	...	...
149.8	Lincoln Ave	X	...	...	...
153.5	Morris Rd	X	...	...	...
154.3	Cordell's Rd	X	...	...	...
164.6	Wyatts Rd	...	X	...	2
165.2	Rector Rd	...	...	...	...
166.5	Stone Arabia Rd	...	X	...	2

Note 1: De-activate Only. 2 Tracks - 2 Boxes
Note 2: De-activate/Activate
Note 3: Track 1 switch MP 114.5 - Switch Reverse- Gate recover on Track 1 only.

294-U1. SLIDE FENCE PROTECTION

Slide detector apparatus are in service on the HUD Main Line at the mileposts listed below. They are connected with the automatic block signal system to restrict train movement when activated.

Trains operating through these locations that receive a cab signal aspect change to Restricting must operate through the slide detector limits prepared to stop short of an obstruction on the track.

Trains with inoperative cab signals and trains governed by DCS Rules (Rule 406 DCS substitution for ABS) must approach the slide detector prepared to stop short of an obstruction, and must not exceed Restricted Speed through the limits of the slide detector.

These restrictions apply to the head end only.

Slide Detector Fence Mileposts				
105.29-105.41	106.01-106.08	107.44-107.55	128.13-128.22	129.03-129.15
105.68-105.82	106.96-107.03	119.43-119.56	128.91-128.99	129.89-130.04

900-U1. DISPATCHERS: ASSIGNED TERRITORIES

DISPATCHER	TERRITORY
PSCC	A, inclusive, to Empire, inclusive.
Hudson Line	Empire, exclusive, to CP 12, exclusive.
Hudson Line	MP 75.8 to CP 169, exclusive.

706-U1. PORTABLE RADIO TRANSMISSIONS WITHIN THE EMPIRE TUNNELS

"NYP Road Rptr" channel is in service for portable radios within the North River, East River and Empire Tunnels. Lower powered portable radio transmissions made on "NYP Road Rptr" within the tunnels are picked up by a repeater and retransmitted on Road Channel 060 at high enough power to be received by portable and/or engine radios also located within the tunnels. While the "NYP Road Rptr" channel transmits on the repeater frequency, it receives on Road Channel 060.

Note: No adjustment is necessary for engine radios to communicate with portable radios while within the tunnels.

The Dispatcher at PSCC receives all transmissions made within the tunnels on Road Channel 060 or "NYP Road Rptr".

940 -U1 / 950-U1. TRAIN AND ENGINE SERVICE EMPLOYEES

Train and Engine Service employees signing up in Albany must report to and receive instructions from the Albany Yard Master (formally know as the Albany Station Master).

POST ROAD BRANCH (PRB)

STATIONS		MP	INT	PS	NOTES
CP 187	Division Post (CSX) R-CSX NB TD (CSX Berkshire Sub)	187.5	X	...	...
CP 142	R-LAB (Hudson Line)	199.5	X	...	1
The Post Rd Branch extends westward from CSX Berkshire Subdivision CP 187 to Amtrak HUD CP 142. Mileposts are numbered 187.5 to 199.5.					
Note 1: The LAB Operator can be reached on Road Radio Channel 041-041.					

240-PR1. SIGNAL RULES

Locations	Single Track	Notes
CP 187 (MP 187.5) & CP 142 (MP 199.5)	261	...

37-PR1. PASSENGER TRAINS and FREIGHT TRAINS MAXIMUM SPEEDS and SPEED RESTRICTIONS, UNLESS OTHERWISE RESTRICTED

Locations and speeds shown in normal type are maximum authorized speeds. Locations and speeds shown in **bold type** are speed restrictions.

Where speeds change at an interlocking and the specific point where the speed change occurs is not specified, the lower speed will apply through the entire interlocking.

Location	Between/At	Speed	
		Psgr	Frnt
Post Road Single Track	MP 187.5 and MP 196.5	79	50
	MP 196.5 and MP 196.7	65	50
	MP 196.7 and MP 199.0	79	50
	MP 199.0 and MP 199.5	15	10

40-PR1. ENGINE AND EQUIPMENT RESTRICTIONS

The numbers shown in the columns to the right of each listed location specify the maximum dimension engines and equipment that may be operated. Engine and equipment dimension specifications are assigned in S.I. 37-S5 (page 279) for equipment authorized to operate on the NEC.

Notes shown in parentheses in the location column are defined at the end of the table.

Location	Single Track	
	Dim Equip	Notes
Post Road Branch	6	1, 2
Note 1: Merchandise Freight: cars exceeding 263,000 lbs prohibited.		
Note 2: Coal, Ore, & Grain cars exceeding 270, 000 lbs prohibited.		

138-PR1. HIGHWAY RAIL GRADE CROSSINGS AT GRADE EQUIPPED WITH AUTOMATIC WARNING DEVICES

Column 1: Apparatus provided to automatically interrupt operation of highway crossing protection, including motion sensing detectors and/or predictors. Rule 138(g)(3) applies.

Column 2: Apparatus provided to interrupt operation of crossing protection manually by manipulation of a lever, plug or push button generally located on the signal control case close to the crossing.

Column 3: Circuitry will automatically interrupt crossing protection when switches, located within the activation circuit of the crossing, are reversed. After protection has been interrupted, trains must not occupy the crossing until the protection has been operating for at least 20 seconds, or if equipped with gates, they are in the horizontal position.

(Also, see S.I.'s 138-S1 & 138-S2, pgs 311 & 312) (Continued on next page.)

138-PR1. (Cont'd)					
MP	CROSSING	1	2	3	Notes
188.5	Duck Pond Rd	...	X	...	1
189.4	Eleanor Dr	...	X	...	1
191.1	Maple Hill Rd	...	X	...	1
195.4	Hays Rd	...	X	...	1

Note 1: De-activate/Activate.

900-PR1. DISPATCHERS: ASSIGNED TERRITORIES

DISPATCHER	TERRITORY
Hudson Line	CP 142, inclusive to CP 187 (CSX), exclusive.

NIAGARA WHIRLPOOL BRIDGE (NGB)

STATIONS	MP	INT	PS	Notes
Division Post (CSX CP 28) (Niagara Whirlpool Bridge) (CSX) (Niagara Branch Sub)	28.2	...	...	1
Division Post (CN MP 0.47) (Niagara Whirlpool Bridge) (CN) (Grimsby Sub)	28.57	...	...	1

The direction from MP 28.2 to MP 28.57 is North.

Note 1: The Niagara Whirlpool Bridge Trk between MP 28.2 and MP 28.57 is governed by NORAC Rule 98 – “Movement on a track not governed by ABS, DCS or interlocking rules must be made at Restricted Speed.”

A-NG1. REQUIRED BOOKS

Crews operating on the Niagara Whirlpool Bridge are not required to carry the NORAC Operating Rules.

37-NG1. MAXIMUM SPEED

Location	Between/At	Restricted Speed Not Exceeding	
		Psg	Frt
Niagara Whirlpool Bridge	MP 28.2 & MP 28.57	10	10

40-NG1. ENGINE AND EQUIPMENT RESTRICTIONS

The numbers shown in the columns to the right of each listed location specify the maximum dimension engines and equipment that may be operated. Engine and equipment dimension specifications are assigned in S.I. 37-S5 (page 279) for equipment authorized to operate on the NEC.

Notes shown in parentheses in the location column are defined at the end of the table.

Location	Single Track	
	Dim Equip	Notes
Niagara Whirlpool Bridge	6	...

900-NG1. DISPATCHERS: ASSIGNED TERRITORIES

DISPATCHER	TERRITORY
Hudson Line	MP 28.2, exclusive to MP 28.57, exclusive

HUDSON LINE—METRO-NORTH RAILROAD
(For Information Only)

STATIONS	MP	INT	RTC	PS	NOTES	
CP 12 (Amtrak Hudson Line)	11.8	X	C ↓ D ↓	...	...
RIVERDALE	13.0	...		X	...	
LUDLOW	14.4	...		X	...	
YONKERS	15.2	...		X	...	
GLENWOOD	16.3	...		X	...	
GREYSTONE	17.9	...		X	...	
CP 19	18.5	X		...	...
HASTINGS-ON-HUDSON	19.5	...		X	...	
DOBBS FERRY	20.7	...		X	...	
ARDSLEY-ON-HUDSON	21.8	...		X	...	
IRVINGTON	22.7	...		X	...	
CP 25	24.7	X		...	...
TARRYTOWN	25.3	...		X	...	
CP 26	26.4	X		...	...
PHILIPSE MANOR	26.5	...		X	...	
SCARBOROUGH	29.5	...		X	...	
OSSINING	30.9	...		X	...	
CP 33	32.9	...		D ↓
CROTON-HARMON	33.3	...			X	...
Harmon Yard	33.3
CP 34	33.4	X		
CP 35	34.2	X		
CP 36	36.4	X			...	1
CORTLANDT	38.4	...			X	...
CP 39	39.7	X		
PEEKSKILL	41.3	...			X	...
CP 46	46.0	X		
MANITOU	46.1	...			X	...
<i>Hot Box/ Dragging Equipment/ Third Rail Detector</i>	48.3
GARRISON	49.9	...			X	...
COLD SPRING	52.4	...			X	...
CP 53	53.0	X		
BREAKNECK RIDGE	55.0	...			X	...
CP 58 (Beacon Line)	58.6	X		
BEACON	59.0	...			X	...
CP 61	61.4	X		
NEW HAMBURG	65.1	...			X	...
CP 72	72.5	X	...		...
POUGHKEEPSIE	73.6	...	X		...	
CP 75	75.5	X	...		...
CP DIVISION POST (Amtrak)	75.8	...	...	...
CSS Rules apply between CP 12 & CP Division Post MP 75.8.						
Note 1: Int in service on No. 4 trk and yard trk 6 only.						

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NEW YORK TERMINAL DISTRICT (NYT)

STATIONS	MP	INT	PS	NOTES
A R-PSCC (Hudson Line) (Main Line-New York to Philadelphia)	0.2	X
KN R-PSCC (Penn. Station)	0.1	X	...	...
NEW YORK R-PSCC	0.0	...	X	...
C R-PSCC	0.1	X	...	...
JO R-PSCC	0.1	X	...	...
F R-PSCC (Sunnyside Yard) (North Runner Trk) (Sub 1, 2 & 3 Running Trks.) (Loops: "A", 1 & 2 Running Trks.)	3.0	X	...	1, 2 & 4
HAROLD R-PSCC (Main Line-Harold to CP 216) (LIRR) (Connecting Running Track)	3.7	X	...	3
<p>Mile Post Distances are measured from New York Penn Station. The Direction from New York to Harold is eastward. The direction from New York to A is westward. Q & Loop Ints, and R Switching Center are located in Sunnyside Yard. Loop Int is remotely controlled by R, and is equipped with dual control switches. Note 1: Sub 1, 2 & 3 Running Tracks between Q & F, controlled by Q. Note 2: Loop "A", 1 & 2 Running Tracks between F & R, controlled by R. Note 3: Connecting Running Track between Q & End of Track, controlled by Q. Note 4: Q to R – North Runner Trk, Hump Trk & Eastward Engine Trk controlled by R.</p>				

240-T1. SIGNAL RULES and CURRENT OF TRAFFIC

On tracks where Rule 261 is in effect, ABS Rules and CSS Rules 550 through 561 are in effect for movements in both directions.

Between	Tracks				Notes
	4	3	2	1	
A & JO	Interlocking Rules in effect on Tracks 15 through 5				...
A & C	Interlocking Rules in effect on Tracks 18 through 16				...
KN & C	Interlocking Rules in effect on Tracks 21 through 19				...
JO/C & Harold	261	261	261	261	...
F & Harold	Interlocking Rules in effect on Line 2 Connection				1
<p>Within Penn. Station, New York, station tracks 5 through 21 are designated Main tracks. Note 1: CSS Rules in effect for movement in both directions.</p>					

37-T1. PASSENGER TRAINS and FREIGHT TRAINS MAXIMUM SPEEDS and SPEED RESTRICTIONS, UNLESS OTHERWISE RESTRICTED

Locations and speeds shown in normal type are maximum authorized speeds. Locations and speeds shown in **bold type** are speed restrictions. Where speeds change at an interlocking and the specific point where the speed change occurs is not specified, the lower speed will apply through the entire interlocking.

PASSENGER TRAINS				
Between/At	Tracks			
	No. 1	No. 2	No. 3	No. 4
West Limits A Int. & East Limits				
JO & C Ints. All tracks 15 MPH				
★Through East River Tunnels	60	60	60	60
East River Tunnels & Harold	60	60	60	60
F Int. Line 2 Connection 45 MPH				
Harold Int.:				
Diverting movements to & from NYS No. 1 trk 45 MPH				
Long Island City Westward Psgr Trk. 30 MPH				
Long Island Frt Trk. 60 MPH				
★ Note: Amtrak car 9800 must not exceed 30 MPH between signal locations listed in 37-T6, pg 163.				
FREIGHT TRAINS				
Between/At	No. 1	No. 2	No. 3	No. 4
West Limits A Int. & East Limits				
JO & C Ints. All Tracks 8 MPH				
Through East River Tunnels:	20	20	20	20
Except: Between Signal 3E04 and 6th Ave. Portals . . . . .	...	...	15	...
East River Tunnels & Harold	20	20	20	20
F Int.: Line 2 Connection 30 MPH				
Harold Int.:				
Diverting movements to & from NYS No. 1 trk 20 MPH				
Long Island City Westward Psgr trk 30 MPH				
Long Island Frt trk 25 MPH				

C-T1. LONG ISLAND RAILROAD EMPLOYEES

Timetable, Book of Rules and General Notices of the Long Island Railroad will apply and be the authority for movement of Long Island Railroad trains and track cars between Harold and **A**, under the direction of Terminal Superintendent. Amtrak Movement Permit Form D will be used in lieu of Long Island Railroad Form L. Differences between Amtrak and Long Island Railroad operating rules and procedures will be covered in Long Island Railroad Special Instructions and General Notices and reviewed in periodic examination classes.

C-T2. PHYSICAL CHARACTERISTICS QUALIFICATION - ASSISTANT CONDUCTORS AND CONDUCTORS

Amtrak New York Crew Base Zone 1 and Zone 2 Assistant Conductors must be qualified on the physical characteristics of New York Pennsylvania Station and Sunnyside Yard. Conductors and Assistant Conductors absent from work train, yard and/or relay service in the New York Terminal District for 6 months or longer must contact a Terminal Trainmaster or an Operating Practices Department representative before starting such an assignment.

1-T1. SUPERINTENDENT–TRAIN OPERATIONS NOTICES

Dispatchers, Console Operators, Block Operators and Yardmasters must read and comply with all Superintendent–Train Operations Notices (STON) that apply to them. STON's will be issued as required by the Superintendent–Train Operations and/or Superintendent–Train Operations PSCC. STON's will be numbered sequentially, the number being prefixed by the last two digits of the calendar year. The number of the most recent STON will be published at the top of the Bulletin Order. STON's will be distributed to dispatching offices and interlocking stations.

16-T1. BLUE SIGNAL PROTECTION: NEW YORK PENN STATION TRACKS 5 THROUGH 21

The following blue signal protection procedures apply on New York Penn Station Tracks 5 through 21, which are designated as Main Tracks in SI 240-T1 (see page 159).

NOTE: The provisions of Rule 16 pertaining to “Other Than Main Tracks” apply to New York Penn Station Tracks 1 through 4, and tracks in Yards A, C, D and E.

Responsibility of All Mechanical Employees

Mechanical employees must not perform any work that requires blue signal protection until assured by the Mechanical Foreman or qualified craft employee in charge that blue signal protection has been provided.

Responsibilities of Mechanical Foreman or Qualified Craft Employee

The Mechanical Foreman or qualified craft employee in charge must take the following actions before authorizing or performing any work that requires blue signal protection:

1. Ensure that other equipment on the track to be protected is at least 20 feet from the equipment to be worked, or as far from the equipment as possible.
2. Contact the PSCC Dispatcher at telephone number 6006 to obtain “**Supplemental Blue Signal Protection**” on the required track.

NOTE: This protection prevents the Dispatcher from routing trains **to** the affected track; it does not prevent the Dispatcher from routing trains **off** the affected track. The protection is considered “supplemental” because the law that governs blue signal protection on main tracks requires only actions 3 and 4 below.

3. Display a Blue Signal at each end of the equipment to be worked.
4. Attach a Blue Signal to the controlling engine(s) at a location where it will be clearly visible to an employee at the controls of that engine.

After all work has been completed, the individual who requested the “Supplemental Blue Signal Protection” will check to see that all employees are in the clear, then call the Dispatcher to give up the protection.

Responsibilities of PSCC Train Dispatcher

The PSCC Dispatcher must take the following actions when granting “Supplemental Blue Signal Protection”:

1. Before granting “Supplemental Blue Signal Protection,” the Dispatcher must apply blocking devices to prevent the display of any signal leading to the affected track.
2. Once “Supplemental Blue Signal Protection” is granted, the Dispatcher must not remove the blocking devices or authorize any equipment to enter the track until informed by the employee in charge of the workmen that the work has been completed.
3. The Dispatcher must immediately make a written record on the prescribed form of the application and removal of the blocking device protection. This record must be retained for 15 days following the date of removal.

19-T1. ENGINE WHISTLE OR HORN: PENN STATION, JO, C, AND KN INTERLOCKINGS

Except when approaching Roadway Workers or in an emergency, trains must **not** sound their engine whistle or horn while within JO, C and KN interlockings or within the roofed or enclosed areas of Penn Station. This restriction is intended to prevent hearing loss injuries to passengers as well as employees working in the station.

22-T1. ENGINE HEADLIGHT: PENN STATION

Trains standing in New York Penn Station must extinguish their headlights until ready to depart. Prior to initiating movement the headlight must be displayed according to NORAC Rule 22.

34-T1. SUNNYSIDE - 480 VOLT STANDBY

To assist crews in spotting equipment for 480 volt standby, yellow stripes are painted adjacent to tracks 1 through 11, west of the COBRA crossing. When equipment is left standing on these tracks, the rear car must be spotted next to the yellow stripe.

36-T1. PENN STATION: SPOTTING 9 CAR PUSH-PULL SET

Trains arriving at PSNY routed to Track 2 with a 9 car push-pull set will arrange to spot their equipment with the engineers cab window adjacent to the 9PP car marker sign located at the east end of the platform.

37-T2. ACSES TRAIN TYPE SELECTOR SWITCH

Different Train Type “B” definitions are in effect on the NYP and NHB lines. Engineers taking charge of Regional service passenger trains in New York must ensure that the train type selector switch is in the proper position for the Train Type “B” definition in effect on the line they will traverse.

37-T3. SPEEDOMETER CHECKING: MEASURED MILES

White marker posts bearing the letters MM (measured mile) are in service for eastward movements at the following locations:

No. 1 (Line 1) track at Signal 1E14 and a point 2420 feet east of Long Island City shaft.

No. 2 (Line 2) track 75 feet east of Signal 2E14 and 2550 feet east of the Long Island City shaft.

No. 3 (Line 3) track 437 feet east of Signal 3E14 and 3000 feet east of the Long Island City shaft.

No. 4 (Line 4) track at Signal 4E14 and a point 2700 feet east of Long Island City shaft.

37-T4. MAXIMUM SPEEDS-RUNNING TRACKS

Track	Between	And	Restricted Speed not exceeding
North Runner	Q	R	15 MPH
Sub Tracks 1 & 2	Q	Reverse curves at jump over of Line 2 & Line 4 trks	8 MPH
Sub Tracks 1 & 2	Reverse curves at jump over of Line 2 & Line 4 trks	F	15 MPH
Sub Trk 3	Q	F	8 MPH
Connecting	Q	End of Track	5 MPH
Loop Nos. 1 & 2	F	First curve east of Loop	15 MPH ★
Loop A	Loop	First curve east of Loop	15 MPH
Loop A, 1 & 2	First curve east of Loop	R	5 MPH

★ - Drafts containing passenger cars on Loops Nos. 1 and 2 must not exceed 3 MPH while moving through car washing machines when cars are being washed.

37-T5. MAXIMUM SPEEDS-OTHER TRACKS

Location	Tracks	Restricted Speed not exceeding
Sunnyside Yard	Eastward and Westward Engine Tracks	5 MPH
Sunnyside Yard	All tracks between R Switching Center and the western limits of Q Int, except the North Runner	5 MPH

37-T6. SPEED RESTRICTIONS: AMTRAK CAR 9800: JO & C TO F

Amtrak car 9800 must not exceed 30 MPH when operating within the East River Tunnels between the signal locations listed below.

Track	Eastward	Westward
No. 1 (Line 1)	1E08-1E14	1E15-1E09
No. 2 (Line 2)	2E08-2E14	2E17-2E07
No. 3 (Line 3)	3E08-3E14	3E17-3E07
No. 4 (Line 4)	4E08-4E14	4E15-4E07

40-T1. ENGINE AND EQUIPMENT RESTRICTIONS

The numbers shown in the columns to the right of each listed location specify the maximum dimension engines and equipment that may be operated. Engine and equipment dimension specifications are assigned in S.I. 37-S5 (page 279) for equipment authorized to operate on the NEC.

Notes shown in parentheses in the location column are defined at the end of the table.

Location	Tracks				
	4	3	2	1	Other
A Int. & JO—C: All Station tracks (a)(b)	1	1	1	1	1
JO—C & F (a)(b)	1	1	1	1	...
F & Harold (a)	3	3	3	3	...
Sunnyside Yard, all tracks	3	3	3	3	3
High Speed Rail S&I Building, all tracks	...	...	...	...	1

Notes:

(a) Capitoliner Control Car 9637 is prohibited from operating between A and Harold.

(b) Engines of dimension #2 may operate when verbally authorized by the Dispatcher at PSCC.

41-T1. CWR EQUIPMENT-A and HAROLD

Freight trains containing two or more Continuous Welded Rail (CWR) cars coupled to each other must operate No. 11 trk. through Penn Station; No. 1 trk between JO & Harold or No. 12 trk through Penn Station; No. 2 trk between JO & Harold with no diverging movements at A, JO or F interlockings; and are prohibited on Connecting trk. between Harold & Q interlockings. This restriction applies to CWR cars of foreign railroads & includes Amtrak equipment in car series 15250-15252, and 15260-15316.

42-T1. HEIGHT RESTRICTIONS

Any equipment exceeding 14 feet 8 inches maximum height above the top of the rail is prohibited from operating in New York Penn Station, the North and East River Tunnels, and the Empire Tunnel.

43-T1. CLOSE CLEARANCE: JO TO A

Close clearance exists at the east end of No. 14 track adjacent to stairway, where pedestrian barricade is erected along platform. Crews must exercise caution and must not discharge passengers in this area.

43-T2. CLOSE CLEARANCE: SUNNYSIDE YARD CAR SHOP AND LOCOMOTIVE SERVICING TRACKS

Within the Sunnyside Locomotive & Coach Repair Shop, the ground along the north and south sides of Tracks 38 (Wheel 4) and 39 (Wheel 5) is marked in red due to close clearance. Equipment or other obstructions adjacent to these tracks and within the red area will foul these tracks. Equipment operating on these tracks encountering equipment or obstructions within the red area must stop immediately and may not continue movement until the equipment or obstruction is clear.

47-T1. TRACKS EQUIPPED FOR DC ELECTRICAL OPERATION:

All Main Tracks: between Harold and C-JO.

Running Tracks: Sub tracks 1, 2 and 3 to a point 1000 feet east of connection with No. 4 track (Line 4) and No. 2 track (Line 2) at F. Loop tracks No. 1 & 2 to a point 1000 feet east of connection with No. 1 track (Line 1) and No. 3 track (Line 3) at F.

Other Tracks: Lead tracks 3 and 5 at Q, No. 1 Enginehouse track, Hump track, Lead track No. 6 at R connection with Hump track, Eastward Engine track between Q and Sunnyside Enginehouse.

New York, Pennsylvania Station: A Yard—Track 5A, D Yard —Track 6, Station tracks 5 through 21 inclusive, No. 1x, and No. 3x through 6x tracks inclusive. Tracks 8C, 9C & 10C between KN and Yard C.

90-T1. DEADHEADING EMPLOYEES – Q INTERLOCKING

To assist employees deadheading from Sunnyside Yard to New York, a high level platform approximately 12 feet long is in service within Q Interlocking at the west end of the Eastward Engine Track (Inbound) beneath Queens Boulevard overhead bridge. Westward New Jersey Transit trains are authorized to make a **brief** stop at this location to pick up employees when they are seen on or about the platform.

98-T1. R SWITCHING CENTER

Movements through R Switching Center are governed by indications of fixed signals controlled by the Operator at R.

R Switching Center is not an Interlocking, however Interlocking Rules 600 through 616 and Special Instruction 601-S1 govern operations at R Switching Center.

98-T2. SUNNYSIDE YARD - HIGH SPEED RAIL SERVICE AND INSPECTION BUILDING

High Speed Rail S & I Building has No. 1 and No. 2 Tracks extending through the building with power-operated derails, controlled by the mechanical department, located on both ends of each track. Fixed overhead flashing blue signals mounted on the building exterior, when illuminated indicate that the restrictions of Rule 16 “Blue Signal Protection of Workers” apply.

98-T3. CONTROL OF YARD TRACKS

1. Sunnyside Yard - Car Shop and Locomotive Servicing Tracks

The following Sunnyside Maintenance Facility tracks are designated Car Shop and Locomotive Repair Tracks. Authority of the employee named must be obtained before any movement is made. The Yardmaster and High Speed Rail Foreman may be contacted on channel 036-036. The Mechanical Foreman may be contacted on channel 043-043.

TRACKS	CONTROLLED BY
Tracks 37 (Wheel 3), 38 (Wheel 4), & 39 (Wheel 5) of the Locomotive & Coach Repair Shop between 50 feet west of derail on west end and 50 feet east of derail on east end.	Mechanical Foreman, Sunnyside Yard
Engine House Track & Engine Ready Track of the Locomotive & Coach Repair Shop between the “ <i>Entering Engine House Territory</i> ” signs posted outside the building limits.	Mechanical Foreman, Sunnyside Yard
S&I Tracks 1 & 2 of the High Speed Rail Inspection Building between the “ <i>Stop-Do not Enter Without Supervisor’s Permission</i> ” signs posted outside the building limits.	High Speed Rail Foreman, Sunnyside Yard

2. Yardmaster

The Yardmaster is in charge of movements on all other tracks in Sunnyside Yard.

102-T1. PENNSYLVANIA STATION—NEW YORK: FLASHING RED LAMPS.

When mail, baggage or express is being loaded or unloaded on cars not attended by a crew in Penn Station, a red flashing lamp will be placed on both ends of the equipment. When red flashing lamps are displayed, crews must not couple to or move the cars until they have contacted the Baggage Foreman and he has removed the lamps.

104-T1. NORMAL POSITION OF SWITCHES AND CROSSOVERS AT SPECIFIED LOCATIONS

Switch location	Connecting	With	Normal Position is for Movement	Notes
Q Int.	1 Lead	Wheel Shop	To Engine House Territory	1
Q Int.	1 Lead	West Lead of Engine House	To Engine House Territory	1
West of R	Wheel Shop Lead	East Lead of Engine House	To Engine House Territory	...
Hump Track Sunnyside Yard	Hump Track	Eastward Engine Trk	To Eastward Engine Track	...

Note 1: Employees operating on or off the west end of Tracks 36, 37, 38 & 39 upon completion of their movement **MUST** line switches for movement to Engine House territory.

104-T2. FOULING POINT - SUNNYSIDE YARD SWITCHES

The fouling point of switches within Sunnyside Yard is indicated by a red stripe painted on the cross ties and/or web of both rails. Equipment placed on any track in Sunnyside Yard must be positioned clear of the fouling point. When conditions do not permit equipment to clear the fouling point, a crew member must immediately notify the Yardmaster and advise which track(s) is fouled.

104-T3. SUNNYSIDE YARD - MOVEMENT RESTRICTIONS

At most locations in Sunnyside Yard, movement from 2 or more yard tracks into Q Interlocking and R Switching Center is governed by a common signal. To avoid the possibility of conflicting movements, trains operating from Sunnyside Yard to Q or R must obtain verbal permission from the Operator before accepting the signal or fouling the switches prior to the signal.

104-T4. SUNNYSIDE YARD - MOVEMENTS NORTH RUNNER TO MW STORAGE TRACK

A hand operated facing point turnout is in service 625 feet west of R Interlocking home signal for westbound movements from the North Runner to the east end of the MW Storage Track. Dwarf signals are in service on the North Runner east and west of the switch.

When the switch is lined in normal position for movement on the North Runner the signals will display Restricting and a pipe connected derail remains applied on the Storage Track.

When the switch is lined for movement to the MW Storage Track the signals will display Stop Signal and the derail will be in the non-derailing position.

Movement from the North Runner to the MW Storage Track must operate past the Restricting signal and stop prior to reaching the switch points before operating the switch.

Movement from the MW Storage Track to the North Runner must receive permission from the Operator at R before the switch may be operated.

Note: In the application of Rule 241, when Stop Signals are displayed at this location, authority to pass the signal must come from the Operator at R after the proper position of the switch has been verified and reported to the Operator.

108-T1. ENGINES UNATTENDED, PENNSYLVANIA STATION

Engine(s) not coupled to cars must not be left standing unattended in Pennsylvania Station, New York, on tracks 1 through 21, inclusive.

116-T1. OPERATING FROM OTHER THAN THE LEADING END WITH PASSENGER EQUIPMENT: NEW YORK PENN STATION

In the application of SI 116-S2 within New York Penn Station, a back-up hose or the emergency brake valve must be used by the crew on the leading end of the move when operating from other than the leading end with passenger equipment whether occupied or unoccupied.

Prior to beginning the movement, the employee on the leading end must test the back-up hose in accord with AMT-3 Instruction 5.4.2, or emergency brake valve (other than on a properly pointed Locomotive) by initiating an emergency brake application and the engineer must inform the employee that an emergency application has occurred. (The Note in AMT-3 5.4.3 does not apply.)

Note: Train inspection and standing train brake test requirements do not apply when testing the back-up hose or emergency brake valve as required by this Special Instruction. The Engineer is required to make a Running Brake Test as per AMT-3 Instruction P4.2.4 or NP4.2.5.

Exception: Movement may be made without a back-up hose or crew member in position to operate the emergency brake valve when a full baggage car is on the leading end of the movement and/or conditions make it unsafe for the crew member to ride on the side of the leading car. In such a case, the crew member must walk ahead of the train to direct movement.

132-T1. TRACKS AND SWITCHES OUT OF SERVICE

The tracks and switches listed below are out of service for train movements, except when such movements are personally supervised by an MW Foreman or MW Supervisor, or when movement consists entirely of track cars.

If a remotely controlled switch provides access to an affected track, the Operator or Dispatcher must apply blocking device protection to prevent the accidental routing of trains to that track. If a hand operated switch provides access to an affected track, the last Engineering Department employee to use the switch must spike the switch to prevent its accidental use.

Location	Track/Switch
A-Yard E	Tracks 4E, 5E, 6E.
Q Int	Sub 4 Track; Q Spur between barricades erected 50 feet west of No. 49 crossover in reverse position and a barricade erected 50 feet east of No. 50 turnout in normal position.

138-T1. SUNNYSIDE YARD - COBRA CROSSING

Equipment must not be left standing closer than 15 feet to the first COBRA crossing west of Honeywell Ave. OH Br (first OH Br west of R Int Station), in order to increase visibility at the crossing.

277-T1. DUPLICATE SIGNALS

Duplicate signals are on the left side of the track at:

Signal 2E11, trk 2 East River Tunnel, designated R2E11.

Signal 2E21, trk 2 East River Tunnel, designated R2E21.

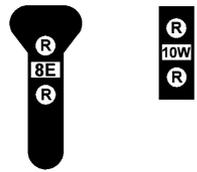
Signal 4E21, trk 4 East River Tunnel, designated R4E21.

Duplicate signals are on the right side of the track at:

Signal 3E21, trk 3 East River Tunnel, designated R3E21.

277-T2. NON-CONFORMING ASPECTS: A, KN, C, & JO

The signal aspects illustrated at right, which are not in conformity with typical aspects, are in service between the western limits of **A** & **KN** Interlockings, and the eastern limits of **C** & **JO** Interlockings. Even though these signals are numbered with a lever number and an "E" or "W", their most restrictive aspect is STOP:



NAME: Stop Signal
INDICATION: Stop

EXCEPTION: Signals W-04 on tracks 1X and 2X, illustrated at right, are automatic signals, and their most restrictive aspect is Stop & Proceed:



NAME: Stop and Proceed
INDICATION: *Shown in Rule 291*

277-T3. HAROLD INTERLOCKING

A white arrow (Fig. A) is in service on the eastward Interlocking Signal No. 800E (On LIRR Port Washington No. 1 Track 1580 feet east of Harold Int. Station).

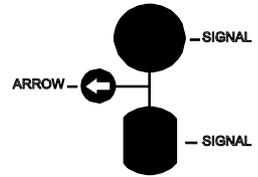


Figure A

A white arrow (Fig. B) is in service on the eastward pedestal type Interlocking Signals No. 856E (On LIRR Port Washington Branch No. 2 track 330 feet east of Harold Int. Station), No. 858E (On LIRR Main Line No. 2 track 330 feet east of Harold Int. Station).

Illuminated arrow indicates that the route is lined to the Port Washington Branch.

All Amtrak trains scheduled for the NYS Line must stop clear of the interlocking signal if the arrow is lighted, and contact PSCC immediately for instructions.

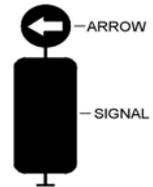
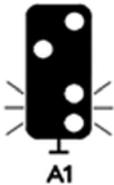


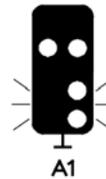
Figure B

277-T4. NON-CONFORMING ASPECT: HAROLD INTERLOCKING

The following signal aspects, not in conformity with the typical aspects illustrated in the NORAC Operating Rules, are in service at Harold Interlocking:



NAME: Approach Limited
INDICATION: See Rule 281b



NAME: Limited Clear
INDICATION: See Rule 281c

550-T1. LONG ISLAND RAILROAD TRAINS

Long Island Railroad trains equipped with Automatic Speed Control in operative condition for the direction they are to move will be considered as meeting the requirements of the **Rules** in the same manner as if they were equipped with cab signals.

If Automatic Speed Control fails, it will be cut out and the movement will proceed governed by fixed signal indications but not exceeding 30 miles per hour. The failure must be reported immediately to the PSCC dispatcher via radio when operative. A LIRR train reporting a failure of the Automatic Speed Control system on which the **ASC cab signal indicator and warning device are operative** may be given permission by the PSCC dispatcher to proceed in accordance with indications on the cab signal indicator and fixed signals, not exceeding 60 MPH.

613-T1. A, JO, KN & C - LEADING END OF TRAIN STOPPED BETWEEN SIGNALS

(0) When the leading end of a train is stopped between signals at A, JO, KN, & C and:

1. There are one or more switches between the train and the next signal,

or

2. The next signal displays Stop Signal,

the train must not begin movement toward an interlocking signal until a crew member observes and verbally notifies the Engineer that the first interlocking signal to the rear of the leading end for the direction of movement is displaying a proceed aspect. When such observation is not possible, the Engineer must contact the Dispatcher to receive verbal permission to proceed.

(0) Verbal Permission to Proceed - In the application of NORAC Rules 241 and 613:

1. Verbal authority to proceed must **not** be issued until the exact location of the train has been determined, which must include track number, and signal number or other physical characteristic. Additionally, the signal to the rear of the leading end of the train must be displayed when possible ("call-on").

2. The Dispatcher must issue verbal permission to proceed in the following manner: *"Amtrak Train 232 engine 700 proceed west on body track 6 Penn Station up to signal No.132W"*. The receiving employee must repeat this permission and the Dispatcher must then confirm it. Movement may then proceed at Restricted Speed to the next signal.

(0) When the leading end of a train is stopped between signals, the train may proceed without observing the first interlocking signal to the rear of the leading end of the train or contacting Dispatcher, if:

1. There are no switches between the train and the next signal,

AND

2. The next signal displays a proceed aspect.

701-T1. SUNNYSIDE YARD - RADIO TRANSMISSIONS

Yard radio frequency 036-036 is to be used by all train and engine movements within Sunnyside Yard, Loop Tracks, and Sub Tracks when communicating with the East end and West end Yardmasters, and the Operators at Q and R Interlocking Stations. Road channel 060-060 in service at F.

Except in an emergency, M/W, C&S and B&B employees must use radio channel 027-027 for all transmissions in Sunnyside Yard. Yardmasters and Operators at Q and R Interlocking Stations are equipped with radio channel 027-027.

Red signs with white lettering are in service at the following locations to indicate the proper radio frequency to be used :

Loop Tracks 1 & 2: East end of car washing machine

Sub Tracks 1, 2 & 3: West of former F Int Station

706-T1. PORTABLE RADIO TRANSMISSIONS WITHIN THE EAST RIVER TUNNELS

“NYP Road Rptr” channel is in service for portable radios within the North River, East River and Empire Tunnels. Lower powered portable radio transmissions made on “NYP Road Rptr” within the tunnels are picked up by a repeater and retransmitted on Road Channel 060 at high enough power to be received by portable and/or engine radios also located within the tunnels. While the “NYP Road Rptr” channel transmits on the repeater frequency, it receives on Road Channel 060.

Note: No adjustment is necessary for engine radios to communicate with portable radios while within the tunnels.

The Dispatcher at PSCC receives all transmissions made within the tunnels on Road Channel 060 or “NYP Road Rptr”.

708-T1. PSCC

In the application of Rule 708, the terms “PSCC” or “Penn Station Central Control” **must** be used when originating or initially responding to a radio call in which PSCC is involved.

900-T1. DISPATCHERS ASSIGNED TERRITORIES

DISPATCHER	TERRITORY
Penn Station Central Control	Harold (inclusive) to A (inclusive).
Section A	R and Q interlockings.

940-T1. CREWS IN YARD AND YARD-RELAY SERVICE –

950-T1. NEW YORK TERMINAL DISTRICT

Crews in yard-relay service must communicate with the Yardmaster at PSCC immediately upon arrival in Penn Station.

Yard crews working within Penn Station must communicate with the Yardmaster at PSCC when initially signing up, and upon completion of the move they were assigned.

Yard crews working within Sunnyside Yard must communicate with the Yardmaster at the High Speed Rail Facility when initially signing up, and upon completion of the move they were assigned.

Yard crews must contact an Amtrak Terminal Services supervisor, prior to marking off with the Crew Dispatcher.

940-T2. CREWS IN ROAD SERVICE – PENNSYLVANIA

950-T2. STATION, NEW YORK

When signing up in New York, T&E crews in road service must check an available electro-writer screen as soon as practicable to determine the station track number for their assigned train. If unable to locate their assigned train on an electro-writer screen no less than 10 minutes prior to scheduled departure, they must report to the Terminal Operations Center (TOC) to obtain their assigned train's station track number, in order to avoid undue delay.

940-T3. AMTRAK TRAINS RECEIVING PASSENGERS: NY PENN STATION

Amtrak trains receiving passengers in New York Penn Station **must not** depart until permission has been received from Station Services personnel or a manager. If unable to contact Station Services or a manager, the Conductor must contact the PSCC Dispatcher via radio channel 060-060.

941-T1. PENN STATION JO TO A - PLATFORM GAP

Due to excessive gap between train and the passenger platform adjacent to No. 12 Track, from the west end of the platform to a point 170 feet east thereof, crews of trains platforming in this area must ensure that doors are protected to avoid injury.

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MAIN LINE—NEW YORK TO PHILADELPHIA (NYP)

STATIONS	MP	INT	PS	NOTES
NEW YORK (Penn Station)	0.0	...	X	...
A R-PSCC (New York Terminal District) (Hudson Line)	0.2	X	...	...
NEW YORK-NEW JERSEY STATE LINE	1.2	...	...	...
CP MID R-PSCC	1.5	...	...	10
WEEHAWKEN SHAFT	1.8	...	...	...
BERGEN R-PSCC	3.7	X	...	...
ALLIED R-Section A TD	4.0	X	...	...
ERIE R-Section A TD	4.7	X	...	...
SECAUCUS	5.0	...	X	...
LACK R-Section A TD	5.1	X	...	...
PORTAL R-Section A TD (Movable Bridge)	6.0	X	...	...
SWIFT R-Section A TD	7.2	X	...	...
HUDSON R-Section B TD (Hudson Line NJT; Running Trks 5-7-8)	8.3■ 7.0□	X	...	5
REA R-Section B TD (Running Trks 5-6-7-8)	7.8	X	...	5
HARRISON	8.3	...	X	...
DOCK (Movable Bridge)	8.5	X	...	7
NEWARK	8.8	...	X	...
CLIFF R-Section B TD	9.7	X	...	3
HUNTER R-Section B TD (Lehigh Line Conn. - See page 244)	10.5	X	...	...
NEWARK INTERNATIONAL AIRPORT	11.2	...	X	...
HAYNES R-CETC-9 TD	11.3	X	...	11
LANE R-CETC-9 TD (Lane Running Track-C.R.C.)	12.3	X	...	...
NORTH ELIZABETH	13.0	...	X	...
ELIZABETH	14.1	...	X	...
ELMORA R-CETC-9 TD	14.7	X	...	...
LINDEN	17.3	...	X	...
MERCK R-CETC-9 TD	18.7	X	...	13
NORTH RAHWAY	18.8	...	...	...
RAHWAY	19.5	...	X	...
UNION R-CETC-9 TD (North Jersey Coast Line-NJT)	19.7	X	...	...
ROADS R-CETC-9 TD	20.6	X	...	14
ISELIN R-CETC-8 TD	22.8	X	...	...
METRO PARK	23.2	...	X	...
MENLO R-CETC-8 TD	23.7	X	...	...
METUCHEN	25.8	...	X	...
LINCOLN R-CETC-8 TD	26.0	X	...	...

MAIN LINE—NEW YORK TO PHILADELPHIA (NYP)

STATIONS	MP	INT	PS	NOTES
EDISON R-CETC-8 TD	28.1	X	...	1
EDISON STATION	28.9	...	X	...
NEW BRUNSWICK	31.4	...	X	...
COUNTY R-CETC-8 TD (Millstone & No. 5 Running Tracks)	32.8	X	...	4
JERSEY AVENUE	33.1	...	X	...
MIDWAY R-CETC-8 TD (Amboy Sec. Trk.-C.R.C.)	41.3	X	...	...
PRINCETON JCT	47.1	...	X	...
HAMILTON	53.0	...	X	...
HAM R-CETC-7 TD (No. 5 Running & Naught Running)	55.7	X	...	6
FAIR R-CETC-7 TD (Naught Running)	56.4	X	...	6
TRENTON	56.7	...	X	...
STATE LINE (New Jersey-Pennsylvania)	57.7	...	...	...
MORRIS R-CETC-7 TD (Morrisville Line CRC)	58.3	X	...	12
LEVITTOWN-TULLYTOWN	63.3	...	X	...
GRUNDY R-CETC-7 TD	65.3	X	...	...
BRISTOL	66.5	...	X	...
CROY R-CETC-7 TD	68.3	X	...	2
CROYDON	69.6	...	X	...
EDDINGTON	71.3	...	X	...
CORNWELLS HEIGHTS	72.5	...	X	...
ANDALUSIA	73.7	...	...	...
TORRESDALE	74.6	...	X	...
DIVISION POST	76.0	...	...	...
HOLMESBURG JCT.	77.2	...	X	...
HOLMES R-CETC-6 TD	77.2	X	...	...
TACONY	78.2	...	X	...
WISSINOMING	79.3	...	...	...
BRIDESBURG	80.1	...	X	...
FRANKFORD	80.9	...	...	...
FRANKFORD JCT.	81.8	...	...	...
SHORE R-CETC-6 TD (NJT AC Line) (Delair Branch-CRC)	82.1	X	...	...
CLEARFIELD R-CETC-6 TD	84.5	X	...	...
NORTH PHILADELPHIA	85.0	...	X	...
LEHIGH R-CETC-6 TD (Chestnut Hill Branch-SEPTA)	85.1	X	...	...
MANTUA R-CETC-6 TD	87.2	X	...	...
GIRARD R-CETC-6 TD	87.7	X	...	...
ZOO (ML-Philadelphia to Harrisburg) (36th St Connection) (Main Line-SEPTA)	88.0	...	...	8, 9

MAIN LINE—NEW YORK TO PHILADELPHIA (NYP)

The direction from New York to Zoo is westward.

- Mile Posts A to former Hudson Interlocking Station are numbered from New York.
- Mile Posts former Hudson Interlocking Station to Zoo are numbered from Jersey City.

See SI 161-N1 (page 185) for duplicate Mile Posts.

Note 1: Int Rules apply on No. 0, 1 and 2 trks only.

Note 2: Int Rules apply on No. 1 trk only.

Note 3: Int Rules apply on No. 1, 2 and 3 trks only.

Note 4: Millstone Running Trk and No. 5 Running Trk between County & End of Track, controlled by CETC-8 TD.

Note 5: Nos. 5, 6, 7 & 8 Running Tracks between Hudson & Rea, controlled by Section B TD.

Note 6: No. 5 Running Track between Ham & MP 55, and Naught Running Track between Fair & MP 54.8, controlled by CETC-7 TD. See SI 241-N1, page 185.

Note 7: Int Station with Amtrak Road Radio Channel 060-060.

Note 8: In service as an Int Station for PH Line & 36 Street Connection only, with Amtrak Road Radio Channel 054-054 and Conrail Road Radio Channel 046-046.

Note 9: No. 3 Main Track (“Berry Trk”) between connection with N.Y. & P. Subway Trk. (north of Zoo Int. Sta.) and 36th St., controlled by CETC-6 TD.

Note 10: Eastward controlled signals.

Note 11: Int Rules apply on No. 1 and 2 trks only.

Note 12: Road radio channel 060-060 in service east of MP 76. Road radio channel 054-054 in service west of MP 76. (See SI 707-N1, page 189.)

Note 13: Interlocking rules apply on A track only.

Note 14: Interlocking rules apply on No. 4 and B tracks only.

240-N1. SIGNAL RULES and CURRENT OF TRAFFIC

251: On trks where Rule 251 is in effect, the letter in parentheses () denotes the current of traffic: E=East, W=West, N=North, S=South. ABS Rules & CSS Rules 550—561 are in effect for movements with the current of traffic. Non-Signalled DCS Rules are in effect for movements against the current of traffic.

261: On trks where Rule 261 is in effect, ABS Rules & CSS Rules 550 through 561 are in effect for movements in both directions.

562: On tracks where Rule 562 is in effect, Rule 261, ABS Rules, and CSS Rules 550 through 563 (except Rules 554 and 556), are in effect for movements in both directions.

Int: indicates Interlocking Rules in effect.

562/Int: On tracks where Rule 562 and Interlocking Rules are effect, CSS Rules 550 through 563 (except Rules 554 and 556) are in effect for movements in both directions.

ACSES Rules: On tracks where the letter “A” follows the rule number, ACSES Rules 580—591 are in effect for movements in both directions.

Locations	Tracks from North to South				Notes
	4	3	2	1	
A & Bergen	...	562	562	...	...
Bergen & Hudson	...	562/Int	562/Int	...	...
Allied & Portal: Track A				562/Int
Erie & Lack: Track B				562/Int
Hudson & Rea	...	562/Int	562/Int	Int	3

240-N1. (Cont'd)					
Locations	Tracks from North to South				Notes
	4	3	2	1	
Rea & Dock	...	Int	Int	Int	3
Dock & Cliff	261	261	261	251(E)	1
Cliff & Elmora	261	261	261	261	...
Hunter & Lane: Track 5, Track A	261				
Elmora & Merck: Track A	251(E)				
Elmora & Union	251(W)	261	261	251(E)	...
Track B	251(W)				
Merck & Union: Track A	Int				
Union & Roads	Int	...	...	...	...
Track B	Int				
Union & Iselin	...	261	261	251(E)	2
Roads & Iselin	251(W)	...	...	...	...
Iselin & Menlo	Int	Int	Int	Int	3
Menlo & Lincoln	251(W)	261	261	251(E)	...
Lincoln & Edison	251(W)	261	261	261	...
Track No. 0	261				
Edison & County	251(W)	261	261	251(E)	...
County & Midway	251(W)	261-A	261-A	251(E)	...
Midway & Ham	Note 7	261-A	261-A	251(E)	6, 7
Ham & Fair	Int	Int	Int	Int	3
No. 5 Track	Int (Note 3)				
Fair & Morris	261	261	261	261	...
Morris & Grundy	251(W)	261	261	251(E)	...
Grundy & Holmes	251(W)	261	261	...	...
Grundy & Croy	...	...	...	261	...
Croy & Holmes	...	...	...	251(E)	...
Holmes & Shore	261	261	261	261	...
Shore & Clearfield	261	261	261	261	...
Clearfield & Lehigh	Int	Int	Int	Int	3
Lehigh & Mantua	261	261	261	261	...
Mantua & Girard	Int	Int	Int	Int	3, 4
Connection with N.Y. & P. Subway Trk. (north of Zoo Int. Sta.) & 36th St	Interlocking Rules in effect on No. 3 track ("Berry" Track)				5
<p>Note 1: Within Dock Int., trks 5 & A are designated Main Trks.</p> <p>Note 2: Between Union & Graw (NJT), Int Rules & CSS Rules in both directions are in effect on the Eastward connecting trk and on the Eastward & Westward Tunnel trks.</p> <p>Note 3: CSS Rules in effect for movements in both directions.</p> <p>Note 4: Tail Track - Int Rules in effect, and CSS Rules in effect in both directions.</p> <p>Note 5: CSS Rules in effect on No. 3 trk. for southward movements. Controlled by CETC-6 TD.</p> <p>Note 6: ACSES rules in effect between west limits County Int & east limits Ham Int.</p> <p>Note 7: The following rules are in effect on No. 4 Track between Midway and Ham:</p> <ul style="list-style-type: none"> ▶ Eastbound: Rule 562 in effect, Cab Signals used without fixed Automatic Block Signals. ABS Rules, CSS Rules 550 through 563 (except Rules 554 and 556), and Rule 261 are in effect for eastbound movements. Reverse movements are governed by Rule 502(b). ▶ Westbound: Fixed ABS Signals in service for westbound movements only. ABS Rules, CSS Rules 550 through 561, and Rule 261 are in effect for westbound movements. Reverse movements are governed by Rule 562(b). 					

37-N1. PASSENGER TRAINS and FREIGHT TRAINS MAXIMUM SPEEDS and SPEED RESTRICTIONS, UNLESS OTHERWISE RESTRICTED

Locations and speeds shown in normal type are maximum authorized speeds. Locations and speeds shown in **bold type** are speed restrictions. *Maximum equipment speeds listed in SI 37-S5 (page 279) must not be exceeded.*

Where speeds change at an interlocking and the specific point where the speed change occurs is not specified, the lower speed will apply through the entire interlocking.

PASSENGER TRAIN TYPE "A" & "B" SPEEDS								
Train Type A refers to High Speed Trainsets (HST) with tilt system <i>active</i> .								
Train Type B refers to (1) HST's with tilt system <i>disabled</i> ; and (2) trains consisting exclusively of HHP-8, AEM-7, ACS-64, P40BH, P42BH, or P32-BWH engines, and Amfleet, Horizon, Capitoliner Control/ Conference Cars, MARC III control/coach cars, or US DOT test car DOTX 216.								
Between/At	Train Type "A"				Train Type "B"			
	Track Nos.				Track Nos.			
	4	3	2	1	4	3	2	1
West limits A & West Portal North River Tunnels	...	60	60	...	...	60	60	...
West Portal North River Tunnels & first undergrade bridge west of MP 3	...	60	90	...	...	60	90	...
First undergrade bridge west of MP 3 & Bergen	...	90	90	...	...	90	90	...
Cv west of west portal, North River Tunnels	...	75	75	...	...	75	75	...
Bergen & NY MP 7.7	...	90	90	...	...	90	90	...
Portal Movable Br (MP 6.1)	...	60	60	...	...	60	60	...
Track A between:								
Allied & Erie							75 MPH	
Erie & Lack							45 MPH	
Lack & Portal							70 MPH	
Track B between:								
Erie & Lack							60 MPH	
NY MP 7.7 & Hudson Int	...	60	60	...	...	60	60	...
Hudson Int & Rea Int	...	60	60	45	...	60	60	45
Rea Int & JC MP 7.8	...	60	60	35	...	60	60	35
JC MP 7.8 & east limits of Dock Int	...	45	45	35	...	45	45	35
East limits of Dock Int & west end Passaic River Bridge	30	45	45	35	30	45	45	35
West end Passaic River Br & MP 9	35	35	35	35	35	35	35	35
Dock Int: Tracks A & 5							35 MPH	
MP 9 & Hunter	70	70	70	70	70	70	70	70
Hunter Int: Tracks A & 5							45 MPH	
Hunter & Elmora	90	110	110	90	90	110	110	90
Hunter & Lane: Tracks A & 5							80 MPH	
First Cv west of Hunter: Track 5							60 MPH	
First Cv west of MP 14	55	65	65	55	55	65	65	55
Cv east of Elmora	55	55	55	55	55	55	55	55
Elmora Int	60	80	80	60	60	60	60	60
Elmora & Union	90	125	125	90	90	125	125	90

37-N1. (Cont'd)								
PASSENGER TRAIN TYPE "A" & "B" SPEEDS								
Between/At	Train Type "A"				Train Type "B"			
	Track Nos.				Track Nos.			
	4	3	2	1	4	3	2	1
Track A between:								
Elmora & Automatic Block Signal 158								75 MPH
Automatic Block Signals 158 & 176								80 MPH
Automatic Block Signal 176 & Union								70 MPH
Track B between:								
Elmora & Roads:								75 MPH
Union & Graw								All Routes 30 MPH
Union & Lincoln	90	110	110	90	90	110	110	90
First Cv east of MP 24	...	...	...	...	...	95	90	...
First Cv west of MP 24	...	105	105	...	...	90	90	...
Cv at MP 25	...	...	...	...	...	95	95	...
Lincoln & MP 28	90	110	110	100	90	110	110	100
Edison & Lincoln: No. 0 Trk								15 MPH
First Cv west of Lincoln	80	95	95	80	80	80	80	80
Second Cv west of Lincoln	...	110	110	90	...	90	90	90
MP 28 & County	90	125	125	100	90	125	125	100
County & MP 54	110	135	135	110	110	135	135	110
Cv at MP 34	...	130	130	...	...	130	130	...
Cvs MP 39 & MP 40.2	...	130	130	...	...	130	130	...
MP 54 & Ham	110	135	135	110	110	135	135	110
Ham & Morris	80	110	110	80	80	110	110	80
No. 5 Track Between:								
● East limit Ham Int & A point 15 feet east of the facing point switch for eastward movement to No. 4 trk at Ham								5 MPH
● A point 15 feet east of the facing point switch for eastward movement to No. 4 trk at Ham & East limit Fair Int.								30 MPH
● East limit Fair Int & West end Trenton Station								15 MPH
Fair Int:								
No. 7 Track, South High, North Low, Wall and Hill Tracks								15 MPH
Movements from Nos. 5 or 7 station trks to								
Trk No. 4 thru turnouts at west end of Trenton station								10 MPH
First Cv west of Trenton	65	...	...	65	65	95	...	65
Morris Int	...	...	...	...	...	100	100	...
Morris & MP 62	100	125	125	100	100	110	125	100
First Cv west of Morris	...	...	...	...	...	...	110	...
Cv MP 61 & MP 62	...	...	...	...	...	...	115	...
MP 62 & MP 76	100	125	125	100	100	125	125	100
Cv east of Grundy	...	...	...	...	...	120	120	...
Cv west of Grundy	...	...	...	...	...	115	115	...
Cv west of Croydon	...	120	120	...	...	105	105	...
Cvs MP 74 & MP 75	80	105	105	80	80	90	90	80
First Cv west of MP 75	...	...	...	...	...	110	120	...
MP 76 & Holmes	100	125	125	100	100	110	110	100

37-N1. (Cont'd)								
PASSENGER TRAIN TYPE "A" & "B" SPEEDS								
Between/At	Train Type "A"				Train Type "B"			
	Track Nos.				Track Nos.			
	4	3	2	1	4	3	2	1
Holmes & Shore	90	110	110	90	90	110	110	90
Cv West of MP 81	60	80	80	60	60	60	60	60
Cv east of Shore	50	60	60	50	50	50	50	50
Shore & Clearfield	70	80	80	70	70	80	80	70
Cv MP 84 & 2nd St OH Br	65	65	65	65	65	65	65	65
Clearfield & west limits Lehigh Int.	50	60	60	50	50	60	60	50
Cvs east & west of North Philadelphia Station	40	...	...	...	40	...	...	...
West limits Lehigh Int. & East limits Mantua	70	80	80	70	70	70	70	70
East limits Mantua & Girard Ave UG Br	60	60	70	70	60	60	70	70
Mantua Int & Girard Int: Tail Track	30 MPH							
Girard Ave UG Br & Zoo Int Station	30	30	30	30	30	30	30	30
Connection N.Y. & P. Subway Trk. (just north of Zoo Int. Station) & 36th Street	...	10	...	...	...	10	...	...

PASSENGER TRAIN TYPE "C" & "D" SPEEDS								
<i>Train Type C</i> refers to passenger trains that do not meet the criteria for train types A, B, or D.								
<i>Train Type D</i> refers to passenger trains with mail, baggage or express cars in consist, that meet the Train Type D criteria defined in SI 37-S8, page 293.								
NOTE 1: Train Type "D" trains must not exceed 60 MPH when operating with inoperative cab signals.								
Between/At	Train Type "C"				Train Type "D"			
	Track Nos.				Track Nos.			
	4	3	2	1	4	3	2	1
West limits A & West Portal North River Tunnels	...	60	60	...	...	45	45	...
West Portal North River Tunnels & first undergrade bridge west of MP 3	...	60	75	...	...	45	60	...
First undergrade bridge west of MP 3 & Bergen	...	75	75	...	...	60	60	...
Bergen & MP W4.5	...	90	90	...	...	75	75	...
Track A between:								
Allied & Erie	75 MPH				75 MPH			
Erie & Lack	45 MPH				45 MPH			
Lack & Portal	70 MPH				60 MPH			
Track B between:								
Erie & Lack	60 MPH				60 MPH			
MP W4.5 & NY MP 7.7	...	90	90	...	...	75	75	...
Portal Movable Br (MP 6.1)	...	60	60	...	...	60	60	...

37-N1. (Cont'd)								
PASSENGER TRAIN TYPE "C" & "D" SPEEDS								
Between/At	Train Type "C"				Train Type "D"			
	Track Nos.				Track Nos.			
	4	3	2	1	4	3	2	1
NY MP 7.7 & Hudson Int	...	60	60	...	...	45	45	...
Hudson Int & Rea Int	...	60	60	45	...	45	45	30
Rea Int & JC MP 7.8	...	60	60	35	...	45	45	20
JC MP 7.8 & east limits Dock Int	...	45	45	35	...	30	30	20
East limits of Dock Int & west end Passaic River Bridge	30	45	45	35	20	30	30	20
West end Passaic River Br & MP 9	35	35	35	35	20	20	20	20
Dock Int: Trks. A & 5	35 MPH				25 MPH			
MP 9 & Signal Br 96-97	70	70	70	70	55	55	55	55
Signal Br 96-97 & Hunter	70	70	70	70	55	55	55	55
Hunter Int: Trks. A & 5	45 MPH				30 MPH			
Hunter & Elmora	90	110	110	90	75	90	90	75
Hunter & Lane: Tracks A & 5	80 MPH							
First Cv west of Hunter: Track 5	60 MPH							
First Cv west of MP 14	55	55	55	55	55	55	55	55
Cv east of Elmora	55	55	55	55	55	55	55	55
Elmora Int	60	60	60	60	60	60	60	60
Elmora & MP 20	90	110	110	90	75	90	90	75
Track A between:								
Elmora & Automatic Block Signal 158	75 MPH				60 MPH			
Automatic Block Signals 158 & 176	80 MPH				65 MPH			
Automatic Block Signal 176 & Union	70 MPH				55 MPH			
Track B between:								
Elmora & Roads	75 MPH				60 MPH			
Union & Graw	All Routes 30 MPH				All Routes 20 MPH			
MP 20 & Lincoln	90	110	110	90	75	90	90	75
First Cv east of MP 24	...	90	90	...	...	...	...	...
First Cv west of MP 24	...	90	90	...	...	...	...	...
Cv at MP 25	...	95	95	...	...	...	...	...
Lincoln & County	90	110	110	100	75	90	90	85
Edison & Lincoln: No. 0 Trk	15 MPH							
First Cv west of Lincoln	80	80	80	80	...	80	80	80
Second Cv west of Lincoln	...	90	90	90	...	...	...	...
Third Cv west of Lincoln	...	100	100	...	...	...	...	...
County & MP 54	110	110	110	110	90	90	90	90
MP 54 & Morris	80	110	110	80	65	90	90	65

37-N1. (Cont'd)

PASSENGER TRAIN TYPE "C" & "D" SPEEDS

Between/At	Train Type "C"				Train Type "D"			
	Track Nos.				Track Nos.			
	4	3	2	1	4	3	2	1
No. 5 Track Between:								
● East limit Ham Int & A point 15 feet east of the facing point switch for eastward movement to No. 4 trk at Ham 5 MPH								
● A point 15 feet east of the facing point switch for eastward movement to No. 4 trk at Ham & East limit Fair Int. 30 MPH								
● East limit Fair Int & West end Trenton Station 15 MPH								
Fair Int:								
No. 7 Track, South High, North Low, Wall and Hill Tracks 15 MPH								
Movements from Nos. 5 or 7 station trks to Trk No. 4 thru turnouts at west end of Trenton station 10 MPH								
First Cv west of Trenton	65	95	95	65	...	...	...	...
Morris Int	...	100	100	...	...	...	...	...
Morris & Holmes	100	110	110	100	85	90	90	85
First Cv west of Morris	...	100	...	...	...	...	...	...
Cv west of Croydon	...	105	105	...	...	...	...	...
Cvs MP 74 & MP 75	80	90	90	80	80	...	...	80
Holmes & Shore	90	100	100	90	75	85	85	75
Wissinoming & MP 81:								
Westward only .....	...	90	90	...	...	75	75	...
Cv West of MP 81	60	60	60	60	60	60	60	60
Cv east of Shore	50	50	50	50	50	50	50	50
Shore & Clearfield	70	70	70	70	55	55	55	55
Cv MP 84 & 2nd St OH Br	65	65	65	65	...	...	...	...
Clearfield & west limits Lehigh Int.	50	60	60	50	35	45	45	35
Cvs east & west of North Philadelphia Station	40	...	...	...	...	...	...	...
West limits Lehigh Int & East limits Mantua	70	70	70	70	55	55	55	55
East limits Mantua & Girard Ave UG Br	60	60	70	70	45	45	55	55
Mantua Int & Girard Int: Tail Track	30 MPH							
Girard Ave UG Br & Zoo Int Station	30	30	30	30	20	20	20	20
Connection N.Y. & P. Subway Trk. (just north of Zoo Int. Station) & 36th Street	...	10	...	...	...	10	...	...

FREIGHT TRAIN TYPE "E" SPEEDS

Between/At	Train Type "E"			
	Track Nos.			
	No. 4	No. 3	No. 2	No. 1
West limits A & West Portal North River Tunnels	...	20	20	...
West Portal North River Tunnels & eastern limits Hudson Int	...	20	20	...
Allied & Portal:				
Tracks A & B 20 MPH				
Eastern Limits of Hudson Int & west end Passaic River Bridge	25	20	20	20

37-N1. (Cont'd)				
FREIGHT TRAIN TYPE "E" SPEEDS				
Between/At	Train Type "E"			
	Track Nos.			
	No. 4	No. 3	No. 2	No. 1
West end Passaic River Br & Signal Br 96-97	20	20	20	20
Dock Int: Tracks A & 5	20 MPH			
Signal Br 96-97 & Hunter	20	20	20	30
Hunter Int: Tracks A & 5	10 MPH			
Hunter & Elmora	25	25	25	20
Hunter & Lane: Tracks A & 5	15 MPH			
Elmora & Union: Track A	30 MPH			
Elmora & Roads: Track B	20 MPH			
Union & Graw	All Routes 20 MPH			
Union: Diverging movements between				
Eastward/Westward Tunnel Tracks & NEC Main Tracks 10 MPH				
Elmora & MP 20	35	35	35	35
MP 20 & Lincoln	25	25	25	25
Lincoln & MP 28	35	35	35	35
MP 28 & County	30	30	30	30
Edison & Lincoln: No. 0 Track	15 MPH			
County & MP 44	45	45	45	45
MP 44 & MP 54	50	50	50	50
MP 54 & Fair	35	30	30	30
No. 5 Track Between:				
● East limit Ham Int & A point 15 feet east of the facing point switch for eastward movement to No. 4 trk at Ham 5 MPH				
● A point 15 feet east of the facing point switch for eastward movement to No. 4 trk at Ham & East limit Fair Int. 25 MPH				
● East limit Fair Int & Fair Int Station 5 MPH				
● Fair Int Station & West end Trenton Station 10 MPH				
Fair Int.	20	20	20	20
No. 7 Track, South High, North Low, Wall and Hill Tracks 5 MPH				
Fair & Morris	35	30	30	30
Morris & MP 62	40	40	40	40
MP 62 & Grundy	50	50	50	50
Grundy & Croydon	50	50	50	30
Cv West of Grundy	...	45	45	...
Croydon & Holmes	50	50	50	50
Holmes & MP 81	50	45	45	45
MP 81 & Shore	30	25	25	25
Shore & Clearfield	40	40	30	30
Clearfield & west limits Lehigh Int.	30	30	30	30
West limits Lehigh Int & Girard Ave. UG Br.	30	30	30	30
Mantua Int & Girard Int: Tail Track	10 MPH			
Girard Ave. UG Br & Zoo Int Station	15	15	15	20
Connection N.Y. & P. Subway Trk. (just north of Zoo Int. Station) & 36th Street	...	10	...	...

1-N1. TSRB CHANGES RELAYED BY TRAIN DIRECTOR AT DOCK

Train Directors at Dock who have received a copy of the current TSRB may be directed by the Dispatcher to relay TSRB additions or cancellations to trains. Train Directors charged with this responsibility will be governed by the delivery and blocking device procedures in Special Instruction 1-S4 (page 262).

1-N2. SUPERINTENDENT–TRAIN OPERATIONS NOTICES

Dispatchers, Console Operators, Block Operators and Yardmasters must read and comply with all Superintendent–Train Operations Notices (STON) that apply to them. STON's will be issued as required by the Superintendent–Train Operations and/or Superintendent– Train Operations PSCC. STON's will be numbered sequentially, the number being prefixed by the last two digits of the calendar year. The number of the most recent STON will be published at the top of the Bulletin Order. STON's will be distributed to dispatching offices and interlocking stations.

19-N1. STATE OF NEW JERSEY

In the State of New Jersey: Trains and engines will use one long sound of the engine horn or whistle approaching a passenger station on a track adjoining platform during daylight hours. During the hours of darkness such trains shall not be required to sound a horn or whistle except when the engineman observes a person or persons on or near a station platform. This signal shall not supersede other whistle alarm signals in effect.

19-N2. ENGINE WHISTLE OR HORN: SECAUCUS STATION

Except when approaching Roadway Workers or in an emergency, trains must **not** sound their engine whistle or horn while within the confines of Secaucus Station overbuild. This restriction is intended to prevent hearing loss injuries to passengers as well as employees working in the station.

20-N1. ENGINE BELL: SECAUCUS STATION

Trains equipped with an engine bell must sound it continuously while moving within the confines of Secaucus Station overbuild.

34-N1. STATION STOPS: SECAUCUS STATION

Unless otherwise instructed by the Dispatcher, trains making station stops at Secaucus Station must operate according to the following instructions, whenever possible:

(1) Eastward trains should stop west of Erie Interlocking, and must not enter Erie Interlocking until a signal to proceed is received from a member of the train crew.

(2) Westward trains should stop east of Lack Interlocking, and must not enter Lack Interlocking until a signal to proceed is received from a member of the train crew.

These instructions will enable the Dispatcher to adjust the operating flow as needed. If a train encounters any problem that prevents it from proceeding, the dispatcher must be notified immediately.

36-N1. TRENTON STATION: 10 - 12 CAR MARKER SIGN

Eastbound trains with ten or more cars making a station stop on No.1 track in Trenton Station must be stopped with the head end of the train adjacent to the 10-12 Car Marker sign on the east end of the Trenton Station platform unless otherwise instructed by the CETC – 7 Train Dispatcher. This is to ensure that all equipment clears the full tension air gap in the catenary system on the west end of the 21 crossover in Fair interlocking. Stopping before the sign is prohibited except in emergencies.

37-N2. SPEEDOMETER CHECKING: MEASURED MILES

The distance between the sets of Mile Posts listed below is a measured mile. White marker posts are installed on both sides of the tracks at locations marked with an asterisk(*).

White marker posts bearing the letters MM (measured mile) are in service for westward movements on:

- ▶ Nos. 2 & 3 tracks between MP 1.7 and MP 2.7.

*MP 4- *MP 5 MP 15-MP 16 *MP 30- *MP 31 MP 44-MP 45 *MP 45- *MP 46	MP 52-MP 53 *MP 53- *MP 54 MP 61-MP 62 *MP 63- *MP 64 MP 66-MP 67	MP 68-MP 69 *MP 73- *MP 74 *MP 74- *MP 75 MP 79-MP 80 MP 81-MP 82
--------------------------------------------------------------------------------	-------------------------------------------------------------------------------	-------------------------------------------------------------------------------

37-N3. MAXIMUM SPEEDS, RUNNING TRACKS

Track	Between	And	Restricted Speed not exceeding	
			Miles Per Hour	
			Psg	Frt
Nos. 5 & 6	Hudson	Rea	5	5
Nos. 7 & 8	Hudson	Rea	15	10
Millstone	County	Jersey Ave Road crossing	10	10
No. 5	County	End of Track	5	5
No. 5	Eastward limit Ham Int	MP 55	5	5

37-N4. MAXIMUM SPEEDS, OTHER TRACKS

Location	Track(s)	Restricted Speed not exceeding
East of Ham	No. 5 between MP 55 & east end of track	5 MPH
Holmes	No. 5	5 MPH
All Yard Tracks, Industrial Tracks and Public Delivery Tracks connected with Amtrak Main or Running Tracks		10 MPH

37-N5. MAXIMUM SPEEDS, TURNOUTS & CROSSOVERS

Interlocked Switches:	
Hudson-Turnouts between Nos. 5 & 6 trks.	10 MPH
Lane-To or from Lane Running Trk	10 MPH
Midway-Switch to Yard	10 MPH

37-N6. WRECK AND WIRE TRAINS

Between:	Wire Train	Boom Trailing	Boom Forward
		Miles Per Hour	
		Wreck	Wreck
A & Mantua	50	40	30

Note: Where speed of freight trains is slower than the speeds shown in this instruction, the freight train speed must not be exceeded.

40-N1. ENGINE AND EQUIPMENT RESTRICTIONS

The numbers shown in the columns to the right of each listed location specify the maximum dimension engines and equipment that may be operated. Engine and equipment dimension specifications are assigned in S.I. 37-S5 (page 279) for equipment authorized to operate on the NEC. Notes shown in parentheses in the location column are defined at the end of the table.

Location	Tracks						
	B	4	3	2	1	A	Other
A To Bergen (a)(b)	1	1	...	...	...
Bergen to Lane	4	4	4	4	4	...
Newark: Station Tracks	4
Hunter to Lane: Track 5	4
Lane to Elmora	...	5	5	7	4	...	...
Elmora to Union	5	5	5	6	6	7	...
Union to Lincoln	...	6	6	7	7	...	...
Lincoln to Morris	5	6	6	5	...	...
Trenton Station Tracks	5
Morris & MP 76	...	6	6	6	6	...	...
Location	Tracks						
	5	4	3	2	1	Other	
MP 76 & Holmes	...	6	6	6	6	...	...
Holmes & Shore	5	5	5	5	6	...	...
Shore & Lehigh	...	5	5	5	5	...	...
Lehigh & Mantua	5	2	5	5	5	...	...
Mantua & Girard	...	4	5	5	4	...	...
Girard & Zoo (c)	...	3	5	5	4	...	...
Notes:							
(a) Capitoline Control Car 9637 is prohibited from operating between A and Hudson.							
(b) Engines of dimension #2 may operate when verbally authorized by the Dispatcher at PSCC.							
(c) The following engines of dimension code 4 listed in SI 37-S5 may operated on No. 4 trk: 4000-4032, 4100-4112, 4135-4144, 4145-4150, 4200-4219, 4300-4303.							

41-N1. NEWARK

The movement of any car containing car load shipment of gasoline or explosives is prohibited between Hunter and Harrison.

41-N2. CWR EQUIPMENT-BERGEN and A

Freight trains containing two or more Continuous Welded Rail (CWR) cars coupled to each other must operate No. 2 trk between Bergen and A; No. 11 trk through Penn Station or No. 3 trk between Bergen and A; No. 12 trk through Penn Station with no diverging movements at A. This restriction applies to CWR cars of Foreign Railroads and includes Amtrak equipment in car series 15250-15252, and 15260-15316.

43-N1. EASTWARD SEPTA TRAINS, MORRIS & FAIR

Approaching Morris: Crews of eastward SEPTA trains destined Trenton must notify the CETC 7 Dispatcher prior to passing Morris interlocking when consist of train exceeds 3 cars.

Fair: Eastward SEPTA trains routed to No. 5 track in Trenton Station must not operate east of Fair interlocking signal 5AW without verbal permission of the Dispatcher.

43-N2. WESTWARD NJT TRAINS DEPARTING HAMILTON STATION

Crews of westbound New Jersey Transit trains departing Hamilton must contact the CETC 7 Dispatcher when carrying disabled passengers exiting at Trenton, or when consist of train exceeds eight cars.

47-N1. TRACKS EQUIPPED FOR DC ELECTRICAL OPERATION

Nos. 2 & 3 tracks between A and the west portals of the North River Tunnels, equipped for DC electrical operation.

72-N1. TRAIN INSPECTION DETECTORS

Type of Detector	MP Location	Direction of Operation	Tracks(s)	Recorder Location	Notes
HBD	29.7	East & West	1 & 2	Dspr Office	...
			3 & 4	Dspr Office	...
HBD	51.9	East & West	1 & 2	Dspr Office	...
			3 & 4	Dspr Office	...
HBD	73.4	East & West	1, 2, 3 & 4	Dspr Ofc-NY & CETC 6	...

104-N1. SWITCHES EQUIPPED WITH ELECTRIC LOCKS

The following hand-operated switches are equipped with an electric lock; permission to occupy Main Track, Interlocking or Controlled Siding must be obtained from the Dispatcher before lock is removed from keeper.

Location	Switch	Notes
4032 feet east of ABS Signal 216	No. 1 track to Colonia Siding	1
3400 feet west of MP 26	No. 0 trk. to west leg of Wye	1
4100 feet west of MP 26	No. 0 trk. to Yard tracks 5 through 9	1
8150 feet west of MP 26	No. 0 trk. to Yard tracks 5 through 9	1
MP 46.6	No. 4 track to Nassau Running Trk (NJT)	1
MP 81.3	Frankford Jct Yard	1
MP 82	Single to CR Delair Br.	1

Note 1: To enter side track from Main Track, train must occupy track circuit which extends 50 feet from point of switch, before switch can be opened.

104-N2. NORMAL POSITION OF SWITCHES AND CROSSOVERS AT SPECIFIED LOCATIONS:

Switch location	Connecting	With	Normal Position is for Movement	Note
Naught Running Trk between Ham & Fair	Naught Running Trk	West end of East Barracks Yard	Through on Naught Running Trk	...

114-N1. DIESEL RESCUE ENGINES IN NORTH RIVER TUNNELS

If a diesel engine is used in the North River tunnels to rescue a disabled train, it will not be necessary to shut the diesel engine down if standing for 5 or more minutes, provided the Dispatcher has informed the crew that the tunnel ventilation system is running. Before permitting the engine to enter the tunnel with this assurance, the Dispatcher must communicate with the Manager Train Operations to verify that the tunnel ventilation system has been activated and is functioning.

If catenary power is available on the disabled train and the train's ventilation system is functioning, the ventilation system fresh air intakes should be closed on each occupied car. If this is not possible on the car nearest the diesel rescue locomotive, passengers should be moved from that car when feasible.

132-N1. TRACKS AND SWITCHES OUT OF SERVICE

The tracks and switches listed below are out of service for train movements, except when such movements are personally supervised by an MW Foreman or MW Supervisor, or when movement consists entirely of track cars.

If a remotely controlled switch provides access to an affected track, the Operator or Dispatcher must apply blocking device protection to prevent the accidental routing of trains to that track. If a hand operated switch provides access to an affected track, the last Engineering Department employee to use the switch must spike the switch to prevent its accidental use.

Location	Track/Switch
Lincoln	Lehigh Valley Spur, No. 5 & No. 6 tracks
County	No. 5 Running Trk between east end of trk & barricade 100 ft east of Back Lead Sw.
Grundy	No. 5 trk between MP 64.8 & end of track

161-N1. JERSEY CITY AND NEW YORK MILE POST DESIGNATIONS

Duplicate mile post numbers are used between MP 7.0 and MP 8.3. Any reference in Form D's, Bulletin Orders or TSRB's to mile post numbers between MP 7.0 and MP 8.3, inclusive, must be preceded by either "NY" for New York City mile posts or "JC" for Jersey City mile posts. Example: "Do not exceed 10 MPH between NY MP 7.3 and JC MP 8.3".

162-N1. FORM D's FOR NJT TRAINS

Form D's delivered at New York to NJT trains that turn at South Amboy, Matawan, Montclair State University, Summit, and County will also be in effect on the return trip.

NJT trains that are rerouted to a location other than their scheduled destination must not proceed to new destination until crew has contacted the dispatcher regarding Form D's, TSRB additions and other instructions that may be in effect for the additional territory.

241-N1. STOP SIGNALS

In the application of **Rule 241**, when **Stop Signal** is displayed on a signal at the following locations, the authority to pass it must be obtained through the Operator or Dispatcher listed below:

Location	Track	Governing Movements	Authority Obtained From
987 feet West of MP 7.2	No. 7 Running Track	East	Section B TD
985 feet West of MP 7.2	No. 8 Running Track	East	Section B TD
MP 54.8	Naught Running	East & West	CETC-7 TD

242-N1. SHORE – IMPERFECTLY DISPLAYED SIGNALS

The most restrictive indication that can be given by the dwarf signal governing westward movements on No. 5 track located 48 feet west of the crossover connecting No. 4 and No. 5 tracks, is Restricting.

242-N2. COUNTY – IMPERFECTLY DISPLAYED SIGNALS

The most restrictive indication that can be given by the dwarf signal governing westward movements on the Millstone Running Track (when operating from No. 4 track) is Restricting.

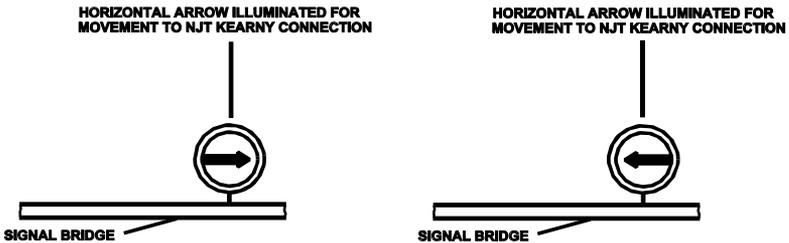
277-N1. FAIR

High color position light interlocking signal governing eastward movements on No. 4 track located adjacent to the east end of the westbound passenger platform and located to the left of No. 4 track.

277-N2. CROY

Home signal governing westward movement on No. 1 track located to the left of No. 1 track.

277-N3. NON-CONFORMING ASPECT: PORTAL TO SWIFT



White directional indicator arrows in service for westward movements on No. 2 and No. 3 tracks at MP 6.3 and home signals at Swift. When route at Swift is lined for diverging movement to NJT Kearny Connection from No. 2 track to No. 6 track or from No. 3 track to No. 5 track, directional indicator arrows will display at **both** Swift and MP 6.3.

When route at Swift is lined for diverging movement to NJT Kearny Connection from No. 2 track to No. 5 track or from No. 3 track to No. 6 track, directional indicator arrow will display at Swift, but will **not** display at MP 6.3.

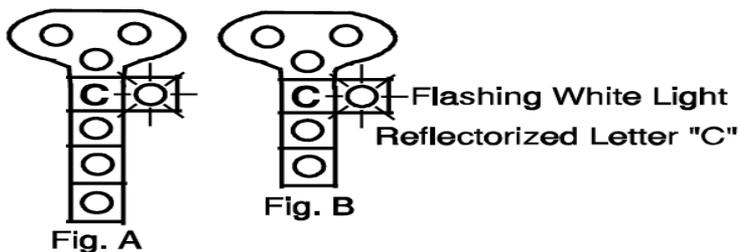
Trains receiving route indication not proper for train's destination must stop east of Swift Interlocking and contact the Section A Dispatcher for instructions.

277-N4. BERGEN TO "A": CAB SIGNAL CODE CHANGE POINT SIGNS

Black signs with white, reflectorized numbers and letters are installed in the North River Tunnels at cab signal code change points, which are locations where cab signals can change for following movements. These signs will show the track number, followed by the letter "W", followed by the mile post location, e.g., "3W15." The purpose of these signs is to assist employees in reporting the location of any cab signal problems that occur in the tunnels, and to serve as MP locations for use in Form D's and TSRB's.

277-N5. NON-CONFORMING ASPECT: CP-MID

Signal aspect not in conformity with typical aspects in service at CP-Mid, governing eastward movements on Nos. 2 and 3 tracks.



NAME: Clear to Next Interlocking

INDICATION: As shown in NORAC Rule 280a

277-N6. NON-CONFORMING ASPECT: HUNTER

A white directional indicator arrow is in service on Hunter's westward home signals on Nos. 3 & 4 tracks. The directional indicator arrow is displayed when a signal is cleared for a route from No. 3 or No. 4 track to Lehigh Line Connection No. 6 or No. 7 tracks. Trains receiving route indication not proper for train's destination must stop east of Hunter Interlocking and contact the Section "B" Train Dispatcher for instructions.

277-N7. SHORE

Home signal governing westward movement on No. 1 track at Shore is located to the left of No. 1 track.

298-N1. DISTANT SIGNAL MARKERS

The indication of Rule 298, "Distant Signal Marker," is changed as follows:

"When used in or approaching ABS territory without fixed signals (Rule 562 territory), this sign is a visual reminder to trains with inoperative cab signals or speed control that the requirements of Rule 562(c) or (d) apply at the next interlocking or controlled point signal.

When used in ABS territory without cab signals, this sign is a visual reminder to push-pull trains that Rule 504(b) applies in the block governed by the signal it is attached to."

Distant Signal Markers (Rule 298) are attached to the eastbound home signal at Rea on No. 1 track, the signal bridge east of Harrison Station (automatic signal bridge 80) on No. 2 and No. 3 tracks, and 4450 feet west of CP-Mid.

562-N1. PENN STATION: WESTBOUND TRAINS WITH INOPERATIVE CAB SIGNALS

Westbound trains in Penn Station, NY, that have experienced an en route cab signal failure and are destined to operate in the Rule 562 territory between "A" and Bergen, must not depart Penn Station without verbal permission of the Dispatcher to operate at Restricted Speed between "A" and Bergen, or Form D line 13 authorizing Rule 563.

562-N2. "NO FIXED ABS" SIGNS AT ENTRANCE TO RULE 562 TERRITORY

A white sign with a *RED CIRCLE AND A RED DIAGONAL LINE* across black letters "FIXED ABS" is attached to the eastbound home signals at Rea on No. 2 and No. 3 tracks, the eastbound home signal to Hudson on No. 1 track, the westbound interlocking signals leaving "A" Interlocking (10th Avenue signal bridge), and at the east limit of Ham on a post to the right of No. 4 Track (for eastbound moves), to remind employees that they are entering Rule 562 territory, where cab signals are used *WITHOUT* fixed automatic block signals.



562-N3. BRAKING IN RULE 562 TERRITORY

Trains operating in territory where Rule 562 is in effect **must make a full service application** when reducing speed to comply with a change in cab signal indication. The locomotive quick release feature **must not be used**. EXCEPTION: Mixed consist trains may use the quick release feature when making an initial reduction **only**. When it is ascertained that the required speed will be effected, a lesser degree of braking may be used.

580-N1. COUNTY TO HAM: ACSES RULES IN EFFECT FOR ALL AMTRAK TRAINS

ACSES Rules 580–591 and all ACSES related Special Instructions (see pages 321–328) are in effect on Tracks 2 and 3 between the western limits of County Interlocking and the eastern limits of Ham Interlocking for all Amtrak trains.

1. The controlling engine of all Amtrak trains operating in this territory must be equipped with on board ACSES apparatus that is cut in and operative, except when failure occurs en route, or when hauled by an engine exempted in Special Instruction 580-S2 (page 327).
2. Trains operated by railroads other than Amtrak are not required to be equipped with ACSES apparatus while operating in this territory.
3. Trains must not exceed 125 MPH in territory where the wayside portion of ACSES has been temporarily removed from service.

583-N1. ACSES POSITIVE STOP: RADIO RELEASE

ACSES Positive Train Stop (PTS) radio release is in service for all interlocking home signals located within or adjacent to ACSES equipped territory.

606-N1. RUSTY RAILS, STATE OF NEW JERSEY

Sections of track within interlockings with track circuits which may not shunt due to rusted rail are indicated by yellow reflectorized markers displaying a black letter "R". These markers are located at the side of the track adjacent to the switch or the signal governing the route which may not shunt.

A member of the crew which has switching to perform within an interlocking must, before entering the interlocking, communicate with the Operator and inform him of the movements to be made and request information as to the existence of rusted rail or other abnormal conditions affecting such movements. The Operator must furnish to the crew member information as to such locations which may not shunt and require that a member of the crew report to him when the movement is completed. A movement is completed when it is beyond the opposing home signal.

When a train other than a through movement is routed to clear a main track over a power-operated switch within an interlocking, and such movement is to be made over a rusted rail or other abnormal rail condition which is indicated by a reflectorized marker, a member of the crew must report the train movement completed to the Operator. If such condition is not indicated by a reflectorized marker, the Operator must, before permitting such movement to be made, inform a member of the train crew of such condition and require that a report be made to him when the movement is completed.

Train crews on through movements on main tracks within an interlocking are not required to report the movement completed unless such a report is requested by the Operator.

These instructions do not apply to train or engine crews of trains making normal station stops within interlockings or to work trains or other equipment engaged in maintenance work on track which they have been given the exclusive right to use.

Instruction 11, AMT-4, "Special Instructions Governing Operation of Signals and Interlockings," is amended: (a) to require the installation of reflectorized markers indicating sections of track within interlockings with track circuits which may not shunt due to rusted rail; and (b) to eliminate reliance by the Operator on his visual observation to determine that the movement is completed.

706-N1. NORTH RIVER TUNNELS

"NYP Road Rptr" channel is in service for portable radios within the North River, East River and Empire Tunnels. Lower powered portable radio transmissions made on "NYP Road Rptr" within the tunnels are picked up by a repeater and retransmitted on Road Channel 060 at high enough power to be received by portable and/or engine radios also located within the tunnels. While the "NYP Road Rptr" channel transmits on the repeater frequency, it receives on Road Channel 060.

Note: No adjustment is necessary for engine radios to communicate with portable radios while within the tunnels. The Dispatcher at PSCC receives all transmissions made within the tunnels on Road Channel 060 or "NYP Road Rptr".

707-N1. EMERGENCY RADIO TRANSMISSIONS IN THE VICINITY OF MP 76 (DIVISION POST)

Road radio channel 060-060 is in service east of MP 76 (Division Post), and road radio channel 054-054 is in service west of MP 76. In the application of Rules 131, 132 & 136, whenever an emergency radio transmission must be initiated by an employee who is located within two miles of MP 76, the employee must first transmit on the radio channel in service on the territory where they are located. As soon as practical after the initial transmission, the employee must change to the other road radio channel and transmit a duplicate emergency message.

This instruction applies, for example, to an employee on a moving train that experiences an emergency application of the brakes when within two miles of MP 76 (Rule 136). It also applies to a track foreman or track inspector who observes or discovers an unsafe condition within two miles of MP 76, that would interfere with the safe passage of trains (Rules 131, 132).

900-N1. DISPATCHERS: ASSIGNED TERRITORIES

NEW YORK DISPATCHING OFFICE	
DISPATCHER	TERRITORY
PSCC	A (inclusive) to Bergen (inclusive).
Section A	Bergen (exclusive) to Hudson (exclusive).
Section B	Hudson (inclusive) to Hunter (inclusive).
CETC-9	Hunter (exclusive) to Roads (inclusive).
CETC-8	Roads (exclusive) to Ham (exclusive).
CETC-7	Ham (inclusive) to Holmes (exclusive).
WILMINGTON DISPATCHING OFFICE	
DISPATCHER	TERRITORY
CETC-6	Holmes (inclusive) to Girard (inclusive).

950-N1. STATE OF NEW JERSEY

An Engineer who has not made a trip in Road Service, as such, within a period of 12 months over the portion of railroad on which he is expected to operate within the State of New Jersey must not be used on such portion of the road until he has been re-examined and qualified by the proper officer.

If absent from all railroad duty for **30** days or more Engineers, Conductors and Assistant Conductors reporting to operate a train in road service in or through the State of New Jersey must notify the Dispatcher's Office or Operating Practices Department of such absence. The Dispatcher or Operating Practices Department supervisor will examine the employee so reporting to ascertain the employee's knowledge and understanding of any General Orders, Bulletin Orders or changes in the Operating Rules which may have been issued during his absence. The result of this examination will be shown on the prescribed form which will also show the signature of both the employee and the supervisor, and will be forwarded to the General Manager.

MAIN LINE-PHILADELPHIA TO WASHINGTON (PW)

STATIONS	MP	INT	PS	NOTES
ZOO (ML-Philadelphia to Harrisburg) (36th St. Connection) (Main Line-SEPTA)	0.0	...	...	1
PENN R-CETC 5 TD (36th St. Connection, Penn Coach Yard, Race St. Eng. House, No. 5 & No. 11 Running Trks)	1.5	X	...	2, 3, 16
30th St-PHILADELPHIA (Lower Level)	1.5	...	X	...
ARSENAL (SEPTA) R-Broad(SEPTA)	2.7	X	...	4
PHIL R-CETC-4 TD	3.6	X	...	...
DARBY	6.1	...	X	...
CURTIS PARK	6.8	...	X	...
SHARON HILL	7.2	...	X	...
FOLCROFT	7.7	...	X	...
GLENOLDEN	8.3	...	X	...
NORWOOD	9.0	...	X	...
MOORE	9.5	...	X	...
RIDLEY PARK	10.4	...	X	...
CRUM LYNNE	11.2	...	X	...
BALDWIN R-CETC 4 TD	11.7	X	...	...
EDDYSTONE	12.3	...	X	...
CHESTER	13.4	...	X	...
LAMOKIN ST	14.4	...	X	...
HIGHLAND AVE	15.5	...	X	...
HOOK R-CETC-4 TD	16.8	X	...	...
MARCUS HOOK	17.1	...	X	...
STATE LINE (Pennsylvania-Delaware)	18.2	...	...	...
CLAYMONT	19.6	...	X	...
HOLLY R-CETC-4 TD	20.3	X	...	...
BELL R-CETC-4 TD (Northbound Yard Lead Trk., NS)	22.5	X	...	5
LANDLITH R-CETC-4 TD (No. 0 & South Wye Running)	25.4	X	...	6, 7, 17
WINE R-CETC-4 TD	26.6	X	...	...
WILMINGTON	26.8	...	X	...
BRANDY R-CETC-4 TD	26.9	X	...	8
YARD R-CETC-4 TD	28.2	X	...	8
RAGAN R-CETC-3 TD (Newcastle Sec. Trk., NS)	29.7	X	...	...
CHURCHMAN'S CROSSING	34.3	...	X	...
RUTHBY R-CETC-3 TD	36.5	X	...	9
DAVIS R-CETC-3 TD (Delmarva Sec. Trk., NS)	38.4	X	...	...
NEWARK	38.9	...	X	...

MAIN LINE-PHILADELPHIA TO WASHINGTON (PW)

STATIONS	MP	INT	PS	NOTES
STATE LINE (Delaware-Maryland)	41.4	...	...	...
IRON R-CETC-3 TD	41.5	X	...	9
ELKTON	44.9	...	...	...
BACON R-CETC-3 TD	51.0	X	...	...
PRINCE R-CETC-3 TD	57.3	X	...	...
PERRYVILLE	59.4	...	X	...
PERRY R-CETC-3 TD (Port Road Branch, NS)	59.5	X	...	...
SUSQUEHANNA RIVER MOVABLE BRIDGE	60.2	...	...	...
GRACE R-CETC-3 TD	61.5	X	...	10
OAK R-CETC-3 TD	62.9	X	...	...
ABERDEEN	65.5	...	X	...
BUSH R-CETC-3 TD (Movable Bridge)	71.6	X	...	11
EDGEWOOD	75.1	...	X	...
WOOD R-CETC-3 TD (Edgewood & Magnolia Sidings)	75.3	X	...	12
MAGNOLIA R-CETC-3 TD (Edgewood & Magnolia Sidings)	76.9	X	...	12
GUNPOW R-CETC-2 TD	79.3	X	...	...
MARTIN	84.0	...	X	...
RIVER R-CETC-2 TD	89.3	X	...	...
POINT R-CETC-2 TD	90.1	X	...	13
BAY R-CETC-2 TD	91.9	X	...	9
BIDDLE R-CETC-2 TD	94.3	X	...	...
PAUL R-CETC-2 TD	95.2	X	...	...
BALTIMORE	95.7	...	X	...
CHARLES R-CETC-2 TD	95.9	X	...	...
JOHN ST. (Opening-B&P Tunnel)	96.2	...	...	...
PENNSYLVANIA AVE. (Opening-B&P Tunnel)	97.0	...	...	...
GILMORE ST. (South Portal-B&P Tunnel)	97.5	...	...	...
FULTON R-CETC-1 TD	97.7	X	...	...
BRIDGE R-CETC-1 TD	98.2	X	...	...
WEST BALTIMORE	98.5	...	X	15
FREDERICK ROAD	99.9	...	...	...
HALETHORPE	103.0	...	X	15
WINANS R-CETC-1 TD	103.4	X	...	9
B.W.I.	106.3	...	X	...
GROVE R-CETC-1 TD	112.4	X	...	...
ODENTON	113.6	...	X	...
BOWIE STATE	119.4	...	X	...
BOWIE R-CETC-1 TD (Pope's Creek Sec. Trk., CSX)	120.5	X	...	...

MAIN LINE-PHILADELPHIA TO WASHINGTON (PW)

STATIONS	MP	INT	PS	NOTES
SEABROOK	124.7	...	X	...
CARROLL	R-CETC-1 TD	127.0	X	...
NEW CARROLLTON		127.0	...	X
LANDOVER	R-CETC-1 TD (Landover Line, CSX)	128.8	X	...
STATE LINE	(Maryland-D.C.)	131.6	...	...
CP AVENUE	R-CETC-1 TD (Washington Terminal)	134.6	...	...
				14

The direction from Zoo to CP Avenue is Southward.

Note 1: In service as an Int Station for PH Line & 36 Street Connection only, with Amtrak Road Radio Channel 054-054 and Conrail Road Radio Channel 046-046.

Note 2: No. 5 Running Track controlled by CETC 5 TD.

Note 3: No. 11 Running Track within Penn Interlocking controlled by CETC 5 TD.

Note 4: Int Rules do not apply on Amtrak Tracks No. 2 & 3.

Note 5: Int Rules apply on Tracks No. 1F & 2F.

Note 6: No. 0 Running Track between Landlith & MP 24 (Edgemoor) controlled by CETC-4 TD.

Note 7: South Wye Running Track between Landlith & North Switch, Wreck Train Track controlled by CETC-4 TD.

Note 8: Int Rules apply on Tracks No. 1 & 2 only.

Note 9: Int Rules apply on Tracks A & No. 1 only.

Note 10: No. 4 track begins at north end of No. 33 sw (southward facing point switch south of southward Home Signal)

Note 11: No. 4 track ends at the southern limits of Bush Int. No. 3 trk ends at the south end of No. 23 turnout switch.

Note 12: Edgewood CS located on the west side of No. 3 track. Magnolia CS located on the east side of No. 2 track.

Note 13: Int Rules apply on Tracks No. 1, 2 & 3 only.

Note 14: Northward controlled signals.

Note 15: Rule 121(c) applies on Track A.

Note 16: Trks Spur, Pit, 1-4 Race & Race St. Eng. House Territory controlled by the Engine House Foreman. Authority must be obtained from Engine House Foreman to occupy these tracks. Trks 28-36 Penn Coach Yard designated Car Shop Repair tracks. All other Penn Coach Yard trks are designated yard tracks. Any unusual conditions, such as dewirement, derailment, track conditions etc. must be reported to Engine House Foreman (AAR 054-054) or ATS 728-2181/82, Bell 215-349-2181/82.

Note 17: Trains clearing at north leg of the Wye Monday – Friday, 6am – 10pm must obtain permission of the Wilmington Back Shop Foreman (ATS: 736-6430; Commercial: 302-429-6430). All telephone communications must comply with NORAC Rule 716 and the special instructions governing the use of electronic devices. During all other times, a qualified employee must ensure the portion of the track to be used is clear before occupying it. Equipment must not be left unattended where it will foul the Back Shop Lead Track. Standing equipment must not foul the road crossing.

240-P1. SIGNAL RULES and CURRENT OF TRAFFIC.

261: On trks where Rule 261 is in effect, ABS Rules & CSS Rules 550-561 are in effect for movements in both directions.

Int: indicates interlocking rules in effect.

ACSES Rules: On tracks where the letter “A” follows the rule number, ACSES Rules 580-591 are in effect for movements in both directions.

Locations	Tracks from West to East					Notes
	4	3	2	1	Other	
Girard & Penn	Int	...	...	Int	...	2
Penn Int:	...	...	...	...	...	1
N3 Route	...	...	...	...	...	3

240-P1 (Cont'd)

Locations	Tracks from West to East					Notes
	4	3	2	1	Other	
Within 30th St Station: Station trks 3, 4, 5 & 6	4
30th St Station & South End Penn	5, 6
Penn & Phil	...	261	261	...	...	...
CP Arsenal & Phil	261	...	...	...	...	10
No. 5 Track	261	...
Phil & Holly	261	261	261	261	...	...
Holly & Wine	...	261	261	...	...	...
Holly & Bell: No. 1F & No. 2F trks	261	13
Bell & Landlith	261	...	...
Wine & Ragan	...	261	...	...	...	11
Wine & Brandy	Int	Int	...	9,11
Brandy & Yard	261	261	...	...
Yard & Ragan	261	...	...	...
Ragan & Bacon	...	261-A	261-A	261-A	...	12,16
Ruthby & Iron: Track A	261	...
Bacon & Prince	...	261-A	261-A	...	...	16
Prince & Perry	261	261	261	261	...	...
Perry & Grace	...	261	261	...	...	...
Grace & Bush	261	261	261	...	...	...
Bush & Wood	...	261	261	...	...	...
Wood & Magnolia	...	261	261	...	...	...
Edgewood Siding	261	7
Magnolia Siding	261	8
Magnolia & Gunpow	...	261	261	...	...	...
Gunpow & Biddle	...	261	261	261	...	...
Track A	261	...
Biddle & Paul	...	Int	Int	Int	...	9
Paul & Charles	Int	Int	...	Int	...	9
Track No. 5	Int	15
Tracks No. 6, 7 & F	Int	9
Charles & Fulton	...	261	261	...	...	...
Fulton & Bridge	...	261	261	...	...	...
Bridge & Winans	...	261	261	261	...	...
Track A	261	...
Winans & Landover	...	261	261	261	...	14
Landover & CP Avenue	...	261	261	...	...	...

Note 1: Within 30th St Station, Tracks No. 1 through 10 are designated Main Tracks.
Note 2: CSS Rules in effect on Nos. 1 & 4 tracks ("River Line") in both directions.
Note 3: CSS Rules in effect on N3 route for movements in both directions.
Note 4: CSS Rules in effect on No. 3 & 4 Station Tracks for Northward movements.
 CSS Rules in effect on No. 5 & 6 Station Tracks for Southward movements.
Note 5: CSS Rules in effect for movements in both directions on No. 4 track.
Note 6: CSS Rules in effect for northward movements on No. 1 track.

– Notes Continued on next page –

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- Note 7:** Magnolia Siding located to the East of No. 2 track.
Note 8: Edgewood Siding located to the West of No. 3 track.
Note 9: CSS Rules in effect for movements in both directions.
Note 10: Within Phil Int tracks are designated as follows: No. 1 Arsenal Connection, No. 1, No. 2, No. 3, No. 4 & No. 5.
Note 11: Within Wilmington Station, Tracks are designated as follows: No. 1, No. 2, & No. 3 Tracks.
Note 12: Within Ragan Int, No. 1 Track extends to the Northward limits.
Note 13: Within Bell Int, No. 2F Trk extends to the South limits.
Note 14: Within Landover Int, No. 1 Track extends to the South limits.
Note 15: CSS Rules not in effect.
Note 16: ACSES rules in effect on Nos. 2 & 3 trks between south limits Ragan Int & north limits Prince Int. ACSES rules in effect on No. 1 trk between MP 46.6 & Bacon for southward movements only.

37-P1. PASSENGER TRAINS and FREIGHT TRAINS MAXIMUM SPEEDS and SPEED RESTRICTIONS, UNLESS OTHERWISE RESTRICTED

Locations and speeds shown in normal type are maximum authorized speeds. Locations and speeds shown in **bold type** are speed restrictions. *Maximum equipment speeds listed in SI 37-S5 (pgs 279-292) must not be exceeded.*

Where speeds change at an interlocking and the specific point where the speed change occurs is not specified, the lower speed will apply through the entire interlocking.

PASSENGER TRAIN TYPE "A" & "B" SPEEDS								
<i>Train Type A</i> refers to High Speed Trainsets (HST) with tilt system <i>active</i> .								
<i>Train Type B</i> refers to (1) HST's with tilt system <i>disabled</i> ; and (2) trains consisting <i>exclusively</i> of HHP-8, AEM-7, ACS-64, P40BH, P42BH, or P32-BWH engines, and Amfleet, Horizon, Capitoliner Control Cars, MARC III control/coach cars, or US DOT test car DOTX 216.								
Between/At	Train Type "A"				Train Type "B"			
	Track Nos.				Track Nos.			
	4	3	2	1	4	3	2	1
Zoo Int Station & Penn Int Signal located 1035 feet South of Spring Garden St OH Br.	60	...	...	60	60	...	...	60
Cvs between Zoo Int. Sta. & 34th St OH Br	30	...	...	30	30	...	...	30
Cvs 34th St OH Br & Penn Int Signal located 1035 feet south of Spring Garden St OH Br	50	...	...	50	40	...	...	40
Penn Int Signal located 1035 feet south of Spring Garden St OH Br & Penn Int signal located 100 feet south of Walnut St. OH Br:								
All tracks 30 MPH								
Except: No. 3 Station Track, 30 th St. Station, between south end of station platform & southern limits station overbuild 25 MPH								
Penn Int signal located 100 feet south of Walnut St OH Br & South limits Penn Int	45	...	...	45	30	...	...	30
South limits Penn Int & Sig. Br 20-21	...	60	60	...	...	60	60	...
Signal Br 20-21 & MP 3	...	80	80	...	...	70	70	...
Arsenal & MP 3	45	...	...	...	45	...	...	...
No. 5 Track								45 MPH
MP 3 & Phil	60	110	110	...	60	110	110	...
No. 5 Track								60 MPH

37-P1. (Cont'd)

PASSENGER TRAIN TYPE "A" & "B" SPEEDS

Between/At	Train Type "A"				Train Type "B"			
	Track Nos.				Track Nos.			
	4	3	2	1	4	3	2	1
Phil & Baldwin	90	110	110	90	90	110	110	90
Cvs MP 5 & Sharon Hill	70	105	105	70	70	90	90	70
Baldwin & Hook	90	110	110	90	90	110	110	90
Hook Int	...	100	100	...	...	100	100	...
Hook & Holly	110	125	125	105	110	110	110	105
UG Br MP 18.51	90	...	...	...	90
Holly Int	45	...	...	45	45	...	...	45
Holly & Bell	...	125	125	...	...	110	110	...
Nos. 1F & 2F trks 60 MPH								
Reverse Cvs under Jumpover north of Bell:								
Nos. 1F & 2F Trks 30 MPH								
Bell Int:								
Nos. 1F & 2F Trks 15 MPH								
Bell & Landlith	...	125	125	60	...	110	110	60
First Cv south of Bell	...	110	110	...	...	95	95	...
Landlith & Wine	...	80	80	...	...	80	80	...
Landlith Int:								
Diverging to or from No. 0 trk 5 MPH								
Cv north of Wilmington	...	50	50	...	...	45	40	...
Wine & Brandy	35	30	...	...	30	30
Wine & MP 27.1	...	35	...	...	...	30	...	...
Brandy & Yard	90	80	...	...	90	80
MP 27.1 & MP 28.3	...	90	...	...	...	90	...	...
Cv MP 27	...	50	40	50	...	45	40	40
Yard & Ragan	...	125	125	...	...	120	120	...
Ragan & Bacon	...	135	135	110	...	135	135	110
Cvs MP 30 & MP 31	...	130	130	...	...	110	110	...
Cv north of MP 33	...	130	130	...	...	110	110	...
Cvs MP 33 & MP 35	...	130	130	...	...	130	130	...
Ruthby & Davis: Track A 80 MPH								
Davis Int: Track A 30 MPH								
Davis & Iron: Track A 30 MPH								
Cv south of Davis	...	130	130	...	...	130	130	...
Cv at Iron	...	130	130	...	...	130	130	...
Cv north of Elkton	...	130	130	...	...	130	130	...
Cv south of Elkton	...	130	130	...	...	130	130	...
Cv MP 47	...	130	130	...	...	115	115	...
Cv MP 49	...	130	130	...	...	110	110	...
Cv MP 50	...	110	110	90	...	90	90	90
Bacon Int.	...	130	125	...	...	130	125	...
Bacon & Prince	...	130	130	...	...	130	130	...
Cvs MP 53 & 1000 ft. south of MP 54	...	125	125	...	...	105	110	...
Cv MP 57	...	115	115	...	...	95	95	...

37-P1. (Cont'd)

PASSENGER TRAIN TYPE "A" & "B" SPEEDS

Between/At	Train Type "A"				Train Type "B"			
	Track Nos.				Track Nos.			
	4	3	2	1	4	3	2	1
Prince & north limits Perry Int	60	115	115	60	60	110	110	60
Perry Int	60	110	110	60	60	110	110	60
Perry: North & south legs of wye								15 MPH
South limits Perry Int & south end of Susquehanna River Br	...	90	90	...	...	90	90	...
South end of Susquehanna River Br & north limits Grace Int	...	125	125	...	...	125	125	...
First Cv north of Grace	...	115	...	...	...	95	95	...
Grace Int	125	125	125	...	125	125	125	...
South limits Grace Int & north limits Bush	125	80	125	...	125	80	125	...
First Cv north of Aberdeen	110	...	110	...
Cv north of Bush	120	...	...	...
Bush Int.	125	125	125	...	125	125	125	...
Bush & Gunpow	...	125	125	...	...	125	125	...
First Cv north of Gunpow	...	120	120	...	...	100	100	...
Wood & Magnolia:								
Magnolia Siding								30 MPH
Edgewood Siding								30 MPH
Gunpow & Sig. Br. 877-876	...	125	125	110	...	125	125	110
Gunpow & River:								
Track A								60 MPH
Cvs MP 85 & Sig. Br. 877-876	110	110	...
Sig. Br. 877-876 & River	...	125	125	110	...	110	110	110
River & Point	...	110	110	110	...	110	110	110
River & Bay:								
Track A								15 MPH
Point & Bay	...	110	110	100	...	100	105	100
Bay & north portals Union Tunnels	...	60	60	60	...	60	60	60
Reverse Cvs at Bay	50	...	...	...	50
Bay & Biddle: Track A								35 MPH
Cv MP 94	...	50	50	45	...	50	50	45
First Cv north of Union Tunnels	...	45	45	45	...	45	45	45
Through Union Tunnels	...	45	45	45	...	45	45	45
South portals Union Tunnels & South limits Paul Int:								
All Routes to/from:								
Nos. 6 & 7 trks								30 MPH
Nos. 1, 3, 4 & F trks								15 MPH
South limits Paul Int & Charles:								
Nos. 3, 4, 6, & 7 trks								30 MPH
Nos. 1, 5 & F trks								15 MPH
South limits Charles Int & Fulton	...	30	30	...	...	30	30	...
Fulton & Bridge	...	80	80	...	...	80	80	...
Cv at Fulton	...	45	45	...	...	40	40	...
Bridge & MP 100	...	110	110	75	...	110	110	75

37-P1. (Cont'd)								
PASSENGER TRAIN TYPE "A" & "B" SPEEDS								
Between/At	Train Type "A"				Train Type "B"			
	Track Nos.				Track Nos.			
	4	3	2	1	4	3	2	1
Track A	60 MPH							
First Cv south of Bridge	...	55	55	50	...	50	50	50
Track A	30 MPH							
First Cv north of Frederick Road	...	90	90	70	...	80	80	70
Track A	55 MPH							
First Cv south of Frederick Road	...	105	105	...	...	100	100	...
MP 100 & Winans	...	125	125	110	...	110	110	110
Track A	60 MPH							
First Cv South of MP 101	...	120	120	105	...	105	105	105
Winans & MP 107	...	120	125	110	...	110	110	110
Cv at Winans	100	100	100
MP 105 & Sig Br 1055-1054	...	90	...	...	...	90	...	...
First Cv South of MP 106	...	110	110	90	...	90	90	90
MP 107 & MP 125	...	125	125	110	...	125	125	110
Cvs MP 110 & Grove	120	120	...
Cvs MP 113 & MP 118	120	120	...
Cvs MP 113 & MP 114.3	95	...	...	...	95
Cvs MP 115 & MP 116.5	105	...	...	...	105
Cv at MP 117	95	...	...	...	95
First Cv South of MP 118	120	120	...
Cvs MP 119 & MP 120.3	105	...	...	...	105
First Cv South of MP 120	105	...	115	115	105
MP 125 & Carroll	...	125	125	110	...	110	110	110
First Cv South of MP 125	105	...	...	...	105
Cv at MP 126	105	...	...	...	105
Carroll & Landover	...	125	125	50	...	110	110	50
Cv at Landover	...	100	100	...	...	100	100	...
Landover Int	...	110	110	...	...	110	110	...
Landover & MP 133	...	125	125	...	...	125	125	...
MP 133 & CP Avenue	...	95	95	...	...	95	95	...

37-P1. (Cont'd)

PASSENGER TRAIN TYPE "C" & "D" SPEEDS

Train Type C refers to passenger trains that do not meet the criteria for train types A, B, or D.

Train Type D refers to passenger trains with mail, baggage or express cars in consist that meet the Train Type D criteria defined in SI 37-S8, page 293.

NOTE 1: Train Type "D" trains must not exceed 60 MPH when operating with inoperative cab signals.

Between/At	Train Type "C"				Train Type "D"			
	Track Nos.				Track Nos.			
	4	3	2	1	4	3	2	1
Zoo Int Station & Penn Int Signal located 1035 feet South of Spring Garden St OH Br.	60	...	...	60	45	...	...	45
Cvs between Zoo Int. Sta. & 34th St OH Br	30	...	...	30	30	...	...	30
Cvs 34th St OH Br & Penn Int Signal located 1035 feet south of Spring Garden St OH Br	40	...	...	40	40	...	...	40
Penn Int Signal located 1035 feet south of Spring Garden St OH Br & south limits Penn Int: All tracks 30 MPH Except: No. 3 Station Track, 30 th St. Station, between south end of station platform & southern limits station overbuild 25 MPH								
Penn & Sig. Br 20-21	...	60	60	...	...	30	30	...
Cv South St OH Br & Signal Br 20-21	...	50	50	...	...	...	...	...
Signal Br 20-21 & MP 3	...	70	70	...	...	60	60	...
Arsenal & MP 3	45	...	...	...	30	...	...	...
No. 5 Track	45 MPH				30 MPH			
MP 3 & Phil	60	100	100	...	45	60	60	...
No. 5 Track	60 MPH							
Phil & Baldwin	90	100	100	90	80	80	80	80
Cvs MP 5 & Sharon Hill	70	90	90	70	70	...	...	70
Baldwin & Hook	90	90	90	90	80	90	90	80
Hook & Holly	110	110	110	105	70	70	70	70
UG Br MP 18.51	...	...	...	90	...	...	...	...
Holly Int	45	...	...	45	45	...	...	45
Holly & Bell	...	110	110	...	...	90	90	...
Nos. 1F & 2F trks	60 MPH							
Reverse Cvs under Jumpover north of Bell:								
Nos. 1F & 2F Trks	30 MPH							
Bell Int:								
Nos. 1F & 2F Trks	15 MPH							
Bell & Landlith	...	105	105	60	...	80	80	60
First Cv south of Bell	...	90	90	...	...	...	...	...
Landlith & Wine	...	80	80	...	...	65	65	...
Landlith Int:								
Diverging to or from No. 0 trk	5 MPH							
Cv north of Wilmington	...	40	40	...	...	40	40	...

37-P1 (Cont'd)								
PASSENGER TRAIN TYPE "C" & "D" SPEEDS								
Between/At	Train Type "C"				Train Type "D"			
	Track Nos.				Track Nos.			
	4	3	2	1	4	3	2	1
Wine & Brandy	...	...	30	30	...	...	20	20
Wine & MP 27.1	...	30	...	...	...	20	...	...
Brandy & Yard	...	...	80	80	...	...	30	30
MP 27.1 & MP 28.3	...	80	...	...	...	30	...	...
Cv MP 27	...	40	40	40	...	...	...	...
Yard & Ragan	...	110	110	...	...	80	80	...
Ragan & Bacon	...	110	110	110	...	90	90	90
Ruthby & Davis: Track A	80 MPH				65 MPH			
Davis Int: Track A	30 MPH							
Davis & Iron: Track A	30 MPH							
Cv MP 50	...	90	90	90	...	...	...	...
Bacon & Prince	...	110	110	...	...	80	80	...
Cvs MP 53 & 1000 ft. south of MP 54	...	105	...	...	...	...	...	...
Cv MP 57	...	95	95	...	...	...	...	...
Prince & south limits Perry Int	60	110	110	60	50	90	80	60
Perry: North & south legs of wye	15 MPH							
South limits Perry Int & south end of Susquehanna River Br	...	90	90	...	...	90	90	...
South end of Susquehanna River Br & north limits Grace Int	...	110	110	...	...	90	90	...
First Cv north of Grace	...	95	90	...	...	...	...	...
Grace Int	110	110	110	...	90	80	90	...
South limits Grace Int & north limits Bush	110	80	110	...	90	80	90	...
Bush Int.	110	110	110	...	90	90	90	...
Bush & Gunpow	...	110	110	...	...	90	90	...
First Cv north of Gunpow	...	100	100	...	...	...	...	...
Wood & Magnolia: Magnolia Siding	30 MPH							
Edgewood Siding	30 MPH							
Gunpow & MP 85	...	110	110	110	...	90	90	90
Gunpow & River: Track A	60 MPH							
MP 85 & Point	...	110	110	110	...	90	90	90
River & Bay: Track A	15 MPH							
Point & Bay	...	100	105	100	...	90	60	60
Point & MP 91 (Southward only)	...	90	...	90	...	...	...	...
Bay & north portals Union Tunnels	...	60	60	60	...	55	55	50
Reverse Cvs at Bay	...	50	...	50	...	50	...	...
Bay & Biddle: Track A	35 MPH							
Cv MP 94	...	45	45	45	...	45	45	45
First Cv north of Union Tunnels	...	45	45	45	...	45	45	45

37-P1 (Cont'd)

PASSENGER TRAIN TYPE "C" & "D" SPEEDS

Between/At	Train Type "C"				Train Type "D"			
	Track Nos.				Track Nos.			
	4	3	2	1	4	3	2	1
Through Union Tunnels	...	45	45	45	...	30	30	30
South portals Union Tunnels & South limits Paul Int: All Routes to/from: Trks. 6 & 7		30 MPH				15 MPH		
Trks. 1, 3, 4 & F		15 MPH				15 MPH		
South limits Paul Int & Charles: Trks. 3, 4, 6, & 7		30 MPH				15 MPH		
Trks. 1, 5 & F		15 MPH				15 MPH		
South limits Charles Int & Fulton	...	30	30	...	...	20	20	...
Fulton & Bridge	...	75	75	...	...	35	35	...
Cv at Fulton	...	40	40	...	...	...	...	...
Bridge & MP 100	...	75	75	75	...	70	70	70
Track A								60 MPH
First Cv south of Bridge	...	50	50	50	...	50	50	50
Track A								30 MPH
First Cv north of Frederick Road	70	70	...	...	...	...
Track A								55 MPH
MP 100 & MP 101	...	110	110	90	...	90	90	90
Track A								60 MPH
First Cv south of Frederick Road	...	100	100	...	...	...	...	...
MP 101 & Winans	...	110	110	110	...	90	90	90
Track A								60 MPH
First Cv South of MP 101	...	105	105	105	...	...	...	...
Winans & Carroll	...	110	110	110	...	90	90	90
Cv at Winans	...	100	100	100	...	...	...	...
MP 105 & Sig Br 1055-1054	...	90	...	...	...	...	...	...
First Cv South of MP 106	...	90	90	90	...	...	...	...
Cvs MP 113 & MP 114.3	85	...	...	...	85
Cvs MP 115 & MP 116.5	100	...	...	...	...
Cv at MP 117	90	...	...	...	...
Cvs MP 119 & MP 120.3	100	...	...	...	...
First Cv South of MP 125	100	...	...	...	...
Cv at MP 126	100	...	...	...	...
Carroll & Landover	...	110	110	50	...	90	80	50
Cv at Landover	...	100	100	...	...	...	...	...
Landover & MP 133	...	110	110	...	...	80	80	...
MP 133 & CP Avenue	...	85	85	...	...	70	70	...

37-P1. (Cont'd)

FREIGHT TRAIN TYPE "E" SPEEDS

NOTE: Where the symbol ▼ appears, freight trains equipped with LSL on leading engine must not exceed 10 MPH on all routes, Zoo Int Station to Signal Br 20-21.

Between/At	Train Type "E"			
	Track Nos.			
	No. 4	No. 3	No. 2	No. 1
Zoo Int Station & Penn Int. Signal located 1035 feet South of Spring Garden St OH Br.:				
Northward	▼ 20	...	...	▼ 20
Southward	▼ 30	...	...	▼ 25
Penn Int. Signal located 1035 feet south of Spring Garden St OH Br & south limits Penn Int., All Routes:				
Southward				▼ 25 MPH
Northward				▼ 20 MPH
Except Station Trks 2 & 3:				▼ 15 MPH
Penn & Signal Br 20-21:				
Northward	...	▼ 20	▼ 20	...
Southward	...	▼ 30	▼ 30	...
Signal Br 20-21 & Phil	...	50	50	...
Arsenal & Phil	25	...	...	...
No. 5 Track	25 MPH			
Phil & Baldwin	50	50	40	40
Cvs MP 5 & Sharon Hill	...	...	30	30
Signal 95 & Moore	40	...	...	...
Baldwin & Hook	45	45	45	45
Hook & Holly	50	50	35	35
Holly Int	40	...	...	...
Holly & Bell	...	50	50	...
No. 1F & No. 2F trks	30 MPH			
Bell Int: Nos. 1F & 2F trks	10 MPH			
Bell & Landlith	...	30	30	40
Landlith Int:				
Diverging to or from No. 0 track	5 MPH			
Landlith & Wine	...	25	25	...
Wine & Brandy	...	...	15	15
Wine & MP 27.1	...	15	...	...
Brandy & Yard	...	...	30	30
MP 27.1 & MP 28.3	...	30	...	...
Yard & Ragan	...	45	45	...
Ragan & Davis	...	50	50	50
Ragan & Davis: All tracks - Cars exceeding 263,000 Pounds	30 MPH			
Davis & Iron	...	30	30	30
Ruthby & Davis: Track A	30 MPH			
Davis & Iron: Track A	25 MPH			
Iron & Bacon	...	40	40	40
Bacon & Prince	...	45	45	...
Prince & MP 58	40	50	50	40
MP 58 & south limits Perry Int	40	40	40	40
Perry: North & south legs of wye	10 MPH			

37-P1. (Cont'd)				
FREIGHT TRAIN TYPE "E" SPEEDS				
Between/At	Train Type "E"			
	Track Nos.			
	No. 4	No. 3	No. 2	No. 1
South limits Perry Int & south end of Susquehanna River Br	...	30	30	...
South end of Susquehanna River Br & Grace	...	50	50	...
Grace & Oak	35	35	35	...
Oak & South Limits Bush	50	50	50	...
South Limits Bush & Gunpow	...	45	45	...
Wood & Magnolia:				
Magnolia Siding				25 MPH
Edgewood Siding				25 MPH
Gunpow & River	...	50	50	50
Track A				40 MPH
River & North Portals Union Tunnels	...	25	25	25
River & Bay: Track A				10 MPH
Bay & Biddle: Track A				20 MPH
Through Union Tunnels	...	30	30	30
South portals Union Tunnels & South limits Charles Int:				
All Tracks				10 MPH
South limits Charles Int & Fulton	...	20	20	...
Fulton & Bridge	...	25	25	...
Cv at Fulton	...	20	20	...
Bridge & MP 100	...	35	35	35
Track A				35 MPH
First Cv south of Bridge: Trk A				30 MPH
MP 100 & MP 101	...	45	45	45
Track A				40 MPH
MP 101 & Winans	...	50	50	50
Track A				40 MPH
Winans & Grove	...	50	50	50
Cvs MP 110 & Grove	...	40	40	...
Grove & MP 125	...	40	40	40
MP 125 & Carroll	...	50	50	50
Carroll & Landover	...	50	50	40
Landover & CP Avenue	...	50	50	...

C-P1. QUALIFICATION FOR YARD & WORK TRAIN SERVICE—CONDUCTORS & ASSISTANT CONDUCTORS

Conductors must be qualified on the required physical characteristics before accepting assignment as a yard or work train Conductor. Conductors and Assistant Conductors absent from yard service for 6 months or longer must contact a Terminal Trainmaster before starting a yard assignment at Washington or Philadelphia Terminal. Conductors and Assistant Conductors who have not worked a regular assigned work train position for 6 months or longer must contact a Trainmaster or Road Foreman before working a regular work train assignment.

F-P1. B. & P. TUNNEL

In the event of an accident or irregularity occurring to a train in the B. & P. or Union Tunnels which endangers the safety of passengers or train, immediate action must be taken to get passengers to a place of safety. If it can be safely done, trains should be moved out of the tunnel. If this is not practical, trains should proceed to the first tunnel exit.

When necessary to remove passengers from trains at tunnel exits, trainmen will exercise the greatest care for their protection.

In order to communicate effectively with Emergency Response Forces and thereby reduce response time, employees contacting the Emergency Response Forces must refer to the following railroad locations, and their corresponding street level access points. The access points are marked at street level with the identifying letters shown, to indicate where access to trains can be obtained from street level:

B&P Tunnel	Street Location	Access Point
Fulton Int	Monroe and Laurens Sts.	A
Gilmore St south portal, stairway at west side of portal	Gilmore and Winchester Sts.	B
Pennsylvania Ave opening, stairway on east wall, north end of opening	Pennsylvania Ave and Pitcher St	C
John St. opening, stairway on west side beyond west wall	Mount Royal and North Avenues	D
North portal	Falls Road and Lafayette Ave, under Howard St OH Br	E
Greenmount Ave south portal	400 block of Preston St.	F
Bond St. north portal	Broadway and East Hoffman St.	G

1-P1. MARC PENN LINE SERVICE T&E OPERATIONS NOTICES

Marc Penn Line Service T&E Operations Notices contain information and procedures related specifically to MARC service and will be issued as needed. They will be available at MARC sign-up locations at Baltimore, Martins and Washington.

MARC Penn Line Service T&E Operations Notices will be numbered sequentially, the number being prefixed by the last two digits of the calendar year. The number of the latest notice will be published in the Mid-Atlantic Bulletin Orders.

T&E crews assigned to work MARC assignments are required to review the information in the MARC Penn Line Service T&E Operations Notices and retain a copy while on duty.

1-P2. PENN COACH YARD: PENN COACH YARD BULLETIN (PCYB) / OPERATING INSTRUCTIONS - PENN COACH YARD

1. PCYB Instructions

The Penn Coach Yard Bulletin (PCYB) contains instructions for crews who will operate in Penn Coach Yard and Race Street Engine House. The PCYB will be issued as necessary, will be numbered consecutively, and will remain in effect until superseded by the next Yard Bulletin. The current Yard Bulletin will be posted at Race Street Engine House. Before operating in Penn Coach Yard, employees must familiarize themselves with the current Yard Bulletin and comply with its instructions. If no Yard Bulletin is posted, employees must contact a Trainmaster or Road Foreman for instructions.

The Senior Analyst Operating Practices will reissue the Yard Bulletin as necessary. When a new Yard Bulletin is issued, it must not be considered in effect until a Trainmaster or Road Foreman has posted the new Yard Bulletin, destroyed the previous one, and notified crews on duty and working in the yard of any changed instructions that are more restrictive than those published in the previous Yard Bulletin.

2. Operating Instructions - Penn Coach Yard

Crews of trains en route to Penn Coach yard from Zoo or Penn must not proceed beyond Nos. 1 or 2 Lead, the Car Wash on the Rundown Track, or north of the Junction Crossover

1-P2. (Cont'd)

between the MH and No. 37 Leads unless they have contacted the Race Street Engine House Foreman to receive specific movement instructions.

All crews must receive authority from the Race Street Engine House Foreman before operating on Engine Servicing Tracks 1 through 4 Race, Race Street Engine House Territory, the Spur, and the Pit Track.

All crews must contact the Race Street Engine Foreman before adding or removing equipment from PCY.

16-P1. BLUE SIGNAL PROTECTION: BALTIMORE

Fixed overhead beacon blue signal lights in service on both ends of the station platforms on Baltimore Station Tracks Nos. 4, 5, 6 and 7.

Illuminated blue signals signify that workmen are on, under, or between rolling equipment.

19-P1. BAY

Trains on Track Nos. A and 1 must blow one long sound on the engine horn when approaching Bay northward and Point southward.

19-P2. ENGINE WHISTLE OR HORN: 30th STREET STATION

Except when approaching Roadway Workers or in an emergency, trains must **not** sound their engine whistle or horn while within the confines of the 30th Street Station overbuild. This restriction is intended to prevent hearing loss injuries in passengers as well as employees working in the station.

19-P3. APPROACHING BWI & NEW CARROLLTON STATIONS: ENGINE WHISTLE OR HORN

Passenger trains not making a station stop at BWI or New Carrollton must sound one long blast on their engine whistle or horn when approaching these stations on a track adjacent to the high platform whenever passengers are observed.

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20-P1. PENN COACH YARD-RACE ST. ENGINEHOUSE

The engine bell must be rung continuously during any movement in the yard or enginehouse territory. Engines not equipped are exempt.

20-P2. ENGINE BELL: 30th STREET STATION

Trains equipped with an engine bell must sound it continuously while moving within the confines of the 30th Street Station Overbuild.

34-P1. STATION STOP MARKERS

West Baltimore: When spotting a train on the station platform, Engineers must use Station Stop markers MARC 1, MARC 2 and MARC 3 as a guide. These markers are located on the east side of "A" Track north of the station. Conductors and Engineers must discuss which markers will be used during their daily job briefing.

34-P2. LANDOVER - RUNNING BRAKE TEST

Southward passenger trains not making a station stop at New Carrollton must make a running test of the brakes before passing Landover, as per instruction **P4.2.4** of **AMT-3** Air Brake and Train Handling Instructions.

34-P3. 30th STREET STATION

Due to insufficient ventilation, the following procedure will apply at 30th Street Station:

- ▶ Inbound trains with diesel engines and a dwell time of over 5 minutes must shut down HEP 5 minutes after arrival.
- ▶ Southbound trains must have HEP set up and operated from the lead locomotive. HEP must not be started until locomotives are clear of station overbuild. Throttle position must be limited to the 2nd notch departing Philadelphia, when practical.
- ▶ Keystone Service trains from New York destined for Harrisburg must spot trains so the outbound engine is outside of the station overbuild.
- ▶ Engines cut off inbound trains must pull down to the extreme end of the platform.
- ▶ New Jersey Transit trains: After discharging passengers, crews must re-spot equipment so the diesel engine is at the extreme end of the platform. Crews will re-spot equipment for loading and restart HEP 10 minutes before departure.

NOTE: Conductors may instruct Engineers to leave HEP on longer should conditions require.

34-P4. ENGINE CHANGES: TRAINS ORIGINATING OR TERMINATING IN PHILADELPHIA

Outbound crews for trains originating 30th St. Station, trains from Harrisburg en route to New York, or from New York en route to Harrisburg must call the Race Street Engine House Foreman (AAR 54-54) or ATS 728-2181/82, Bell 215-349-2181/82 for disposition of outbound train/ locomotive(s). If unable to contact Engine House Foreman, call CETC for assistance.

Inbound crews for trains terminating 30th St. Station, trains from Harrisburg en route to New York, or from New York en route to Harrisburg must contact the CETC 5 Dispatcher for disposition of inbound train/ locomotive(s) upon arrival.

35-P1. FREIGHT TRAIN CAR LIMIT

Perry to Landover: Freight trains consisting of 160 empty hopper cars are permitted between Perry and Landover. (Exception to SI 35-S4, page 273)

Davis to Bay: Under the following conditions (exception to SI 35-S4, page 273), freight trains consisting of 150 cars are permitted between Davis and Bay:

1. The train is equipped with operative telemetry devices or a caboose, and
2. The train does not contain intermodal cars, and
3. The train does not contain more than 65 consecutive TPIX (Tropicana) cars.

35-P2. WINANS-RIVER—STOPPING PROCEDURE

Between Winans and River interlockings, after coming to a complete stop, engineer must make a full service automatic brake application and leave it applied until train is ready to depart. Engineer must exercise caution when starting train to ensure that brakes are released and brake pipe pressure is being restored.

35-P3. FULTON-BIDDLE-BRAKING PROCEDURE

Due to the critical forces generated by excessive use of the dynamic or independent brake, Engineers operating freight trains between MP 94 and MP 97 **MUST** arrange to minimize head end forces by limiting the dynamic brake not to exceed one-half the indication of the dynamic brake meter or 350 dynamic brake AMPS, whichever is less. Freight trains operating without dynamic brake **MUST NOT** exceed one half the Maximum independent brake cylinder pressure allowed for the lead unit.

When necessary to control the speed of the train between MP 94 and MP 97, the automatic air brake **MUST** be used.

Note: This Special Instruction will not apply to trains consisting entirely of empty hopper cars.

35-P4. CHARLES-FULTON

Mineral Trains operated between Charles and Fulton must not exceed 10,600 tons and are limited to 80 cars.

35-P5. MINERAL FREIGHT TRAINS: PAUL-FULTON

Between the hours of 6:00 AM and 9:00 PM, mineral freight trains with head end power exceeding 18 traction motors must be assisted by a helper engine coupled to the rear of the train.

The number of traction motors operated on the head end must not exceed 24 at any time.

35-P6. BAY-LANDOVER

Mixed freight trains with TOFC and COFC Cars in consist operating between Bay and Landover must have TOFC and COFC Cars positioned on the rear third of the train. Where percentage of TOFC and COFC Cars exceeds one third of the train consist, TOFC and COFC Cars must be placed on the rear portion. Conductors of freight trains with TOFC and COFC Cars in consist must converse with the Dispatcher as to the make up of their train before entering this territory.

37-P2. SPEEDOMETER CHECKING: MEASURED MILES

The distance between the sets of Mile Posts listed below is a measured mile. White marker posts are installed on both sides of the tracks at locations marked with an asterisk(★).

MP 6- MP 7	MP 53- MP 54	MP 111- MP 112
★MP 8- ★MP 9	MP 57- MP 58	MP 121- ★MP 122
★MP 9- MP 10	MP 61- MP 62	★MP 122- ★MP 123
MP 10- MP 11	MP 64- MP 65	MP 127- MP 128
MP 16- MP 17	MP 76- MP 77	MP 129- ★MP 130
★MP 20- ★MP 21	MP 85- MP 86	★MP 130- ★MP 131
★MP 21- MP 22	MP 99- MP 100	★MP 131- MP 132
MP 24- MP 25	MP 108- MP 109	MP 132- MP 133
★MP 34- ★MP 35	MP 110- MP 111	

37-P3. MAXIMUM SPEEDS, RUNNING TRACKS

Track	Between	And	Restricted Speed not exceeding
No. 11	North end Penn Int.	South end Penn Int.	10 MPH
No. 5	Penn	MP 1.9	10 MPH
No. 0	New Castle Secondary	Landlith	10 MPH

37-P4. MAXIMUM SPEEDS, OTHER TRACKS

Location	Track(s)	Restricted Speed not exceeding
Penn Coach Yard	All	5 MPH
Wilmington Shops	All	5 MPH
Martins MARC Facility	All	5 MPH
All Yard Tracks, Industrial Tracks and Public Delivery Tracks that are connected to an Amtrak Main or Running Track		10 MPH

37-P5. WRECK and WIRE TRAINS

Between:	Wire Train	Boom Trailing	Boom Forward
		Miles Per Hour	
		Wreck	Wreck
Mantua & Signal Br. 2.1	30	30	20
Signal Br. 2.1 & CP Avenue	50	40	30

Note: Where speed of freight trains is slower than the speeds shown in this instruction, the freight train speed must not be exceeded.

40-P1. ENGINE AND EQUIPMENT RESTRICTIONS

The numbers shown in the columns to the right of each listed location specify the maximum dimension engines and equipment that may be operated. Engine and equipment dimension specifications are assigned in S.I. 37-S5 (page 279) for equipment authorized to operate on the NEC.

Notes shown in parentheses in the location column are defined at the end of the table.

Location	Tracks					
	4	3	2	1	A	Other
Zoo & Signal Br 20-21	4	...	...	4	...	...
Via 2 & 3 Berry	...	5	5	...	...	...
30 th St. Station, all tracks (c)	...	...	...	...	...	4
Penn Coach Yard, all tracks:						
North of road crossing	...	...	...	...	..	5
South of road crossing	...	...	...	...	....	4
Signal Br 20-21 & Landlith	5	5	5	5	...	...
Landlith & Brandy	...	5	5	5	...	...
Tracks 1F & 2F Holly & Bell	...	...	...	...	...	5
Wilmington Station	...	5	4	5	...	...
Brandy & Yard	...	5	4	6	...	...
Yard & Ragan	...	5	6	...	...	...
Ragan & Bacon	...	6	6	7	7	...
Bacon & Prince	...	7	7	...	...	...
Prince & Perry	7	6	6	6	...	...

40-P1. (Cont'd)

Location	Tracks					
	4	3	2	1	A	Other
Perry & Grace	...	7	7	...	...	...
Grace & Bush	7	7	6	...	...	...
Bush & Gunpow	7	7	7	7	...	...
Gunpow & River	...	6	6	7	7	...
River & Bay	...	5	5	7	7	...
Bay & Charles	...	5	5	5	5	...
Baltimore Station:						
Tracks Nos. 3 to 7	4	4	...	...	...	4
Tracks Nos. 1 & F .....	...	...	...	5	...	5
Charles & Bridge	(a)(b)	4	4	...	...	...
Bridge & Bowie	...	5	5	5	5	...
Bowie & Landover	...	5	5	6	...	...
Landover & CP Avenue	...	4	4	...	...	...
Notes:						
(a) Capitoliner Control Car 9637 is prohibited from operating between Fulton and Paul.						
(b) See Note B in SI 37-S5, page 286.						
(c) American Crane A59019 may operate on No. 11 Running Track (also see SI 41-S12, page 295).						

40-P2. EQUIPMENT RESTRICTIONS: PENN COACH YARD & RACE ST. ENGINE HOUSE TERRITORY

- ▶ High Speed Trainset (HST) equipment is prohibited from operating on any yard track south of the Penn Coach Yard Access Road Crossing.
- ▶ HST equipment may operate on 32 & 33 tracks from 2 Lead to the Penn Coach Yard Access Road Crossing.
- ▶ HST equipment may operate on 28 through 34 trks between 2 Lead and the Junction Switch under the supervision of a Track Supervisor.
- ▶ Express Reefer cars Series 74000 are prohibited from operating over the route between the MH Track & Trk Nos. 23, 25 & 26 (switches 4R26, 2625 & 2523).

41-P1. BALTIMORE STATION – NOS. 4 & 5 TRACKS

Due to close platform clearance, only equipment normally used in passenger service may operate on Nos. 4 & 5 tracks in Baltimore Station. EXCEPTION: In an emergency, non-passenger type equipment may operate on No. 4 track at 2 mph when authorized by the Dispatcher.

41-P2. LANDLITH – FREIGHT TRAIN MOVEMENTS

Freight trains with or without cars (except Amtrak work trains and maintenance equipment) are prohibited from making diverging moves onto or off of the "O" track at Landlith.

41-P3. CARS EXCEEDING 263,000 POUNDS

NS, CSX and Conrail trains containing cars with gross weight not exceeding 286,000 pounds may operate over the following line segments:

- ▶ Between Phil and Bell — All tracks.
- ▶ Between Ragan and Davis – All Tracks (Maximum Speed 30 MPH)
- ▶ Between Davis and Paul — All tracks.
- ▶ Between Paul and Charles — Tracks 1, 6, 7 & F only.
- ▶ Between Bowie and Landover — Tracks Nos. 1 and 2 only. (Cars operating on Track No. 3 are limited to 263,000 pounds, per SI 41-S2, page 294.)

41-P4. NS TRACK GEOMETRY CARS

Norfolk Southern Track Geometry Cars Nos. 31, 33⁽¹⁾, 34 and 48 are cars that must be pulled by an engine. Their maximum speed is 50 MPH. Because of clearance concerns, movement must be made at Restricted Speed while passing high-level station platforms, and immediately adjacent tracks must be kept clear of other movements. These cars may operate **only** on the following routes:

Location	Acceptable Routes
Perry-Prince	Trk 4
Prince-Bacon	Trks 2 & 3
Bacon-Ragan	Trks 1, 2, 3 & A

Note 1: Car No. 33 is prohibited from passing high level platforms, except for the mini high platform on No. 4 track at Thorndale, and the mini high platforms at Exton (PH Line).

45-P1. EXPLOSIVES PROHIBITED—30TH ST. STATION

Cars containing shipments of class A explosives, except laboratory samples, and all class B and C explosives in excess of 200 pounds, are prohibited under all overhead structures on all tracks, 30th St., Philadelphia, Lower Level.

45-P2. UNION TUNNELS/B & P TUNNELS

Other trains must not be permitted to enter Union Tunnels or B & P Tunnel while a train with placarded loaded cars containing hazardous materials is passing through the tunnels.

47-P1. PENN COACH YARD - SECTION BREAKS

Electric locomotives must not be left standing within limits of section breaks. Location of section breaks in Penn Coach Yard are identified by section break signs in the catenary. A yellow-gold sign with black letters "SB" identifies the location when *entering* a section break. A red sign with no lettering identifies the location when *leaving* a section break.

72-P1. TRAIN INSPECTION DETECTORS

Type of Detector	MP Location	Direction of Operation	Tracks(s)	Recorder Location	Notes
HBD	16.3	North & South	1,2,3 & 4	CETC 4	2
DED	33.9	North & South	1,2 & 3	CETC 3	...
HBD	34.9	North & South	1,2 & 3	CETC 3	2
HBD	52.4	North & South	2 & 3	CETC 3	2
HBD	67.4	North & South	2,3 & 4	CETC 3	2
Height	71.7	South	2 & 3	CETC 3	1
HBD	83.7	North & South	A,1,2 & 3	CETC 2	2
HBD	107.5	North & South	1, 2 & 3	CETC 1	2
HBD	123.3	North & South	1, 2 & 3	CETC 1	2

Note 1: Height detectors are set to alarm at height 16 feet 2½ inches and over. Non-passenger type trains that activate the high car alarm must not be permitted to operate south of Bay, unless authorized by the Assistant Superintendent Train Movement, or his representative. Passenger trains that activate the detector may be permitted to proceed to Baltimore where a visual inspection will be made.

Note 2: Equipped with **supplemental radio alarm** hot box detection apparatus, which will transmit **only** when a hot journal has been detected, as follows: Upon detection of first defect, system will transmit milepost location, track number & the message "Defect detected." When this message is received, the train must be stopped when rear end is clear of the detector. When entire train has passed the detector, a radio message will be transmitted stating the results of the inspection. After a one second delay, the message will be repeated. If a defect is detected, the train must be stopped and inspected in accordance with the instructions received, and the Dispatcher notified. Detector will identify suspected hot journals or dragging equipment by axle number counting from head

72-P1. (Cont'd)

end (including engines). If a defect is not found at the axle location specified, that entire car and the 2 cars immediately ahead and behind that car must be inspected. If the radio transmission reports 6 defects, which is the maximum number the detector can transmit, the entire train behind the 6th defect must be inspected.

104-P1. NORMAL POSITION OF SWITCHES AND CROSSOVERS AT SPECIFIED LOCATIONS:

Switch location	Connecting	With	Normal Position is for Movement	Notes
Penn Coach Yard	Car Washing Trk	Run Down & Trk No. 37	Through on Car Washing Trk	...

104-P2. SWITCHES EQUIPPED WITH ELECTRIC LOCKS

The following hand-operated switches are equipped with an electric lock; permission to occupy Main Track, Interlocking or Controlled Siding must be obtained from the Dispatcher before lock is removed from keeper.

Locations	Switch	Controlled By	Notes
MP 12.1	No. 4 trk to Eddystone yard	...	1
MP 15.8	No. 1 trk to Naught trk	...	1
MP 19.4	No. 4 track to Citi Steel	...	1
MP 31.5	No. 3 trk to Crowell Corp.	...	1
MP 35.8	No. 3 trk to Harmony Ind. Park	...	1
MP 37.4	No. 3 trk to General Foods	...	1
MP 40.4	Trk A to No. 0 trk	...	1
MP 45.5	No. 1 trk to Red Mill Ind. Trk	...	1
MP 58.5	No. 1 trk to Perryville MW Base	...	1
MP 65.6	No. 2 trk to Ind. trk	...	1
MP 68.3	No. 4 trk to Channel Lumber	...	1
MP 75.8	Magnolia Siding to Arsenal Industrial trk.	...	1, 2
MP 80.9	Trk A to Chase Public Del. Trk	...	1 & 2
MP 81.9	Trk A to Baltimore Gas & Electric Co.	...	1
MP 83.5	Trk A to MARC Facility	...	1
MP 84.9	Trk A to Chesapeake Ind. Park	...	...
MP 90.9	No. 3 trk to Baltimore Steel Industrial trk.	...	1
MP 91.5	No. 3 trk to Kiekheffer Ind. trk.	...	1
MP 100.2	Trk A	...	5
MP 101.5	Trk A to Solo Cup Co.	...	1
MP 101.6	No. 3 trk to Filberts	...	1 & 4
MP 101.7	Trk A	...	5
MP 108.1	No. 3 trk to Baltimore Commons Industrial trk.	...	1
MP 111.9	No. 1 trk to McMillan-Blodel Co.	...	1
MP 113.5	No. 1 trk to National Plastics Co.	...	1
MP 113.9	No. 1 trk to North End MW Base	...	1
MP 114.9	No. 1 trk to South End MW Base	...	1 & 4
MP 122.4	No. 1 trk to Home Depot	...	1

104-P2. (Cont'd)			
Locations	Switch	Controlled By	Notes
MP 127.8	No. 1 trk to Ardwick Ind. Park	...	1
<p>Note 1: To enter side track from Main Track, train must occupy track circuit which extends 50 feet from point of switch, before switch can be opened.</p> <p>Note 2: Refer to SI 132-P1, Trks & Switches Out of Service.</p> <p>Note 3: Switch & derail each equipped with electric lock; both switch & derail must be lined to normal position before inserting switch lock at switch or derail.</p> <p>Note 4: Switch and derail each equipped with electric lock. Switch locks must be removed from both switch and derail before either is operated. After movement is completed, both switch and derail must be restored to normal position before inserting switch lock at switch or derail.</p> <p>Note 5: Turnout only; does not lead to a side track.</p>			

132-P1. TRACKS AND SWITCHES OUT OF SERVICE

The tracks and switches listed below are out of service for train movements, except when such movements are personally supervised by an MW Foreman or MW Supervisor, or when movement consists entirely of track cars.

If a remotely controlled switch provides access to an affected track, the Operator or Dispatcher must apply blocking device protection to prevent the accidental routing of trains to that track. If a hand operated switch provides access to an affected track, the last Engineering Department employee to use the switch must spike the switch to prevent its accidental use.

Location	Track/Switch
Hook	Plug Track
Davis	No. 5 yard trk
Wood	Station Spur track north of southward dwarf signal
MP 75.8	Magnolia Siding to Arsenal Industrial Trk.
MP 80.9	Trk A to Chase Public Delivery
Point-Bay	North Point Yard Trk
Charles	Mount Vernon Ind Trk

132-P2. PENN STATION LIGHT RAIL TRACK - FOULING

Employees must not foul the Penn Station Light Rail Track (MTA track located to the east of No. 1 Track, Baltimore Station) without contacting the CETC Section 2 Dispatcher, and receiving assurance that protection has been provided by the MTA. When flag protection must be provided on the Penn Station Light Rail Track in accordance with Rules 132 or 136, the CETC Section 2 Dispatcher must be immediately notified. Flag protection must be maintained until it is determined that movements on the Penn Station Light Rail Track are no longer endangered, or until assured by the Dispatcher that other protection has been provided.

138-P1. PENN COACH YARD - ACCESS ROAD CROSSING

Trains operating in Penn Coach Yard must stop before passing over the access road crossing and sound engine bell (if equipped) until the crossing is occupied. If crew does not have a clear view of the access road in both directions, a member of the crew must provide on-ground protection.

241-P1. STOP SIGNALS

In the application of **Rule 241**, when **Stop Signal** is displayed on a signal at the following locations, the authority to pass it must be obtained through the Dispatcher listed below.

Location	Track	Governing Movements	Authority obtained from
CP Avenue	No. 2 & No. 3	Northward	CETC-1 TD

241-P2. DAVIS INTERLOCKING - STOP SIGNAL

Southbound trains that receive Rule 241 authority to pass Signal 10S at Davis must receive verbal permission from the Dispatcher before operating beyond the southern limits of Davis Interlocking on Track A, due to potential freight traffic on Track A between Davis and Iron. Signal 10S is the southbound interlocking signal on Track A located just north of Newark Station.

242-P1. PAUL: IMPERFECTLY DISPLAYED SIGNALS

The most restrictive indication that can be given by dwarf signal No. 5N is Restricting. No. 5N signal governs northward movements on No. 5 track, and is located 25 feet south of end of track.

277-P1. PERRY

The northward interlocking signal at Perry governing movement from No. 4 track to No. 4 track is located to the left of No. 4 track.

277-P2. CHARLES AND PAUL

Trains approaching Charles or Paul on a signal indication less favorable than Clear must not exceed 15 MPH within Charles or Paul interlocking until it is determined that their route permits a greater speed.

551-P1. TESTING SECTIONS

In addition to those at terminals, located:

Phila. 30th St. Station (Lower Level) Nos. 7 and 8 tracks, departure test for northward movement only.

Delmarva Secondary (NS)-On Delmarva Secondary track from fixed signal 5430 feet south of Davis to a point 1320 feet south thereof.

Bay-On the Lawn Track (NS)

Baltimore-Nos. 1, 3, 4, 6, 7 and F for northward and southward movements. On-Board Tester can be used, provided the signals leaving those tracks are not displayed and a track shunt is applied ahead of the train.

Odenton-M.W. Base North end of yard tracks H and I.

Perryville-M.W. Base North end of yard tracks H and I.

580-P1. RAGAN TO PRINCE: ACSES RULES IN EFFECT FOR ALL AMTRAK TRAINS

ACSES Rules 580-591 and all ACSES related Special Instructions (see pages 321-328) are in effect for all Amtrak trains where indicated in SI 240-P1 (page 193).

1. The controlling engine of all Amtrak trains operating in this territory must be equipped with on board ACSES apparatus that is cut in and operative, except when failure occurs en route, or when hauled by an engine exempted in Special Instruction 580-S2 (page 327).
2. Trains operated by railroads other than Amtrak are not required to be equipped with ACSES apparatus while operating in this territory.
3. Trains must not exceed 125 MPH in territory where the wayside portion of ACSES has been temporarily removed from service.

583-P1. ACSES POSITIVE STOP: RADIO RELEASE

ACSES Positive Train Stop (PTS) radio release is in service for all interlocking home signals located within or adjacent to ACSES equipped territory.

706-P1. RADIO CHANNELS: PENN

Yard crews shifting wholly within the limits of Penn Coach Yard may use either channel 054-054 or 023-023. However, yard crews working within interlocking limits must use only radio channel 054-054.

706-P2. PORTABLE RADIO TRANSMISSIONS WITHIN THE B&P AND UNION TUNNELS

“BAL TN RD” channel is in service for portable radios between Charles and Fulton for the B&P Tunnel, and between Paul and Biddle for the Union Tunnel. Lower powered portable radio transmissions made on “BAL TN RD” within these limits are picked up by a repeater and retransmitted on Road Channel 054 at high enough power to be received by portable and/or engine radios also located within the tunnels. While the “BAL TN RD” channel transmits on the repeater frequency, it receives on Road Channel 054.

Note:

No adjustment is necessary for engine radios to communicate with portable radios while within the tunnels.

The CETC Dispatcher receives all transmissions made within the B&P and Union Tunnels on Road Channel 054 or “BAL TN RD”.

900-P1. DISPATCHERS: ASSIGNED TERRITORIES

DISPATCHER	TERRITORY
CETC-6	Holmes, inclusive to Penn, exclusive.
CETC-5	Penn Interlocking.
CETC-4	Penn, exclusive to Ragan, exclusive. No. 4 and No. 5 tracks, Phil to Arsenal, exclusive.
CETC-3	Ragan, inclusive to Gunpow, exclusive.
CETC-2	Gunpow, inclusive to Fulton, exclusive.
CETC-1	Fulton, inclusive to CP Avenue.

940-P1. CONDUCTORS AND ASSISTANT CONDUCTORS: 30TH STREET STATION

Conductors of Amtrak trains that originate or with dwell time at 30th Street St. Station because of an engine or equipment change must contact a Station Service representative without delay when train is ready for boarding and departure, in person or via radio channel 036-036.

Note: If unable to contact Station Service representative, Conductor must contact CETC-5 Dispatcher.

952-P1. MARC INSPECTION REPORTS AND FORMS

Engineers operating MARC Commuter trains on the Northeast Corridor may accept the locomotive calendar day inspection, air brake test and cab signal test as noted on prescribed MARC forms. Amtrak's MAP 100 will continue to be used for noting any defects, as well as ensuring safety seals have been applied and numbers properly noted.

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The Washington Terminal District consists of Washington Terminal (Union Station, Coach Yard and Ivy City Maintenance Facility).

WASHINGTON TERMINAL (WT)

STATIONS	MP	INT	PS	NOTES
CP AVENUE R-CETC 1 TD (ML-Philadelphia to Washington)	134.6	...	...	1
C INTERLOCKING R-K TOWER (Metropolitan Sub. CSX) (MARC Wedge Yd)	135.0	X	...	4
K TOWER	135.7	X	...	2
WASHINGTON	136.0	...	X	...
A INTERLOCKING R-K TOWER	136.0	X	...	...
CP VIRGINIA (RF&P Subdivision) R-CSX "BD" TD (BAL)	137.1	X	...	3
DIVISION POST (CSX Baltimore Division)				
<p>The direction from CP Avenue to CP Virginia is south. Note 1: Northward controlled signals. Note 2: In service as an Interlocking Station with Road Radio Channel 054-054 and Yard channels 001 & 002. Note 3: CSX radio channel 096-096 and Dispatcher tone 20-3 are in service for BD Dispatcher in Baltimore, MD. Note 4: Movements into and out of MARC's Wedge Yard are under the authority of the Train Director at K Tower.</p>				

240-W1. SIGNAL RULES and TRACK DESIGNATIONS

Tracks between the following locations are numbered from West to East:
 BETWEEN CP AVENUE & K TOWER:

- ▶ At the North end, 40 & 42.
- ▶ At the South end 38 through 42.

STATION TRACKS AT WASHINGTON:

- ▶ 7 through 20, 22 through 30.

BETWEEN A INTERLOCKING AND CP VIRGINIA:

- ▶ Southward and Northward Main Tracks.

Interlocking Rules 600 through 616 are in effect as follows:

- ▶ West Yard Track 4
- ▶ Tracks 38 through 42 between CP Avenue & K Tower;
- ▶ Station Tracks 7 through 16 & 30, between northward starting signals (home signals for K Int) and connection with Tracks 38 through 42;
- ▶ Station Tracks 17 through 20, entire track;
- ▶ Tracks 22 through 29 between "H" Signal Bridge & First St. Tunnel;
- ▶ Northward & Southward Main Tracks between North Portal First St. Tunnel and CP Virginia (CSX).
- ▶ Cab Signal System Rules 550 to 561, inclusive are in effect for northward and southward movements on Track 40 and Track 42 between Signal Bridge "H" and Avenue and for movements over No. 460 Crossover. Except as provided for in SI 550-W1, trains not equipped with Cab Signal System apparatus are prohibited on these tracks.

37-W1. MAXIMUM SPEEDS - WASHINGTON TERMINAL

Location (Between)	Psg	Fr
Connection with CSX north of New York Avenue OH Bridge or connection with Amtrak PW Line at CP Avenue & Signal Bridge "J"		
Tracks 40 & 42	45	10
All Other Tracks	20	10
Wye Bridge Switching Center All Tracks	10	10
<i>Except</i> Operating Over No. 624-A Switch	5	5
Signal Bridge "J" & Signal Bridge "H"		
Northward	20	10
Southward	15	10
Signal Bridge "H" and North Portal First Street Tunnel	15	10
North Portal First Street Tunnel and CP Virginia	25	10
Location (Between)	Restricted Speed not exceeding	
All yard tracks	15	10
<i>Except</i> West Leg Wye	10	10
<i>Except</i> Track 52	5	5
Through Car Washer, Short Leg Wye:		
Northward when washing	2	2
Either direction when not washing	15	10
Through HST Trainwash, Track 52:		
When washing	4	4
Engine Servicing & Car Shop Repair		
Tracks specified in SI 16-W3	5	5
<i>Except</i> Within HST Building	3	3

C-W1. QUALIFICATION FOR YARD & WORK TRAIN SERVICE-CONDUCTORS & ASSISTANT CONDUCTORS

Conductors must be qualified on the required physical characteristics before accepting assignment as a yard or work train Conductor. Conductors and Assistant Conductors absent from yard service for 6 months or longer must contact a Terminal Trainmaster before starting a yard assignment at Washington or Philadelphia Terminal. Conductors and Assistant Conductors who have not worked a regular assigned work train position for 6 months or longer must contact a Trainmaster or Road Foreman before working a regular work train assignment.

C-W2. QUALIFICATION TO OPERATE MOTORIZED VEHICLES IN WASHINGTON TERMINAL AND YARDS

Amtrak employees/contractors operating motorized vehicles in Washington Terminal and Yards are prohibited from crossing tracks until they complete the "Crossing Live Tracks with Motorized Vehicles Course" and receive a signed qualification card from their supervisor. Upon successful completion of the course, employees/contractors are responsible for their own safety when working on or about the track outside a protected worksite and to keep a lookout and move to a safe place in sufficient time on the approach of a train or track vehicle.

F-W1. FIRST STREET TUNNEL

When approaching tunnel, Passenger Trainmen will see that end and vestibule doors are closed. Interior lights of occupied passenger cars are to be fully lighted prior to entering tunnel.

Conductors of southbound revenue passenger trains will ensure that blower fans are turned off and intakes closed on all passenger cars except Amfleet I when passing through tunnel.

When an emergency condition exists, which will require the evacuation of a passenger train in the First Street Tunnel, and requires passengers to pass through manholes between the Northward and Southward Main tracks, such evacuation will not commence until the Conductor has communicated with the Train Director, K Tower and has received positive assurance that there are no train movements on the adjacent track. The Train Director, K Tower will be responsible to ensure all movements are restricted until the evacuation has been completed.

Within the tunnel, K Tower may be contacted on radio channel 054-054, or Washington Terminal yard channels. Telephones, equipped with switches to select dial line or direct line to K Tower, are installed in every fifth manhole (500 foot intervals) throughout the tunnel. Fire alarm pull stations located adjacent to telephones are out of service.

I-W1. REPORTING FIRES

The Washington Terminal Control Center (Telephone 2333) must be notified promptly when any fire is observed on or near Company property or is likely to affect the property.

R-W1. MEDICAL SERVICES

When employees or passengers in or enroute to Washington Terminal require medical attention, the Washington Terminal Control Center (2333) should be promptly notified to arrange for appropriate medical services, or ambulance if necessary.

1-W1. WASHINGTON TERMINAL YARD BULLETIN (WTYB)

► *WTYB Authority:*

The WTYB contains temporary restrictions and other instructions applicable to Washington Terminal. The WTYB may be used to modify applicable portions of Mid-Atlantic Bulletin Order pertaining to Washington Terminal. Amtrak Zone 2 employees in Washington Terminal yard service, Zone 5 employees in VRE service and MW employees must obtain the current WTYB when reporting for duty and have it with them while on duty.

MW employees operating or working on tracks of Washington Terminal must have the current WTYB, except employees operating track cars into Washington Terminal from the PW Line who are in possession of the TSRB.

Any employees who are required to operate in the Coach Yard or Ivy City Maintenance Facility and are not in possession of the WTYB, must first contact the Train Director at K Tower and obtain the current WTYB.

► *Effective Times:*

The Washington Terminal Yard Bulletin (WTYB) will be effective at **3:00 AM Daily**.

► *WTYB Usage and Delivery:*

Form D Line 1 may also be used to inform crews of temporary restrictions when this method is more efficient. Employees whose duties are affected must obtain the WTYB when reporting for duty and must have it with them while on duty. The WTYB will be electronically transmitted to the following Washington Terminal and VRE Sign-up locations:

- Crew Dispatcher's Office, Trk 7, Washington
- Yardmaster's Office, Coach Yard Building, Washington
- VRE Crew Room, Coach Yard Building, Washington
- VRE Crossroads Yard, Fredericksburg
- VRE Broad Run Yard, Manassas
- K Tower, Washington

Crews must examine the WTYB to ensure that it is current, complete and legible. If no WTYB's are available at sign-up locations, the crew must contact K Tower for instructions.

1-W1. (Cont'd)

► Crews Working at Effective Time:

Conductors, Assistant Conductors and Engineers already working or enroute will be governed by the WTYB in their possession until they receive a copy of the current WTYB. If the Train Director instructs a crew to obtain the new WTYB, the crew must verify receipt with the Train Director.

► Temporary Speed Restrictions and Pertinent Instructions:

Temporary speed restrictions or pertinent instructions may be added or canceled on the WTYB. Additions or cancellations must **not** be copied by an employee operating the controls of a moving train or engine. When dictating or repeating changes to the WTYB, employees must pronounce numerals digit-by-digit. Only authorized abbreviations may be used on the WTYB.

When a restriction or instruction is to be added, the Train Director must dictate the restriction or instruction to the Conductor, Engineer or other qualified employee on the affected train or engine. The receiving employee must copy the additional restriction or instruction in the space provided on the WTYB. The additional information must be correctly repeated to the Train Director before the "Time Effective" is given. If communication fails before the "Time Effective" is received, the train or engine must not proceed until communication is reestablished.

► Effective Period of Added Restrictions or Instructions:

Speed restrictions or instructions added to the WTYB will remain in effect until Canceled.

► Canceling Restrictions:

When a restriction or instruction is to be canceled, the Train Director will advise the Conductor, Engineer or other qualified employee on the affected train which restriction or instruction and corresponding line number will be canceled. Restrictions or instructions to be canceled must be correctly repeated to the Train Director before a "Time Canceled" is given. The employee must then draw a line through the canceled restriction/instruction.

► Retention of the WTYB:

Upon completion of their tour of duty, employees may discard their WTYB unless information has been added or canceled, in which case it must be retained and held available for inspection for 7 days.

1-W2. TEMPORARY SPEED RESTRICTION BULLETIN (TSRB)

Amtrak Zone 5 crews and Train & Engine Service employees of foreign railroads not operating to or from the PW Line are not required to obtain the Temporary Speed Restriction Bulletin (TSRB).

16-W1. BLUE SIGNAL PROTECTION - UNION STATION

Fixed overhead flashing blue signal lights in service on north and south ends of Station Tracks 7 through 20 and 22 through 30.

Illuminated blue signals signify that workmen are on, under, or between rolling equipment, and the restrictions of section (a) of Rule 16, apply to the entire track. **No movements of any kind are permitted.**

When fixed overhead flashing blue signal lights can not be extinguished due to malfunction, Form D Line 13 will be issued to cancel this SI, and permit movements out of the affected track. Prior to issuing the Form D, the Train Director must contact the employee who was afforded blue signal protection to confirm that all employees are clear of the track and that permission is granted for the movement.

16-W2. BLUE SIGNAL PROTECTION - IVY CITY MAINTENANCE FACILITY

At Ivy City Maintenance Facility, fixed blue signal lights are in service adjacent to Main Shop Tracks 1, 2, 5 & 6, S&I Tracks 7 & 8, HST Building Tracks 9, 10, 11, & 12, and fumigation track. When lights are illuminated, the restrictions of section (a) of Rule 16 will apply to the track between fixed derails.

16-W3. BLUE SIGNAL DERAILS

The following locomotive servicing and car shop repair tracks are equipped with hand-operated blue signal derails:

Ivy City Maintenance Facility:

- Nos. 1, 2, 3, 4, B, D, 5 and 6 Main Shop Tracks.
- Nos. 7 and 8 Service and Inspection Building Tracks.
- Nos. 9, 10, 11, "C" and 12 HST building tracks.
- Nos. 13, 14, 15, 16, 17 and 18 Storage Tracks.
- Loco Storage 1 and 2, and No. 23 Motor Pit Tracks.
- Nos. 24, 25, 26 and 27 Annex Building Tracks.

Wye Bridge Switching Center:

Fumigation Track

Movements on all of the above tracks must not exceed 5 MPH.

19-W1. ENGINE WHISTLE OR HORN SIGNALS

Warning signal 19(c) must be sounded by northbound movements out of First Street Tunnel to warn persons at south end of Lower Level Tracks 22 to 29.

Whistle posts in service north and south of CSX Transportation overhead bridge at Wye Bridge Switching center. All trains operating on Fumigation Track and Tracks 24, 51 and 52 must sound engine whistle signal 19(b) approaching and passing under CSXT bridge and over road crossing south of the bridge.

The requirements of rule 19(b) do not apply when approaching or passing standing trains on station platform tracks at Washington.

20-W1. ENGINE BELL

The bell of equipped trains must be sounded when approaching and adjacent to a station platform. The bell must continue to be sounded until the train has stopped.

34-W1. MOVEMENT OF TRAINS

Trains must avoid stopping diesel locomotives underneath windows at K Tower on Station Tracks 15 and 16, account of diesel exhaust.

Northbound trains arriving Tracks 22, 27, 28 or 29 will stop with rear of train clear of south switch of those tracks.

Northbound trains, with 15 cars or less, arriving on Tracks 23, 24, 25 or 26 will stop with rear of train as near as possible to bottom of stairways. Conductors will arrange these stops by use of communicating signal or radio.

Passenger trains arriving on Station Track 7 must not stop with engine under H Street overhead bridge. Push-pull trains of 3 cars will stop with headend at "Train Stop 3 Cars" sign.

"Train Stop" sign in service adjacent to Station Track 18, 40 feet north of the end of track. Trains arriving on this track from the Amtrak Main Line or from CSX must stop with their head end adjacent to the sign to facilitate inspection of the engine or control car.

"Train Stop" signs in service at south end of low level tracks 23, 24, 25 and 26. Engineers of arriving southbound trains will stop with south end of engine adjacent to train stop sign in accordance with the following instructions:

Tracks 23 and 24—

"Train Stop A" sign located at stairway at south end of platform for through trains with 12 cars or less.

"Train Stop B" sign located 120 feet south of stairway for trains terminating at Washington.

"Train Stop C" sign located at extreme south end of platform for all through trains with 13 or more cars.

34-W1. (Cont'd)

Tracks 25 and 26—

“Train Stop A” sign located at stairway at south end of platform for through trains with 16 cars or less.

“Train Stop B” sign located 120 feet south of stairway for all trains terminating at Washington.

“Train Stop C” sign located at extreme south end of platform for through trains with 17 or more cars.

All northward movements on Tracks 39 or 40 must clear “J” Signal Bridge prior to reversing movement.

34-W2. VIRGINIA RAILWAY EXPRESS

Conductor of northbound VRE trains arriving at Washington will, after completion of station work, press train start button to notify the Train Director when train is ready to proceed to the coach yard.

The Train Director will arrange for the use of Coach Yard tracks by VRE crews with the Yardmaster. Signal indication will be authority for train to occupy Coach Yard track.

When ready to depart for the station, Conductors of southbound VRE trains will notify the Yardmaster on Yard Radio Channel 001 (084-012), who will advise the Train Director. At other times, crews of VRE trains will monitor Road Channel 054-054.

34-W3. UNION STATION - TRACK 16

All passenger trains arriving and departing Station Track 16 must use the east side platform (facing Track 17). Guests for departing trains will be directed to the east side platform for boarding.

36-W1. AMFLEET CARS

Personnel handling or working on moving Amfleet equipment, must not pass from car to car, except as is necessary in the performance of duty, and only then when on tangent track.

36-W2. ROAD ENGINE CREWS

Road Engine Crews, when receiving their engine at the Station, must not move without permission of the Train Director, regardless of whether their engine is coupled to a train. On station tracks, the interlocking signal displayed for engine to proceed out of the track may be accepted as permission to proceed at Restricted Speed to the signal.

Road Engine Crews of through trains arriving at Washington must contact Train Director for instructions before securing their engines, unless relieved by a station engineer.

36-W3. STARTING TRAINS

Train Conductors must report at the Crew Dispatchers Office for instructions before going to their trains.

Conductors on Amtrak passenger trains that are scheduled to board passengers must contact a Station Service representative when the train is (1) ready for boarding, and (2) ready for departure. Trains may depart at scheduled departure time after being informed by the Station Service representative that the gate is closed and the Conductor and crew have confirmed the platform is clear.

Conductors must report immediately to the Train Director K Tower and the Washington Control Center any occurrence that will delay the on-time departure of their train.

VRE and MARC Commuter Trains

Commuter trains may leave at scheduled departure time on proper signal from the Conductor. Any occurrence that would prevent a commuter train from departing on time must be reported to the Train Director K Tower and the Commuter Control Center.

36-W4. INITIAL TERMINAL BRAKE TEST

When an Initial Terminal Brake Test is completed on a train prior to the crew's arrival, the employee conducting the test will place Air Brake Test Certificate, MAP 1173, on the locomotive brake stand.

Before departure of trains whose air brakes have been pretested, engineer must make an application and release of the automatic brake and member of the train crew must ensure that brakes have applied and released on the rear car.

36-W5. IVY CITY MAINTENANCE FACILITY

All movements must make a complete stop at doorway prior to entering Main Shop, Service and Inspection, Annex or High Speed Rail Buildings. Before proceeding, a visual check of the building door must be made to ensure it is in proper position. Engine Bell must be sounded when entering or moving within these buildings.

A crewmember must be positioned on the apron outside the Ivy City Maintenance Building prior to making movements out of the building on trks 5 and 6 shop, and 7 & 8 S&I. The crewmember shall ascertain there is no conflicting vehicular traffic on the apron before permitting the move to proceed.

36-W6. CAR WASHER—SHORT LEG OF WYE

Crews operating through the car washer on the short leg of the wye must exercise caution due to close clearance with the apparatus. When trains are to be washed, they must come to a complete stop and not proceed until apparatus has begun to operate. Trains being washed must move northward only and must not exceed 2 MPH. Southward moves must not be made when the washer is in operation.

36-W7. HST TRAINWASH FACILITY—TRACK 52

All equipment other than a High Speed Trainset (HST) is prohibited from passing over the Hegenscheidt automated wheel inspection apparatus at south end of Trainwash Facility, due to weight restriction. Except in an emergency, diesel engines are prohibited within the Trainwash Facility, and must never pass over Hegenscheidt apparatus.

HST's must only operate in a northward direction when passing through trainwash apparatus, to avoid damaging apparatus. However, if it should become necessary to make reverse movement due to wheel inspection fault, reverse movement must not commence until operator is present to place trainwash apparatus in manual mode and supervise movement. HST must continue moving northward at prescribed speed until entire trainset clears north end of trainwash, to avoid premature trainwash shutdown.

Manual use of HST Power Car sanders is prohibited while passing over the Hegenscheidt automatic wheel inspection apparatus.

36-W8. STATION TRACKS—WASHINGTON TERMINAL

When a movement handled by yard engine enters a station track, crew member in charge, if not instructed as to move desired, will contact Train Director promptly.

36-W9. TURNTABLES

Trains must not proceed onto or off of a turntable until turntable rails are properly lined and secured.

36-W10. SECURING EQUIPMENT

In the application of Operating Rules 108 and 109, and AMT-3 Rule 3.5 (Air Brake and Train Handling Rules and Instructions), the following will govern the securing of equipment against movement:

- ▶ **Lite Engines** – Unattended lite engines must have handbrake or parking brake applied (if so equipped), and wheels chocked or skated.
- ▶ **Catenary Power Outages** – When notified of a catenary power outage, the Train Director must promptly arrange to have all electric equipment on affected tracks secured with chocks or skates to prevent movement until power is restored.

36-W10. (Cont'd)

► Union Station:

HST's – Except in catenary power outages, the use of chocks or skates to protect High Speed Trainsets against movement is prohibited on Station Tracks.

Equipment, Other Than HST's – On Station Tracks, chocks or skates and handbrakes are required on one or more cars left standing unattended. However, the use of chocks or skates to protect against movement is prohibited on any passenger train that has an engine attached on Station Tracks. After engine is attached to cars, the Mechanical department employee completing the coupling will remove the chock or skate from the rear of the train. Trains with engine attached must be secured with engine parking/handbrake applied, full service application, independent brake in full application, reverser removed or locked in place, and a minimum of two hand brakes applied on cars, as outlined in AMT-3, Rule 3.5.

► **Removing Chocks & Skates** - Wheel chocks and skates must be removed from railhead under equipment prior to moving cars or engines. Chocks or skates must not be removed until cars are coupled to an engine or power car, or equipment is secured against movement by other means, including sufficient handbrakes.

► **Ivy City Shop & Storage Tracks** – Equipment at the south end of tracks must have two (2) handbrakes applied.

40-W1. ENGINE AND EQUIPMENT RESTRICTIONS

The numbers shown in the columns to the right of each listed location specify the maximum dimension engines and equipment that may be operated. Engine and equipment dimension specifications are assigned in S.I. 37-S5 (page 279) for equipment authorized to operate on the NEC and in Washington Terminal.

Notes shown in parentheses in the location column are defined at the end of the table.

Location	Tracks
	Other
Avenue & K Tower: All tracks	5
Except 42 Trk north of K signal bridge	4
WUT Station: (a)	...
Tracks Nos. 7 to 11	5
Tracks Nos. 12 to 14	4
Tracks Nos. 15 to 16	5
Tracks Nos. 17 to 20	4
Tracks Nos. 22 to 30	5
First Street tunnels	5
High Speed Rail S&I Building, all tracks	1
Ivy City, Wye Bridge Switching Center, West Yard: All Tracks	5
Note: Capitoliner Control Car 9637 is prohibited from operating in Washington Terminal.	

41-W1. CWR EQUIPMENT

CWR (Continuous Welded Rail) Trains are permitted on Track 40 and 42 between “H” Signal Bridge and Avenue, and over No. 460 Crossover, C Interlocking. CWR Trains are restricted from operating all other tracks in the Washington Terminal.

41-W2. SUPERLINER AND HIGH LEVEL CARS

Superliner Cars 31000 through 38068 and High Level Cars 39940 through 39985 are equipped with high diaphragms. Transition Cars 39000 through 39046 and 39900 through 39939 are equipped with high diaphragms on only one end. The low diaphragms on the opposite end are compatible with conventional single level cars. Cars equipped with tubular type diaphragms may be coupled to the high ends of Superliners, high level and transition cars without restriction.

Prior to coupling, crews must observe the diaphragms on all equipment to ensure that they are compatible. Cars with diaphragms not compatible may be coupled and moved on straight track with permission of the Yardmaster, but must never be coupled or moved on curves or diverging movements through switches.

41-W3. MOVEMENT OF MARC & VRE CAB CARS

Kawasaki bi-level Cab Cars MARC 7845-7854, VRE V701-V704 and VRE Mafersa Cab Cars V901-V910 must not be moved in Washington Terminal without main reservoir air applied and inflated air bellows, due to insufficient clearance of pilot and cab signal pickup bar.

47-W1. ELECTRICAL OPERATION—FIRST ST. TUNNEL

Illuminated signs displaying letters ACMS vertically, located 470 feet south of north portal, to the right of Northward and Southward Main Tracks, indicate southward limits of catenary. Electric equipment must not pass these A.C. Motor Stop signs with the pantograph raised.

47-W2. IVY CITY MAINTENANCE FACILITY

1. Portions of the following tracks are in service for AC electrical operation, as specified below:

Tracks 9, 10, and 13–18: entire track

Track 11: Entire track, except from a point 115 feet south of building to a point (within building) 300 feet north thereof, as indicated by AC Motor Stop signs.

Trk 12: Entire track, except that portion from a point 115 feet south of High Speed Rail building to a point 185 feet north of the building as indicated by AC Motor Stop signs.

High Speed Rail Building: Movements within the HSR building with raised pantograph are governed by SI 47-A1 (page 344).

2. Service and Inspection Building:

Nos. 7 and 8 Tracks, S&I Building, are equipped with red and green lights at entrance doors to indicate status of the short section of catenary extending from 100 feet outside of building to a point 20 feet into the doorway. Within the S&I Building, indicator lights along east and west sides at both ends and center of building indicate status of the catenary section within the building on each track.

A red light indicates catenary section is energized. A green light indicates section is not energized and electric engines with pantograph raised must not pass onto that catenary section. If both indicator lights are dark, M of E foreman must be contacted to ascertain that catenary section is energized before attempting movement with pantograph raised.

3. Electric Locomotive Pit:

Red and green lights in service at north and south ends of Electric Locomotive Pit structure to indicate status of catenary section on No. 23 track extending from 125 feet south of pit to a point 75 feet north of pit. Employees will be governed by the same instructions as for Nos. 7 and 8 S&I Tracks.

47-W1. (Cont'd)

4. Diesel Service Facility:

Catenary section on Track 26 from 175 feet south of Annex Building to a point 90 feet north of the building is normally de-energized. Electric engines with pantograph raised must not enter this section unless advised by diesel foreman that catenary has been energized.

47-W3. ELECTRICAL OPERATION: EMPLOYEES

Employees must not climb above floor level of locomotives or cars on any track equipped with catenary wires unless authorized by an Electric Traction Department Class A employee after catenary has been de-energized and properly grounded.

If necessary to climb on locomotives or cars on a track not equipped with catenary, employees must first note the position of any nearby overhead wires.

Employees must not approach within three feet of any overhead wire or other part of the catenary system. They must not touch dangling wires or foreign objects which may be in contact with overhead wires, but must report their location immediately to the Train Director, K Tower and warn other persons of their location.

Employees whose duties are in any way affected must comply with the Electrical Operating Instructions AMT-2. Employees who are qualified on AMT-2 must maintain and have with them while on duty a copy of the AMT-2 Electrical Operating Instructions.

47-W4. OPERATION OF ELECTRIC ENGINES

When moving lite electric engines with pantographs up between Ivy City and Washington Terminal the following will apply:

- a. A maximum of six electric engines will be allowed in a consist.
- b. The 27 point MU cable requirement listed in AMT-2, 3.110(A) is not required.

When handling more than three engines, operating speed must not exceed 15 MPH.

47-W5. RECONFIGURING PANTOGRAPHS IN HIGH SPEED RAIL FACILITY

Transportation employees are permitted to reconfigure pantographs within the High Speed Rail Facility (HSR), as long as no pantographs are raised in de-energized territory or between the AC Motor Stop Signs. In order to facilitate movement in the HSR, additional signs used in conjunction with the AC Motor Stop Signs have been placed in service, as illustrated to the right. These signs indicate the point at which it is permissible to raise pantographs. These additional signs are located on the west side of Track 12 at the High Speed S&I facility, and are erected 61 feet north of the AC Motor Stop Sign on the north end and 61 feet south of the AC Motor Stop Sign on the south end. These signs are placed at a height that can be seen clearly from the cab of a Power Car. Lowered pantographs are not to be raised until the cab side window on the appropriate end of a high speed trainset is adjacent to these signs.



70-W1. SHOP OR OUT-OF-SERVICE EQUIPMENT TAGS

Yard crews must be alert for and immediately advise the Yardmaster or Train Director when “Shop” or “Out-of-Service” tags are found on any equipment in train consists.

94-W1. PUSH-PULL TRAINS

Rule 94, part (b), does not apply in Washington Terminal.

98-W1. END OF TRACK INDICATORS

End of track indicators displaying two red lights are installed at the south end of Station Tracks 7 through 16 to assist crews of arriving trains in locating the ends of these tracks. Although these indicators display red as their aspect, they do not indicate Stop.

98-W2. WYE BRIDGE SWITCHING CENTER

Movements through Wye Bridge Switching Center are governed by the indications of fixed signals controlled by the Train Director, K Tower. Control of yard tracks and authority to occupy tracks in Ivy City Maintenance Facility or Coach Yard must be granted in accordance with SI 98-W3.

Wye Bridge Switching Center is not an Interlocking, however Interlocking Rules 600 through 616 govern operations at Wye Bridge Switching Center.

All southward movements on 51 Trk must clear southern limits of Wye Bridge Switching center (Sig No. 613) prior to reversing movements, unless otherwise instructed by the Train Director.

98-W3. CONTROL OF YARD TRACKS

1. Coach Yard - Tracks 50, 51 and 52

The Train Director, K Tower, is in charge of Coach Yard tracks 50, 51 and 52. Signal indication will be authority to occupy these tracks.

2. Ivy City - Car Shop and Locomotive Servicing Tracks

The following Ivy City Maintenance Facility tracks are designated Car Shop Repair and Locomotive Servicing Tracks.

Authority of the employee named must be obtained before any movement is made. Yardmaster may be contacted on channel 084-012 (WT-1). Mechanical personnel may be contacted on channel 069-016 (WT-002). High Speed Rail Foreman may be contacted on Yard Channel 001.

TRACKS	CONTROLLED BY
Trks 1 & 2, Main Shop, between derail on south end to fouling point of switch (No. 904) connecting with Trk 3 at north end	Engine House Foreman
Loco Storage 1 & 2, Track 23 between fouling point of switch (No. 988) connecting with Track 19 at south end and fouling point of switch (No. 940) connecting with Trk 9 at north end	Motor Pit Foreman
Trks 9, 10, 11 & 12, within High Speed Rail Building	High Speed Rail Foreman
Annex Building Trks 24, 25, 26 and Turntable Trk	Diesel Pit Foreman
Trk 35	Yardmaster
All other Ivy City Maintenance Facility trks, except trk 19 (Track 19 is not a shop track)	Employee who establishes blue signal protection; controlled by Yardmaster at other times

3. Yardmaster

The Yardmaster is in charge of movements on all other tracks in the Ivy City Maintenance Facility and Coach Yard. Crews who report for duty at Ivy City or Coach Yard or arrive at the Coach Yard from the Station, except Road VRE Crews, must contact the Yardmaster promptly for instructions. All Crews must contact the Yardmaster prior to occupying Short, East or West legs of Wye. **Authority to occupy any yard track does not insure that the track is clear of other movements or relieve employees from operating RESTRICTED SPEED.**

100-W1. COUPLING OUTBOUND ROAD LOCOMOTIVES TO EQUIPMENT

A Mechanical Department Car Inspector or Foreman must be present to observe, inspect and approve all couplings of outbound road locomotives to equipment when making up a train for departure. A coupling will not be considered complete until so inspected and approved.

100-W2. COUPLING TO AMTRAK INSPECTION CAR 10001

Equipment must not couple to or butt knuckles with Amtrak Inspection Car 10001 while in WT Station tracks without permission of the Train Director, K Tower.

104-W1. NORMAL POSITION OF HAND-OPERATED SWITCHES

The following switches must be returned to normal position after any reverse movement. East Leg Spur switch No. 810, West Wye Lead switch No. 824, and No. 968 switch leading from Ivy City Track 11 to Track C must be locked when not in use.

Location	Normal Position
COACH YARD	
East end of crossover from West Wye Lead to West Storage Lead (No. 824)	For West Storage Lead
Switch leading from East Leg to East Leg Spur track (No. 810)	For East Leg
IVY CITY	
Switch leading from Trk 11 to Trk C (No. 968)	For Trk 11
Switch leading from Trk 25 to Trk 27, South of Annex Building (No. 998)	For Trk 27
Switch leading from Trk 27 to Trk 26, South of Annex Building (No. 915)	For Trk 26

104-W2. POWER-ASSISTED MANUAL SWITCH

No. 826 turnout in West Storage Lead leading to Short Leg of Wye, No. 820 turnout in Short Leg of Wye leading to West Leg, and No. 812 turnout in Short Leg of Wye leading to East Leg, are “Hydra” power-assisted manual switches.

Rule 104 applies to the use of this switch.

Switch must be manually lined for all trailing and facing movements. Facing point movements must come to a complete stop before switch is operated. Switch must not be operated while any movement is passing over the switch.

Switch is operated by pressing button in box adjacent to the switch for two seconds. If switch fails to complete movement for any cause, it will return to the original position. After operation, switch points must be examined to ensure points fit the rail properly.

116-W1. BACK-UP HOSE

A back-up hose must be used when backing or shoving cars in Washington Terminal. When an engine or control car is on the leading end of the backup movement, the Automatic Brake Valve or Emergency Brake Valve on that engine or control car may be used as a substitute for a back-up hose. Occupied passenger trains departing Washington may refer to SI 116-S2 when necessary to make a reverse move back into the terminal.

Exceptions:

1. Movement may be made without a back-up hose when conditions make it unsafe for the Conductor to ride on the leading car. In such a case, the Conductor must walk ahead of the train to direct movement.
2. Use of a back-up hose is not required when switching with 5 cars or less in Ivy City Maintenance Facility Shop tracks, or in the Coach Yard including Wye Bridge Switching Center.

116-W2. LOCATION OF ENGINEER: EXCEPTION TO SI 116-S1

Engineers may operate from other than the leading end of the movement when changing ends would occur between CP Avenue and CP Virginia, between Coach Yard and Ivy City Maintenance Facility, or at Wye Bridge Switching Center. Such movements must be made at Restricted Speed, not exceeding 15 MPH.

Note: This exception does not apply, and Engineers must operate from the leading end of:

1. High Speed Trainsets with a functional leading cab that are operating:
 - a. Southbound on station tracks 10 – 20,
 - b. In excess of 50 feet on Ivy City High Speed Maintenance Facility Tracks 9 – 12.
 2. Single lite electric locomotives on which both operating compartments are functional.
- When necessary to change ends as outlined in items 1 & 2 above, AMT-3 instruction 2.5, "Locomotive Air Brake Test", does not apply. However, all other AMT-3 train handling rules and instructions apply.

165-W1. FORM D ISSUANCE & DELIVERY PROCEDURES

Reporting for Duty Outside of the Northeast Corridor:

Conductors and Engineers of trains en route to the WT Line that report for duty at locations not on the Amtrak Northeast Corridor, or report at Washington for trains en route to outlying points, must check for Form D's issued for the Washington Terminal District and delivered by fax. Employees must examine Form D's for completeness and legibility, then communicate with K Tower to verify the number and date of each Form D received. Conductor and Engineer must both have a copy of each Form D. Failure to verify Form D's will result in delay to the train at Washington.

Form D's will be faxed to the following locations as required: Washington Transportation Building and Coach Yard VRE room, Crossroads, Broad Run, Richmond, Charlottesville, Newport News, Pittsburgh, CSX locations at Brunswick, Frederick, Jessup, Martinsburg and Riverside.

At locations where only one employee reports for duty, he must check and verify Form D as above, then deliver a copy of each Form D to the Conductor or Engineer with whom he will be working.

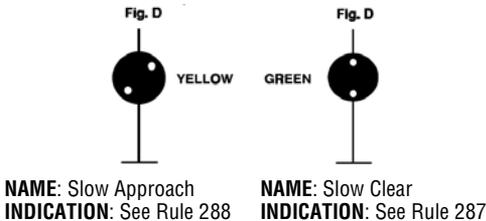
When a Conductor or Engineer is relieved after receiving Form D's, they must be delivered to the relieving Conductor or Engineer in accordance with Rule 173.

When crew members make multiple trips during a continuous tour of duty, Form D's received will remain in effect for all trips. Crewmember must notify K Tower that they will make multiple trips when verifying delivery of Form D.

Crew members given an interim period of release between trips must check and verify Form D's when reporting for duty after the period of release.

277-W1. NON-CONFORMING ASPECTS

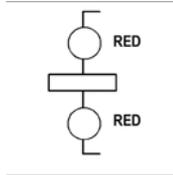
The following signal aspects, not in conformity with the typical aspects illustrated in the NORAC Operating Rules, are in service in Washington Terminal: (Except on Northward Signals at CP Avenue)



The following signal aspects illustrated in the NORAC Operating Rules will not apply in Washington Terminal, except on Northward Signals at CP Avenue: Rule 281, Fig. B (Clear) and Rule 285, Fig. B (Approach).

277-W2. NON-CONFORMING SIGNALS: FIRST STREET TUNNEL

The following signal aspect, not in conformity with the typical aspects illustrated in the NORAC Operating Rules is in service in the First Street Tunnel for southbound numbered signals 1367 at MP 136.7.



NAME: Restricting

INDICATION: See Rule 290

The signal aspects illustrated in the NORAC Operating Rules for Rule 291 will not apply to signals 1367.

550-W1. TRAIN NOT EQUIPPED WITH CAB SIGNALS

Trains without operative Cab Signals may operate on tracks where Cab Signal System rules are in effect. Such trains must operate at Restricted Speed and are governed by fixed signal indications. This exception does not apply to trains en route to the Main Line-Philadelphia to Washington.

613-W1. MOVEMENT OVER DERAILS

All split rail derails in Washington Terminal are self-restoring, with the exception of the split rail derail located on the south end of the Fumigation Track (Switch 620B).

Movements not governed by signal indication over derails located at the south ends of Station Tracks 22 through 29 must not be made without permission of the Train Director. This permission must include verification that derails are in proper position.

Before giving permission, the Train Director must confirm by model board indication that derails involved are in reverse (running) position and locked. When such situations are anticipated, the Train Director should throw and lock derails prior to initial movement over them. If position of derails cannot be confirmed, the Train Director must not give permission until train crew has verified that derails are in proper position for movement. After movements over derails are completed, the Train Director must return switch controls to the "NX" position to permit derails to restore.

701-W1. ENGINE RADIOS

Amtrak road engines must have radios tuned to channel 054-054. Yard engines must be tuned to Yard 001, channel 084-012. CSX freight and commuter trains will be tuned to the CSX road channel.

900-W1. DISPATCHER

Where the Operating Rules make reference to Dispatchers or Operators, such references will apply to the Train Director or Assistant Train Director K Tower.

900-W2. ASSIGNED TERRITORIES

Train Director K Tower: CP Avenue, exclusive to CP Virginia, exclusive.

902-W1. FORM D'S CP VIRGINIA

The CSX Dispatcher controlling CP Virginia will not be required to copy Form D Line 4 when the Line 4 limits extend to CP Virginia. Prior to issuing the Form D, the Train Director at K Tower must request blocking device protection from the CSX Dispatcher. The Train Director must record in his Form D book the name of the Dispatcher involved and the time the blocking devices are applied and removed.

952-W1. MARC INSPECTION REPORTS AND FORMS

Engineers operating MARC Commuter trains on the Northeast Corridor may accept the locomotive calendar day inspection, air brake test and cab signal test as noted on prescribed MARC forms. Amtrak's MAP 100 will continue to be used for noting any defects as well as ensuring safety seals have been applied and numbers properly noted.

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MAIN LINE-PHILADELPHIA TO HARRISBURG (PH)

STATIONS	MP	INT	IS	PS	NOTES
ZOO (36th St Connection) (Main Line-SEPTA)	2.3	X	X	...	9
STILES R-Zoo	3.5	X	...	...	1
VALLEY R-Overbrook (Ivy Ridge-SEPTA)	4.0	X	...	...	8
PAXON R-Zoo	4.1	X	...	...	7
WOODBINE R-Zoo	5.1	X	...	...	7
OVERBROOK	5.4	X	X	X	6
MERION	6.0	...	...	X	...
NARBERTH	6.8	...	...	X	...
WYNNEWOOD	7.5	...	...	X	...
ARDMORE	8.5	...	...	X	...
HAVERTFORD	9.1	...	...	X	...
BRYN MAWR R-Paoli	10.1	X	...	X	13
ROSEMONT	10.9	...	...	X	...
VILLANOVA	12.0	...	...	X	...
RADNOR	13.0	...	...	X	...
ST. DAVIDS	13.8	...	...	X	...
WAYNE	14.5	...	...	X	...
STRAFFORD	15.4	...	...	X	...
DEVON	16.5	...	...	X	...
BERWYN	17.5	...	...	X	...
DAYLESFORD	18.6	...	...	X	...
PAOLI	19.9	X	X	X	6
MALVERN	21.6	...	...	X	...
FRAZER R-Thorn	23.9	X	...	...	12
GLEN R-Thorn (Dale Secondary Trk., NS)	25.3	X	...	...	1
EXTON	27.5	...	...	X	...
WHITFORD	28.3	...	...	X	...
DOWNNS R-Thorn	32.1	X	...	...	...
DOWNINGTOWN	32.4	...	...	X	...
THORN (No. 5 Running Trk)	35.0	X	X	...	3, 6
THORNDALE	35.3	...	...	X	...
CALN R-Thorn (No. 5 Running Trk)	36.6	X	...	...	2, 3
COATESVILLE	38.4	...	...	X	...
PARKESBURG	44.2	...	...	X	...
PARK R-See SI 900-G1	46.3	X	...	...	...
GAP	51.2	...	...	...	...
LEAMAN R-See SI 900-G1 (Strasburg R.R.)	57.0	X	...	...	...
HOLLAND R-See SI 900-G1 (New Holland Sec. Trk, NS)	66.1	X	...	...	11
CONESTOGA R-See SI 900-G1	67.7	x	...	...	...
LANCASTER	68.0	...	...	X	...

MAIN LINE-PHILADELPHIA TO HARRISBURG (PH)

STATIONS		MP	INT	IS	PS	NOTES
CORK	R-See SI 900-G1 (Columbia Sec. Trk., NS)	68.1	X	...	...	6
LITITZ	R-See SI 900-G1 (Lititz Sec. Trk, NS)	70.1	X	...	...	10
MOUNT JOY		80.1	...	...	X	...
FLORIN		80.7	...	...	...	...
RHEEMS	R-See SI 900-G1	83.4	X	...	...	...
ELIZABETHTOWN		86.8	...	...	X	...
ROY	R-See SI 900-G1 (Royaltown Branch, NS)	94.3	X	...	...	...
MIDDLETOWN		94.7	...	...	X	5
STATE		104.6	X	X	...	6
HARRISBURG	(Market St. Running Trk)	104.6	...	...	X	4
DIVISION POST	(Pittsburgh Div. NS)	105.2	...	...	...	...

Mile Posts are numbered from Suburban Station (SEPTA).
 The direction from Zoo to Division Post is Westward.
Note 1: Interlocking Rules apply on Nos. 2 & 4 tracks only.
Note 2: Interlocking Rules apply on Nos. 1 & 2 tracks only.
Note 3: No. 5 Running Track controlled by Thorn.
Note 4: Market St. Running Track between State & End of Track, controlled by State.
Note 5: Rule 121(c) applies on No. 2 track.
Note 6: Amtrak Road Radio Channel 035-035 in service.
Note 7: Interlocking Rules apply on No. 4 track only.
Note 8: Interlocking Rules apply on Nos. 1, 2, & 4 Valley Trks only.
Note 9: In service as an Int Station with Amtrak Road Radio Channels 035-035 & 054-054.
Note 10: Interlocking Rules apply on No. 2 & NS Lititz Secondary tracks only.
Note 11: Interlocking rules apply to No. 2 & New Holland Secondary tracks only.
Note 12: Equipped with Dual Control Switches.
Note 13: Equipped with Dual Control Switches, except No. 23 & No. 32 switches.

240-G1. SIGNAL RULES and CURRENT OF TRAFFIC

251: On tracks where Rule 251 is in effect, the letter in parentheses () denotes the current of traffic: E=East, W=West, N=North, S=South. ABS Rules and CSS Rules 550 through 561 are in effect for movements with the current of traffic. Non-Signalled DCS Rules are in effect for movements against the current of traffic.

261: On trks where Rule 261 is in effect, ABS Rules & CSS Rules 550-561 are in effect for movements in both directions.

562: On tracks where Rule 562 is in effect, Rule 261, ABS Rules, and CSS Rules 550 through 563 (except Rules 554 and 556), are in effect for movements in both directions.

Int: Indicates interlocking rules are in effect.

Locations	Tracks from North to South				
	4	3	2	1	Notes
Eastern Limits Zoo & 44th St	1
Eastern Limits Zoo & 38th St	2
36th St. & 44th St	3
Connection with No. 3 trk NYP Line at Girard Int & Connection with No. 4 trk (Zoo Int) at 44 th St.	4
Zoo & Overbrook	261	5
Zoo (44th St) & Stiles	Int	...	3
Zoo (44th St) & Valley: No. 4 Valley	251(W)
Stiles & Overbrook	Int	...	261	...	8

240-G1. (Cont'd)

Locations	Tracks from North to South				
	4	3	2	1	Notes
Overbrook & Paoli	251(W)	261	251(E)	251(E)	...
Paoli & Glen	251(W)	...	...	251(E)	...
Glen & Downs	251(W)	...	261	251(E)	...
Downs & Thorn	251(W)	...	251(E)	251(E)	7
Thorn & Caln	...	...	261	261	7
Thorn & Park	251(W)	...	...	...	...
Park & Leaman	562	...	...	...	...
Caln & Park	...	...	...	251(E)	...
Park & Conestoga	...	...	...	562	...
Leaman & Holland	562	...	...	...	...
Holland & Lititz	...	...	Int	...	3
Conestoga & Cork	...	...	...	Int	9
Cork & Rheems	...	...	...	562	...
Lititz & Rheems	...	...	562	...	...
Rheems & State	...	...	562	562	6

Note 1: CSS Rules in effect on No. 1 trk for eastward movements & on No. 4 trk for westward movements.

Note 2: CSS Rules in effect on No. 4 trk for eastward movements.

Note 3: CSS Rules in effect on No. 2 trk for movements in both directions.

Note 4: Int & CSS Rules in effect on New York & Pittsburgh Subway trk for movements in both directions, Girard Int to Zoo Int. Controlled by Zoo.

Note 5: CSS Rules in effect on No. 1 trk for eastward movements only.

Note 6: CSS Rules in effect on No. 2 trk for westward movements, between east limits State & Int Signal located 1000 feet west of MP 104. CSS Rules in effect on No. 1 trk for eastward movements, between Int Signal located 1450 west of MP 104 & east limits State.

Note 7: Within Thorn Int trks are designated Nos. 4, 3, 6, 5, 2 & 1.

Note 8: CSS Rules in effect on No. 4 trk for movements in both directions.

Note 9: CSS Rules in effect on No. 1 trk for movements in both directions.

37-G1. PASSENGER TRAINS and FREIGHT TRAINS MAXIMUM SPEEDS and SPEED RESTRICTIONS, UNLESS OTHERWISE RESTRICTED

Locations and speeds shown in normal type are maximum authorized speeds. Locations and speeds shown in **bold type** are speed restrictions. *Maximum equipment speeds listed in SI 37-S5 (pgs 279-292) must not be exceeded.*

Where speeds change at an interlocking and the specific point where the speed change occurs is not specified, the lower speed will apply through the entire interlocking.

PASSENGER TRAIN TYPE "A" & "B" SPEEDS

Train Type A refers to High Speed Trainsets (HST) with tilt system *active*.

Train Type B refers to (1) HST's with tilt system *disabled*; and (2) trains consisting *exclusively* of HHP-8, AEM-7, ACS-64, P40BH, P42BH, or P32-BWH engines, and Amfleet, Horizon, Capitoliner Control Cars, MARC III control/coach cars, or US DOT test car DOTX 216.

Between/At	Train Type "A"				Train Type "B"			
	Track Nos.				Track Nos.			
	4	3	2	1	4	3	2	1
Eastern Limits Zoo & MP 3	50	...	30	50	50	...	30	50
Zoo: New York - Pitts Subway	15 MPH							
MP 3 & Western Limits Zoo	30	...	30	30	30	...	30	30
West Limits Zoo & West Limits Valley	...	...	60	60	...	...	60	60
No. 4 Valley Track	15 MPH							
West Limits Valley & East Limits Overbrook	...	...	60	65	...	...	60	65
Stiles & East Limits Overbrook	60	...	...	...	60	...	...	...
Within Overbrook Int.	70	30	50	65	70	30	50	65
West Limits Overbrook & East Limits Paoli Int.	70	80	80	70	70	80	80	70
Cv Between Merion & Narberth	60	75	75	60	60	75	75	60
Within Bryn Mawr Int.	...	50	50	...	...	50	50	...
Cv East of St. Davids (MP13.45 - 13.65)	60	60	60	60	60	60	60	60
Cv West of Devon	65	70	70	65	65	70	70	65
Cv East of Berwyn	50	50	50	50	50	50	50	50
Within Paoli Int.	65	30	30	60	65	30	30	60
West Limits Paoli & Glen	90	...	...	90	90	...	...	90
First 3 Cvs West of MP 21	75	...	...	75	75	...	...	75
Glen and Downs	90	...	30	90	90	...	30	90
First and Second Cvs West of Signal 295	60	...	...	60	60	...	...	60
Downs & West Limits Thorn	90	...	30	90	90	...	30	90
Within Thorn Int.	...	10	15	...	...	10	15	...
No. 5 Track	10 MPH							
West Limits Thorn & West Limits Caln	90	...	30	90	90	...	30	90
West Limits Caln & Signal 444	90	...	...	90	90	...	...	90
Signal 444 & MP 50	110	...	...	110	110	...	...	110
Cv West of MP 47	80	...	...	80	80	...	...	80
MP 50 & MP 54	90	...	...	90	90	...	...	90
Cv East of Gap	80	...	...	80	80	...	...	80

37-G1. (Cont'd)

PASSENGER TRAIN TYPE "A" & "B" SPEEDS

Train Type A refers to High Speed Trainsets (HST) with tilt system **active**.

Train Type B refers to (1) HST's with tilt system **disabled**; and (2) trains consisting **exclusively** of HHP-8, AEM-7, ACS-64, P40BH, P42BH, or P32-BWH engines, and Amfleet, Horizon, Capitoline Control Cars, MARC III control/coach cars, or US DOT test car DOTX 216.

Between/At	Train Type "A"				Train Type "B"			
	Track Nos.				Track Nos.			
	4	3	2	1	4	3	2	1
Cv at Gap	55	...	...	55	55	...	...	55
Cv West of Gap	55	...	...	55	55	...	...	55
Cv at MP 53	80	...	...	80	80	...	...	80
MP 54 & MP 63	110	...	...	110	110	...	...	110
Cv at MP 56	105	...	...	...	105	...	...	...
Cv East of MP 59	100	...	...	100	100	...	...	100
Cv MP 59.6 & MP 59.7	105	...	...	105	105	...	...	105
Cv West of MP 60	85	...	...	85	85	...	...	85
Cv West of MP 61	85	...	...	85	85	...	...	85
MP 63 & E. Limits Holland Int.	110	...	...	...	110	...	...	...
MP 63 & MP 66	...	...	...	110	...	...	...	110
Cv MP 63.6 & MP 63.8	105	...	...	...	105	...	...	...
East Limits Holland Int. & West Limits Litz Int.	...	...	60	...	...	...	60	...
MP 66 & MP 70	...	...	...	60	...	...	...	60
Conestoga and Cork: No. 7 Track								30 MPH
Eastward Tail Track								10 MPH
West Limits Litz & MP 74	...	...	105	...	...	...	105	...
MP 70 & MP 74	...	...	...	105	...	...	...	105
MP 74 & Eby Cheques Rd Xing	...	...	105	105	...	...	105	105
Cv MP 77.1 & MP 77.3	...	...	...	100	...	...	...	100
Cv MP 77.6 & MP 77.8	...	...	100	100	...	...	100	100
Eby Cheques Rd Xing & New Comers Rd Xing	...	...	80	80	...	...	80	80
New Comers Rd Xing & MP 80	...	...	110	110	...	...	110	110
MP 80 & MP 84	...	...	110	110	...	...	110	110
Cv MP 81.5 & MP 82.1	...	...	100	100	...	...	100	100
MP 84 & Roy Int.	...	...	100	100	...	...	100	100
Cv MP 84.7 & MP 85.4	...	...	85	85	...	...	85	85
Cv MP 85.9 & MP 86.2	...	...	85	85	...	...	85	85
Cv MP 92.9 & MP 93.5	...	...	85	85	...	...	85	85
Cv MP 93.5 & MP 94.0	...	...	95	95	...	...	95	95
Roy & E. Limits State Int.	...	...	110	110	...	...	110	110
Cv West of Middletown	...	...	80	80	...	...	80	80
Cv MP 97	...	...	...	105	...	...	...	105
Cv West of MP 102	...	...	...	105	...	...	...	105
MP 103.3 & E. Limits State Int	...	...	70	70	...	...	70	70

37-G1. (Cont'd)

PASSENGER TRAIN TYPE "A" & "B" SPEEDS

Train Type A refers to High Speed Trainsets (HST) with tilt system *active*.

Train Type B refers to (1) HST's with tilt system *disabled*; and (2) trains consisting *exclusively* of HHP-8, AEM-7, ACS-64, P40BH, P42BH, or P32-BWH engines, and Amfleet, Horizon, Capitoliner Control Cars, MARC III control/coach cars, or US DOT test car DOTX 216.

Between/At	Train Type "A"				Train Type "B"			
	Track Nos.				Track Nos.			
	4	3	2	1	4	3	2	1
E. Limits State Int. & Int. Signal 1000' West of MP 104	50	50	...	...	50	50
Int. Signal 1000' West of MP 104 & Div Post	15	15	...	...	15	15

PASSENGER TRAIN TYPE "C" & "D" SPEEDS

Train Type C refers to passenger trains that do not meet the criteria for train types A, B, or D.

Train Type D refers to passenger trains with mail, baggage or express cars in consist, that meet the Train Type D criteria defined in SI 37-S8.

NOTE: Train Type "D" trains must not exceed 60 MPH when operating with inoperative cab signals.

Between/At	Train Type "C"				Train Type "D"			
	Track Nos.				Track Nos.			
	4	3	2	1	4	3	2	1
Eastern Limits Zoo & MP 3	50	...	30	50	50	...	30	50
Zoo New York - Pitts Subway	15 MPH							
MP 3 & Western Limits Zoo	30	...	30	30	30	...	30	30
West Limits Zoo & West Limits Valley	...	...	60	60	...	...	60	60
No 4 Valley Track	15 MPH							
West Limits Valley & East Limits Overbrook	...	...	60	65	...	...	60	65
Stiles & East Limits Overbrook	60	...	...	...	60	...	...	...
Within Overbrook Int.	70	30	50	65	70	30	50	65
West Limits Overbrook & East Limits Paoli	70	80	80	70	70	80	80	70
Cv Between Merion & Narberth	60	65	65	60	60	65	65	60
Within Bryn Mawr Int.	...	50	50	...	...	50	50	...
Cv East of Rosemont	...	75	75	...	...	75	75	...
Cv West of Rosemont	...	75	75	...	...	75	75	...
Cv at Radnor	...	75	75	...	...	75	75	...
Cv East of St. Davids (MP13.45 - 13.65)	60	60	60	60	60	60	60	60
Cv West of Devon	65	70	70	65	65	70	70	65
Cv East of Berwyn	50	50	50	50	50	50	50	50
Within Paoli Int.	65	30	30	60	65	30	30	60
West Limits Paoli & Glen	90	...	...	90	90	...	...	90
First 3 Cvs West of MP 21	75	...	...	75	75	...	...	75

37-G1. (Cont'd)

PASSENGER TRAIN TYPE "C" & "D" SPEEDS

Train Type C refers to passenger trains that do not meet the criteria for train types A, B, or D.

Train Type D refers to passenger trains with mail, baggage or express cars in consist, that meet the Train Type D criteria defined in SI 37-S8.

NOTE: Train Type "D" trains must not exceed 60 MPH when operating with inoperative cab signals.

Between/At	Train Type "C"				Train Type "D"			
	Track Nos.				Track Nos.			
	4	3	2	1	4	3	2	1
Glen and Downs	90	...	30	90	90	...	30	90
First and Second Cvs West of Signal 295	60	...	...	60	60	...	...	60
Downs and West Limits Thorn	90	...	30	90	90	...	30	90
Within Thorn Int.	...	10	15	...	...	10	15	...
No. 5 Track								10 MPH
West Limits Thorn & West Limits Caln	90	...	30	90	90	...	30	90
West Limits Caln & Signal 444	90	...	...	90	90	...	...	90
Signal 444 & MP 50	110	...	...	110	90	...	...	90
Cv West of MP 47	80	...	...	80	80	...	...	80
Cvs between MP 48 & MP 50	100	...	...	100	...	...	...	...
MP 50 & MP 54	90	...	...	90	90	...	...	90
Cv East of Gap	80	...	...	80	80	...	...	80
Cv at Gap	55	...	...	55	55	...	...	55
Cv West of Gap	55	...	...	55	55	...	...	55
Cv at MP 53	80	...	...	80	80	...	...	80
MP 54 & MP 63	105	...	...	105	90	...	...	90
Cv at MP 56	95	...	...	...	...	...	...	...
Cv MP 57.4 & MP 57.6	...	...	...	...	...	...	...	...
Cv East of MP 59	95	...	...	95	...	...	...	...
Cv MP 59.6 & MP 59.7	100	...	...	...	...	...	...	...
Cv West of MP 60	80	...	...	80	80	...	...	80
Cv West of MP 61	80	...	...	80	80	...	...	80
MP 63 & E. Limits Holland Int.	110	...	...	...	90	...	...	...
MP 63 & MP 66	...	...	...	110	...	...	...	90
Cv MP 63.6 & MP 63.8	95	...	...	...	...	...	...	...
East Limits Holland Int. & West Limits Lititz Int.	...	...	60	...	...	...	60	...
MP 66 & MP 70	...	...	...	60	...	...	...	60
Conestoga and Cork: No. 7 Track								30 MPH
Eastward Tail Track								10 MPH
West Limits Lititz & MP 74	...	...	95	...	...	...	90	...
MP 70 & MP 74	...	...	...	90	...	...	...	90
MP 74 & Eby Cheques Rd Xing	...	...	90	90	...	...	90	90
Eby Cheques Rd Xing & New Comers Rd Xing	...	...	80	80	...	...	80	80
New Comers Rd Xing & MP 80	...	...	110	110	...	...	90	90

37-G1. (Cont'd)

PASSENGER TRAIN TYPE "C" & "D" SPEEDS

Train Type C refers to passenger trains that do not meet the criteria for train types A, B, or D.

Train Type D refers to passenger trains with mail, baggage or express cars in consist, that meet the Train Type D criteria defined in SI 37-S8.

NOTE: Train Type "D" trains must not exceed 60 MPH when operating with inoperative cab signals.

Between/At	Train Type "C"				Train Type "D"			
	Track Nos.				Track Nos.			
	4	3	2	1	4	3	2	1
MP 80 & MP 84	110	110	...	...	90	90
Cv MP 81.5 & MP 82.1	100	100	...	...	...	...
Cv MP 83.6 & MP 84.3	100	100	...	...	...	...
MP 84 & Roy Int.	100	100	...	...	90	90
Cv MP 84.7 & MP 85.4	80	80	...	...	80	80
Cv MP 85.9 & MP 86.2	80	80	...	...	80	70
Cv MP 90.8 & MP 91.2	95	...	...	...	...
Cv MP 92.9 & MP 93.5	80	80	...	...	80	80
Cv MP 93.5 & MP 94.0	90	90	...	...	...	...
Roy & E. Limits State Int.	110	110	...	...	90	90
Cv West of Middletown	80	80	...	...	80	80
Cv East of MP 96	105	...	...	...	...
Cv MP 97	100	...	...	...	...
Cv West of MP 102	100	...	...	...	...
MP 103.3 & E. Limits State Int	70	70	...	...	70	70
E. Limits State Int. & Int. Signal 1000' West of MP 104	50	50	...	...	50	50
Int. Signal 1000' West of MP 104 & Div Post	15	15	...	...	15	15

FREIGHT TRAIN SPEEDS

Between/At	Tracks			
	No. 4	No. 3	No. 2	No. 1
Eastern Limits Zoo & MP 3	20	...	20	20
Zoo: New York-Pitts. Subway	10 MPH			
MP 3 & West Limits Zoo	20	...	20	20
West Limits Zoo & East Limits Overbrook	20	...	30	20
No. 4 Valley	10 MPH			
Within Overbrook Int.	20	20	20	20
West Limits Overbrook & MP 7	35	25	25	25
MP 7 & MP 12	35	30	30	30
MP 12 & Devon	40	35	35	35
Devon & East Limits Paoli Int.	40	40	40	40
Within Paoli Int.	20	20	20	20
West Limits Paoli & Glen	40	...	...	50
Glen & Downs	50	...	25	50
First & Second Cvs west of Signal 295	40	...	...	40
Downs & West Limits Thorn	50	...	25	50

37-G1. (Cont'd)

FREIGHT TRAIN SPEEDS

Between/At	Tracks			
	No. 4	No. 3	No. 2	No. 1
Within Thorn Int.	...	10	10	...
No. 5 Track	10 MPH			
West Limits Thorn & Caln	50	...	10	40
Caln & MP 63	50	...	...	50
Cv at Gap	40	...	...	40
Cv west of Gap	40	...	...	40
MP 63 & MP 66	40	...	...	50
MP 66 & East Limits Conestoga	...	...	40	30
East Limits Conestoga & West Limits of Cork	...	...	20	20
Conestoga & Cork				
No. 7 Track	30 MPH			
Eastward Tail Track	10 MPH			
West Limits Cork & Roy	...	...	40	40
Roy & State	...	...	40	45
East Limits State Int & Division Post	All tracks 10 MPH			

37-G2. SPEEDOMETER CHECKING-MEASURED MILES

The distance between the sets of Mile Posts listed below is a measured mile. White marker posts are installed on both sides of the track at these locations.

MP 9 - MP 10	MP 24 - MP 25	MP 88 - MP 89
MP 14 - MP 15	MP 41 - MP 42	MP 100 - MP 101

37-G3. MAXIMUM SPEEDS-RUNNING TRACKS

Track	Between	And	Restricted Speed not exceeding
No. 5	Caln	Thorn	10 MPH

37-G4. MAXIMUM SPEEDS, OTHER TRACKS

Location	Track(s)	Restricted Speed not exceeding
State	East Leg of Wye	5 MPH
State	All trks within Dock St Yard	5 MPH
All Yard Tracks, Industrial Tracks and Public Delivery Tracks connected with Amtrak Main or Running Tracks		10 MPH

37-G5. WRECK and WIRE TRAINS

Between:	Wire Train	Boom Trailing	Boom Forward
		Miles Per Hour	
		Wreck	Wreck
Zoo & Paoli	50	40	30
Paoli & MP 44	40	40	40
MP 44 & Division Post MP 105.2	50	40	30

Note: Where speed of freight trains is slower than the speeds shown in this instruction, the freight train speed must not be exceeded.

37-G6. PASSENGER TRAINS WITH NON-PASSENGER CARRYING CARS IN CONSIST

A. Mixed Consist Trains of 14 cars or Less: Mixed consist trains of 14 cars or less may operate at passenger train speeds when they have at least one passenger carrying car for each non-passenger carrying car in consist. Mixed consist trains of 14 cars or less that do NOT have at least one passenger carrying car for each non-passenger carrying car, may operate at passenger train speeds, not exceeding the additional speed restrictions shown in item (D) below.

B. Mixed Consist Trains of 15 Cars or More: Mixed consist trains of 15 cars or more may operate at passenger train speeds, not exceeding the additional speed restrictions shown in item (D) below, when their consist includes:

1. At least 4 Amfleet, Horizon, Viewliner, or Heritage sleeper cars, **AND**
2. No more than 15 of the following cars in consist: 1500 series MHC cars, or 1000 or 1200 series baggage cars, **AND**
3. No more than a total of 30 cars.

Mixed consist trains that do not meet the above requirements must operate at freight train speeds.

C. Trains Consisting Exclusively of Non-Passenger Carrying Cars: Trains consisting exclusively of non-passenger carrying cars may operate at passenger train speeds, not exceeding the additional speed restrictions shown in item (D) below, when their consist includes:

1. No more than 10 of the following cars in consist: 1500 series MHC cars, or 1000 or 1200 series baggage cars, **AND**
2. No more than a total of 25 cars.

Trains consisting exclusively of non-passenger carrying cars that do not meet the above requirements must operate at freight train speeds.

D. Additional Speed Restrictions for Trains Referenced in Preceding Sections “A” thru “C”: The following additional speed restrictions apply to trains referenced in preceding sections “A” through “C”:

Between/At	Tracks	
	No. 4	No. 1
Eastern Limits Zoo & MP 3	40	...
West Limits Zoo & West Limits Valley	...	50
Stiles & East Limits Overbrook	50	...
Within Overbrook Int.	60	...
West Limits Paoli & Glen	70	85
Glen & Downs	85	...
West Limits Cork & MP 73	...	80
Roy & State	...	85

Note: The terms “mixed consist train”, “passenger carrying car”, and “non-passenger carrying car” are defined in Amtrak’s Air Brake and Train Handling Instructions (AMT-3).

40-G1. ENGINE AND EQUIPMENT RESTRICTIONS

The numbers shown in the columns to the right of each listed location specify the maximum dimension engines and equipment that may be operated. Engine and equipment dimension specifications are assigned in S.I. 37-S5 (page 279) for equipment authorized to operate on the NEC.

Notes shown in parentheses in the location column are defined at the end of the table.

Location	Tracks				
	4	3	2	1	Other
Zoo—Overbrook (a)	4	...	5	2	...
N.Y. & P. Subway-Zoo . . . . .	...	...	...	...	4
Overbrook & Paoli	4	5	5	4	...
Paoli & Glen	5	...	...	5	...
Glen & Downs	6	...	6	6	...
Downs & Thorn	6	...	6	6	...

40-G1. (Cont'd)

Location	Tracks				
	4	3	2	1	Other
Thorn & Park	6	...	6	6	...
Park & Cork	6	...	...	6	...
Cork & Roy	...	...	6	6	...
Roy & State	...	...	5	5	...
Roy & State, Via Royalton Br.	...	...	...	...	6
Harrisburg: Station Trks 5, 6, 7, 8	5	5	5	5	5

Note (a): Crews are limited to using **1 (one)** locomotive when switching on the WBY Trk.

41-G1. NS TRACK GEOMETRY CARS

Norfolk Southern Track Geometry Cars Nos. 31, 33⁽¹⁾, 34 and 48 are cars that must be pulled by an engine. Their maximum speed is 50 MPH. Because of clearance concerns, movement must be made at Restricted Speed while passing high-level station platforms, and these cars may operate **only** on the following routes:

Location	Acceptable Routes
Cork-Thorn	Trks 1 & 4 (2 trk within Cork Int)
Thorn-Downs	Trks 2 & 4
Downs-Glen	Trks 2 & 4

Note 1: Car No. 33 is prohibited from passing high level platforms, except for the mini high platform on No. 4 track at Thorndale, and the mini high platforms at Exton.

41-G2. CARS EXCEEDING 263,000 POUNDS

NS Trains containing cars with gross weight not exceeding 286,000 pounds may operate over the following line segments:

- Cork to Roy - All tracks
- Frazer to MP 40 - All tracks

43-G1. CLOSE EQUIPMENT CLEARANCE: 42ND STREET OVERHEAD BRIDGE

Due to close overhead clearance, the Brown Hoist and Speno Ballast Cleaning Equipment and track sweepers must not be moved on No. 1 track under 42nd St. OH Br.

43-G2. CLOSE CLEARANCE: EMPLOYEES

- 1. Bryn Mawr:** Caution must be exercised at the west end of No. 4 track due to close clearance with partial high level platform.
- 2. Exton:** Caution must be exercised at the west end of No. 4 track and east end of No. 1 track due to close clearance with partial high level platforms.
- 3. Harrisburg:**
 - Caution must be exercised when getting on and off engines at the west end of Nos. 6 and 7 tracks, due to close clearance with train shed roof.
 - Caution must be exercised due to close clearance with water stanchions placed between tracks. Except for No. 4 Track, employees must not ride on the side of equipment on any station track.
 - Employees using passageways under high platforms must exercise caution due to restricted vertical clearance, possible tripping hazards and moving equipment on adjacent tracks.
 - Close clearance exists between No. 1 Main Track and B-C Lead Track of Dock Street Yard, west of Route 83 OH Br, MP 103.4. Employees must not ride on side of equipment in this area.
- 4. Overbrook:** Caution must be exercised on No. 1 and 4 tracks due to ADA ramps installed east and west of the station.

72-G1. TRAIN INSPECTION DETECTORS

Type of Detector	MP Location	Direction of Operation	Tracks(s)	Recorder Location	Notes
RA HB/DED	23.9	East & West	1 & 4	Frazer	1, 2
RA HB/DED	42.3	East & West	1 & 4	Pomeroy	1, 2
RA HB/DED	64.3	East & West	1 & 4	High Steel	1, 2
RA HB/DED	89.7	East & West	1 & 2	Conewago	1

Note 1: SI 72-S1 (page 300) applies.

Note 2: Detectors transmit on Road Radio channel 035-035.

72-G2. CARS WITH 6 AXLES

Private or Business cars which have six axles, must not exceed 100 MPH while passing over wayside hot box detectors.

In accordance with S.I. 34-S4 (page 271), Conductors in charge of trains with one or more of these cars in consist must notify their Engineer in writing of this restriction prior to leaving initial terminal (unless maximum speed for engine is 100 MPH or less).

104-G1. NORMAL POSITION OF SWITCHES AND CROSSOVERS AT SPECIFIED LOCATIONS:

Switch location	Connecting	With	Normal Position is for Movement	Note
Penn Coach Yard	Car Washing Trk	Run Down & No. 37 Trk	Through on Washing Trk	...

104-G2. SWITCHES EQUIPPED WITH ELECTRIC LOCKS

The following switches are equipped with an electric lock. Permission to remove the padlock from the keeper must be obtained from the Dispatcher unless otherwise noted.

Location	Track	Switch	Notes
Downingtown	4	Chester Valley Yard	1
MP 47.2	4	Keen & Son	...
MP 53.6	1	Kinzer Boat	...
MP 55.8	4	Stock Lumber East	...
MP 56.6	4	Stock Lumber West	...
MP 56.7	1	Eby Feed & Fertilizer	...
MP 57.9	4	Gordonville General Delivery	...
MP 64.8	1	High Steel	...
MP 66.8	1	Tail Track	2
Cork	All hand operated switches within Int		...
MP 74.13	1	Kellogg	...
MP 75.29	1	Snavelly Lumber	...
MP 77.79	1	Ebsenshade Feed	...
MP 77.99	2	Patricks	...
MP 78.48	2	Penfield Feed	...
MP 78.8	2	Mount Joy Wire	...
MP 81.01	2	Old Line	...
MP 81.08	1	Florin Feed	...
MP 81.54	2	Florin House	...
MP 83.9	1	Wenger Feed	...
MP 86.7	2	M&M Mars	...
MP 90.2	2	Conewago Ind. Trk.	...
MP 92.3	2	Metropolitan Edison	...
MP 95.2	2	M&H Railroad	...
MP 103.3	1	Dock St. Yard	...

Note 1: Permission must be obtained from the Train Director at Thorn.

Note 2: Electric lock switch on No. 1 trk must be reversed before operation of hand-operated derail on Tail Trk.

132-G1. TRACKS AND SWITCHES OUT OF SERVICE

The tracks and switches listed below are out of service for train movements, except when such movements are personally supervised by an MW Foreman or MW Supervisor, or when movement consists entirely of track cars.

If a remotely controlled switch provides access to an affected track, the Operator or Dispatcher must apply blocking device protection to prevent the accidental routing of trains to that track. If a hand operated switch provides access to an affected track, the last Engineering Department employee to use the switch must spike the switch to prevent its accidental use.

Location	Track/Switch
Penn Coach Yard	Rundown, Car Wash, & Wall tracks
Stiles-Girard	E. J. Track
Overbrook	Dump Siding Trk
Paoli	Fill out Trk
Downs & Barricade at MP 34	No. 2 Track
Cork Int	Plug Track

138-G1. PUBLIC CROSSINGS AT GRADE

Column 1: Apparatus provided to automatically interrupt operation of highway crossing protection, including motion sensing detectors and/or predictors. Rule 138(g)(3) applies.

Column 2: Apparatus provided to interrupt operation of crossing protection manually by manipulation of a lever, plug or push button generally located on the signal control case close to the crossing.

Column 3: Circuitry will automatically interrupt crossing protection when switches, located within the activation circuit of the crossing, are reversed. After protection has been interrupted, trains must not occupy the crossing until the protection has been operating for at least 20 seconds, or if equipped with gates, they are in the horizontal position.

MP	CROSSING	TRACKS	1	2	3	NOTES
77.8	Eby Cheques Rd	1 & 2	...	X	X	...
79.3	New Comers Rd	1 & 2	...	X	X	...

138-G2. MAIBACH PROPANE INDUSTRIAL TRACK AT EBY CHEQUES ROAD, MP 77.8

To avoid hazardous back up of highway traffic across Eby Cheques Road crossing, crews serving the Maibach Propane Industrial Trk (which crosses Eby Cheques Road immediately north of the PH Line) must push button in locked box to manually operate automatic highway warning devices. Before occupying highway crossing, crews must ensure that warning devices are operating and gates are in horizontal position. If manual operation malfunctions, the Train Dispatcher must be contacted for instructions before occupying crossing. Once movement has cleared the crossing, button must be pulled to cancel operation.

242-G1. PAXON: IMPERFECTLY DISPLAYED SIGNALS

The most restrictive indication that can be given by dwarf signal 55W is Restricting. Signal 55W governs westward movements on the SEPTA Maintenance Yard track, and is located 50 feet west of the crossover connecting No. 4 track to the SEPTA Maintenance Yard track.

242-G2. FRAZER: IMPERFECTLY DISPLAYED SIGNALS

The most restrictive indication that can be given by dwarf signals Nos. 55W and 66W is Restricting. Signal 55W governs westward movements on the Storage track, and is located 286 feet east of MP 24. Signal 66W governs westward movement on the East End Yard Lead, and is located 286 feet east of MP 24.

277-G1. ROY: SIGNAL ON LEFT

Home signal governing westward movement on No. 1 track located to the left of No. 1 track.

277-G2. RHEEMS: SIGNALS ON LEFT

Home signal governing eastward movement on No. 2 track located to the left of No. 2 track.

Home signal governing westward movement on No. 1 track located to the left of No. 1 track.

294-G1. SLIDE PROTECTION

Slide detector apparatus is in service between MP 90 and MP 90.2. The slide detector limits are marked by "SP" signs located at MP 89 and MP 91.

Trains operating between MP 89 and MP 91 that receive a cab signal aspect change to Restricting must operate through the slide detector limits prepared to stop short of an obstruction on the track.

Trains with inoperative cab signals and trains governed by DCS Rules (Rule 406 DCS substitution for ABS) must approach the slide detector prepared to stop short of an obstruction, and must not exceed Restricted Speed through the limits of the slide detector.

These restrictions apply to the head end only.

551-G1. TESTING SECTIONS

In addition to those at terminals, located:

Harrisburg-No. 6 tracks.

706-G1. RADIO FREQUENCIES

Radio channel 035-035 is in service between the western limits of Zoo Interlocking and Division Post MP 105.2. Westward trains entering Zoo Interlocking must use channel 054-054 when requesting a radio check from Zoo Interlocking Station (See S.I. 701-S1, page 330), but must change over to channel 035-035 upon departing Zoo Interlocking. A second radio check on channel 035-035 is not required. Eastward trains must change from channel 035-035 to channel 054-054 upon entering Zoo Interlocking, but do not need to make a radio check. (A radio test on one channel indicates that both channels are operative.)

900-G1. DISPATCHERS: ASSIGNED TERRITORIES

DISPATCHER	TERRITORY	Monday through Friday
Section B	Paoli (exclusive) to Division Post MP 105.2	7:30 AM to 11:30 PM
Section C	Zoo to Paoli (inclusive)	7:30 AM to 11:30 PM
	Zoo to Division Post MP 105.2	11:30 PM to 7:30 AM
<i>Weekend Modification—From 7:30 AM Saturday through 7:30 AM Monday:</i>		
Section C	Zoo to Division Post MP 105.2	

940-G1. WESTBOUND HARRISBURG

950-G1. TRAINS

Crews of westbound trains arriving at Harrisburg must contact the Train Director at State for instructions and must not leave train until released by the Train Director.

Note: This instruction does not apply to through trains at Harrisburg.

36TH STREET CONNECTION (36SC)

STATIONS	MP	INT	PS	NOTES
ZOO (ML-New York to Philadelphia) (ML-Philadelphia to Harrisburg) (ML-SEPTA)	0.0	X	...	...
PENN (ML-Philadelphia to Washington) R-CETC 5 TD	0.9	X	...	...
The direction from Zoo to Penn is eastward. Note: The 36th St. Connection extends from the connection with the PH Line at Zoo to the connection with the PW Line at Penn.				

240-C1. SIGNAL RULES and CURRENT OF TRAFFIC

Int. indicates interlocking rules in effect.

Location	Tracks from North to South		Notes
	No. 4	No. 1	
Zoo (Connection with PH Line) and Penn (Connection with PW Line)	Int	Int	1
Note 1: CSS Rules in effect for westward movements on No. 4 track, and for eastward movements on No. 1 track.			

37-C1. PASSENGER TRAINS and FREIGHT TRAINS MAXIMUM SPEEDS and SPEED RESTRICTIONS, UNLESS OTHERWISE RESTRICTED

PASSENGER TRAIN SPEEDS		
Between/At	Tracks	
	No. 4	No. 1
Zoo (Connection with PH Line) and Penn (Connection with PW Line)	30	30
FREIGHT TRAIN SPEEDS		
Between/At	Tracks	
	No. 4	No. 1
Zoo (Connection with PH Line) and Penn (Connection with PW Line)	10	10

40-C1. ENGINE AND EQUIPMENT RESTRICTIONS

The numbers shown in the columns to the right of each listed location specify the maximum dimension engines and equipment that may be operated. Engine and equipment dimension specifications are assigned in S.I. 37-S5 (page 279) for equipment authorized to operate on the NEC.

Notes shown in parentheses in the location column are defined at the end of the table.

Location	Tracks		
	1	4	Other
Zoo & Penn	5	5	5

43-C1. CLOSE CLEARANCE

Due to close clearance between tracks, crew members must request protection from the CETC 5 TD before riding the side of a material handling car to direct a shoving move southward from the 36th St. Connection to 30th St. Station. Crew members must notify the CETC 5 TD when the movement has been completed.

900-C1. DISPATCHERS: ASSIGNED TERRITORIES

DISPATCHER	TERRITORY
CETC-5	Penn
Section C	Zoo

LEHIGH LINE CONNECTION (LLC)

STATIONS		MP	INT	PS	NOTES
HUNTER	R-Section B TD (ML-New York to Philadelphia)	0.0	X	...	...
HIGH	R-Section B TD	0.3	X	...	1
DIVISION POST	(CRC)	0.6	...	...	1, 2
NK	(Lehigh Line - CRC)	11.4	X	...	3
The direction from Hunter to NK is westward.					
Note 1: Mile Post distances are measured from Hunter.					
Note 2: Division Post between Amtrak and CR located at eastward limit NK.					
Note 3: Conrail MP designation.					

240-L1. SIGNAL RULES and CURRENT OF TRAFFIC

Int. indicates interlocking rules in effect.

Location	Tracks from South to North		Notes
	No. 7	No. 6	
Hunter & High	Int	Int	1
High & NK	...	Int	2
Note 1: CSS Rules in effect for movements in both directions.			
Note 2: CSS Rules in effect for westward movements only.			

37-L1. PASSENGER TRAINS and FREIGHT TRAINS MAXIMUM SPEEDS and SPEED RESTRICTIONS, UNLESS OTHERWISE RESTRICTED

PASSENGER TRAIN SPEEDS		
Between/At	Tracks	
	No. 7	No. 6
Hunter & High	30	45
High & NK	...	45
FREIGHT TRAIN SPEEDS		
Between/At	Tracks	
	No. 7	No. 6
Hunter & High	10	10
High & NK	...	10

40-L1. ENGINE AND EQUIPMENT RESTRICTIONS

The numbers shown in the columns to the right of each listed location specify the maximum dimension engines and equipment that may be operated. Engine and equipment dimension specifications are assigned in S.I. 37-S5 (page 279) for equipment authorized to operate on the NEC.

Notes shown in parentheses in the location column are defined at the end of the table.

Location	Tracks		
	7	6	Other
Hunter & NK	5	5	...

900-L1. DISPATCHERS: ASSIGNED TERRITORIES

DISPATCHER	TERRITORY
Section B	Hunter (inclusive) to NK (exclusive)

A-S1. COMMUTER TRAIN SCHEDULES

Trains of the following agencies will be governed by their public schedule while operating over Amtrak territory: CDOT, MARC, MBTA, NJT, SEPTA and VRE. Trains governed by the MARC Penn Line public schedule may depart Washington a minute later than the scheduled leaving time, if required by station work. Employees whose duties are affected by these trains must have a copy of the applicable public schedules in their possession while on duty.

A-S2. SAFETY INSTRUCTIONS

Train & Engine service employees, Mechanical Department employees, and Dispatchers & Operators are required to know the Safety Instruction of the day, including its meaning, intent and application. Conductors and Engineers will ensure that other members of their crew know and fully understand the instruction.

Train and Engine Service employees of other railroads will be governed by the home railroad Safety Rules.

A-S3. AIR BRAKE INSTRUCTIONS

Train and Engine Service employees of other Railroads will be governed by their home railroad air brake and train handling instructions, except as modified by AMTRAK Special Instruction.

A-S4. BOOKS IN EFFECT

The following books are in effect:

- ▶ NORAC Operating Rules, Tenth Edition, effective November 6, 2011. (Applies to all employees)
- ▶ Electrical Operating Instructions (AMT-2), revised and reissued November 15, 2005. (Applies to **all** employees who work in Amtrak electrified territory)
- ▶ Standards of Excellence (NRPC 2525), issued January 1, 1995. (Applies to all Amtrak employees.)
- ▶ Air Brake and Train Handling Instructions (AMT-3), revised & reissued January 28, 2013. (Applies to Amtrak Train & Engine Service and Mechanical Employees)
- ▶ Special Instructions Governing Operation of Signals and Interlockings (AMT-4), effective August 3, 1980, revised and reissued June 1, 2004. (Applies to Amtrak Dispatchers and Operators)
- ▶ NEC Train Dispatcher's Manual of Instructions, System, Boston, New York & Mid-Atlantic Office Sections reissued October 15, 2006. System section revised December 28, 2009; Boston Office section revised July 21, 2008; Mid-Atlantic Office section revised March 1, 2012. (Applies to Amtrak Dispatchers)
- ▶ Safety Instructions for Transportation Employees On Or About Locomotives, Cars or Equipment (AMT-5), issued January 5, 2009. (Applies to Amtrak Train & Engine Service employees, Dispatchers, Operators and Yardmasters)
- ▶ Safety Rules & Instructions for Amtrak Maintenance of Equipment Employees (NRPC-1905), effective January 1, 2009. (Applies to Amtrak Mechanical employees)
- ▶ Roadway Worker Protection Manual, revised Jan. 1, 2010. (Applies to Roadway Workers & Conductor Flagmen responsible for their protection)
- ▶ Service Standards for Train Service & On-Board Service Employees, Manual No. 8, effective 12:01 AM, April 30, 2014. (Applies to Amtrak Train Service & OBS Employees)
- ▶ Amtrak System General Road Foreman Notices, issued January 1, 2014. (Applies to Amtrak Engine Service Employees)
- ▶ Acela Quick Reference Handbook – Anomaly & Emergency Checklists, Version 1, issued January 16, 2012. (Applies to Amtrak Train and Engine service employees who operate HST equipment)

A-S4. (Cont'd)

- ▶ United States Hazardous Materials Instructions for Rail, HM-1, effective January 4, 2011 (Applies to employees involved in movement of Hazardous Materials) (CR/NS HM-1, effective April 1, 2009 applies to Conrail and Norfolk Southern employees involved in movement of Hazardous Materials)
- ▶ Northeast Corridor Employee Timetable Appendix A, "Emergency Procedures for North River, East River and Empire Tunnels." (Applies to all employees who operate through these tunnels)

B-S1. GOOD FAITH CHALLENGE

This instruction is intended to provide a mechanism for an employee to appeal, if the employee believes in good faith that a supervisor's instructions will cause the employee to violate one or more of the operating procedures governed by Federal Regulation 49CFR218 Subpart F, which pertains to shoving movements, leaving equipment in the foul of an adjacent track, and handling of hand-operated switches & fixed derails.

1. Right to Challenge

Federal Regulations have provisions that allow an employee the right to challenge a directive which, based upon the employee's good faith determination, would violate a railroad operating rule or special instruction relating to:

- Shoving movements,
- Leaving equipment in the foul of an adjacent track,

or

- Handling of hand-operated switches or fixed derails.

These Federal Regulations are not intended to abridge any rights or remedies available to the employee under collective bargaining agreements or Federal law.

2. Good Faith Challenge Procedure

a. An employee may inform a supervisor issuing a directive that a good faith determination has been made that the directive would violate a railroad operating rule or special instruction relating:

- Shoving movements,
- Leaving equipment in the foul of an adjacent track,

or

- Handling of hand-operated switches or fixed derails.

When informing the supervisor of their belief that the directive would result in a violation, the employee must clearly explain how the directive will cause a violation.

b. The supervisor will not require the employee to comply with the directive until the challenge is resolved. However, the supervisor may:

- Require the challenging employee to perform other tasks not related to the challenge until the challenge is resolved,

or

- Direct an employee, other than the challenging employee, to perform the challenged task before the challenge is resolved. Employee so directed will be informed of the challenge, and determine that the challenged task does not violate the rules.

3. Resolving the Good Faith Challenge

a. A challenge may be resolved by one of the following:

- The supervisor's acceptance of the employee's request,
- The employee's acceptance of the supervisor's directive,
- The employee's agreement to a compromise solution acceptable to the person issuing the directive.

b. If the challenge cannot be resolved because the supervisor issuing the directive has determined that the employee's challenge has not been made in good faith, or there is no alternative to the direct order, the railroad will:

- Provide immediate review by at least one manager, which must not be conducted by the supervisor issuing the challenged directive or that supervisor's subordinate,

B-S1. (Cont'd)

- Resolve the challenge using the same options available for resolving the challenge as the initial supervisor.
- c. If the manager making the final decision concludes that the challenged directive would not cause the employee to violate any requirement of the involved rules, the reviewing manager's decision shall be final and not subject to further immediate review.
 - The manager will inform the employee that Federal law may protect the employee from retaliation, if the employee's refusal to do the work is a lawful, good faith act.
 - The employee making the challenge will be afforded an opportunity to document, in writing or electronically, any protest to the manager making the final decision before the employee's tour of duty is complete. The employee will be afforded the opportunity to retain a copy of the protest.

4. Request for Review and Verification of Decision

Upon written request, at the time of the challenge, the employee has the right for further review by the Senior Director - System Operating Practices. Within 30 days after the expiration of the month during which the challenge occurred, the Senior Director - System Operating Practices will verify the proper application of the rule in question. The verification decision shall be made in writing to the employee.

B-S2. CONFIDENTIAL CLOSE CALL REPORT SYSTEM (C³RS)

Amtrak has entered into a partnership with the Federal Railroad Administration (FRA), the Brotherhood of Locomotive Engineers and Trainmen (BLET) and the Sheet Metal, Air, Rail & Transportation Workers (SMART), the National Aeronautics and Space Administration (NASA), and the USDOT Volpe Center to implement a confidential close call reporting system as defined in the "Implementing Memorandum of Understanding" (C³RS/IMOU) finalized on May 11, 2010, and amended September 1, 2013.

A "close call" can be defined as a situation or incident that has the potential for more serious consequences. Personal injuries and/or train accidents of any kind do not fall into the category of a close call, and will continue to be reported and handled in accordance with the current or subsequent revisions to Amtrak rules and FRA regulations.

The confidential reporting system provides an environment in which railroad employees can voluntarily report close calls without fear of discipline or punishment.

A. Reporting a Close Call

NASA has developed a close call report form that requests information about the date, time, location, contributing factors, actions taken, and potential consequences of an event, along with any other information necessary to fully describe the event or perceived safety problem.

NASA C³RS forms are available at Amtrak sign-up locations, and a PDF version of the form can be downloaded from the C³RS website at <http://c3rs.arc.nasa.gov>, and then printed. The employee must complete the paper or printed PDF report form, and submit it in accordance with the instructions on the form. NASA will provide a receipt for the written close call report as proof of an accepted report. Additionally, employees will be able to use the Electronic Report Submission (ERS) function of the C³RS website to submit a close call report electronically.

The printed C³RS form should be mailed to NASA, or the Electronic Report Submission (ERS) function should be executed, within three calendar days from the date of the incident, not counting weekends and Federal Holidays.

After collecting information on a close call event, NASA removes all information that might lead to the identity of:

- The person who filed the report.
- Employees referred to in the report.
- Any information that would allow any employee to be identified.

B-S2. (Cont'd)

B. Events Covered by Close Call Reporting

- Events that occur but have low consequences such as a run-through trailing point yard switch that does not result in a train accident, unsecured equipment, etc.
- Events involving damage or derailment **below** the FRA monetary reporting threshold* that do not involve an injury.
- Events that have the potential for high consequence such as speeding.

C. Events NOT Covered by Close Call Reporting

- Events wherein the employee's action or lack of action was intended to damage Amtrak or another entity's operations or equipment or to injure other individuals, or the employee's action or lack of action purposely places others in danger.
- Events wherein the employee's action or lack of action involved a criminal offense.
- Events wherein the employee's behavior involved substance abuse or inappropriate use of controlled substances.
- Events wherein the report is rejected because it is not safety related or it is incomplete.
- Events involving damage or derailment **above** the FRA monetary reporting threshold*.
- Events that caused or are alleged to have caused any injury, illness or medical treatment of any kind to any person involved in the event.
- Events that result in an identifiable release of a hazardous material.
- Events which were a real-time observations made by an FRA-certified inspector or railroad employee, and were reported to and verified by Amtrak management, except as provided for below:

Reporting a Close Call Involving Damage Below the FRA Monetary Reporting Threshold, or Witronics Alert

The following additional criteria are required for an event involving damage that is below the FRA monetary reporting threshold and/or on-board electronic train monitoring devices (Witronics) to be considered a close call:

1. The employee must provide notification of the event to an appropriate AMTRAK officer (e.g, a Yardmaster or Assistant Chief Train Dispatcher) prior to filing a C³RS report without undue delay;
2. The C³RS written report shall be completed and mailed to NASA within three calendar days from the date of the incident, not counting weekends and Federal Holidays.
3. The event must not result in damage or derailment that is above the FRA monetary reporting threshold*; and
4. The event must not cause, nor be alleged to have caused, an injury, illness, or medical treatment of any kind to any person.
NASA will provide a receipt for the written close call report as proof of an accepted report. The employee must allow AMTRAK to review the receipt, when requested.

D. Locations and Employees Covered by Close Call Reporting on the Amtrak System

The provisions of the C³RS/IMOU will apply to Amtrak T&E Employees working on the Amtrak System which consists of all trackage owned or controlled by Amtrak when covered by the BLET and SMART signatures of agreement on the C³RS/IMOU.

In addition, the provisions of the C³RS/IMOU will apply to all NJ Transit T&E employees working in Sunnyside Yard, Long Island City, NY.

* "Train Accident Reporting Threshold" as defined in 49 CFR Part 225

C-S1. NOTICE OF BLOCK TRAINING ATTENDANCE

Amtrak Transportation employees will be assigned to attend specific Block Training sessions for annual training. Names of employees selected for training will be published in Notices or General Notices in the month preceding their scheduled session. Attendance in the assigned class is mandatory. Selected employees must contact their supervisor to obtain travel and hotel accommodation information, when necessary. Authority to stay over at a hotel must be pre-approved through your supervisor. Train & Engine and On-Board Services employees will be automatically marked off by Crew Management to attend their Block Training session. All other employees should mark off through their normal processes. **Employees are required to mark up for duty upon return to their crew base immediately following the completion of their class.** Employees who have a conflict with their scheduled session date must contact their supervisor sufficiently in advance of the session for a change in assignment.

Employees are personally responsible for ensuring that they attend an annual Block Training session by the end of the calendar year.

C-S2. AMTRAK EMPLOYEES

In the application of NORAC Rule C, all Amtrak employees taking an Operating Rules examination must obtain a score of at least 88% to pass.

The 30-day grace period Specified in Rule C does not apply to Amtrak Train & Engine service employees, Train Dispatchers, and Block Operators. If an Amtrak employee in one of these crafts should fail to pass the annual NORAC Operating Rules examination on the first attempt, they must not perform service until they pass the examination.

Amtrak Train & Engine service employees must be prepared to take an annual signal examination covering any of the territory on which they are qualified. If an Amtrak T&E employee should fail to pass a signal examination with a score of 100%, they must not perform service until they pass the examination.

C-S3. OPERATING RULES QUALIFICATION

1. Employees in the following categories must be initially qualified on Operating Rules, and must be re-qualified annually:

- a. Train Dispatchers, Assistant Chief Dispatchers, and Block Operators
- b. Train & Engine Service employees, and Yardmasters
- c. Employees who move or assist in the movement of trains or engines
- d. Employees who request foul time or take tracks out of service for maintenance
- e. Employees who operate track cars
- f. C&S Maintainers
- g. Supervisors and Managers who directly supervise any of the above employees

2. For Engineering Department employees (“d”, “e” & “f” above), there are three NORAC Operating Rules qualification levels:

- a. **Class A Test** - Authorizes drivers to operate Specialized MW equipment (equipment that reliably shunts track circuits; see S.I. 803-S1, page 336) under the operating rules and physical characteristics qualifications that apply to freight trains, instead of the operating rules that apply to track cars.
- b. **Class B Test** - Authorizes employees to take tracks out of service for maintenance and to move or pilot track cars when properly qualified on physical characteristics.
- c. **Class C Test** - Authorizes employees to obtain foul time when properly qualified on physical characteristics.

3. Employees returning to duty after an absence from railroad service of 6 months or more must take the following actions before performing service that requires Operating Rules qualification:

After an Absence of:	Employee Must:
6 to 12 months	Attend and pass an annual Operating Rules re-qualification class.
Over 12 months	Attend and pass a special Operating Rules re-qualification class, as determined by Operating Practices Department.

C-S4. PHYSICAL CHARACTERISTICS QUALIFICATION — CONDUCTORS AND ENGINEERS

Conductors and Engineers must be qualified on the physical characteristics of the portion(s) of railroad over which they are to operate. Employees promoted to Engineer must qualify on the physical characteristics *specific to Engineers*, for the territory over which they will operate.

Remaining Qualified: To remain qualified while continuously employed in railroad service, an employee must have worked at least one trip in train or engine service during the previous 12 months, whether or not in the capacity of a Conductor or Engineer. Employees who are unable to work a trip in train or engine service may be authorized to make a special trip over portion(s) of the railroad to retain their qualifications. A Temporary Train Authorization Permit (form NRPC 2889) may be obtained from the General Manager or his designated representative.

The Temporary Train Authorization Permit (NRPC 2889) indicating the portion of the railroad over which the special trip was made, and validated by the Conductor or Engineer with whom the trip was made, must be presented to the designated officer, who will record the date in the employee's record of qualification file.

Employees who extend their qualification in this manner are prohibited from doing so two consecutive times. Engineers who extend their qualification in this manner must operate the train over the territory involved.

Any train or engine service employee who exceeds the time limits required to remain qualified as herein set forth must be re-examined by the proper officer before performing service as a Conductor or Engineer over the territory involved.

Returning to Duty: Employees returning to duty after an absence from railroad service of 30 days or more must take the following actions before working as a Conductor or Engineer:

After an Absence of:	Employee Must:
30 days to 6 months	Contact the Operating Practices Department or a qualified Supervisor to determine what physical characteristics changes were made during the absence.
6 to 12 months	Same contact as above, plus make a head end ride over territory.
Over 12 months	Re-qualify on the territory.

Transferring From Another Railroad or Craft: Employees transferring to Amtrak Conductor or Engineer service from another railroad or craft who were previously qualified on the physical characteristics of Amtrak territory, must re-qualify on the physical characteristics of the territory over which they are to operate.

C-S5. QUALIFICATIONS FOR AMTRAK T&E EMPLOYEES TRANSFERRING TO DIFFERENT CREW BASE OR ROUTE

Amtrak Conductors, Engineers and Assistant Conductors transferring to a different crew base or route must not perform service without first having all Operating Rules and physical characteristics qualifications required for their territory and job assignment. Employees intending to transfer must contact the Operating Practices office to inquire about qualification requirements and the schedule of training classes.

To initially qualify on a new Operating Rule book, Assistant Conductors must attend training and pass an initial qualification examination. Promoted Conductors and Engineers not previously qualified to work as Conductor or Engineer under the Operating Rule book in effect on the new crew base or route must attend training and demonstrate their knowledge by passing an examination for Conductor or Engineer promotion, respectively. Employees will retain their original promotion date, as this examination is for qualification purposes, not promotion.

Operating Rules qualifications granted for operation in limited territory, such as a terminal, are not valid outside of the specified territory.

Only employees qualified on Operating Rules may qualify on physical characteristics.

C-S6. PHYSICAL CHARACTERISTICS QUALIFICATION FOR ENGINEERING DEPARTMENT EMPLOYEES

Engineering Department employees who are qualified on physical characteristics must re-qualify every year, by the end of the calendar quarter in which their birthday occurs.

Note: Employees may re-qualify as early in the calendar year as they wish, and are encouraged to do so.

If your birthday occurs in:	You must re-qualify by:
January, February or March	March 31
April, May or June	June 30
July, August or September	September 30
October, November or December	December 31

Returning to Duty: Engineering Department employees returning to duty after an absence from railroad service of 30 days or more must take the following actions before working in a capacity that requires physical characteristics territory qualification:

After an Absence of:	Employee Must:
30 days to 6 months	Contact the Operating Practices Department or a qualified Supervisor to determine what physical characteristics changes were made during their absence.
6 to 12 months	Same contact as above, plus make a head end ride over territory.
Over 12 months	Re-qualify on the territory.

C-S7. EMERGENCY PREPAREDNESS TRAINING

Amtrak Engineers, Conductors, Assistant Conductors and Train Dispatching personnel must complete Emergency Preparedness training during new hire training classes, and during the Block Training classes in which Emergency Preparedness refresher training is included every two years. This federally mandated training describes various emergency situations and the appropriate actions to be taken if an emergency occurs. Employees who do not complete the refresher class prior to the end of the two year period will not be permitted to perform service until they complete Emergency Preparedness training. Example: If an employee attended an Emergency Preparedness training class on July 8, 2011, they must attend a refresher class before December 31, 2013.

Employees needing Emergency Preparedness training must contact their supervisor in advance to allow sufficient time for class scheduling.

E-S1. POSSESSION OF FIREARMS

Employees are prohibited, unless authorized by Amtrak, from having firearms in their possession while on duty or on company property.

F-S1. PASSENGER TRAIN EMERGENCY SITUATIONS

The Dispatcher must be notified of any emergency related to the operation of passenger train service involving a significant threat to the safety or health of one or more persons requiring immediate action, including:

- ▶ A derailment
- ▶ A fatality at a grade crossing
- ▶ A passenger or employee fatality
- ▶ A serious illness or injury to one or more passengers or crew members requiring admission to a hospital
- ▶ An evacuation of a passenger train
- ▶ A security situation (e.g., a bomb threat)

A crew member shall quickly and accurately assess the situation and then notify the Dispatcher as soon as possible by the quickest available means. As appropriate, the crew member shall inform the passengers about the nature of the emergency and indicate what corrective countermeasures are in progress.

F-S2. HOST RAILROAD AND AMTRAK JOINT SECURITY PROCEDURES

Upon confirmation of a detonation of an explosive device on or at one of the following specified areas these procedures will be implemented:

- ▶ An Amtrak Train
- ▶ An Amtrak Station
- ▶ Any Railroad Infrastructures (Bridges, Tunnels) that passenger trains would operate over or through
- ▶ Any other U.S. rail operations (freight, commuter, subway)

These procedures can also be initiated if an imminent/confirmed threat has been determined based on credible information.

Notification

If an event, specific to an explosive device (i.e. detonation, discovery), occurs on-board an Amtrak train, the train crew will notify the dispatcher in the following manner:

“Emergency, Emergency, Emergency”, Train # ____, (describe event).

Upon notification, the Train Dispatcher will repeat the emergency transmission to ensure all trains are notified and then attempt to obtain further information regarding the situation. The Train Dispatcher must then ensure the appropriate notifications are made to CNOC (800-424-0217) and the Amtrak National Communications Center (NCC) (800-331-0008).

Response

Unless otherwise directed by the Train Dispatcher, passenger trains hearing this emergency transmission must bring their train to a safe stop clear of passenger stations, tunnels, and bridges. Trains stopped at a passenger station, tunnel, or bridge at the time of the report must be dispatched clear of these structures as soon as possible.

Once a train is stopped clear of the above structures it must remain at that location until directed to proceed by the Train Dispatcher.

- ▶ When a train is stopped, crew members **will not** initiate an evacuation unless instructed by or coordinated with the Train Dispatcher, or the Conductor or any other crew member ascertains that a clear and present danger exists regarding an on-board threat or situation.
- ▶ If any evacuation of a passenger train occurs, the Train Dispatcher **must be notified immediately**.
- ▶ If directed to proceed by the train dispatcher, the En Route Train Inspection procedures will apply or if standing, the **Standing Train Inspection** procedures will apply.

En Route Train Inspection

Upon the implementation of the En Route Train Inspection procedures, the operating crews must take the following actions for all en route passenger trains including any special instructions from the Train Dispatcher:

F-S2. (Cont'd)

1. Make the following announcement: *“On-Board Incidents with a Police Response Announcement”* from *“Service Standards for Train Service and On-Board Service Employees”* Chapter 10 - *“On-Board Announcements & Signage”* which reads: *“Ladies and gentlemen, we will be delayed [if not stopped, provide location where train will stop] due to police activity. At this time, we do not have an estimate for the length of this delay. We ask you to remain in your seats and please be prepared to identify your baggage and provide photo identification if requested. We apologize for any inconvenience and thank you for your patience.”*
2. The Conductor must make a public address announcement to **all** on-board employees that their **“immediate assistance”** is required at this time including the designated meeting location on the train.
3. The Conductor will conduct a Job Briefing with all Train and On-Board Service employees to review the Host Railroad and Amtrak Joint Security Procedures and any instructions from the Train Dispatcher.
4. The Conductors will be in charge and have authority over all Train and On-Board Service employees. All employees (i.e. Chef, LSA's, SA's, TA's and AC's) must follow the Conductor's instructions; this is not discretionary.
5. The Conductor will assume the responsibility for simultaneously coordinating multiple inspections of equipment as follows:
 - ▶ The Train and On-Board Service employees will perform an interior inspection checking all restrooms, electrical lockers, overhead luggage racks and storage compartments for any unusual items. All findings must be reported to the Conductor.
 - ▶ Once the equipment has been inspected and cleared, Train and On-Board Service employees will go car-to-car matching luggage and personal belongings to the proper passenger while checking for proper photo identification. All findings must be reported to the Conductor.
 - ▶ In the event that crew members can not match carry-on items (unclaimed) or a suspicious package or device is found, all crew members and passengers will be required to move two (2) car lengths away from the package or suspected device and ensure that all bulkhead doors are closed and secured. No attempt should be made to touch the package or suspected device. As soon as all passengers and crew members are safely positioned away from the package or suspected device, the Conductor will immediately contact the Train Dispatcher with a description and location of the package or suspected device along with the car numbers of evacuated equipment.
 - ▶ In the event a passenger(s) cannot produce photo identification when requested, the crew should try to ascertain the name(s), date of birth and any other relevant information about the passenger(s). The information regarding passenger(s) without photo identification will be relayed to the Conductor who will inform the Amtrak National Communications Center (NCC) at 800-331-0008 of the situation and wait for further instructions.
 - ▶ The Train Crew should prepare for a possible evacuation of the entire train if instructed by the Train Dispatcher.

Standing Train Inspection

Upon the implementation of the Standing Train Inspection procedures, operating crews must take the following actions for all trains that are stopped, or will be stopping.

The Conductor will coordinate all instructions covered in the Inspection of En Route Trains section in addition to the following:

- ▶ The Locomotive Engineer will perform an interior and exterior inspection of the locomotive(s) looking for anything unusual. All findings must be reported to the Conductor. At the completion of the locomotive inspections, the Engineer should return and remain on the head-end of the locomotive.

F-S2. (Cont'd)

- ▶ The Conductor will perform or designate a Train Service employee to perform an exterior inspection of the entire train looking for anything unusual or out-of-place. *(If a designated Train Service Employee is used, they will report the findings back to the Conductor.)*
- ▶ If an immediate emergency evacuation is needed, make the following announcement: *“Train Evacuation Where Baggage Must Be Left on Train Announcement”* from *“Service Standards for Train Service and On-Board Service Employees”* Chapter 10 - *“On-Board Announcements & Signage”* which reads: *“Ladies and gentlemen thank you for your patience and cooperation. Due to the nature of the police activity, please leave your baggage on board the train and exit the train immediately as directed by a member of the crew. Passengers on required medications are asked to retrieve them at this time and exit the train in an orderly fashion. We will provide you with more information as soon as possible. Thank you for your assistance.”*
- ▶ If an evacuation is needed that is not an immediate emergency, make the following announcement: *“Train Evacuation Where Baggage May be Retained by Passengers Announcement”* from *“Service Standards Manual”* Chapter 10 - *“On-Board Announcements & Signage”* which reads: *“Ladies and gentlemen, due to the nature of the police activity, we ask that you gather all of your possessions and exit the train in an orderly fashion as directed by a member of the crew. We will provide you with more information as soon as possible. Thank you for your assistance.”*

G-S1. ALCOHOL AND DRUG TESTING

Any employee on duty, or reporting for duty, who is tested by breath or urine sample will be in violation of Rule G if:

- the initial breath test and confirmation breath test are positive: or,
- the urine screen test is positive and the confirmation test is positive for the presence of narcotics, sedatives, stimulants, hallucinogens, intoxicants or a derivative or combination of any of these, or any controlled substance or any mood altering substances.

Further, you may be required to provide a blood sample in the case of certain accidents and incidents subject to Federal post-accident testing requirements.

If you refuse to cooperate in providing a blood or urine sample following an accident (as specified in 49 CFR Part 219 Subpart C, you shall be removed from service, are subject to dismissal, and may not under any circumstances be employed in a position covered by the Hours of Service Act for a period of at least nine (9) months. A blood test that is positive for the presence of narcotics, sedatives, stimulants, hallucinogens, intoxicants or a derivative or combination of any of these, or any controlled substance or any mood altering substances will constitute a violation of Rule G.

G-S2. OPERATION REDBLOCK



OPERATION REDBLOCK is a labor developed, company-adopted drug and alcohol prevention and intervention program. The program emphasizes ***AWARENESS, PREVENTION AND EDUCATION.***

HISTORY:

Operation Redblock was started in 1983 on the Union Pacific Railroad by the United Transportation Union and the Brotherhood of Locomotive Engineers based on the idea that employees have the right to a drug and alcohol free work environment.

G-S2. (Cont'd)

GOALS:

- TO PROMOTE** a drug and alcohol free workplace;
- TO PREVENT** employees from reporting to work under the influence;
- TO PREVENT** substance abuse while on the job;
- TO SAVE LIVES AND JOBS** in the most humanistic way;
- TO OUTREACH** into the community.

PROCESS:

Union-led voluntary prevention committees form the basis of **OPERATION REDBLOCK**. Peer teams heighten co-workers' awareness of the dangers of drug and alcohol in the workplace through educational and promotional activities. Another main function of the peer teams is to perform confidential interventions of workplace abuse, and make referrals to **EMPLOYEE ASSISTANCE COUNSELORS** for professional assistance. Through the process, management and labor cooperate to support the peer teams' initiatives and Confidentiality.

BENEFITS:

- ◆ Reduced drug and alcohol use and abuse in the workplace.
- ◆ Changed worker attitudes toward drug and alcohol use in the workplace.
- ◆ Improved safety performance.
- ◆ Improved Labor and Management relations.
- ◆ Reduced discipline and cost of discipline.

SUMMARY:

OPERATION REDBLOCK is an innovative idea that combines traditional values of union fraternalism with progressive management to enable people to help people. Workers with substance abuse problems are confronted confidentially by co-workers and are **REHABILITATED—NOT PUNISHED, NOT FIRED, NOT FORGOTTEN.**

PROCEDURES FOR EMPLOYEES:

The following procedures are approved and supported by Amtrak:

1. If an employee is impaired because of the use of drugs or alcohol and cannot report for duty, he/she should call **1-800-44R-BLOC** and mark him/herself off as "**Operation Redblock.**"
2. Once on the job, if an employee is observed as being unfit for duty, co-workers should tell the employee that he/she should not work and should mark-off as "**Operation Redblock.**"
3. If the impaired worker places the call or requests a co-worker to mark him/her off, the reason should be given as an "**Operation Redblock**" procedure. No further action will be taken by Amtrak.
4. Should the impaired employee be uncooperative, the co-workers may use the Rule G Bypass Agreement and request help from the appropriate supervisor. The supervisor will then assist in removing the impaired employee and in getting him/her home. No Rule G charges will be made if the impaired co-worker contacts the Employee Assistance Program counselor within five days. Rule G Bypass is afforded to the employee only once.

These procedures were created for the common welfare of our employees, and to provide a safe workplace. Abuse of these procedures cannot be tolerated.

**FOR MARK-OFF ONLY, CALL
1-800-44R-BLOC.
FOR INFORMATION, CALL
(215) 349-2822, (ATS) 728-2822**

L-S1. AUTHORITY TO BOARD AND RIDE TRAINS

In the application of Rule L, authority to board and ride trains on the Northeast Corridor is granted as follows:

(1) Authorization

Only authorized persons are permitted to ride Amtrak locomotives and/or trains without transportation. Persons required to qualify on the physical characteristics or perform services and/or inspections must have in their possession at least one type of authorization as listed below. Each person authorized to board Amtrak locomotives and/or trains to qualify on the physical characteristics or perform services and/or inspections must identify themselves to the Engineer or Conductor and show proper credentials and authorization. Inspectors should also identify themselves to any official present. Whenever traveling for non-business purposes, inspectors must purchase proper transportation.

(2) Types of Authorization:

A. Amtrak Head End and Train Authorization Permit - Photo ID authorizes bearer to ride head end or body of train to learn physical characteristics or perform services and/or inspections.

B. Amtrak Train Inspection Permit - Photo ID authorizes bearer to ride body of train (*not head end*) to perform services and/or inspections.

C. Amtrak Temporary Train Authorization Permit (NRPC 2889 02/04) - Authorizes bearer to ride head end or body of train to learn physical characteristics, or perform services and/or inspections. Permit must indicate whether "Head End and Train" or "Train Only".

D. Amtrak Police Identification -

1. System Wide - With a photograph, authorizes Amtrak Police Officers to board and ride head end or body of all Amtrak trains.

2. Amtrak Property - With a photograph, authorizes Amtrak Police Officers to board and ride head end or body of all trains operating on Amtrak property (Northeast Corridor, Chicago Terminal, etc.).

E. Photo ID of Individual Working for a Municipal, State or Federal Regulatory Agency - Authorizes inspectors and employees of such agencies to ride head end or body of Amtrak trains to perform services and/or inspections.

F. Valid Head End Permit from Other Railroads/ Transportation Authority (On Amtrak property between Washington, DC and Boston, MA) - Authorizes bearer to ride head end to perform services and/or inspections on passenger trains other than those in Amtrak service. When doing so they must comply with all Amtrak rules, procedures and instructions.

G. Valid Head End Permit from Other Railroads/ Transportation Authority (On other than Amtrak property between Washington, DC and Boston, MA) - Authorizes bearer to ride head end to perform services and/or inspections.

(3) Head End Occupancy with Student Engineer Present

Only persons in the following categories may occupy the operating cab of a train while a Student Engineer is operating the train:

A. A member of the assigned Train and Engine crew (Engineer, Second Engineer, Assistant Conductor, Conductor). Train crew members may occupy the Head End only in the performance of their duties. When a Student Engineer is on the Head End, train crew members must not occupy the Head End for the purposes of qualifying on the physical characteristics.

B. An FRA/State Inspector performing an inspection.

C. A Designated Supervisor of Locomotive Engineers evaluating a Student Engineer or assigned Engineer.

If an emergency occurs that requires a person not in one of the above categories to ride in the operating cab while a Student Engineer is in training, the Student Engineer must not be permitted to operate the train.

L-S1. (Cont'd)

(4) Number of people in Cab

No more than four people, including the operating crew, are permitted to ride in the operating cab or compartment of any locomotive, control car or multiple unit train. Exceptions to this policy are permitted when authorized specifically by the System General Road Foreman's Office for situations such as testing, special trains and unusual operating conditions.

(5) Employees in Cab

Employees are permitted to ride the head end only in the performance of their duties. They must at all times remain vigilant for signals and conditions ahead and must not interfere with the Engineer's vigilance.

Any person **not** qualified on **any** operating rules must not occupy the head end without being accompanied by a qualified supervisor.

Deadheading employees are prohibited from riding in the operating cab of trains.

A. Prior to boarding locomotive, the authorized rider must:

1. Identify himself/herself to the Engineer. The Engineer will inform the Conductor of his/her presence in the cab.
2. Present the Head End Authorization for inspection.
3. State the purpose of riding.
4. State qualifications (i.e. Operating Rules, Physical Characteristics).

B. While in the operating cab, the authorized rider must:

1. Not distract the engineer from the performance of his/her duties. There must be no unnecessary conversation.
2. Wear safety glasses and proper footwear.
3. If qualified on the Operating Rules, call signals affecting the movement of the train.
4. If qualified on Physical Characteristics, remind the Engineer of temporary restrictions when required by Operating Rules or Special Instructions.

L-S2. AMTRAK EMPLOYEE PHOTO IDENTIFICATION

All Amtrak employees are required to wear proper photo identification above the waist on their outermost garment, so that it is visible at all times while on Amtrak property. Individuals without proper identification must be promptly reported to the proper authorities.

M-S1. SUNGLASSES

Employees must not wear sunglasses at night, or under other low light conditions.

Q-S1. PAPERLESS TIME TICKET (PTT) SYSTEM

1. Certifying Hours of Service Information: The Hours of Service law requires governed employees to certify their hours of service information. At locations where Train and Engine service employees are required to submit their payroll time electronically using the "Paperless Time Ticket" system (PTT), the requirement to certify the hours of service information entered is fulfilled through the use of the reporting employee's user name and password as an electronic signature.

2. Reporting Manual Edits to Relieved/Released Time – Advertised Amount of Tie-Up Time Exceeded: Both the PTT and Crew Dispatching Systems receive near real-time train status information to monitor employee hours-of-service. While the PTT System uses this information to pre-populate the data entry fields on the "Service Ticket" and "Hours of Service Record" screens, manual changes or corrections may not be immediately updated to the Crew Dispatching System.

To ensure Crew Dispatchers have accurate real-time hours-of-service information regarding statutory rest requirements and employee availability, employees must

Q-S1. (Cont'd)

contact Crew Management prior to the start of their statutory rest period to report any manual edits made to the pre-populated "SignOff Time" or "Relieved/Released Time" as follows:

- For Amtrak, MARC and CDOT Revenue Trains – Manual edits that are the result of any delay or additional service after the actual arrival of the train must be reported to crew management, i.e. the advertised amount of Tie-Up time is exceeded.
- All Other Assignments – Any manual edits made to the "SignOff Time" or "Relieved/Released Time" must be reported to crew management.

Q-S2. T&E CREWS IN QUALIFICATION STATUS

All Train & Engine employees who have completed New Hire or Re-entry class and are qualifying on the train will be assigned an extraboard training symbol. Field management will establish the training schedule for qualifying employees and will send it to Crew Management.

All time tickets for qualifying employees must include sign up time and date, sign off time and date, train numbers and city pairs, and must show dead head trips and statutory rest periods. Qualifying employees will be required to call CMS and have their jobs modified by the crew dispatcher whenever their assignment has changed, such as when:

- (1) You deadhead home instead of working,
- (2) You qualify on a different train,

or

- (3) Your turn point changes.

Qualifying employees must mark off and mark up in the same manner as regular assigned employees. Vacations must be arranged through your vacation coordinator. Employees attending class must mark off and mark up accordingly.

Q-S3. HOURS OF SERVICE: EMPLOYEE RESPONSIBILITIES

1. Prior to accepting an assignment from Crew Management Services, hours of service governed employees must verify the following information with the Crew Dispatcher to ensure an hours of service violation will not result:
 - The date on which the employee's current 14 day series began.
 - The most recent non-start day within the 14 day series (the day on which an on-duty period was not initiated, if any).
 - Whether the employee has worked a Type 2 assignment since the most recent non-start day.
2. If an employee incurs delay during an assignment and will not be available to work their next scheduled assignment due to rest required by the Hours of Service law, the employee must notify Crew Management prior to the start of their statutory rest period.
3. Employees must complete service time tickets and the concurrent Hours of Service records within 72 hours upon arrival at their home crew base from that duty tour.

R-S1. EMPLOYEE PHYSICAL EXAMINATIONS

In order to remain qualified for work, employees in the following positions are required to pass a regular periodic, and when required, a special periodic physical examination:

Passenger Conductors, Assistant Passenger Conductors, Conductors, Assistant Chief Dispatchers, Dispatchers, Yardmasters, Load Dispatchers, Power Directors, Block Operators, Employees who operate self-propelled on track vehicles and others as may be directed by their immediate supervisors.

NOTE: For specific information regarding Engine Service employee physical examination requirements, refer to the applicable System General Road Foreman Notice.

NOTE: For additional information regarding Train Service employee physical examination requirements, see section "c" below.

a. Regular Periodic Physical Examinations are required every 3 years.

b. Special Periodic Physical Examinations must be completed as frequently as deemed necessary in the judgment of Amtrak Medical Services, as directed when returning from furlough, illness, accident or injury, and at other times as directed. This includes employees who have specific medical conditions which may require more frequent monitoring.

Employees are personally responsible for obtaining a medical form (MED-1) from their immediate supervisor, who will provide them with the name and phone number of the examining clinic. Employees are responsible for scheduling their own appointment with a clinic. Employees are also responsible for ensuring that the physical examination appointment does not result in an Hours of Service violation under the commingled service provision of the Hours of Service Act (appointment must be separated from covered service by a statutory off duty period).

Except as noted below for Conductor Certification, regular periodic physical examinations must be completed no later than the last day of an employee's birth month. If the employee is not currently in compliance with this requirement, or cannot meet this requirement in the future, the employee must notify Amtrak Medical Services at 215-349-2389 of the employee's inability to comply prior to the last day of the employee's birth month, and may be given a one-time extension of no more than 30 days.

If an employee does not pass the regular or special periodic physical examination, the employee will no longer be medically qualified to work. Return to service is dependent upon elimination or correction of any medical issue(s) and/or timely response to any request for follow-up information from Amtrak Medical Services. Employees who fail to respond to such requests within the prescribed timeframe, or who fail to meet the periodic physical examination requirements, will no longer be medically qualified to perform service.

All employees must immediately report any Medical restrictions and/or medications which may affect performance by faxing a bona fide doctor's note or completed Form 3133 (Authorization to Work with Medication(s)) to Amtrak Medical Services at 215-349-4401 (Fax).

c. Additional Requirements For Employees Covered By 49 CFR 242 - Conductor Certification:

As a condition of employment and to maintain Conductor Certification, **in the year of certification or recertification, Passenger Conductors, Conductors and Assistant Conductors** must have satisfactorily completed a periodic physical examination no more than 450 days before the date of the certification or recertification decision. Further, Certified Passenger Conductors and Conductors who do not meet the vision or hearing acuity standards outlined in 49 CFR Part 242 will no longer be medically qualified to perform service until such time as Amtrak Medical Services has determined that the minimum standards of hearing and vision acuity required by 49 CFR Part 242 have been met.

R-S1. (Cont'd)

In addition to the foregoing, as a condition of employment and maintaining certification, each certified Passenger Conductor and Conductor, as well as Assistant Conductors, must immediately notify Amtrak Medical Services if their best correctable vision or hearing has deteriorated to the extent that the individual no longer meets the minimum standards of hearing and vision acuity required by 49 CFR Part 242. Further, Certified Passenger Conductors, Conductors and Assistant Conductors will no longer be medically qualified to perform service until such time as Amtrak Medical Services has determined that the minimum standards of hearing and vision acuity required by 49 CFR Part 242 have been met.

R-S2. PHYSICAL EXAMINATIONS: NON-AMTRAK EMPLOYEES

Train and Engine Service employees of other railroads who operate over Amtrak Territory will be governed by the Medical examination policy of their employing railroad company. Any restriction because of a medical condition must be recorded on the qualification for service page of the current Amtrak Timetable along with other required information.

T-S1. ATTENDANCE POLICY

Amtrak agreement-covered employees will be governed by the "National System Attendance Policy for All Amtrak Agreement-Covered Employees." Copies of the policy are available at all Human Resources Department offices.

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1-S1. PASSENGER CREWS IN TURNAROUND SERVICE

Passenger crews in turnaround service must re-sign the register and check the bulletin board when the actual time between trips exceeds 30 minutes.

EXCEPTION: – Conductors and Engineers in turnaround service between New York and New Haven, and between New York and Albany/ Rensselaer must re-sign the register and check the Bulletin Board before starting each trip, regardless of time elapsed between trips.

1-S2. BULLETIN ORDERS, NOTICES & GENERAL ORDERS

Summary & Non-Summary Bulletin Orders:

Bulletin Orders will be issued on a once-a-week basis, effective 12:01 AM each Monday. Bulletin Orders are numbered consecutively according to the current edition of the NEC timetable, and prefixed according to the operating territories listed in the table below. For example, a Northeast Summary Bulletin Order would be titled NE5-xxSUM, and a New York - Washington non-Summary Bulletin Order would be titled NYW5-xx, etc.

1. Summary Bulletin Orders: The Bulletin Order issued on the first Monday of each month will be a Summary Bulletin Order. Summary Bulletin Orders will contain all current information, and their numbers will be suffixed by the letters "SUM." Summary Bulletin Orders will remain in effect until the next month's Summary Bulletin Order is issued.

2. Non-Summary Bulletin Orders: Non-Summary Bulletin Orders will be issued on all Mondays except the first Monday of each month. Non-Summary Bulletin Orders will contain information issued after the Summary Bulletin Order. Each new Non-Summary Bulletin Order will supersede the previous Non-Summary Bulletin Order, and will contain all current information issued after the Summary Bulletin Order, unless otherwise specified.

Employees must retain a copy of the current Summary Bulletin Order, and the most recent Non-Summary Bulletin Order.

Employees must carry Bulletin Orders for the Lines on which they are subject to performing service. The table below shows the Lines covered by each Bulletin Order:

Bulletin Order	Applies to Crews Working Between	Lines Governed
Northeast (NE)	Boston and New York	NHB, NYT, NYS, MRS, DB, MM
Hudson (HU)	Albany and New York	HUD, NYT, PRB, NGB
New York - Washington (NYW)	New York and Washington	NYP, NYT, NYS, HUD: "A" to "CP 12" only, PW, LLC, 36SC, WT, PH

Information pertaining to NYT and NYS is published in multiple Bulletin Orders and Notices to minimize the number of documents crews working in certain territories are required to carry.

3. Supplemental Bulletin Orders:

Supplemental Bulletin Orders will be issued when required. They will contain information that is supplemental to the current Bulletin Order. The following applies to Supplemental Bulletin Orders.

- A. Employees must carry Supplemental Bulletin Orders for the lines on which they are subject to perform service.
- B. The Line(s) affected by the information in the Supplemental Bulletin Order will be indicated at the top of the document.
- C. The number of any Supplemental Bulletin Order in effect and the Lines affected will be listed at the top of the current TSRB. Examples for each dispatching office include:
 - 1) Boston Dispatching Office: NE5-xx-a (NHB Line);
 - 2) New York Dispatching Office: HU5-xx-a (HUD Line), NYW5-xx-a (NYP Line), NYW5-xx-b (NYT Line);
 - 3) Wilmington Dispatching Office: NYW5-xx-a (PH Line).
- D. **Schedule Changes:** Supplemental Bulletin Orders that contain schedule changes applicable only to a specific bulletin order territory will be designated by the suffix "SCH" following the number of the bulletin order they supplement and an identifying letter, e.g. NYW5-58SCH-a.
- E. When a Supplemental Bulletin Order applies only to the NYT, NYS and Hudson ("A" to "CP12") Line territories duplicated in the NYW, HUD, and NE Bulletin Orders, that

1-S2. (Cont'd)

Supplemental Bulletin Order will:

- 1) Be designated as a New York - Washington (NYW) Supplemental Bulletin Order.
- 2) Only be listed on the New York Dispatching Office's TSRB.
- 3) Reference the Bulletin Order numbers and applicable item numbers/letters for the content that is being revised in the regular bulletin orders.

F. **Northeast Corridor Region Supplemental Bulletin Orders** will be issued when necessary to address issues that affect the entire Northeast Corridor Region, such as a system special instruction or schedule change that applies to the entire Northeast Corridor Region.

- 1) Northeast Corridor Region Supplemental Bulletin Orders will be prefixed with "NEC" and numbered consecutively according to the current Timetable number.
- 2) Northeast Corridor Region Supplemental Bulletin Orders that include only system special instructions or both system special instruction information and schedule changes applicable to the entire Northeast Corridor Region will include the suffix NEC(*TT No.*)-(Supplemental No.)SYS. Example: NEC5S-1SYS.
- 3) Northeast Corridor Region Supplemental Bulletin Orders that apply only to schedule changes applicable to the entire Northeast Corridor will include the suffix "SCH," e.g., NEC5-1SCH.

4. Notices:

A Notice is a publication issued by the designated officer which contains instructions or information affecting individuals governed by the Northeast Corridor Employee Timetable. Notices contain instructions or information that does not affect the movement of trains.

Notices will be issued when required, but will be summarized monthly. Summary Notices will be effective at 12:01 AM on the first day of each month, and their numbers will be prefixed by the letter "S."

Employees must be familiar with Notices as listed below:

Notice	Lines Governed
Northeast	HUD, NYT, PRB & NGB NHB, NYT, NYS, MRS, DB, & MM
Hudson	HUD, NYT, PRB & NGB
New York - Washington (NYW)	NYP, NYT, NYS, HUD: "A" to "CP 12" only, PW, LLC, 36SC, WT, PH

A General Notice (GN) is a publication issued by the designated officer which contains instructions or information affecting Amtrak employees not governed exclusively by the Northeast Corridor Employee Timetable, and which does not affect the movement of trains.

General Notices will be issued when required. All Amtrak employees, **except those who are governed exclusively by the Northeast Corridor Employee Timetable**, must be familiar with the General Notices.

Summary General Notice numbers will be prefixed with an "S," and will contain all instructions in effect as of the effective date. They will supersede the previous Summary General Notice and all other General Notices, unless otherwise specified. General Notice(s) in effect will be indicated on the Bulletin Order.

5. General Orders:

Northeast Corridor Regional General Orders will be issued as needed, and will contain information relating to rules, procedures, or other instructions affecting the movement of trains. All Amtrak employees, **except those who are governed exclusively by the Northeast Corridor Employee Timetable**, will be governed by Regional General Orders, unless a rule or special instruction of the railroad over which they are operating specifically conflicts with these instructions. Summary Regional General Order numbers will be prefixed with an "S," and will contain all instructions in effect as of the effective date. They will supersede the previous Summary Regional General Order and all other Regional General Orders. Regional General Order(s) in effect will be indicated on the Bulletin Order.

1-S3. METRO NORTH COMMUTER RAILROAD BULLETIN ORDERS

Amtrak Conductors and Engineers operating over Metro North Commuter Railroad property must have a copy of all current Metro North Commuter Railroad Bulletin Orders in their possession while on duty.

1-S4. TEMPORARY SPEED RESTRICTION BULLETIN (TSRB)

► **Which TSRB Governs:**

TSRB (Name)	Lines Governed
Boston Dispatching Office	<i>NHB, MRS, DB, MM</i>
Wilmington Dispatching Office	<i>PW, PH, 36SC, WT, NYP (Zoo to MP 76)</i>
New York Dispatching Office	<i>NYS, NYT, HUD, PRB, NGB, NYP (NY to MP 76), LLC</i>

The list of Supplemental Bulletin Orders at the top of a TSRB must only include documents that apply to the lines listed on that office's TSRB. For example, a Boston TSRB will not include NYT or NYS information, a New York TSRB will not include information west of MP 76 or 36SC, and a Wilmington TSRB will not include HUD, NYT or NYS information.

► **TSRB Effective Times:**

TSRB'S will be effective at **5:00 A.M.** daily. Each day's TSRB will supersede the previous day's TSRB, and contain all current information.

► **TSRB Usage and Delivery:**

Temporary speed restrictions will be issued by TSRB, except when it is more efficient to issue a restriction by Form D. TSRB's will also be used to indicate whether a Supplemental Bulletin Order is in effect on the Lines on which the TSRB applies. If one or more Supplemental Bulletin Orders are in effect, a line located near the top of the TSRB will list their number(s). If no Supplemental Bulletin Orders are in effect, the word "None" will be shown.

Employees whose duties are affected must obtain a copy of the applicable TSRB(s) when reporting for duty, and must have it with them while on duty.

TSRB will be electronically transmitted to all major sign-up locations. Crews must examine TSRB to ensure that it is current, complete, and legible. If a train originates at a location where TSRB is not available, the crew must contact the Opr or Dspr for instructions.

► **Use of Speed Signs:**

Speed restrictions must be listed in sequential order. The limits of the restriction must be designated by Timetable locations, mile post locations, signal locations, bridge numbers or catenary pole numbers.

When speed signs cannot be displayed immediately, the Dispatcher must not use portions of a mile on the TSRB, unless used in conjunction with a physical characteristic location.

► **Trains Enroute at Effective Time:**

Conductors and Engineers of trains enroute at the time a new TSRB becomes effective will be governed by the TSRB in their possession, until they receive a copy of the current TSRB. If the Dispatcher directs the crew to obtain the new TSRB at a location enroute, the crew must verify receipt with the Dispatcher.

► **Adding or Cancelling Restrictions:**

Temporary speed restrictions will be added or cancelled on the TSRB, except when it is more efficient to add or cancel restrictions by Form D. Additions and cancellations to TSRB must not be copied by an employee operating the controls of a moving train. When dictating or repeating changes to TSRB, employees must pronounce numerals digit by digit. Only authorized abbreviations may be used in TSRB.

When a restriction is to be added, the Dispatcher, or Operator when authorized by the Dispatcher, must dictate the restriction to the Conductor, Engineer or other qualified employee on the affected train. The receiving employee must copy the additional restriction in the space provided on the TSRB. **(Note:** Additional restrictions may be written on the reverse side of the TSRB, if all space provided on the TSRB has been filled.)

When a restriction is to be cancelled, the Dispatcher, or Operator when authorized by the Dispatcher, will advise the Conductor, Engineer or other qualified employee on affected trains as to which restriction(s) must be deleted.

Additional restriction(s) or cancellation information must be correctly repeated to the Dispatcher or Operator before "time effective" or "time canceled" is given. When giving the

1-S4. (Cont'd)

"time effective" or "time canceled", the Dispatcher or Operator must state his initials. The receiving employee must copy the time and initials in the space provided on the TSRB, then repeat the "time effective" or "time canceled" and the Dispatcher's or Operator's initials.

The Dispatcher or Operator must acknowledge that the time and the initials were repeated correctly before the addition or cancellation may be acted upon. After the cancellation time and initials have been acknowledged, the receiving employee must draw a line through the affected restriction(s). If communication fails before "time effective" is received, the train must not proceed until communication has been reestablished.

When a speed restriction addition or cancellation is given to more than one train, the "time effective" or "time canceled" will be the same for all trains, and will be the time of the original addition or cancellation.

► **Blocking Device Protection for TSRB Additions**

When a TSRB addition is to be delivered at a location where crews are not required to call for orders, the Dispatcher must apply blocking devices to ensure that the train does not depart without the TSRB addition. These blocking devices must not be removed until the addition has been delivered or until the Engineer has acknowledged that he is to receive a TSRB addition.

If the TSRB addition applies within 3 miles of the point of delivery, the train must be stopped. The TSRB addition must be delivered before the signal to proceed is displayed, unless the Engineer has been fully advised of the situation.

► **Effective Period of Added Restrictions:**

Speed restrictions added to a Boston Dispatching Office TSRB remain in effect until cancelled. Speed restrictions added to New York or Wilmington Dispatching Office TSRB's will be in effect for the initial move *only*, and must be deleted (crossed out) when passed.

► **Dictation to Other Affected Employees:**

The receiving employee must dictate addition or cancellation information to affected crew members before that information must be acted upon. When addition or cancellation information is relayed between employees, the dictating employee must follow the procedure outlined above for Dispatchers.

► **Relieved Enroute, or Tour of Duty Ends at Outlying Point:**

When a Conductor or Engineer is relieved enroute, or their tour of duty ends at an outlying point, the TSRB must be delivered to and discussed with the relieving Conductor or Engineer. When physical delivery is impractical, the Conductor or Engineer must leave a copy of the TSRB in the operating compartment of the controlling engine. When the Conductor or Engineer of the relieving crew is unable to communicate with the crew they are to relieve, a member of the relieving crew must contact the Dispatcher to ensure they have received all current information before proceeding.

► **Retention of TSRB:**

Upon completion of their tour of duty at other than an outlying point, Conductors and Engineers may discard their copy of the TSRB. **EXCEPTION:** When restrictions have been added or cancelled enroute, the last employee to possess the modified TSRB must retain it for 7 days.

► **Corrections to TSRB:**

When errors are discovered in the TSRB after the faxing process has begun, the error must be corrected by Form D, or TSRB addition or cancellation. When two or more TSRB's with conflicting restrictions are faxed to recipients, a Form D Line 13 must be issued as follows:

For addition:

If not contained in your (DISPATCHING OFFICE) TSRB effective 5:00 AM (DATE) Speed Restriction (LINE) between _____ and _____ on ___ Trk _____ MPH Psgr _____ MPH Frt Speed signs (IN/NOT IN) service

For cancellation:

If contained in your (DISPATCHING OFFICE) TSRB effective 5:00 AM (DATE) Speed Restriction (LINE) between _____ and _____ on ___ Trk _____ MPH Psgr _____ MPH Frt is cancelled.

1-S5. OPERATIONS STANDARDS UPDATES & OPERATIONS SERVICE ADVISORIES

Operations Standards Updates (OSU's) and Operations Service Advisories (OSA's) are issued by Operations Support, and are available at crew sign-up locations.

OSU's modify the contents of the Service Standards Manual. Affected Train Service, OBS and Stations employees must read and comply with OSU instructions, and must retain a copy of each OSU while on duty. OSU's remain in effect until they are incorporated into the Service Standards Manual as permanent revisions.

1-S5. (Cont'd)

OSA's provide Train Service, OBS and Stations employees with information regarding the delivery of Amtrak service. OSA's are general in nature, or temporary in scope. Employees must read and comply with OSA's, but need not retain them while on duty. OSA's do not modify the contents of the Service Standards Manual, but remain in effect until fulfilled or cancelled.

OSU's and OSA's will be numbered sequentially, the number being prefixed by the last two digits of the current year. The number of the most recent OSU and OSA will be indicated on the train manifest. (*See SI 4-S1, page 266*)

1-S6. EMPLOYEE REGISTERS

Employee Registers are in service at all major crew sign up locations. Employees reporting for duty must examine the Bulletin Board or Bulletin Book, then sign the Employee Register.

2-S1. STANDARD TIME

Eastern Standard Time applies.

Effective 2:00 A.M. on the second Sunday of March, Standard Time must be advanced one hour. This is Daylight Saving Time.

Standard clocks must be advanced one hour at 2:00 A.M., and time changed to 3:00 A.M., Standard Time. Employees advancing standard clocks must, as soon as the change has been made, compare time with the Dispatcher.

Offices where standard clocks are located, which are not open at 2:00 A.M., must advance clocks one hour at time the office is opened and compare time with the Dispatcher.

Effective 2:00 A.M., on the first Sunday of November, Standard Time must be set back one hour.

Standard clocks must be set back one hour at 2:00 A.M., and time changed to 1:00 A.M., Standard Time. Employees setting back standard clocks must, as soon as the change has been made, compare time with the Dispatcher.

Offices where standard clocks are located, which are not open at 2:00 A.M., must set back clocks one hour at time office is opened and compare time with the Dispatcher.

When time changes, employees who are required by Rule 3 to use a reliable watch and are on duty when time changes, must adjust their watch as soon as possible without incurring delay to train movements. Employees must compare their watch with a standard clock or secure time from the Dispatcher as soon as practical after time changes. Employees who have access to an ATS phone can call the Naval Observatory Master Clock at (ATS) 777-4000 to obtain correct time.

4-S1. JOB BRIEFING

Amtrak train and engine crew members must hold a job briefing at the beginning of their tour of duty and each time operational or safety conditions change after the initial job briefing.

Non-Amtrak crews are required to conduct a job briefing prior to entering Amtrak property and each time operational or safety conditions change after the initial briefing.

Amtrak Conductors are required to use the **Initial/En Route Job Briefing Checklist form (NRPC 3243)** or **Initial Job Briefing Checklist for Yard Crews form (NRPC 3272)** during their initial job briefings, and must retain it for inspection for five days. All applicable portions of the form must be reviewed and filled out to ensure that all safety critical information, all tasks to be performed, and each crew member's individual responsibilities are communicated to all members of the train crew. The Conductor is responsible for ensuring that all on-train employees participate in a job briefing, and for noting the name, date and time employees were briefed. On Board Service Employees who are on down time are not to be disturbed while at rest period.

A note must be added to the back of the Initial Job Briefing Checklist form whenever an additional job briefing is conducted. When the Conductor is relieved en route, the relieving Conductor must sign the form and add the date and time that all pertinent briefing subjects have been discussed with all affected crew members.

Job briefings must cover the following types of information, if applicable.

4-S1. (Cont'd)

1. Bulletin Orders, TSRB's & Form D's: The Conductor, Engineer and any Assistant Conductor who is a certified Conductor must ensure they have a copy of all current Bulletin Orders in effect for the territory over which their train will operate. The Conductor and Engineer must also ensure they have a copy of all TSRB's, and Form D's in effect for the territory over which their train will operate. Crew members must discuss with each other all new and temporary restrictions that may affect their train's movement or their duties.

2. General Orders, System General Road Foreman Notices, Operations Standards Updates & Advisories: If a General Order, System General Road Foreman Notice or Operations Standards Update has been issued within the last five days, the Conductor and Engineer must ensure that all affected crew members have a copy of each applicable item. They must discuss with other crew members all new instructions and Operations Standards Advisories that may affect their duties, including operating rule of the day, if applicable, and customer service tip of the day.

3. Equipment Restrictions (See S.I. 34-S4, pg 271): The Conductor and Engineer must discuss with other crew members the type of equipment they are likely to have in their train, the status of required air brake tests and MAP forms, if known, and the maximum speed and other restrictions associated with the equipment. If a train manifest is available, the Conductor must give the Engineer a copy. The Conductor must review the actual consist before departure. If the equipment is more restrictive than originally discussed, the Conductor must inform all crew members of the additional restrictions.

4. Safety and Security: The Conductor and Engineer must ensure all crew members are in possession of applicable personal protective equipment such as safety vests, safety glasses, gloves, proper footwear, etc. All crew members must:

- a. Discuss any known or potential safety hazard, including weather conditions that the crew or passengers may encounter during the crew's tour of duty, and the actions that crew members will take to avoid the hazard.
- b. Look up and discuss the safety instruction of the day.
- c. Review security and emergency procedure-related information, including availability of on-board emergency tools.
- d. Ensure compliance with hours-of-service limitations and that all crew members are properly rested.
- e. Ensure compliance with proper use of electronic devices.
- f. Proper identification for border crossings.

5. Correct Time: The Conductor must set his watch with a standard clock or time service, and must ensure that the watches of other crew members indicate the correct time. Conductors who have access to an ATS phone must call the Naval Observatory Master Clock at (ATS) 729-4116 or (ATS) 777-4000 to obtain the correct time.

6. Passenger Service: Crews in passenger service must discuss the following additional items:

- a. The scheduled station stops for each trip, including any special requirements.
- b. Any private cars or groups that will be handled.
- c. Who will work which cars.
- d. Who will examine platforms leaving stations, in accordance with SI 940-S1, page 339.
- e. Who will make train announcements.
- f. Who will be responsible for door operation in accordance with SI 940-S1, page 339.

7. Yard Service: Crews in yard service must discuss the following additional items:

- a. The specific jobs to be done or moves to be made, and each employee's associated responsibilities.
- b. The means of communication that will be used to control the movement.
- c. Who will be responsible for securing equipment that will be left unattended.
- d. If a back-up hose will be required, who will be responsible for connecting and testing the device.

4-S1. (Cont'd)

8. Reporting Clear or Releasing Main Track Authorities: All crew members are jointly responsible, through job briefing, to ascertain and agree on the exact location that their entire train has passed before reporting past a specific point or clearing a main track authority (Form D).

9. Securing Unattended Equipment : All crew members are jointly responsible for the location and proper securement of any equipment left unattended. Crew members must review information relevant to securing the equipment before, during and after the securement process. Information that must be reviewed includes:

- a. In yards, location where equipment is to be left to ensure it will not foul an adjacent track.
- b. Type of equipment to be secured, such as cars only, locomotives only, or cars and locomotives, and the amount, type and location of any cars containing hazardous materials.
- c. Number of handbrakes applied to secure the equipment, and number and location of chocks, if used.
- d. Means of testing to verify that securement measures are effective.
- e. Responsibilities of each employee involved in securing the equipment, including the identification of the crew member who will report the securement of equipment left standing on a mainline track or mainline siding to the train dispatcher.
- f. Any other relevant factors affecting securement.

10. Designated Job Briefing Locations

Train and Engine service employees must conduct their job briefing at the beginning of their tour of duty at the following locations:

LOCATION	CONDUCT JOB BRIEFING IN:
All Locations	
Work Train Crews Reporting for Duty at Outlying Points	Locomotive at the starting point of assignment
Washington to Philadelphia and Philadelphia to Harrisburg	
Washington Terminal ▶ Road Crews	Crew Dispatcher's Office, Transportation Building
Washington Terminal ▶ Yard Crews	Station Sign-Up - Assigned locomotive, or yard crew room in Track 7 Terminal Service Building Coach Yard Sign-Up - Assigned locomotive, or Coach Yard Building
Martins MARC Facility	T&E crew room
Odenton MW Base	T&E room, second floor
Baltimore Station	T&E room, basement
Perryville MW Base	T&E room, first floor
Wilmington Shops	T&E room, building 23, adjacent to backshop
30th Street Station, Philadelphia	Sign-up room across from T&E lounge, adjacent to valet parking window.
Race Street Engine House	T&E locker room, second floor
Lancaster Station	MW locker room
Harrisburg Station	T&E lounge
New Jersey to Boston and St. Albans	
Adams MW Base	Cafeteria
Penn Station, NY	Job Briefing room, NY Crewbase area adjacent to main T&E lunchroom.
Sunnyside Yard	Q Tower
New Haven ▶ Road and Yard crews	Ticket Receiver's Office

4-S1. (Cont'd)	
New Jersey to Boston and St. Albans (Cont'd)	
New Haven ▶ CDOT crews	T&E Crew Room second floor CDOT Maintenance Facility
Southampton Street ▶ Yard Crews	Yardmaster's Office, Southampton Street Yard. Note: Yardmaster must be included in the job briefing.
Springfield	Crew sign-up room, Springfield station
Boston	Crew sign-up room, South Station – lower level, east wing, main corridor.
St. Albans	Crew sign-up room, St. Albans station

4-S2. CONDUCTOR PILOT JOB BRIEFING: TRACK CARS

A Conductor assigned to pilot a track car must conduct a job briefing with a Road Foreman or Trainmaster before assuming duty on the track car. The employee so assigned must call the Chief Train Dispatcher to determine the Road Foreman or Trainmaster on duty. The job briefing must include a review of the operating rules and instructions applicable to the assignment, which typically include, but are not limited to rules 121(d), 162(b), 241, 605, 802, 803, 805, 807, 808, 809, 811, 812 & 815.

4-S3. CREW RESOURCE MANAGEMENT (CRM)

Crew Resource Management addresses the human element of people working together in safety sensitive conditions with highly sophisticated technology. When applied to the railroad industry, it can be seen as the effective use of all resources to achieve safe and efficient train operations.

Crew Resource Management is comprised of:

- A comprehensive system for improving crew performance.
- A process that addresses the entire crew and other related staff, such as yardmaster, dispatcher, utility employee, or a locomotive engineer performing duties as a pilot.
- A heightened awareness of attitudes and behaviors of crew members and their impact on safety.
- A forum that allows the individuals to examine their behavior and make individual decisions on how to improve teamwork.
- A focus on the function of crew members as teams, not as a collection of technically competent individuals.

Three primary tools for employees to use to achieve Crew Resource Management are:

1. Technical Proficiency
2. Situational Awareness
3. Communication and Teamwork

The following information refers to crew members but is applicable to all railroad employees working together or interacting with other crafts in the course of their duties.

How to use Technical Proficiency:

1. Use rule classes to further your knowledge of operating rules. Ask questions to resolve conflicts where the practice does not seem to comply with the rule.
2. At any time, call Operating Practices or your manager to get an answer to your rules questions.
3. In situations where the application of a rule may not be clear to you, review the rule before taking action. Look it up and discuss it with other crew members.
4. Comply with the letter of the rule at all times. Don't assume that only a portion of the rule applies to a particular situation unless the rule clearly states so.

How to use Situational Awareness:

1. Workload distribution: Use other crew members to take some of the workload off you, especially in critical situations. Ask them to look up a rule, handle the radio, and take care of the passenger problem so you can handle the operational situation.

4-S3. (Cont'd)

2. Set priorities: In some situations where there are too many tasks to perform, learn to identify and take care of the ones that are the most critical. You may not like to give up some tasks, but it is important that you know your limits and take steps to stay within them. If you are too busy to answer the dispatcher, don't.
3. Recognize deteriorating situations: If things are going from bad to worse, take time out to step back and sort it out. Stop the train, if necessary. Too many accidents have occurred because crew members could see that the situation was deteriorating but failed to do anything about it.
4. Verbalize concern: Sometimes you are the only member of the crew who recognizes a potentially dangerous situation. Let other crew members know of your concerns so that they may help develop a solution.

How to use Communication & Teamwork:

1. Set the tone for teamwork: Start with the first job briefing to demonstrate your willingness to work as part of a team. If you are conducting the briefing, encourage participation initially and as the trip progresses. If you are not conducting the briefing, participate fully, ask questions and determine what will be expected of you.
2. Use appropriate persistence: No matter what your position in the crew, speak up if you are in doubt about what is happening. Your communications with other crew members should be:
 - Timely - don't wait until it's too late.
 - Clear - if you have a specific concern, clearly state it (did we get the ABC block?)
 - Focused - important communications should be handled apart from other discussions. Ask about two different subjects - you'll usually get the answer and attention to the one of least importance.
3. Propose a solution: Nobody likes to be challenged or have a mistake pointed out. Use tact when appropriate. "Do you need help with that dual control switch?" is much better than "Don't you know how to operate that switch?"

10-S1. FUSEES

On account of fire hazard lighted fusees must not be displayed on open deck bridges, movable bridges, trestles or in the vicinity of areas where fuel oil or flammable liquids are present nor in the following territory unless necessary to prevent an accident:

Between East Portals of East River Tunnels and West Portals of North River Tunnels.
Between Fulton and Biddle Street.

16-S1. BLUE SIGNAL PROTECTION: T&E EMPLOYEES

Train and Engine Service employees are prohibited from operating any mechanical, pneumatic or electrical apparatus on equipment that has blue signal protection, unless specifically authorized by the person in charge of the workmen. Such authority must not be accepted unless the person giving it has clearly identified himself as the person in charge of the workmen.

16-S2. BLUE SIGNAL PROTECTION: SIGNAL LOCATIONS

The following instructions apply where Amtrak employees or contractors utilize blue signal protection:

1. On either main track or other than main track, whenever a blue signal is required to be attached to the controlling locomotive and visible to the Engineer or operator at the controls, such signal must be located on the control stand or console. Displaying a blue signal on the exterior of the locomotive, such as a blue flag attached to the Engineer's window, will **not** be considered to be readily visible to an employee at the controls.

2. On main track, whenever a blue signal is required to be placed at each end of rolling equipment, such signal must be located either at the extreme end of the equipment or in advance of the equipment. Displaying a blue signal on either side of the equipment, including a blue flag attached to the Engineer's window, will **not** be considered as being displayed at the end of rolling equipment.

Exception: This instruction does not apply at mechanical facilities under the exclusive control of the Mechanical Department, where alternate methods of blue signal protection provide full protection in compliance with all blue signal rules.

19-S1. WHISTLE or HORN FAILURES

In the application of NORAC Rule 19:

If the engine whistle or horn on the leading end of the movement fails en route, the Dispatcher must be notified and a crew member must immediately take position at the next operable forward facing horn or whistle on the train. The Engineer must be able to communicate with this employee to instruct him when to sound the required whistle or horn signals. If these conditions cannot be met, the Engineer must take the following actions until the whistle or horn is repaired:

1. Notify the Dispatcher immediately.
2. Reduce speed to not exceeding 30 MPH.
3. Ring the bell continuously, if equipped.
4. Stop before each public highway crossing at grade and provide on-ground warning until the crossing is occupied, unless:
 - a. Automatic crossing warning devices are functioning properly,
or
 - b. No traffic is approaching or stopped at a crossing not equipped with automatic crossing warning devices.

19-S2. PORTABLE WHISTLE SIGNS

Portable Whistle Signs are used by Engineering Department employees to provide Locomotive Engineers with advance warning that MW employees are working ahead. These signs have a reflective orange background, are oval in shape (1 foot wide by 2 feet high), and display a black letter "W" in the middle. They are placed to the right of affected tracks, and sufficiently in advance of the work area to provide adequate warning.

Engineers observing a Portable Whistle Sign **on any track** must sound the engine whistle or horn in accordance with Rule 19(d).

20-S1. ENGINE BELL and STROBE LIGHTS

Ring of engine bell may be omitted when running through tunnels.

EXCEPTION: Engine bell **must be rung continuously** within the confines of the Empire Tunnel and the Riverside Park Overbuild and within B&P and Union Tunnels.

Model F40PH engines and AEM-7 engines must have Signal Light Circuit breaker in service. Two WHITE strobe lights mounted on top of the operating cab will operate automatically whenever the engine bell is used.

20-S2. ENGINE BELL ON TRAINS MAKING STATION STOPS

The bell of equipped trains must be sounded when approaching a station platform where the train is scheduled to stop. The bell must continue to be sounded until the train has stopped.

22-S1. AUXILIARY LIGHTS

Engines that are equipped with strobe lights alone (i.e., no ditch lights, crossing lights or oscillating light) must not exceed 40 MPH when operating over public crossings at grade.

22-S2. DITCH LIGHT (AUXILIARY LIGHT) SWITCH

The ditch light (auxiliary light) switch facing the direction of movement on all trains and engines must be placed in the ON position at all times except:

1. While standing or passing through yards where other engines are working.
2. When approaching a station where a Form D is to be received.
3. When approaching junctions or terminals.
4. When standing or moving on a main track at meeting points.
5. When standing or when approaching another train operating in the opposite direction in multiple track territory.

When approaching or passing over public highway crossings at grade, the ditch light (auxiliary light) must not be turned off.

Note: HST's and HHP-8 locomotives are equipped with a four position ditch light (auxiliary light) switch. When the ditch lights must be displayed this four position **switch must be placed in the ON position**, not the AUTOMATIC position.

24-S1. LIGHT SENSITIVE PORTABLE MARKING DEVICES ON REAR OF PASSENGER TRAINS

Passenger trains with a non-passenger carrying car on the rear may operate with a light sensitive portable marking device that illuminates only at night or when otherwise activated by low light conditions.

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PASSENGER TRAIN OPERATION

34-S1. AMFLEET, CAPITOLINER CONTROL CARS, CDOT CONTROL CARS AND SPV CARS: AIR BELLOWS

Instructions when the air bellows become over-inflated or under-inflated (deflated) are as follows:

1. When under-inflated no action is necessary except to report occurrence on Form Map 21-A.

2. When over-inflated the speed of train must be reduced (see Special Instruction 37-S5, page 287) and the air bellows deflated as soon as practicable.

Instructions to deflate the air bellows are:

a. Locate "Air Spring Cut Out" badge plate on the car side sill (each end of car).

b. Close both "Air Spring Supply Cocks" on end affected. The cocks are located near the badge plate, have YELLOW handles and are tagged.

c. Open the "Deflate Air Spring Valve." It is located near the air spring supply cocks and has a RED handle.

d. After the air bellows are deflated normal speed may be resumed.

If the car is not equipped with a "Deflate Air Spring Valve" follow instructions (a) and (b) and operate per Special Instruction **37-S5** (page 287), to next terminal. The Dispatcher must be notified as soon as possible.

34-S2. ENGINES AND EQUIPMENT EQUIPPED WITH PYRANOL COOLED TRANSFORMERS.

This instruction applies to SEPTA MU Silverliner Cars Nos. 201-239, 251-399 & 9001-9017.

When debris is struck which may cause damage to the undercarriage of your train, Engineer must bring train to a safe stop and train crew must inspect above listed equipment when in consist of train to insure that no transformer is leaking.

If transformer is leaking, train must not be moved until instructions are received from General Manager's Office.

34-S3. BRAKING AT SPEEDS IN EXCESS OF 110 MPH AMTRAK PASSENGER EQUIPMENT

When operating at speeds in excess of 110 MPH, a full service brake application must be made whenever a reduction in speed is necessary in order to comply with fixed signal or cab signal indication. Once it is ascertained that the required speed will be affected, a lesser degree of braking may be used.

34-S4. PASSENGER TRAIN CONSIST

In accordance with Special Instruction 4-S1 (page 265), Conductors of trains operating on the Amtrak Northeast Corridor must review the consist of their train before leaving their initial terminal, at crew change locations, or before entering the Amtrak Northeast Corridor, and must have a job briefing with their Engineer and other crew members to discuss the maximum speed and other restrictions associated with their equipment.

If a car in the train is restricted to a speed less than the maximum speed of the train's normal consist, the Conductor must notify the Dispatcher, in addition to all crew members. Dispatchers notified of such restrictions must inform the connecting dispatching district.

Conductors and Engineers of passenger trains consisting of cars that are not listed in the Timetable, must not leave their initial terminal without a train manifest, Form D or Passenger Name Record (PNR) indicating the maximum speed for equipment and any pertinent movement restrictions.

34-S4. (Cont'd)

All passenger cars that are not listed in the Timetable, will be assigned a classification code letter to indicate the status for operation on Amtrak property (see SI 37-S5, page 289). The following letters indicate any restrictions:

A—No restrictions.

B—Must not operate in third rail territory between Hudson and CP 216, and between Penn Station and CP 12. Must not operate on No. 27 track south of 16RC signal in Washington Terminal.

C—May operate in Washington Terminal on all tracks, except: From H Signal Bridge to and including Station Tracks 13, 14 and 17 through 20, and on No. 27 track south of 16RC signal. Must not operate on any other tracks of the Northeast Corridor.

D—May operate in Washington Terminal on all tracks, except: From H Signal Bridge to and including Station Tracks 12 through 14, and 17 through 20, on No. 27 track south of 16RC signal, and north of K Signal Bridge on Track 42. Must not operate on any other tracks of the Northeast Corridor.

34-S5. TRAINS OPERATING IN DIRECT RELEASE

When assuming control of a train, Engineers must examine the Air Brake slip to determine whether the train is set in graduated or direct release.

AEM-7 engines must not be used to control the movement of a train that has its air brakes set in direct release, except in an emergency (e.g., the engine controlling movement of a train set for direct release becomes disabled, and the only available rescue engine is an AEM-7). In such a case, care must be taken not to graduate off an automatic brake reduction, resulting in an unintentional release of the train brakes.

Direct release trains controlled by an AEM-7 must not exceed 30 MPH between Bergen and "F" Interlockings on the NYP Line.

34-S6. BRIDGE PLATES: ASSISTING MOBILITY IMPAIRED PASSENGERS

Train crews are to assist mobility impaired passengers in getting on and off trains by using the metal **bridge plates** that are available at the stations listed below, for trains operating as indicated. Bridge plates are stored in black containers which can be opened by coach key, or are secured by chain and 102 switch key operated padlock. After use, bridge plates must be returned to their containers, and container doors locked. Train crews who find bridge plates missing, or locks or containers damaged, must inform the Dispatcher.

NHB Line: New London.

NYP Line: Newark Penn Station (trks 1 & 3); Newark International Airport (3 plates per platform, at ends of station building & center of platform); Metro Park (2 plates per platform, at ends of overhead canopy); New Brunswick & Princeton Jct. (1 plate on each platform adjacent to elevators); Trenton (2 plates on trks 1 & 4); Cornwells Heights, east & west (equipped for SEPTA & Amtrak trains).

PH Line: Exton (east & west); Bryn Mawr, Thorndale (west only).

PW Line: Churchman's Crossing, No. 1 Trk only; 30th St. Phila. (Stored at stenciled locations without containers: 2 numbered bridge plates each platform, odd numbered behind south end stairway near platform telephone location, even numbered next to blocked off stairway north of elevator).

34-S7. MARYLAND DOT CARS: TRAP DOOR OPERATION

Passenger cars MARC II series 7700-7735, 7745-7762, 7791-7799 and MARC III series 7800-7891 are provided with release levers to enable an employee on the ground to raise the trap door. Employees may use this lever for that purpose, exercising caution to prevent injury. Paragraph "f" of Safety Instruction 5314 will not apply to employees using the release lever on these cars.

34-S8. TRAINS TURNING AT THORNDALE, MARCUS HOOK OR WILMINGTON

Passenger trains turning at Thorndale, Marcus Hook or Wilmington stations may reverse back to Thorn, Hook or Wine after the home signal is seen to display a proceed indication, and the track to the home signal is seen to be clear. Movement must operate at Restricted Speed until governed by a more favorable signal.

FREIGHT TRAIN OPERATION

35-S1. FREIGHT OPERATION: 6:00 AM to 10:00 PM RESTRICTION

The following trains must not exceed 30 MPH between 6:00 AM and 10:00 PM on any Amtrak dispatched line except the PH, HUD, MRS and PRB Lines: **(1)** Work trains; **(2)** Freight trains; **(3)** Light or multiple light engines.

Exceptions:

1. Equipment: This restriction does not apply to track cars, or Amtrak, MARC & NJT light or multiple light engines.

2. PW & NYP Lines: This restriction does not apply to NS solid TV trains. (A TV train is a freight train consisting entirely of equipment designed to carry trailers, containers, or RoadRailers.)

3. NHB Line: This restriction does not apply to trains that are equipped with operative on-board ACSES apparatus, and are operating in territory where ACSES Rules 580-591 are in effect.

35-S2. BACK UP MOVEMENTS

When backing freight trains, a minimum of three and not more than five hand brakes must be applied on rear to prevent slack running out on a descending grade.

35-S3. MAXIMUM POWER ON REAR

Helper engines pushing freight trains are limited to a total of 12 traction motors.

Helper engines pushing freight trains must ease off passing over cross-overs or turn outs when making diverging movements, exercising care to avoid slack action.

Employees are prohibited from riding in caboose while train is being pushed except when the caboose is coupled behind the helper engine.

35-S4. FREIGHT TRAIN CAR LIMIT

Freight trains must not exceed 135 cars, with the following exceptions:

1. Trains which are not equipped with operating telemetry devices and are operating without a caboose on the rear must not exceed 50 cars.

2. Trains consisting entirely of empty hopper cars, must not exceed 150 cars. (See SI 35-P1, page 205)

3. Trains consisting entirely of empty Jenny type hopper cars, must not exceed 180 cars.

4. Trains consisting entirely of TPIX (Tropicana) cars, must not exceed 65 cars.

35-S5. MINERAL TRAIN

A train containing 25% or more of cars loaded with coal (*see "Note" below*), ore, stone, sand, clay or grain will be classified as a Mineral Train. Conductor or Engineer must notify the Dispatcher or Operator that they are entering Amtrak territory with a Mineral Train. (See S.I. 37-S4, page 277, for speed.)

Note: This instruction does *not* apply to trains containing 25% or more of cars loaded with coke.

35-S6. CWR-RAIL TRAINS

When operating Amtrak CWR-Rail Trains loaded or empty, brake pipe pressure will be maintained and set for 110 lbs. over the entire Northeast Corridor. When the CWR-Rail Train is loaded and working without a buffer car as the rearmost car of the train, the maximum authorized speed is 20 MPH, and distance must not exceed 20 miles.

35-S7. CABOOSELESS FREIGHT TRAINS

The operation of cabooseless freight trains on the Northeast Corridor is subject to the following conditions:

1. Trains consisting entirely of trail-van equipment may operate at any hour.
2. Trains designated as local freights, yard transfers or switchers may operate at any hour.
3. Mixed or mineral freight trains may operate **only** between the hours of 10:00 P.M. and 6:00 A.M., *except*:
 - a. Mixed or mineral freight trains may operate at any hour on the PH Line between State & Glen, on the MRS Line between Mill River & Spring, and on the NHB Line between New Haven and MP 190.
 - b. Mineral freight and empty hopper trains may operate at any hour on the PW Line on Track A between Gunpow and Bay, and on No. 1 Track between Bowie and Landover.
 - c. Trains delayed while en route over the Northeast Corridor may be permitted to continue to their final terminal.
 - d. The General Manager or his representative may authorize an exception to the specified hours for a train that has been delayed on freight railroad property as a result of switch, signal, or mechanical failure.

PASSENGER AND FREIGHT TRAIN OPERATION

36-S1. TRAIN PARTINGS

- a. Whenever a train parting occurs the Conductor or Engineer must notify the Dispatcher immediately. The following information must be furnished:
 1. Location of train when parting occurred.
 2. Position in train & identification of equipment involved.
 3. Position of knuckles where parting occurred, if determinable.
 4. Distance between parted sections and whether or not any run-in following parting.
 5. Throttle position, speed, type of air applied, if any.
 6. Apparent reason for parting.
 7. Any other unusual conditions in connection with occurrence.
- b. Inspect the coupler and coupler operating mechanism. Check that coupler is in level position on the coupler carrier and that coupler operating mechanism is in good condition and operating freely.
- c. Remove any dirt, debris, ice, etc., from inside the coupler head. Close knuckle and observe that the rotary locklift is clear and coupler indicates that it is properly locked.
- d. If satisfied that coupler is locked, leave knuckle closed on suspect coupler. Open the knuckle on the mating coupler and couple cars together.
- e. After coupling, signal Engineer to stretch the train, then take slack and make a second stretch with the engine.
- f. **If separation was between two passenger carrying cars, a train crew member must be stationed in vestibule to prevent passenger movement between cars.**
- g. Whenever inspection reveals any coupler defects or improper couplings that cannot be corrected, the equipment involved must be set out.
- h. If inspection does not reveal any coupler defects and all pins appear to be in locked position, proceed to the next station where mechanical forces are on duty to inspect and make any emergency repairs that are necessary. If a locking pin had been applied to the rotary lock lift, replace the pin if possible.
- i. *If a second separation occurs between the same equipment, the equipment involved must be set out.* Inform the train dispatcher that the same equipment has separated for the second time and be governed by instructions received regarding location where car(s) are to be set out.

Exceptions: If an open knuckle was discovered on the same car in both separations, only that car must be set out. Or, if setting out one car leaves the suspect knuckle of the remaining car at the extreme rear of train, that car may move in the train as long as no other equipment is coupled behind it.
- j. Complete Unusual Occurrence Report and appropriate MAP forms/IDRS.

36-S2. RESTRICTED SPEED OPERATIONAL TEST

In an effort to ensure that trains required to operate at Restricted Speed are able to stop short of an obstruction, Amtrak Supervisors conducting operational tests will be placing a Temporary Track Barricade Sign in the gauge of the track ahead of trains *which are required by rule or special instruction to operate at Restricted Speed*. There are two types of Temporary Track Barricade Signs:

Type 1: An octagonal reflectorized red metal sign which has the word “Barricade” stenciled on it in white letters:



Type 2: This sign consists of 2 sections: The lower section is approximately 3 feet in height, is outlined in yellow, and displays 4" wide orange and white diagonal stripes made from reflectorized material. The upper section consists of a red pipe with two angled brackets which hold red flags. A 7" red flashing strobe light is mounted at the top of the pipe, and is shaded by a yellow sun visor:



36-S3. MAIN TRACKS

In the application of Rules 14 and 136, all tracks that are governed by Interlocking, ABS or DCS Rules are considered Main Tracks.

36-S4. MATERIAL HANDLING CARS

Amtrak Material Handling Cars, Series 1500-1569 must not be moved unless doors are properly closed and secured.

36-S5. TRAINS PERFORMING BAGGAGE OR MAIL WORK

When a train is to perform baggage or mail work, the Conductor must have a job briefing with all crew members to confirm each individual's responsibilities regarding the baggage or mail work.

The Conductor must ensure that all baggage or mail work is completed and doors are secure before authorization is given for the train to proceed. The Conductor must not rely on information from non-crew members to determine when the work is complete and doors are secured. The Conductor (or other designated crew member) must make this determination through direct visual observation.

Permission to proceed must only be given verbally or by hand signal. At locations where baggage or mail work is performed, the Engineer must not accept the communicating signal as authority to proceed.

36-S6. RWP FLAGS AND TAGS

RWP flags and tags are used in conjunction with certain Roadway Worker Protection (RWP) safety procedures. An RWP flag is a reflectorized orange flag with black letters "RWP." An RWP tag is a fluorescent orange tag with the words "RWP PROTECTION. DO NOT REMOVE" on one side, and "DO NOT REMOVE. EMPLOYEE AT WORK" on the reverse side.

RWP flags are erected at derails applied to prevent entrance to track segments fouled by Roadway Workers, to make the derail more visible to approaching trains.

RWP tags are fastened to locks or other securing devices applied to switches or derails positioned to prevent entrance to track segments fouled by Roadway Workers, to prevent unauthorized employees from removing the securing device.

RWP tags are also attached to the controls of unattended engines that are located within a track segment fouled by Roadway Workers, to prevent unauthorized movement. Engines with an RWP tag attached to the controls must not be moved.

RWP flags and tags may be removed only by the Roadway Worker in charge of the working limits, or by another Roadway Worker who has been authorized by the Roadway Worker in charge of the working limits.

36-S7. HAULING DEAD ENGINES

a. Position in Train: Engines equipped with draft gear hauled "dead" in a train should be placed next to the hauling engine. Under no circumstances may they be placed further than 35 cars from the hauling engine.

b. Coupler & Brake Requirements for Consecutive Coupling: Each engine unit must be counted as a car. Engine units must be separated by one or more cars with operative air brakes unless it is known that:

1. Engine units are equipped with alignment control couplers,
AND
2. The air brake equipment on each unit incorporates a brake valve vent.

The engines may be coupled consecutively if these conditions are met.

36-S8. OPERATING THROUGH WATER WITH ROLLER BEARING JOURNALS

Engines and cars equipped with roller bearing journals must not be operated through water, except in an emergency when authorized by the Dispatcher. In such a case, the movement must not exceed 2 MPH, and water depth as measured from the top of the rail must not exceed the following:

EQUIPMENT TYPE	WATER DEPTH
Non-NJT Electric Engines, Classes AEM-7, ALP-46 & ALP-44	6 inches
NJT Electric Engines Classes ALP-46 &ALP-44	3 inches
HST & HHP-8	4 inches
Other Electric Engines and MU Cars	2 inches
NJT P-40BH Diesel Engines	2.5 inches
Other Diesel Engines	3 inches
Rail Diesel Cars; Cars Other than MU's	7 inches

**36-S9. AMT-3: AIR BRAKE AND TRAIN HANDLING RULES AND INSTRUCTIONS:
3.5.12 LOCKING LOCOMOTIVE DOORS**

New Instruction Added:

- A. Locomotives and Cab Cars, including multiple unit consists, that are left unattended on a mainline track or mainline siding must have all doors locked to protect against unauthorized entry. This instruction applies even if Locomotives and/or Cab Cars are coupled to other equipment.
- B. If Locomotive or Cab Car Doors will not lock due to a defect, note defect on MAP 100 and notify CNOC mechanical desk at 1-800-424-0217.

**36-S10. AMT-3: AIR BRAKE AND TRAIN HANDLING RULES AND INSTRUCTIONS:
5.1.10 TRAIN BRAKING**

Instruction 5.1.10, paragraph B revised to change section 5.2.4 to 5.2.5:

- B. Trains Other Than Mixed Consist - The procedures outlined in Section 5.2 will be used to slow or stop Trains Other Than Mixed Consist. When operating electric locomotives, do not use the procedures in Section 5.2.4 5.2.5 unless dynamic brake is inoperative.

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SPEEDS—MAXIMUM AND VARIOUS

37-S1. SPEED TABLE

Engineers of trains that will operate at speeds greater than 20 MPH must verify the accuracy of the speedometer as soon as possible after departure. If the speedometer is not accurate to within plus or minus 3 MPH at speeds of 10 to 30 MPH, or to within plus or minus 5 MPH at speeds above 30 MPH, Engineers must verbally report the variance to the Dispatcher as soon as practical, and must note the variance on the prescribed form.

TIME PER MILE		MILES PER HOUR	TIME PER MILE		MILES PER HOUR
MINS.	SECS.		MINS.	SECS.	
0	24.0	150	0	48.0	75
	24.8	145	0	51.4	70
	25.7	140	0	55.4	65
	26.7	135	1	00	60
	27.7	130	1	5.5	55
0	28.8	125	1	12	50
0	30.0	120	1	20	45
0	31.3	115	1	30	40
0	32.7	110	1	43	35
0	34.3	105	2	00	30
0	36.0	100	2	24	25
0	37.9	95	3	00	20
0	40.0	90	4	00	15
0	42.4	85	6	00	10
0	45.0	80	12	00	5

37-S2. ENGINE SERVICING TRACKS AND CAR SHOP REPAIR TRACKS

Movements on Engine Servicing Tracks or Car Shop Repair Tracks must operate at Restricted Speed, not exceeding 5 MPH.

37-S3. TURNOUTS AND CROSSOVERS

All hand-operated crossover and turnouts:

Diverging movements 10 MPH

Non-interlocked crossovers and turnouts:

Diverging movements 10 MPH

37-S4. SPECIAL MAXIMUM SPEEDS

EQUIPMENT	MPH
Circus Trains	30
Freight and work trains handling machinery of rotary or swinging type, such as cranes, derricks, steam shovels, etc., moving on own wheels on straight track	30
on curves	20
Mineral Freight Trains	30
(See Special Instruction 35-S5, page 273)	
(NHB Line) "Providence & Worcester" Mineral freight Trains between New Haven and Boston	40
(PH Line) Mineral Freight Trains Eastward between Wynnewood and Overbrook .	20
Note: When handling such trains, conductor must know that the engineer has been so advised.	

37-S4. (Cont'd)	
EQUIPMENT	MPH
Snow Plows in service	20
Snow Flangers in service	20
Passing station platforms, trains on adjacent tracks and over all grade crossings	5
Note: When plowing, snow plow must be pushed with front end of engine coupled to plow. If engine is improperly turned and there are no facilities for turning, then a steel gondola should be placed between the plow and engine.	
Passenger train assisted by an engine on rear and air brake controlled by leading engine	30
Passenger trains consisting of more than 30 cars	60
Pushing Cars-Freight Trains	20
TPIX (Tropicana) Cars: Northward trains consisting of only loaded TPIX cars on the PW Line between MP 123 and MP 106	40
Trains handling pulpwood logs in bulkhead flats in multiple track territory	
On straight tracks	25
On curves	15
Trains with scale test cars or Jordan Spreader	25
Trains handling welded rail cars	40
Trains handling Speno Ballast Cleaning or Sweeper equipment	30
Trains handling Snow Plows and Flangers not in service	30
Trains handling steel slabs and ingot molds	40
Trains handling Subway Cars	40
Engines operating backwards by night over public crossings	15
An engine consist of more than one unit is considered as operating backward when the employee in the leading unit does not have full control of the engine.	
Trains with snow loader and snow melter units not in service	30
Note: Loader and melter units to be coupled and moved in train with loaded unit trailing.	
Trains with loaded Amtrak tie cars series AMT 15500-15594, in consist	45
This restriction applies to cars loaded with concrete or wood ties.	

37-S5. ENGINES & EQUIPMENT: MAXIMUM SPEEDS, UNLESS OTHERWISE RESTRICTED; DIMENSIONS

Engine numbers other than those listed below must not be run over any portion of the Northeast Corridor unless authorized by Form D.

NOTES:

1. Numbers shown in “Equip. Dimen.” column denote relative engine or car dimensions, smallest being 1, largest being 8 (see pg. 286, 292). Each Line’s Special Instruction “40-x1” shows maximum dimension equipment that may be operated at each listed location.
2. The symbol ≤ denotes AC Electric Engines.
3. The symbol ▼ denotes dual mode equipment. When operated in DC electrified territory, must be considered to be a DC electric engine, unless third rail contact shoes are removed or raised to position preventing contact with third rail.
4. Locomotives equipped with **Locomotive Speed Limiters (LSL)** must not exceed the maximum authorized speed for freight trains.
5. Locomotives equipped with **cab roof awnings** must have them folded flush against the cab when operating on, or adjacent to, Northeast Corridor main or running tracks.
6. The symbol Δ denotes dual mode equipment able to operate as either diesel or AC electric engine. When operated in AC electrified territory, must be considered to be AC electric engine unless it is known that pantograph(s) are down and ground hooks applied to prevent contact with catenary.

Engine No.	Bldr. Model	Speed MPH			Equip. Dimen.	Notes at End of Table
		Lite	Mltp. Lite	With Train		
AMTRAK						
1-207	P-42BH	50	50	110	1	...
401-409	F40PH	50	50	100	4	...
500-519	P32-BWH	50	50	100	4	...
520-527	GP38 H-3	50	50	65	4	...
530-539	MP-15	30	50	65	3	...
540-541	SW1500	30	45	60	3	...
550-567	SW1200	30	45	50	2	S
569	SW1001	30	45	60	2	S
570-579	GP-15	50	50	65	2	...
599	2GS12B	30	45	50	4	C
600-649≤	ACS-64	50	50	125	1	...
650-664≤	HHP-8	50	50	125	1	...
700-717▼	P32AC-DM	50	50	110	1	...
720-724	GP38	30	50	65	3	...
737	SW1	30	45	50	4	C
790-799	SW1000	30	45	50	2	S
800-832, 835, 837, 839	P-40BH	50	50	110	1	...
900-953≤	AEM-7	50	50	125	1	...
B&M / GTI / ST / MEC						
12, 15	GP7	30	50	65	3	...
45, 51, 52, 54, 62, 71, 72, 77	GP9	30	50	65	3	...
203-216	GP35	30	50	65	4	...
252	GP38	30	50	65	4	...
300-355, 370-381	GP40	30	50	70	4	K
500-519	GP40-2	30	50	70	5	K

37-S5. (Cont'd)

Engine No.	Bldr. Model	Speed MPH			Equip. Dimen.	Notes at End of Table
		Lite	Mltip. Lite	With Train		
CDOT						
125-130	BL-20	50	50	75	2	...
833, 834, 836, 838, 840-843	P-40BH	50	50	110	1	...
6690-6691	F7M	50	50	80	3	...
6694-6699	GP40-2H	50	50	80	4	...
CP Rail / D&H						
5670,5677, 5678,5689, 5690,5697, 5698	SD40-2	40	50	60	5	B, K
7303-7312	GP38-2	30	50	65	4	...
JTCX						
5711, 5809	E-8A	50	50	90	4	G
8850	SLUG	40	40	65	3	...
9275, 9276, 9625	SW1500	40	40	65	5	C
LIRR						
101,102 104,105	SW1001	40	40	40	2	S
150-172	SW1500	40	40	65	3	...
400-422	DE30-C	40	40	80	2	E, S
500-522 ▼	DM30-C	40	40	80	1	E
MARC						
10-36	MP36PH	50	50	90	4	...
51-69	GP40-WH2	50	50	100	4	...
70-75	GP39H-2	50	50	90	4	...
7100	Power Car	30	50	80	4	...
4900-4903 ≤	AEM-7	50	50	125	1	...
4910-4915 ≤	HHP-8	50	50	125	1	...
MBTA						
010 & 011	MP36PH-3C	50	50	90	4	...
902, 904	GP9	50	50	60	4	T
1000-1017	F40PH	50	50	100	4	...
1025-1036	F40PHM	50	50	100	4	...
1050-1075	F40PHC	50	50	100	4	...
1115-1139	GP40-MC	50	50	100	4	...
3248 & 3249	GS21B	50	50	70	4	...
MNRR						
101-106	GP35	45	50	70	3	...
110-115, 125-130	BL-20	50	50	75	2	...
201-231	P32AC-DM	50	50	110	1	D
NJT						
502	SW1500	30	45	60	3	...
1001-1005	MP20B-3	30	50	70	2	...

37-S5. (Cont'd)

Engine No.	Bldr. Model	Speed MPH			Equip. Dimen.	Notes at End of Table
		Lite	Mltpl. Lite	With Train		
NJT						
4000-4032	PL42-AC	↓	↓	↓	4	...
Newark, NJ-Philadelphia		50	50	100		
All other routes		50	50	90		
4100-4112	GP40-PH2	30	50	70	4	K
4113-4129	F40PH-2B	30	50	100	4	...
4135-4144	GP40FH-2	50	50	100	4	...
4145-4150 4200-4219	GP40PH-2	30	50	100	4	...
Erie 834 & 835	E8A	50	50	80	4	...
4300-4303	GP40-2	30	50	100	4	...
4400-4431 ≤	ALP-44	50	50	100	1	...
4500-4534 Δ	ALP-45DP	50	50	90	1	V
4600-4628 ≤	ALP-46	50	50	100	1	...
4629-4664 ≤	ALP-46A	50	50	100	1	...
4800-4803	P-40BH	50	50	110	1	...
Engines Marked MNR Operated by NJT:						
4193 & 4194	F40PH-2	50	50	100	4	...
4900-4905	GP40FH-2C	30	50	100	4	...
4906	GP40PH-2M	30	50	80	4	...
4907-4914	F40PH-3C	50	50	100	4	...
NCDOT						
1755, 1797	F59PHI	50	50	100	5	...
1792	GP40H2	50	50	100	4	...
P & W						
562, 582	B40-8W	30	60	70	4	C
GMTX: 2177, 2183, 2188 & 2192	GP38-2	30	50	65	3	C
2006-2009	GP38-2	30	50	65	3	...
2010-2011	GP38	30	50	65	3	...
2201	U-23-B	30	50	65	4	K
2215-2216	7-23B	30	50	65	4	K
3001-3003	GP-40	30	50	70	5	B, K
3004-3008	B30-7A	30	50	65	3	K
3901-3909	B39-8	30	50	70	3	K
4001-4004	B40-8	30	60	70	3	...
4005	B40-8W	30	60	70	4	...
CEFX: 3164, 3173	SD40-2	30	60	70	4	C, K
GMTX: 9014 & 9059	SD60	30	60	70	4	K
SEPTA						
50	BL-1500	30	45	60	3	...
51, 52	SW1200	30	45	60	3	...
60-61	RL1000	30	50	65	3	...
70	2GS14B	30	45	60	3	...

37-S5. (Cont'd)

Engine No.	Bldr. Model	Speed MPH			Equip. Dimen.	Notes at End of Table
		Lite	Mltip. Lite	With Train		
SEPTA (Cont'd)						
2301-2307≤	AEM-7	50	50	125	1	...
2308≤	ALP-44	50	50	100	1	...
VRE						
V20 & V23	GP-40H-2	50	50	100	4	...
V50-V69	MP36PH-3	50	50	90	4	...
WEST CHESTER RAILROAD						
1803	RS-18	30	50	65	3	...
CSO/NECR						
417, 437	GP40-3	30	50	65	4	...
1900, 1901	SD9	30	50	65	5	K
CSO 2340	SW-1500	30	45	60	4	...
CSOR: 3398, 3399, 3771	SD40-2	30	50	65	5	K
CSOR: 2021, 2038, NECR: 3840, 3843- 3848, 3850- 3857	GP-38	30	50	65	4	...
NECR 5032	SD40	30	50	65	5	C, K
NECR 6281	SD40	30	50	65	5	K
5215	SLUG	...	50	50	4	K
8511, 8530, 8552, 8554, 8565, 8579	B39-8	30	50	70	4	K
CSXT						
1-494	CW44AC	30	50	70	5	B, C, K
495-556	CW44AH	30	50	70	5	B, C, K
557-599	CW44AH	30	50	70	5	B, K
600-602	CW60AC	30	50	70	5	C, K
603-698	CW60AC	30	50	70	5	B, K
699	CW44-6	30	50	70	5	B, K
700-949	ES44AH	30	50	70	5	K
950-999	ES44AC	30	50	70	5	K
1006, 1008-1010, 1013, 1015-1018	MT6	30	45	50	6	C, K
1021-1024, 1040, 1042- 1048, 1050-1066, 1068	SWMT	30	45	50	4	C
1100-1112, 1114-1119	SW 1500	30	45	50	5	C
1122-1124, 1127	SW1001	30	45	60	4	C
1128	SW1001	30	45	60	4	...
1130-1139, 1150-1194	MP15AC	30	45	60	5	C
1140-1149	MP15	30	45	60	5	C
1200-1241	MP15T	30	45	60	5	C, K
1300-1303, 1322	3GS21B	30	45	60	5	C
1304-1307	3GS21B	30	45	60	4	B
1314-1316, 1321	B36-3GS	30	50	70	5	...
1500-1524	GP15T	30	50	65	4	C

37-S5. (Cont'd)

Engine No.	Bldr. Model	Speed MPH			Equip. Dimen.	Notes at End of Table
		Lite	Mltip. Lite	With Train		
CSXT (Cont'd)						
1534-1536, 1539, 1541, 1542, 1548, 1551-1553	GP15	30	50	65	4	C
1537, 1538, 1540, 1543-1547, 1549, 1550	GP15	30	50	65	4	...
2200-2374, 2377-2380	RDSLUG	30	50	65	5	C
2411-2419, 2422-2442	SD40-2	30	50	65	5	C, K
2443-2445	SD38-2S	30	50	65	5	C, K
2450-2454	SC38-2	30	50	65	5	C, K
2461-2463	SD38	30	50	65	5	B, C, K
2474-2499	SD50-2	30	50	70	5	C, K
2709, 2719, 2723	GP38-2	30	50	65	4	C
2717, 2718, 2720, 2724, 2740, 2793	GP38-2	30	50	65	4	...
2735, 2746, 2788, 2795, 2798, 2804, 2807, 2810, 2812-2814	GP38-2	30	50	65	5	...
2794, 2796, 2797, 2799-2803, 2806, 2808, 2809, 2811	GP38-2	30	50	65	5	B, C
3000-3174	ES44AH	30	50	70	5	K
4282, 4283, 4287, 4293-4295, 4297-4299	GP39	30	50	65	5	B, C, K
4300-4319	GP39-2	30	50	65	5	B, C, K
4405, 4406, 4412, 4415, 4418, 4422, 4423, 4429, 4431, 4441, 4450, 4451	GP40-2	30	50	70	4	K
4424-4428, 4430, 4432, 4434-4436, 4439, 4442, 4449, 4452	GP40-2	30	50	65	4	C, K
4500-4589	SD70AC	30	50	70	5	C, K
4590-4602	SD80AC	30	50	70	5	B, K
4607, 4612, 4617, 4621	SD40	30	50	65	5	C, K
4675-4699	SD70M	30	50	70	5	C, K
4701-4830	SD70AC	30	50	70	5	K
4831-4850	SD70AE	30	50	70	5	K
5000-5016	CW60AC	30	50	70	5	B, K
5101-5122	CW44AH	30	50	70	5	B, K
5200-5501	ES44DC	30	50	70	5	K
5507-5512, 5529, 5535, 5554, 5568, 5569, 5575, 5580, 5581	B30-7	30	50	70	4	C, K
5834, 5839	B36-7	30	50	70	4	K
5875, 5877, 5878, 5880, 5884, 5885, 5887, 5891, 5894, 5897, 5902-5904, 5910, 5911, 5914	B36-7	30	50	70	4	C, K

37-S5. (Cont'd)

Engine No.	Bldr. Model	Speed MPH			Equip. Dimen.	Notes at End of Table
		Lite	Mltip. Lite	With Train		
CSXT (Cont'd)						
5930-5959	B40-8	30	50	70	4	C, K
6137, 6139, 6346, 6352, 6355, 6356, 6362, 6392, 6398, 6399	GP38-2S	30	50	70	4	C
6150, 6151, 6155, 6157-6159, 6234, 6237, 6239, 6242, 6245	GP38-2S	30	50	70	4	B, K
6149	GP40-2	30	50	70	5	C, K
6152, 6153, 6156, 6160, 6209-6230, 6232, 6233, 6235, 6236, 6238, 6240, 6241, 6243, 6244, 6246-6249, 6280, 6295, 6318, 6341	GP40-2	30	50	70	4	B, K
6201, 6203-6207	GP40-2	30	50	70	4	...
6361, 6363, 6364, 6388, 6390, 6391, 6393-6397, 6400-6499	GP40-2	30	50	70	4	C, K
6595	GP40	30	50	65	4	C, K
6897-6899	SD60	30	50	70	5	C, K
6900-6909, 6911-6943, 6947, 6951-6973	GP40-2	30	50	70	4	C, K
7300-7396	CW40-8	30	50	70	5	B, K
7489-7498, 7500-7519, 7521, 7648	C40-8	30	50	70	4	C, K
7650-7917	CW40-8	30	50	70	5	C, K
7918-7929	CW40-8	30	50	70	5	K
8421, 8423, 8425-8427, 8429-8432, 8435-8437, 8439-8488	SD40-2	30	50	65	5	C, K
8611, 8620, 8624, 8628, 8629, 8635, 8641, 8662, 8665, 8667	SD50	30	50	70	5	C, K
8634, 8636-8640, 8642, 8643, 8660, 8661, 8666	SD50-2	30	50	70	5	C, K
8700-8721, 8787-8790	SD60	30	50	70	5	C, K
8722-8732, 8734-8736, 8738-8746, 8748-8755	SD60i	30	50	70	5	B, C, K
8733, 8737, 8747	SD60i	30	50	70	5	B, K
8756-8765, 8767-8786	SD60M	30	50	70	5	K
8829-8831, 8834, 8840, 8841, 8843, 8845, 8848, 8852, 8854-8857, 8860, 8864-8869, 8874, 8880, 8882, 8885, 8886	SD40-2	30	50	70	5	B, K

37-S5. (Cont'd)

Engine No.	Bldr. Model	Speed MPH			Equip. Dimen.	Notes at End of Table
		Lite	Mltip. Lite	With Train		
CSXT (Cont'd)						
8832, 8833, 8836, 8839, 8842, 8844, 8846, 8849, 8850, 8851	SD40-2	30	50	70	5	K
8835, 8838, 8853, 8863, 8870-8873, 8875-8879, 8881, 8883, 8884, 8887-8889	SD40-2	30	50	70	5	B, C, K
8984	SD45-2	30	40	40	5	C, K
9000-9052	CW44-9	30	50	70	5	C, K
9992, 9993	F40PH-2	50	50	100	4	...
9998, 9999	F40PH-2	50	50	100	5	...
NS/PRR						
700-736	RP-E4C	30	50	70	5	B
912-941	RP-E4D	30	50	70	3	C
1000-1124	SD70ACe	30	50	70	5	B, K
1700-1705	SD45-2	30	40	40	5	B, K
2100-2110	SW-1001	30	45	60	5	B
2200-2239	SW-1500	30	45	60	5	B
2501-2540 2557-2580	SD-70	30	50	70	5	B, K
2541-2556	SD-70	30	50	70	5	B, C, K
2581-2648	SD-70M	30	50	70	5	B, K
2649-2778	SD-70M-2	30	50	70	5	B, K
3000-3028, 3034-3064	GP40-2	30	50	70	4	...
3029-3033	GP40-2	30	50	70	4	U
3071-3076	GP40-2	30	50	70	5	B
3077-3102	GP40-2	30	50	70	5	B, C
3170-3200	SD40	...	...	...	...	P
3329-3447	SD40-2	30	50	65	5	B, K
3522-3564	D8-32B	30	50	70	5	B, C, K
3800-3820	SD-38	30	50	65	5	B, K
4100-4159	GP38AC	...	...	...	...	P
4270, 4271	F9A	50	50	90	4	G
4275, 4276	F7B	50	50	90	4	G
5000-5016	GP38-2	...	...	...	...	P
5226-5393	GP38-2	30	50	65	4	...
5400-5445	SD50	30	50	70	5	B, K
5601-5680	GP38-2	30	50	70	5	B
5801-5889	GP38-3	30	50	70	5	B
6300-6359	SD40-E	30	50	65	5	B, K
6550-6700	SD60	30	50	70	5	B, C, K
6702-6716	SD60	30	50	70	5	B, K
6717-6762	SD60I	30	50	70	5	B, K
6763-6806	SD60M	30	50	70	5	B, K
6900-6999	SD60E	30	50	70	5	B, K

37-S5. (Cont'd)

Engine No.	Bldr. Model	Speed MPH			Equip. Dimen.	Notes at End of Table
		Lite	Mltip. Lite	With Train		
NS/PRR (Cont'd)						
7200-7216	SD80MAC	30	50	70	5	B, K
7500-7719	ES40DC	30	50	70	5	B, K
8000-8165	ES44AC	30	50	70	5	B, K
8300-8313	D8-40C	30	50	70	5	B, K
8314-8467	D8-40CW	30	50	70	5	B, K
8689-8763	D8-40C	30	50	70	5	B, C, K
8764-8888	D9-40C	30	50	70	5	B, C, K
8889-9128	D9-40CW	30	50	70	5	B, C, K
9129-9978	D9-40CW	30	50	70	5	B, K

NOTES:

All CSX & NS Engines Prohibited as Follows:

- Between Hudson and Harold.
- Tracks 1 & 4 between Overbrook and Paoli.
- Pit Track through Harrisburg Station.
- Through Baltimore Penn Station, except via 1 or F tracks.

Restrictions designated in applicable Line Special Instructions will apply at all other locations. Conductors or Engineers in charge of trains prohibited at any of the above locations must contact the Amtrak Dispatcher for instructions before entering the Northeast Corridor.

"Notes at End of Table" for Equipment Operation:

- B** - May operate PW Line through B&P Tunnel between Charles and Bridge.
- C** - Prohibited from operating as a lead unit in CSS territory.
- D** - Before movement, third rail shoes must be removed.
- E - Exception:** When verbally authorized by Dispatcher at PSCC, may operate through the North River Tunnels *via tracks 3x and 4x only.*
- G** - May operate at maximum passenger train speed when hauling passenger equipment exclusively. LSL freight train speed restriction does not apply to these engines.
- K** - Locomotive exceeds 290,000 pounds gross weight.
- P** - Engines prohibited on all Northeast Corridor Territory.
- S** - May operate between Bergen & Harold, and A & Empire only when verbally authorized by Dispatcher at PSCC.
- T** - May operate on DB Line. On NHB Line, must not operate any further west than distance necessary for movement to clear Atwells Int. On MM Line, may operate between Cabot & Tower 1.
- U** - May operate on Tracks 6 or 7 thru Baltimore Penn Station.
- V** - Dual mode equipment able to be operate as either diesel or AC electric engine.
If operating in diesel mode, crew must notify the Dispatcher when entering the Amtrak Northeast Corridor.

Equipment Dimension Codes (engines & cars):

- Unrestricted operation on NEC not exceeding 14' 8"
- May operate Between Bergen & Harold, and A & Empire only when verbally authorized by Dispatcher at PSCC.
- Plate B not exceeding 15' 1"
- Plate C not exceeding 15' 6"
- Plate E not exceeding 16' 2"
- Plate F, and TOFC/COFC not exceeding 17' 2"
- Auto racks not exceeding 19' 0"
- Plate H (double stack) not exceeding 20' 2"

37-S5. (Cont'd)

CARS		
AMTRAK	Spd	Equip Dim
Amfleet Inspection Cars 10001, 10002, and 10005	125	1
Office Car 10020-10022	110	1
Amfleet car series 20000-22999, 25000-26999, 28000-28999, 42000-44499, 48000-48999	125	1
Michigan car series 44550-44999	125	1
Amfleet Capstone car series 81000-81499, 82000-82499, 83000-83499, 85000-85499; and Push-Pull equipped series 81500-81999, 82500-82999, 83500-83999, 85500-85999	125	1
Capitoliner Control Cars series 9632-9641*, 9643-9647, 9649-9651; Conference Car 9800	125	1
* Note: See restrictions for car 9637 in SI's 40-H1 (pg 144), 40-E1 (pg 151), 40-T1 (pg 163), 40-N1 (pg 183), 40-P1 (pg 207) & 40-W1 (pg 222)		
Amfleet or Capitoliner cars with over-inflated air bellows (air springs):		
(a) Through crossovers and turnouts	15	1
(b) All other movements (see S.I. 34-S1 , pg 271)	30	
Amfleet or Capitoliner cars with defective bolster anchor radius rod (Also see AMT-3 instructions 9.2.3 & 9.4.3)	30	
◆ Horizon passenger car series 51000-54599, 58000-58109	125	1
◆ Note: Horizon Food Service cars series 53000 & 58000 are prohibited from operating in territory equipped for DC electrical (3rd rail) operation (see SI's 47-N1 & 47-T1). Exception: Cars 53501, 53505, 53509, 53510 & 53511 may operate in territory equipped for DC electrical operation.		
Viewliner Inspection Car 10004 (see S.I. 41-S10 , pg 295)	110	1
Viewliner cars 8400, 62000-62090(see S.I. 41-S10 , pg 295)	110	1
Heritage car series 2500-2524, 7005, 8501-8559	110	1
Dome lounge 10031	90	5
Superliner I & II car series 31000-39046	100	5
High Level car series 39940-39975	90	5
Non-Powered Control Units (NPCU), Series 90200-90415	100	4
Baggage cars 1000-1272, 1701-1763, 1800-1802, 1850-1857, 10093-10095	110	1
Material Handling Cars Series MHC 1500 to 1569	110	1
LDSL Cars: Baggage Cars 61000-61084; Sleeping Cars 62500-62534; Diners 68000-68039; Bag-Dorm Cars 69000-69039	90	1
SEMI-PERMANENTLY COUPLED TRAINSETS	Spd	Equip Dim
Turboliner Cars RTL Nos. 2131-2162, 2270-2389	110	1
Note: This equipment is dual mode. When operated in DC electrified territory, it must be considered to be a DC electric engine unless third rail contact shoes are removed or raised to position preventing contact with third rail. Turboliner equipment must not be left unattended unless wheels are chocked.		
High Speed Trainset (HST) Cars 2000-2039 (power cars), 3200-3219, 3300-3319, 3400-3419, 3500-3559, and Instrumented Car 10003	150	1
HST cars with deflated air springs	90	
HST cars with over inflated air springs:		
Non-diverting routes	30	
Diverting routes	15	

37-S5. (Cont'd) — CARS

SEMI-PERMANENTLY COUPLED TRAINSETS (Cont'd)		Spd	Equip Dim
HST Power Cars (2000-2039) operating with shroud raised on:			1
Leading Power Car		50	
Trailing Power Car		125	
HST towed with shroud raised		125	
HST operating without either a 3200 or 3400 series car (or the instrumented car 10003) adjacent to each powercar		125	
HST Power Cars 2000-2039, Lite		50	
HST Power Cars 2000-2039, Multiple Lite		50	
AMTRAK FREIGHT AND MW EQUIPMENT		Spd	Equip Dim
Ballast Hopper	11300 - 11392	50	2
Ballast Hopper	11500 - 11731	50	2
Ballast Hopper, Air Dump	11795 - 11899	50	2
Ballast Hopper, Electric Dump	11901 - 11920	50	2
Wire Train Gondola (Reel Car)	13031 - 13039	50	2
Gondola 100 Ton	13200 - 13400	50	2
Air Side Dump Car	13901 - 13967	50	2
Cabin Car	14030 - 14035	50	2
MFS-40 Conveyor Hopper	A14602 - A14616, A14619-A14638, A14642, A14643, A14650-A14654	50	2
52' 6" Flat Car	15002 - 15029	50	2
52' 6" - 6 axle Flat Car	15030	50	2
40' Flat car equipped with fan	15051, 15054	50	2
40' Flat Car	15056 - 15058	50	2
Wire Train Tower Car	15188 - 15197	50	2
53' 6" Flat Car	15201 - 15225	50	2
CWR Plant Flat	15234 - 15240	50	2
Flat Car	15242 - 15248	50	2
Van Module Flat Car	15446	35	2
Concrete Tie Car	15500 - 15594	50	2
89' Flat Car	15610, 15612 - 15651	50	2
Flat Car for SES PK2 Crane A18201	15611	50	2
53' 6" - 6 axle Flat Car	15658 - 15799	50	2
53' 6" Flat Car	15800 - 15824	50	2
53' 6" - 6 axle Flat Car	15900	50	2
Wire Train Rider Car (pass)	16309 - 16312	50	2
Baggage Car	16320	50	2
Office Car	16719	50	2
50' MHC	16800 - 16808	50	2
Baggage Car	17011 - 17032	50	2
Box Car	17033 - 17037	50	2
RPO/Baggage Car	17041 - 17107	50	2

37-S5. (Cont'd) — CARS

AMTRAK FREIGHT AND MW EQUIPMENT (Cont'd)	Spd	Equip Dim
Switch Exchange System Car A18001 - A18004		
Empty	50	2
Loaded (See SI 41-S9) .....	...	...
A18101 with PK1 crane A18301	50	2
A18102 with PK1 crane A18302	50	4
DRGW 89' Escalator Flat Car 21738	50	2
KRL 70' Flat Cars 701200-701227	50	2
Herzog Air Dump Ballast Hoppers Series HZGX 3979, 6301-6386, 6639, 6686, 7417, 7764, 8682-8697, 8700-8774, 9156-9277, 9477, 9482, 9537, 9601-9695, 9722-9797, 9840-9893, and 9924-9979	50	2
PRIVATE CARS (see SI 34-S4, pg. 271)	Spd	Equip Dim
Type A	pnr	1
Type B	pnr	4
Type C	pnr	5
Type D	pnr	5
Type ND: Prohibited on Northeast Corridor	...	...
C.D.O.T.	Spd	Equip Dim
Passenger Cars Series 1600-1606	90	3
Passenger Car Series 1614-1616, 1640-1646, 1648 & 1650 & Control Car Series 1687, 1691-1697, 1699	100	3
With over or under inflated air bellows (bags)	40	...
Passenger Car Series 1621-1631, 1633 (odd numbers only)	90	3
Passenger Cars 1730-1774 (even numbers only)	80	1
Control Cars 1001, 1671, 1673, 1675, 1680-1682	90	3
Control Cars 1701, 1703, 1705, 1707, 1709, 1711, 1713, 1715, 1717 & 1719	80	3
CSX	Spd	Equip Dim
Office Cars Nos. 300, 307, 308, 310, 315, 318, 362 & 363	110	1
Office Cars Nos. 317, 319 & 350	90	4
Note: Office Car 361 is <i>prohibited on the NEC</i>	...	...
LIRR	Spd	Equip Dim
** LIRR C-3 Bi-Level (Trailer with and without toilet), Car Nos. 4001-4134, Bi-Level (Control) Car Nos. 5001-5023	80	1
LIRR M-3 Multiple Unit Cars: 9771-9946	80	
LIRR M-7 Multiple Unit Cars: 7001-7801	80	
** Exception: when verbally authorized by Dispatcher at PSCC, may operate through the North River Tunnels via Tracks 3x and 4x only.		

37-S5. (Cont'd) — CARS

Maryland D.O.T.		Spd	Equip Dim
MARC II Series 7700-7735, 7791-7799 coaches, and 7745-7762 control cars (Push-Pull Service)		110	1
Push or Pull with over or under inflated air bellows (air bags):			
Through crossovers and turnouts	30		
All other movements	60		
MARC III Series 7800-7834, 7870-7876, 7890-7896 & Control Cars 7845-7858:			4
Washington to Philadelphia	125		
All Other Routes	90		
Push or Pull with over inflated air springs (there is no restriction when air springs are under inflated):			
Through crossovers and turnouts	15		
All other movements	30		
MARC Gallery Cars Series 7900-7911	80	5	
MARC VI Series 8000-8033 coaches, 8090-8094 w/toilet	90	1	
★ MARC VI Series 8045-8059 control cars	90	1	
★ MARC VI control cars must not be operated as lead units in Cab Signal/ACSES territory unless equipped with proper ATC components/event recorder.			
MBTA		Spd	Equip Dim
Pullman Standard Cars (Nos. 200-258)		80	3
Bombardier Cars 350-389, 600-653 & 1600-1652		80	3
MBB Cars (Nos. 500-532 & 1500-1533)		80	3
Kawasaki Double Decker Coaches (Series 700, Series 900-932 & Series 1700)		80	4
ROTEM Coaches: 800-846		80	4
ROTEM Cab Cars: 1800-1827		80	4
NOTE: All MBTA cars with an over or under inflated air spring on one end of the car must not exceed 50 MPH on non-diverting routes, and 25 MPH on diverting routes. When two or more cars in consist have this condition, the train must not exceed 25 MPH on non-diverting routes, and 15 MPH on diverting routes.			
NJT		Spd	Equip Dim
Comet I Car Nos. 5707-5726, 5729-5735, 5737-5740, 5743-5746, 5748-5751		100	1
Comet IB Nos. 5220-5234		100	1
Comet II Car Nos. 5300-5459		100	1
Control Cars: Comet I Nos. 5100-5120, 5122-5131, 5133-5134, Comet II Nos. 5135-5154, Comet IB Nos. 5155-5169:			1
Pull Mode	100		
Push Mode	90		
Comet III Control Car Nos. 5000-5008		100	1
Comet III Car Nos. 5200-5205, 5500-5534		100	1
Comet IV Control Car Nos. 5011-5031		100	1
Comet IV Car Nos. 5235-5269, & 5535-5582		100	

37-S5. (Cont'd) — CARS		
NJT (Cont'd)	Spd	Equip Dim
Comet V Car Nos. 6200-6213 (toilet), 6500-6601 & Comet Car Nos. 6000-6083:		1
Newark, NJ to Philadelphia	100	
All Other Routes	90	
Multi-Level Control Car Nos. 7000-7061 & Multi-Level Car Nos. 7200-7235, 7237-7298, 8800 (toilet), 7500-7767 (trailer)	100	1
Hopper Car Series 9124-9154	25	3
★NJT Wire Train Cars 9950 to 9952	60	3
★NJT Tool Car 9998	60	3
★Operation is <i>prohibited</i> east of Portal.		
Cars Marked MNR Operated by NJT:	Spd	Equip Dim
Comet V Control Cars Nos. 6700-6714	90	1
Comet V Car Nos. 6750-6754 (trailer w/toilet)	90	1
Comet V Car Nos. 6755-6799 (trailer, no toilet)	90	1
NJT Passenger Cars with over or under inflated air springs:		
(a) Through crossovers or turnouts	30	
(b) All other movements	60	
NJT - MULTIPLE UNIT CARS	Spd	Equip Dim
NJT Arrow III Nos. 1304-1533	80	1
When MU air springs are deflated or over inflated:		
(a) Through crossovers or turnouts	30	
(b) All other movements	60	
If overriding buffer plates occur on MU cars, Dispatcher must be notified immediately. Speed of train must not exceed 15 MPH, and when moving through crossovers and turnouts 5 MPH. Trainmen and passengers must not occupy or pass through vestibule area while train is in motion.		
North Carolina DOT	Spd	Equip Dim
Passenger Car 400000	90	1
Passenger Cars Series 400001-400005, 400008-400011, lounges 400201-400203	110	1
SEPTA	Spd	Equip Dim
Control Cars Series 2401-2410, 2460, 2461, & Passenger Cars Series 2501-2525, *2550-2559; 2590-2595		1
Pull Mode	100	
Push Mode	90	
Push or Pull with Air Springs Over or Under Inflated:		
(a) Through crossovers and turnouts	30	
(b) All other movements	60	
* End gates must be kept retracted, unless coupled to similarly equipped car.		
Cars 601, 602 & 610	75	1
Gel Train Control Cars 615, 622	65	3
Cabin Cars 2002 & 2010**	45	3
** These cars are prohibited east of Bergen, and on No. 4 River Line trk. at Girard.		

37-S5. (Cont'd) — CARS

SEPTA - MULTIPLE UNIT CARS	Spd	Equip Dim
SEPTA Silverliner II (Budd) Nos. 201-219, 251-269, 9001-9017	85	1
SEPTA Silverliner III (St. Louis) Nos. 220-239	85	
SEPTA Silverliner IV (GE) Nos. 101-188, 270-499	95	
SEPTA Silverliner V Nos. 701-738, 801-882	100	
Newark, NJ to Perryville, Philadelphia to Harrisburg		
All Other Routes	90	
When MU air springs are deflated or over inflated:		
(a) Silverliner IV & V through crossovers or turnouts	30	
(b) Silverliner IV & V, all other movements	60	
(c) Silverliners II & III through crossovers or turnouts	15	
(d) Silverliners II & III, all other movements	30	

If overriding buffer plates occur on MU cars, Dispatcher must be notified immediately. Speed of train must not exceed 15 MPH, and when moving through crossovers and turnouts 5 MPH. Trainmen and passengers must not occupy or pass through vestibule area while train is in motion.

◆US D.O.T.	Spd	Equip Dim
DOTX 216	125	1
DOTX 217 (<i>See SI 41-S13, page 295</i>)	90	4
DOTX 218	70	4
▶DOTX 219	90	4
▶DOTX 220	90	1
DOTX 221, 223	110	1

◆All US D.O.T. test cars must be towed by a locomotive, as they are not cab signal equipped (See SI 550-S1, pg 320).
 ▶DOTX 219 and DOTX 220 must be operated in accordance with Train Type "C" speeds.

VRE	Spd	Equip Dim
Passenger Car Series V405, V408, V412, V413, V415	80	5
Passenger Car Series V421-V430, V433, V437	80	5
Passenger Car Series V710-V730	80	5
Passenger Car Series V800-V819, V850-V879	80	5

NOTES:

Equipment Dimension Codes (engines & cars):

- 1** - Unrestricted operation on NEC not exceeding 14' 8"
- 2** - May operate Between Bergen & Harold, and A & Empire only when verbally authorized by Dispatcher at PSCC.
- 3** - Plate B not exceeding 15' 1"
- 4** - Plate C not exceeding 15' 6"
- 5** - Plate E not exceeding 16' 2"
- 6** - Plate F, and TOFC/COFC not exceeding 17' 2"
- 7** - Auto racks not exceeding 19' 0"
- 8** - Plate H (double stack) not exceeding 20' 2"

37-S6. AMTRAK FREIGHT EQUIPMENT

Unless otherwise restricted, Amtrak freight equipment is authorized to operate at freight train speeds.

37-S7. EQUIPMENT FITTED WITH INSTRUMENTED WHEEL SET (IWS)

To facilitate periodic train-track dynamics testing, one truck of certain cars will be refitted with an Instrumented Wheel Set (IWS). Since, by design, the brake system on an IWS equipped truck is either removed or cut out, no brake test is required on the IWS truck. IWS equipped cars will be considered as having 100% operative brakes, as long as the brakes on the non-IWS end of the car are operative. *When an IWS equipped car is operated in a train consisting of less than 3 cars (including the IWS car), train speed must not exceed 50 MPH.*

37-S8. AMTRAK TRAINS WITH MAIL, BAGGAGE AND EXPRESS (MB&E) CARS

This instruction applies to Amtrak trains with mail, baggage and express (MB&E) cars operating between Washington and Boston, or New Haven and Springfield. ***MB&E trains operating between Philadelphia and Harrisburg are governed by SI 37-G6, page 238.***

An "MB&E" car is a 1500 series MHC car; 1000, 1100, 1200, 1700 or 1800 series baggage car; or 70000, 71000 or 74000 series express mail car (see S.I. 41-S15, pg. 296). A "passenger carrying car" is a car designed to carry passengers and/or provide on-board services (e.g., coach, sleeper, food service car), not including private cars.

A. Trains with 14 cars or less may operate at Train Type C speeds if they have no more than 2 MB&E cars for each passenger carrying car.

B. Trains with 14 cars or less must operate at **Train Type D** speeds on the PW, NYP, NYT & NHB lines (see SI 37-P1, 37-N1, 37-T1 & 37-B1), and passenger train speeds not exceeding 80 MPH on other lines, if they have:

1. More than 2 MB&E cars for each passenger carrying car in consist, or
2. No passenger carrying cars in consist.

Exception: Trains of 14 cars or less that are handled by 1 or more AEM-7 or HHP-8 engines and have at least 1 passenger carrying car may operate at Train Type C speeds not exceeding 110 MPH, when the brakes on all cars are operative.

C. Trains with 15 to 24 cars may operate at Train Type C speeds if they have no more than 2 MB&E cars for each passenger carrying car, *and the brakes on all cars are operative.*

D. Trains with 15 to 24 cars must operate at **freight train** speeds if they have:

1. More than 2 MB&E cars for each passenger carrying car in consist, or
2. No passenger carrying cars in consist, or
3. Inoperative brakes on any car.

Exception: Trains with 15 to 24 cars that have more than 2 MB&E cars for each passenger carrying car, or inoperative brakes on any car, may operate at **Train Type D** speeds on the PW, NYP and NHB lines, and passenger train speeds up to 80 MPH on other lines, **if** they have at least 4 Amfleet, Horizon, Viewliner, or Heritage Sleeper cars, **and** no more than 15 MHC or baggage cars.

E. Passenger trains with more than 24 cars are prohibited on all NEC lines except the PH line.

37-S9. SUCX FLAT CARS

Unless otherwise restricted, SUCX Flat Cars 54019, 54031, 54048, 54062, 54063, and 54073 are authorized to operate at freight train speeds.

OTHER LOAD AND EQUIPMENT RESTRICTIONS

41-S1. EAST, NORTH RIVER AND EMPIRE TUNNELS AND PENN STATION—NEW YORK

The following applies to the movement and storage of passenger and freight equipment through the East and North River Tunnels and Penn Station:

1. All hatch covers on cars must be closed and secured before entering tunnels.
2. Cars excluded from movement:

Cars containing shipments of hazardous materials requiring placards under the provisions of the current issue of CR/NS HM1, Hazardous Materials Regulations.

3. Operating limitations which must be observed:

- (a) Passenger trains must not exceed 30 cars.
- (b) Freight trains must not exceed 50 cars.
- (c) Coal or charcoal ranges or heaters in kitchen or cabin cars of all steel construction must have fire banked prior to entering tunnels.

41-S1. (Cont'd)

(d) Passenger and freight train cars containing butane, propane or other compressed flammable gas for cooking, lighting, heating, refrigeration or other purposes are restricted, unless such gas has been drained from the containers on cars so equipped or portable containers with other types of gasses have been removed. **EXCEPTION:** Work trains may carry canisters of compressed oxygen and acetylene for welding and other maintenance activities within the confines of all HUD, NYT & NYP Line tunnels. Quantities must be limited to one day's expected use. Canisters of oxygen and acetylene, either empty or full, may not be stored in the tunnels.

4. GP type hoppers must not be operated on tracks equipped for third rail operation.

5. Diesel and Turbine engines in passenger service not capable of drawing propulsion power from 3rd rail must be hauled by electric engines between east portal of the East River Tunnels, west portal of the North River Tunnels and north portal of the Empire Tunnel. (Diesel and Turbine engines may be idling while being hauled). They may operate independent of third rail power only when authorized by the Dispatcher at PSCC. **EXCEPTION:** This instruction does not apply to diesel powered Sperry Cars, or other track maintenance equipment equipped with proper exhaust attachments.

41-S2. CARS EXCEEDING 263,000 POUNDS

Cars with gross weight exceeding 263,000 lbs. cannot be moved without permission of the General Manager.

41-S3. SINGLE-AXLE TRUCKS

Cars with single axle trucks must not be used as the rear car of any train operated in electrified territory. **EXCEPTION:** When necessary, Amtrak freight cars A18401 & A18402 may be used as the rear car of a work train moving to or from work locations. When this car is on the rear of a train, the Conductor must notify the Dispatcher. Rule 506, "Trains That Might Not Shunt," must be applied while the train is in ABS territory; and Rule 605, "Movements That Might Not Shunt," must be applied while the train is in interlocking limits.

41-S4. AMTRAK FREIGHT OR MW CARS

AMTRAK freight or MW cars must be examined by the Conductor to determine the restrictions. (Making note if the provisions of Rule 119 apply to their train.) The Conductor must notify the Dispatcher and Engineer of any restrictions affecting the movement of their train.

Trains containing this equipment are restricted as follows (Also see SI 41-S8, page 295):

Penn. Station, NY

Must run No. 11 or 12 tracks Penn. Station, N.Y.

*Cars 15003 & 15051-15062 may operate on Penn. Station, NY Tracks 1-16 & 18-21, but are prohibited on Track 17.

41-S5. AIR DUMP HOPPERS & GONDOLAS

Movement of trains with Air Dump Ballast Hoppers Series AMT 11795-11814, 11816-11834, 11836-11842, 11844-11847, 11849-11856, 11858-11899 and Air Side Dump Gondolas Series AMT 13900-13967, and Herzog Air Dump Ballast Hoppers Series HZGX 3979, 6301-6386, 6639, 6686, 7417, 7764, 8682-8697, 8700-8774, 9156-9277, 9477, 9482, 9537, 9601-9695, 9722-9797, 9840-9893, and 9924-9979 in consist must not be made with main reservoir hose coupled between engine and cars, except when coupled for the purpose of immediate dumping by direction of MW Foreman.

41-S6. OPERATION OF DOUBLE STACK CARS

Operation of double stack cars is prohibited on the Northeast Corridor, except under the following conditions:

1. No restriction applies to empty cars (i.e., flat car with no containers).
2. Single level loaded cars with axle loading not to exceed 65,000 lbs. may operate on any track where freight trains are permitted.
3. MERX type container cars loaded with two-tier trash containers, with height not to exceed 17' 2" and axle loading not to exceed 65,000 lbs., may operate between Attleboro and Mansfield.

41-S6. (Cont'd)

- Multi-unit double stack trash container cars not exceeding a height of 17' 0" above the top of the rail and axle loading not to exceed 65,000 lbs., may operate on the MRS Line between New Haven and West Springfield, and on the HUD Line between CP 156 and Poughkeepsie.

41-S7. AMTRAK BALLAST CARS

Amtrak 14600 series MFS-40 ballast cars mandate that the "A" end of the car must only be coupled to the "B" end of another MFS type ballast car. When the adjoining car is not an MFS-40 type ballast car, BMS or BMS-100, a flat car must be used as an idler car under the "A" end of the car. Coupling any other type of equipment to the "A" end of the car is prohibited.

41-S8. SWITCH EXCHANGE SYSTEM CARS

The following restrictions apply to the movement of Switch Exchange System (SES) cars A18001- A18004, A18101-A18102, Amtrak flat cars 15610-15619 and 15655-15799, and any other authorized flat cars when the cars are loaded with panels:

- They may be moved with a clearance form provided under Rule 119(a).
- They may be moved with the authority of, and when accompanied by, a qualified supervisor or MW Foreman. This supersedes the "required form" provision contained in Rule 119(a).
- They must not exceed 30 MPH. (Also see SI 41-S4, page 294)

41-S9. VIEWLINER CARS: REQUIREMENT TO HAVE TRAP STEPS IN "UP" POSITION

Due to potential clearance problems, trap steps on Viewliner Cars 62000-62049 and Viewliner Inspection Car 10004 must be in the up position whenever these cars are moved outside of yards. (also see S.I. 37-S5, pg 287)

41-S10. TLM, UNDERCUTTERS, POWER CARS

Amtrak TLM No. 25001, Undercutters Nos. N14901, N14904 & N14907, and Power Cars Nos. N14801 & N14802 must not exceed 25 MPH.

Due to potential clearance problems on the WT, PW, NYP, PH, 36SC, NYS, HUD, NYT & NYP Lines, this equipment must not be operated on main tracks or running tracks in these territories until the Conductor and Engineer have received written notification of any routing restrictions.

41-S11. RAIL PICK UP/UNLOADING UNIT

The Rail Pick Up/Unloading Unit is a 4 car unit numbered 15600-15603, and is used for loading old welded rail onto rail trains. While rail is threaded through the pickup unit, it must not be moved unless accompanied by a qualified MW employee, speed does not exceed 20 MPH, and distance does not exceed 20 miles.

41-S12. AMTRAK MW CRANES

Amtrak Kirow Crane A59601 is a self-propelled MW crane with 8 axles on span bolster trucks. It is authorized to operate in work trains at 30 MPH, or alone as a track car at 30 MPH. When crane A59601 is operating in a work train, it must be accompanied by an 89' flat car, either the AMTK 15615 or 15616. It has no clearance or weight restrictions on Amtrak lines.

American Crane A59019 is a self-propelled MW crane, and is authorized to operate at 30 MPH. American Crane A59019 is assigned equipment dimension 4, and may operate only on track segments where each Line's Special Instruction "40-x1" (for example, 40-B1, pg 116) lists equipment dimension 4 or greater.

41-S13. U.S. DOT TEST CAR DOTX 217

At certain passenger stations, operation of U.S. DOT Test Car DOTX 217 is prohibited on tracks that are adjacent to high level platforms, as indicated by an "X" below:

Line	Station	MP	Track Numbers				
			1	2	3	4	6
PW	Bowie State	119.4	...	...	X	...	...
	Baltimore Penn Station	95.7	...	...	...	...	X
	Wilmington	26.8	...	...	X	...	...

41-S14. (Cont'd)

Line	Station	MP	Track Numbers				
			1	2	3	4	6
NYP	New Brunswick	31.4	X	...	...	...	...
	Edison	28.9	...	...	...	X	...
	Metro Park	23.2	X	...	...	...	...
	Rahway	19.5	...	...	...	X	...
	Newark	8.8	...	X	...	X	...
NHB	New London	122.9	X	...	...	...	...
	Providence	185.1	...	X	X	...	...

41-S14. AMTRAK EXPRESS MAIL CARS

Amtrak Express Mail Cars Nos. 70000-70049, 71000-71299, & 74001-74111 may operate at speeds not exceeding 90 MPH, subject to the following restrictions:

- Must not be moved unless plug doors are properly closed and secured.
- PROHIBITED** at the following locations:
NYS, HUD, NYT & NYP Lines: All tracks between Bergen & CP-216, including Penn Station and the Hudson Line.
Mid-Atlantic Div: (a) Trk 4 between N. Phila & Zoo.
(b) No. 4 River Line Duck Under at Zoo
(c) Through the New York-Pittsburgh Subway at Zoo.
(d) Through the 36th St. Tunnel at Zoo
(e) Baltimore Station Tracks 3, 4, 5, & 6.
(f) Washington Union Station Trks 12-14, & 17-20.
- Must not exceed 50 MPH while operating on tracks next to high level station platforms at the locations indicated by an "X" in the table below:

Line	Station	MP	No. 1	No. 2	No. 3	No. 4	
NHB	Ruggles St.	226.5	X	...	X	...	
	Forest Hills	223.7	...	...	X	...
	Hyde Park	220.3	...	X	X	...	
	Readville	219.2	...	X	X	...	
	Route 128	217.3	X	X	...	...
	Canton Junction	213.9	X	X	...	...
	Mansfield	204.1	X	X	...	...
	Attleboro	196.9	...	...	X	X
	South Attleboro	191.9	X	X	...	...
	Old Saybrook	105.1	X	X	...	...
NYP	N. Phila	85	...	X	...	...
	Trenton	56.7	X	...	...	X
	Hamilton	53	X	...	...	X
	Princeton Jct	47.1	X	...	...	X
	New Brunswick	31.4	X	...	...	X
	Edison	28.9	X	...	...	X
	Metuchen	25.8	X	...	...	X
	Metro Park	23.2	X	...	...	X
	Rahway (MP 19.5) Tracks A, B & 4						
	Linden (MP 17.3) Tracks A & B						
		Elizabeth	14.1	X	X
	North Elizabeth	13	X	...	...	X
Newark International Airport Station (MP 11.2) Tracks A, 1, 4 & 5							

41-S15. (Cont'd)

Line	Station	MP	No. 1	No. 2	No. 3	No. 4
PW	BWI	106.3	X	...	X	...
	Odenton	113.6	X	...	X	...
	Bowie State	119.4	X	...	X	...
	Seabrook	124.7	X	...	X	...
	New Carrollton	127	...	X	X	...
PH	Bryn Mawr	10.1	...	...	...	X
	Thorndale	35.3	X	...	...	...

41-S15. BRANDT TRUCK TRACK CAR TONNAGE LIMITS

The table below indicates tonnage limits for the operation of Brandt Trucks based on truck type.

EQUIPMENT	Amtrak Ballast or Other Track Material (OTM) Cars Not Exceeding 100 Tons	Herzog Ballast Cars Not Exceeding 131.5 Tons
500HP Brandt truck (AX27335)	9	7
On Track Grades of 1% or greater (see following table)	6	5
475HP Brandt Truck (AX26441, AX25481, AX24769)	7	5
On Track Grades of 1% or greater (see following table)	4	3

NOTE: For movements operating under Dispatcher's authority, the Foreman in charge must report the car count to the Dispatcher.

The following is a list of NEC locations where track grade is 1% or greater.

LINE	FROM	TO
NHB	Forrest	Back Bay
DB	Hill	Fairmount
	South Bay	Broad
MRS	None	
NYS	Harold	MP 9
HUD	A	MP 3
	CP 145	CP 146
NYT	NY Penn Station	Harold
NYP	NY Penn Station	Bergen
PW	Martin	River
	Biddle	Paul
	Charles	Pennsylvania Ave
	Frederick Road	Halethorpe
	B.W.I.	MP 108
	MP 118	Bowie State
WT	A	Division Post
PH	Zoo	Wynnewood
36SC	Penn	Zoo

CLOSE CLEARANCES

43-S1. CLOSE CLEARANCE SIGNS

At locations where "Close Clearance Signs" are posted, train crew members and other employees are prohibited from riding on side of moving equipment. The absence of these signs does not relieve employees from being familiar with locations of close clearance where signs are not displayed.

HAZARDOUS MATERIAL

45-S1. CARS PLACARDED EXPLOSIVES

Cars placarded Explosives must not be handled in trains hauling 50% or more of petroleum products in box or tank cars.

45-S2. HAZARDOUS MATERIALS REFERENCE

Employees involved in the transport of hazardous materials must refer to the current issue of the United States Hazardous Materials Instructions for Rail, HM-1 (Conrail, CSX, NS).

ELECTRICAL OPERATION

47-S1. ELECTRICAL OPERATION

All employees who work in Amtrak electrified territory must comply with the Electrical Operating Instructions (AMT-2), must maintain a copy of the AMT-2, and must have it with them while on duty.

47-S2. TRACKS EQUIPPED FOR AC ELECTRICAL OPERATION

Employees when qualifying on the physical characteristics of the railroad must familiarize themselves with the location of all electrified tracks.

Amtrak main tracks are equipped for AC electrical operation, **EXCEPT: Hudson Line** —Track 1 north of MP 1.1 and Track 2 north of MP 1; Post Rd Branch; **New Haven-Boston**—Controlled Siding between Pine & Orchard; Trk No. 4 between Meadow & Triebel; Trk No. 3 between Brook & Saybrook, Trk No. 4 between Groton & Palmers Cove; Trk No. 4 between Davisville & Malcolm; Trk No. 3 between Packard & Atwells; Trk No. 7 between Atwells and Orms; Trk No. 4 between Hebronville & Holden; Trk No. 3 between Thatcher & Holden; **NYT Line**—F interlocking facing point interlocked crossover (771 switch) for eastward movement from No. 3 track (Line 3) to the LIC Eastward Passenger track.

Other Equipped Tracks: Dorchester Branch, No. 1 Track and No. 2 Track and associated switches and crossovers from Tower 1 to and including the diamond at South Bay, are equipped for AC electrical operation. Middleboro Main Line Track No. 14 to and including Cabot is equipped for AC electrical operation. Various non-main tracks on the above Lines are also equipped for AC electrical operation.

All electrified tracks east of dead sections catenary poles 204H to 206H (NYS Line) are controlled by the Metro North Power Supervisor at Madison Avenue, New York.

All electrified tracks between dead sections catenary poles 204H to 206H (NYS Line) and MP 76 (NYP Line) are controlled by the Power Director at Penn Station, New York.

All electrified tracks between MP 76 and Zoo (NYP Line) and between Zoo and MP 21 (PH Line) are controlled by the Power Director at CETC, in CNOC, Wilmington, DE.

All electrified tracks between MP 21 and Harrisburg (Philadelphia to Harrisburg) are controlled by the Power Director at Harrisburg Station, Harrisburg.

All electrified tracks between Zoo and Washington Terminal are controlled by the Power Director at CETC, in CNOC, Wilmington, DE.

All electrified tracks between New Haven & Boston are controlled by the Power Director at CETC, South Station, Boston, MA.

47-S3. PHASE BREAKS

Location	Tracks	Catenary Br or Signal Br	Distance of Break
NYP Line	2 & 3	W 3.44	200 feet East of & 200 feet West of Catenary Pole W 3.44
PW Line: Perry	1 & 2 3 & 4	Cat. Br 58.68	200 feet Northward & Southward
PH Line	1 & 2 3 & 4	Cat. Br 33.78 Cat. Br 33.71	360 feet Eastward 360 feet Westward

47-S4. POSITION LIGHT PHASE BREAK INDICATORS

In service on track	Governs track(s)	For direction	Location of Indicator	Distance from Phase Break
PW Line: Perry				
1	1	North & South	Northward trains: Sig. Br. 590 Southward trains: Coudon's Rd. OHB, MP 58.34	1425 feet
2	2			1425 feet
3	3			1425 feet
4	4			1425 feet
PH Line: Thorndale Substation				
1	1 & 2	East	Eastward trains: Cat. Br. 34.15	1925 feet
3	3 & 4	East		1925 feet
1 *	1 & 2	West	Westward trains: Cat. Br. 33.39	1900 feet
4	3 & 4	West		1900 feet
* Phase Break Indicator in service to the left of the track.				

47-S5. TRANSFER OF EMPLOYEES OR PASSENGERS BETWEEN EQUIPMENT ON ADJACENT TRACKS

Section 3.7 of AMT-2, Electrical Operating Instructions, is revised as follows:

3.702 Throttle power shall not be applied on either train until the transfer process is complete.

NOTE: Reference is made in Instruction 3.701 to “jumper cables” to be used when performing a train to train transfer. Instructions regarding the use of jumper cables (if they are available on your train) are contained in Chapter 1 of the “Service Standards for Train Service & On-Board Service Employees”, pages 1-54 to 1-56, in instruction (C)(4) titled “Passenger Transfer Between Two Trains With a Jumper Cable and Transfer Bridge”. *All High Speed Trainsets in revenue service have been outfitted with a transfer bridge and jumper cable. These items are stored in the cafe car cabinet across from the Railfone.*

47-S6. AMT-2 ELECTRICAL OPERATING INSTRUCTIONS: SECTION 2

The pages headings of AMT-2 Section 2, pages 2-1 through 2-26, referring to Section 3, are retitled “SECTION 2: GENERAL INSTRUCTIONS”:2: GENERAL INSTRUCTIONS”.

47-S7. AMT-2 ELECTRICAL OPERATING INSTRUCTIONS: INSTRUCTION 2.401: PANTOGRAPHS

The following table replaces the second and third paragraphs of AMT-2: 2.401, page 2-12, in their entirety.

Table 2-2. Pantograph Which Must Be Up During Normal Operation of Electric Equipment:

Company	Equipment	Pantograph Up During Normal Operation	Notes
Amtrak	High Speed Trainsets	Lead Powercar: “F” Trail Powercar: “R”	1, 3
	HHP-8	Rear / Trailing	1
	AEM-7	Rear / Trailing	1
Amtrak, SEPTA, MARC	Push-Pull	Either	2
NJT	Push-Pull	Rear / Trailing	1, 2

Note 1: “Front” and “Rear” means the position of the pantograph on each locomotive, power car or MU car in relation to the direction of movement, not the equipment ends stenciled “F” or “R”.

Note 2: “Push-Pull” means a passenger train with a Multiple Unit (MU) or control car on either end.

Note 3: Pantograph knuckles are to face forward on both power cars.

47-S8. AMT-2 ELECTRICAL OPERATING INSTRUCTIONS: INSTRUCTION 3.506: ELECTRIC POWER RESTRICTIONS DUE TO POWER SHORTAGES

The first paragraph of AMT-2: 3.506, page 3-8, is revised as follows:

When one or more of our power suppliers advises us that they are unable to provide sufficient capacity for our electric service, the Dispatcher (or Operator when authorized by the Dispatcher) will verbally notify trains that Instruction 3.506 is in effect.

The table in AMT-2: 3.506, page 3-8 is revised as follows:

Equipment	Controller Position/Power Effort Must Not Exceed:	Notes
HST Power Cars	50,000 foot pounds	...
HHP-8 Engines	50,000 foot pounds	...
AEM-7 (AC) Engines	7,500 ft. lbs. per traction motor	...
AEM-7 (DC) Engines	1,500 amps	...
ALP-44 Engines	1,500 amps (or Notch 6)	...
ALP-46 Engines	1,500 amps (or Notch 6)	1
Control Cars operating with ALP 44/46 Engines	Notch 6	...
MU Cars	P-2 Position	...

Note 1: Total line amperage can be viewed on ITU Propulsion Screen.

47-S9. AMT-2 ELECTRICAL OPERATING INSTRUCTIONS: CATENARY POWER OUTAGES

AMT-2, Instruction 3.503 is revised for clarity.

3.503 No Pantograph Damage Found – Power Immediately Restored - If no pantograph damage is found and catenary power is immediately restored, the Dispatcher must direct trains operating on the affected track or an adjacent track within the limits of the power outage area to inspect for catenary damage on the affected track, following the inspection guidelines in instruction 3.505, "Inspecting for Catenary Damage". If no catenary damage is revealed after the entire outage area has been inspected, train(s) within the affected catenary circuit may operate at Normal Speed.

72-S1. RADIO ALARM HOT BOX/Dragging Equipment Detectors

The following instructions will apply:

As a train approaches a detector, the detector will check it's own integrity. If the detector fails the integrity test, it will transmit a message stating the location and track number of the detector, the ambient temperature and the words "Integrity Failure". If the dragger feature has malfunctioned, it will transmit the message "Stuck Dragger".

Immediately upon detection of the first defect, the system will transmit the milepost location, the track number and the message "Defect detected."

When this message is received, the train must be stopped when rear end is clear of the detector.

When entire train has passed the detector, a radio message will be transmitted stating the results of the inspection. After a one second delay, the message will be repeated.

If a defect is detected, the train must be stopped and inspected in accordance with the instructions received, and the Dispatcher notified.

Detector will identify suspected hot journals or dragging equipment by axle number counting from head end (including engines). If a defect is not found at the axle location specified, that entire car and the 2 cars immediately ahead and behind that car must be inspected. If the radio transmission reports 6 defects, which is the maximum number the detector can transmit, the entire train behind the 6th defect must be inspected.

If Radio Alarm Detector fails to transmit the results of the inspection, or if the detector transmits that it has had an integrity failure or a stuck dragger, the Dispatcher must be promptly notified.

The final transmission from the Radio Alarm Detector must be acknowledged. **Example:** "Amtrak No. 171 Eng 205 at Midway on No. 1 track, no defects, out."

All Radio Alarm Detectors will transmit on Road Radio channels as designated on Station pages.

72-S2. WHEEL INSPECTION

When a train has been stopped because of sticking brakes, sliding wheels, or actuation of hot wheel scanner an examination of the car wheels must be made. If wheel shows signs of being overheated, the air brakes of that car must be cut out. If any cracks are found in the wheel, car must be set out. Attention must be given to flat spots and be governed by Rule 71.

When a train has been stopped because of actuation of Hot Wheel Scanner and no defect is found on reported car, crew members must inspect the two cars ahead and the two cars behind the reported car for defects.

72-S3. HOT BOX DETECTORS AND RECORDERS

Hot Box Detectors and Recorders which measure and record the heat of passing journal boxes are in service at various locations.

At all installations, arrangements must be made to stop trains as soon as possible when the hot box detector so indicates by the recorder.

Train or engine crews, upon contacting Dispatcher or Operator, will be advised as to which side of car and which journal has the defective condition.

After the examination of a hot journal has been completed, the following information must be given to the Dispatcher:

1. Confirmation of the location of suspected car(s) in train.
2. The initial and number of car(s) and waybill information.
3. Condition of journal(s).
4. Location of hot journals to include the following:
 - Truck (lead or trailing)
 - Wheel (lead or trailing)
 - Side (north, east, south, west)
5. Type of bearing (friction or roller)
6. Type of packing if friction type bearing
7. Any other pertinent information.

If on observation no exception is taken to the reported defective car, crew members will be responsible for observing journal condition of the two cars ahead and two cars behind the reported car, opening journal box lids, if so equipped, for thorough observation.

Operator will advise train crew of the suspected car(s) counting from the head end.

72-S4. USE OF TEMPILSTIK

Conductors, Assistant Conductors and Engineers must obtain and carry with them while on duty a 200, 212 or 219 degree Tempilstik (Amtrak crews-212 or 219 degree Tempilstik).

72-S5. OVERHEATED BEARINGS-ENGINES

When engine develops an overheated axle bearing or motor axle suspension bearing enroute, engine will be isolated, if possible, or traction motor circuit cut out and operated with caution not exceeding a speed of 10 MPH to the next point where instructions can be received or where engine may be set off.

Any engine reported having an overheated axle bearing or motor suspension bearing or found overheated on inspection must not be dispatched.

72-S6. HOT BOX INDICATORS ALARMS AND HOT JOURNALS

On a car known to have a hot journal, the air brakes must be cut out and all air released from reservoirs as promptly as practicable.

Engines or cars equipped with smoke and/or odor hot box indicators will release a strong penetrating odor and/or a volume of dense white smoke when bearings become overheated. When either of these indications is observed, train must be stopped and a prompt report made to the Dispatcher.

The use of sand or dirt for extinguishing fires in journal boxes is prohibited. Water or snow should not be used for cooling hot journals except in an emergency and when used, journal should be cooled as slowly as conditions will permit.

When a journal equipped with a lubricating pad is found overheating enroute, train must be stopped and examination made. The lubricating pad must be adjusted or replaced with an oil saturated pad in good condition if this will overcome trouble. If cause of heating cannot be corrected in this manner or car cannot be moved to the next terminal through use of cooling compound, car should be set out.

Cooling compound shall be used for emergency treatment of overheated journals of cars enroute and should be used before journal becomes red.

Journals with broken brasses shall not be treated with cooling compound.

When applying cooling compound, it shall be placed along full length of rising side of journal, particular attention to be given to placing compound at back or inside end of journal. Cars having journals treated with cooling compound shall be tagged in a prominent place near journal, using prescribed form at time compound is applied.

When cars with hot journals are set out where inspectors do not take immediate charge, the crew must make a careful inspection of the underside of wooden flooring to determine that it has not been ignited by the blaze from the hot journal and must extinguish all fire before proceeding with the train and the journal should be left in such condition as to avoid damage to car by fire.

Conductor must make prompt report to Dispatcher of cars treated enroute or set out account overheated journal stating whether treated by cooling compound, by water or snow, also whether heating was detected by odor or smoke or hot box alarm.

72-S7. WAYSIDE HOT BOX DETECTORS – 2 CONSECUTIVE ACTUATIONS

NOTE: The procedures outlined in this instruction apply equally to cars *and* engines.

When the same car of a train actuates 2 consecutive wayside hot box detectors which require the train to be stopped and inspected, and no hot bearing or other defect which may have caused the hot box detectors to actuate (i.e., sticking brakes) is found on that car or the 2 cars ahead and behind it, the following actions must be taken:

1. The train must not exceed 30 MPH for the next 5 miles.
2. The train must be stopped at that point and all bearings of the car reported to have actuated the detector reexamined. The 2 cars ahead and behind the reported car need not be reexamined during the 5 mile inspection.
3. If no hot bearing is found during the 5 mile inspection:
 - a. The Dispatcher must be promptly notified.
 - b. The Train must not exceed 80 MPH, and
 - c. The car must be set out at the next major terminal: Washington, Philadelphia, Harrisburg, New York, New Haven, or Boston.

When a train actuates the last wayside hot box detector before a crew change location, the relieving crew must be advised of the car that actuated the detector so that they can follow the above procedure if the car actuates the next wayside hot box detector enroute.

Note: Refer to AMT-3, Air Brake and Train Handling Rules and Instructions, for instructions regarding On-board Hot Box Detectors.

72-S8. WHEEL IMPACT DETECTORS

The wheel impact detectors installed at the following locations measure the amount of vertical force produced by each wheel in thousand pound units called “KIPS”.

Line	MP	Location	Tracks
PW	75	Edgewood	2, 3
PW	16.2	Marcus Hook	1, 2, 3, 4
NYP	40.8	Midway	3, 4
NHB	171.8	Rocky Hollow	1, 2
NHB	201	Mansfield	1, 2
MRS	51.5	Enfield	Single

When a train produces a wheel impact detector reading of 140 KIPS or higher, the Consolidated National Operations Center (CNOC) will provide the applicable CETC dispatching office with the information necessary to identify and stop the affected train.

The Dispatcher must promptly notify the crew of the affected train of the wheel impact detector activation, and advise them to stop and inspect the suspected wheel(s) for flat spots or other visible defects. Suspected wheels must be identified by side of car, axle, and car count from the head end [or car number & wheel location, if car is equipped with an automatic equipment identification (AEI) data tag].

Wheel inspection results must be promptly reported to the Dispatcher. If a defect is found, the Dispatcher will provide instructions regarding how the car or engine is to be handled, as received from CNOC (via Mechanical Dept.).

If no defects are found at the specified location, crew members will be responsible for inspecting the two cars ahead and two cars behind the suspected car. If again no defects are found, the Dispatcher may permit the train to proceed at Normal Speed to its destination.

72-S9. WAYSIDE HBD ACTUATION ON EQUIPMENT WITH OBHBD SYSTEM

Highspeed Trainsets, HHP-8 locomotives and Amfleet cars are equipped with an On-Board Hot Bearing Detection System (OBHBD). If a wayside Hot Box Detector actuation indicates a defect on more than two consecutive axles of this equipment, a crewmember must verify that the OBHBD is working on each car/locomotive indicated and determine whether any defects or system faults have been activated. If the inspection of the on-board system reveals no exception before the train has stopped, the Dispatcher must be notified and the train may continue at normal speed without additional inspection.

If the next wayside hot box detector indicates a defect on one of the same cars/locomotives indicated above, it will be considered the second consecutive actuation and the requirements of SI 72-S1, S3, S7, A3 and A4 will apply.

80-S1. MOVABLE POINT FROGS & SLIP SWITCHES

To enhance ride quality, many interlocking crossovers and turnouts are equipped with movable point frogs. Movable point frogs are power operated, and must be properly lined for straight and diverging movements. Trains required to operate at Restricted Speed within interlocking limits (e.g., Rule 241 or out-of-service track) must be prepared to stop short of an improperly lined movable point frog. On the following page, the photo in **Fig. A** shows a movable point frog that is properly lined for a straight movement on the track to the right. The photo in **Fig. B** shows a slip switch with a movable point frog that is properly lined for a straight movement on the track in the center. **Note:** Some slip switches do not have movable point frogs.

Listed below are interlockings where movable point frogs or slip switches (some incorporating movable point frogs), are installed. This list was current when this page was last revised. However, the list does not relieve employees from being prepared to stop within one half the range of vision short of a movable point frog or slip switch not properly lined at **any** interlocking, when movement at Restricted Speed is required.

80-S1. (Cont'd)

Movable Point Frogs: *NHB Line* - Pine, Orchard, Meadow, Triebel, Guilford, Brook, Saybrook, View, Crescent, Palmers Cove, High Street, Kingston, Stony, Davisville, Malcolm, Packard, Post, Cranston, Brayton, Orms, Pawtucket, Lawn, Hebronville, Thatcher, Holden, Mansfield, Junction; *DB Line* - Broad; *NYS Line* - Manor; *NYT Line* - "F"; *NYP Line* - Bergen, Allied, Erie, Lack, Portal, Swift, Hudson, Hunter, Haynes, Lane, Union, Iselin, Menlo, County, Morris, Shore; *PW Line* - Ruthby, Iron, Bacon, Prince, Grace, Bush, Gunpow, Grove, Bowie, Carroll; *PH Line* - Park, Holland, Conestoga, Cork, Lititz, Rheems, Roy.

Slip Switches:

NHB Line - Tower 1; *NYT Line* - New York Terminal; *PH, PW, & 36SC Lines* - State, Zoo, Penn Int; *WT Line* - Washington Terminal.

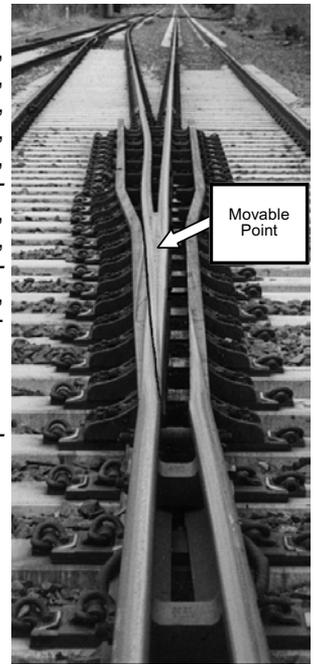


Fig. A



Fig. B

101-S1. SWITCHING BAGGAGE CARS

When switching baggage cars containing metal mail containers, Trainmen are prohibited from riding inside car while movement is being made. No baggage cars containing metal mail containers will be moved until all doors of car are closed. Mail Foreman on platform will ensure these doors are closed.

109-S1. NJT COMET EQUIPMENT: CUTTING OUT CONTROL STAND & SECURING TRAIN

This instruction applies to Amtrak employees handling trains with NJT Comet cars in consist. Before cutting out the operating control stand, the Engineer must ensure that a minimum of two hand brakes are applied to secure the train. The Conductor must promptly notify the Engineer when the hand brakes have been applied.

116-S1. SHOVING OR BACKING MOVEMENTS

A. Location Of Engineer: The Engineer must operate from the leading end of the movement when equipped with an operating compartment, cab car or properly pointed locomotive.

Exceptions: Engineers may operate from other than the leading end of the movement:

1. As listed in Line Special Instructions.
2. When authorized by the Train Dispatcher.
3. When changing ends would occur in a tunnel.
4. When the movement does not exceed one train length on a main track, or one train length beyond an opposing interlocking signal.

B. Engineer Operating From Other Than the Leading End of Movement: When an Engineer operates a train from other than the leading end of the movement:

1. Crew members must take proper action to control the movement.
2. The maximum authorized speed is: Not exceeding 20 MPH.
3. The crew member directing the movement must be qualified on the physical characteristics of the territory.

And

4. The crew member directing the movement and the Engineer must work together to comply with the requirements of Restricted Speed, or movement on other than main track, when applicable.

C. Location of Crew Member Directing Movement: When cars or engines are being shoved, a crew member must be on the leading end of the movement at all times if the leading car or engine is equipped with an operator's compartment, vestibule, doorway, platform or a side ladder.

If not equipped, or when close clearances do not permit riding the side ladder, the crew member directing the move must precede the move and ensure that switches and derails between the movement and his/her location can be plainly seen and known to be in proper position.

When a crew member is specifically required by an operating rule to precede a shoving movement, another crew member must be stationed on the leading end of the movement, when the leading car or engine is equipped with an operator's compartment, vestibule, doorway, platform or a side ladder.

Exceptions:

- 1) After making a safety stop prior to coupling, in accord with AMT-3 Rule 3.1.1, the crew member on the leading end of the shoving movement may dismount in order to oversee the coupling.
- 2) When a model P32AC-DM locomotive (Series 700-717) is being shoved a crew member must either be on the leading end or precede the movement. When on the leading end, hand signals or radio headset(s) may be utilized.

Note: When a radio headset is used, it must be tested by the crew member in accordance with NORAC Rule 703 prior to commencement of the move to ensure that it functions as intended.

D. Crew Member Required Communications: When the crew member on the leading end of the movement is directing the movement by radio, he/she must inform the engineer of the position of switches (unless governed by signal indication) and derails, signal indications, and other conditions that may affect the movement prior to the start of the shoving or backup movement. This information must be included, when applicable, in subsequent instructions during the movement.

116-S1. (Cont'd)

The crew member directing a shoving or backing movement by radio must include, in addition to the above, his or her title and whether they are on the point or preceding the move (due to close clearance, or when the leading car or engine is not equipped with an operator's compartment, vestibule, doorway, platform or side ladder). *The engineer must not start movement until this information is received.*

If hand signals are being used instead of radio, Engineer must not start movement if employee directing a shoving or backing movement is not on the point of movement, unless advised verbally by employee that movement will be preceded and the reason for doing so. This verbal communication can be either face-to-face or over the radio.

116-S2. OPERATING FROM OTHER THAN THE LEADING END WITH OCCUPIED PASSENGER EQUIPMENT

When operating from other than the leading end with occupied passenger equipment, a back-up hose or the emergency brake valve must be used by the crew on the leading end of the move. A test of the back-up hose must be made in accordance with AMT-3 Instruction 5.4.2.

Exception: Movement may be made without a back-up hose or crew member in position to operate the emergency brake valve when a full baggage car is on the leading end of the movement and/or conditions make it unsafe for the crew member to ride on the side of the leading car. In such a case, the crew member must walk ahead of the train to direct movement.

For the purpose of this instruction the following constitute occupied passenger equipment:

- Occupied passenger cars in revenue service, including private cars.
- Occupied in-service business cars, inspection cars, and Department of Transportation (DOT) cars.

119-S1. HANDLING OF HAZMAT, EXCESSIVE WEIGHT, OR EXCESSIVE DIMENSION CARS

Trains containing hazardous material, excessive weight or excessive dimension cars must not occupy an Amtrak main track or running track until the Conductor or Engineer has communicated with the Dispatcher, and ensured that the Dispatcher has received the required restricted car information.

131-S1. PROTECTING WORK LOCATIONS: CONDUCTOR/FLAGMEN RESPONSIBILITY

1. Any employee that accepts an assignment as a Conductor/Flag must have a valid Roadway Worker Protection card in their possession.
2. Conductor/Flags are required to hold a job briefing (On Track Safety) with all railroad and private contractor employees working at the specific job site that the Conductor/Flag is assigned to protect. Conductor/Flags must document every briefing with employees and contractors on NRPC Form 3044-C. After completion, this form must be retained for ten (10) days.
3. Conductor/Flags will be responsible for determining whether line of sight or fouling protection is needed for a work area. If mechanized equipment is involved, then fouling protection will be the only acceptable means of protection. The Conductor/Flag will be responsible for securing authority for contractor employees to obstruct the tracks of the railroad. The contractors will not be allowed to obstruct any track/catenary structure under foul time until a member of the contractor's group has signed off on the Authority to Foul Tracks Record form NRPC 3045. The Conductor/Flag must not release foul time until the same member of the contractor's group has signed off in the release portion of this same form.

131-S1. (Cont'd)

4. When a Conductor/Flag is assigned as the employee in charge of protection for employees and/or contractors, and the Conductor/Flag requires foul time, the Conductor/Flag must:

- A. Discuss the form of protection during the job briefing with all employees and contractors involved;
- B. Determine who possesses the formal authority of protection for the section of track in question;
- C. If anyone other than the Train Dispatcher or an NHB, DB or MRS Line "Point Conductor" (RWP employee in charge) is in charge of the track, the Conductor/Flag must read or obtain a copy of the Form D or Foul time authority [NRPC 3045] from the person in charge of the track.
- D. When a "Point Conductor" receives or releases foul time directly with the Train Dispatcher, paragraph C above applies to the Conductor/Flagmen under the jurisdiction of the "Point Conductor", and such Conductor/Flagmen must receive and record foul time authority from the "Point Conductor" using NRPC Form 3045.

5. Conductor/Flags must ensure that a brake application has been made and where possible, have visual confirmation that the brakes have applied and released on each piece of equipment in the work unit. The Conductor/Flag must then have the operator perform a "rolling stop" to ensure proper brake operation on units where it is not possible to visually observe the application and release of the brakes.

6. Flagging assignments, although not considered covered service under the Federal Hours of Service law, will be governed as follows:

- A. Conductor/Flags must not perform service in excess of twelve (12) hours on the job site unless authorized by a Trainmaster.
- B. Conductor/Flags who work a flagging assignment in excess of four (4) hours on the job site, must have at least eight (8) hours rest before accepting another flagging assignment.

OUT-OF-SERVICE TRACKS

132-S1. MAINTENANCE WORK WITHOUT FORM D

Work on wire trains, single unit rail grinding track cars, the MPMV, and the MTW-100 catenary inspection car, may perform work without Form D Line 4, but only under the conditions listed below:

1. Permission is obtained from the Dispatcher,
AND

2. The work is confined to interlocking limits,
AND

3. No other MW equipment is involved,
AND

4. The track or catenary structure is not disturbed to the extent that a restriction on movements would be required if it were necessary to clear the equipment performing the work.

Movements will be governed by Interlocking Rules. If necessary to make shifting movements outside of interlocking, the applicable rules will apply.

132-S2. BRIDGE STRIKES

Unless otherwise instructed, trains notified that this Special Instruction is in effect must operate at **Restricted Speed** over the bridge specified, or between the locations named.

As used in this Special Instruction, a "bridge strike" is defined as **any** physical contact between a vessel or vehicle and the track supporting portions of an undergrade bridge, excluding contact with the fender system of a bridge over a waterway or the abutment or wing-wall of a bridge over a highway.

Train Dispatchers who are advised of an alleged bridge strike must immediately take the following actions:

132-S2. (Cont'd)

1. If the bridge is on the Critical Bridge List (see list below), hold all trains clear of the bridge.
2. If the bridge is **not** on the Critical Bridge list:
 - a. Instruct the crews of affected trains to add the location of the restriction on the pre-printed "Bridge Strike" line at the bottom of their TSRB, in accordance with TSRB addition procedures outlined in SI 1-S4, page 262.

or

- b. Issue a Form D (line 13) to crews of the affected trains, in the following format: **Bridge strike SI 132-S2 in effect at/between [location(s)].**
3. Continue to provide the protection described in item 1 or 2 above until the bridge has been released by the Division Engineer, or his duly appointed representative.

NOTE: A bridge number can be used to designate the location of the restriction only when the number is clearly stenciled on the bridge, and the number conforms to the bridge's approximate mile post location. Otherwise, the restriction must extend between the first readily identifiable physical characteristic locations on each side of the bridge. As an alternative to the bridge number, the street name used in conjunction with the mile post can be used to designate the location of the restriction so long as the street name and mile post is marked on or at the bridge.

On the PW, PH and NYP Lines, **bridge markers** have been placed between all tracks Phil-Ragan and Overbrook-Paoli, and adjacent to 2 & 3 tracks Zoo-Holmes, to aid in bridge identification. Employees must use care when walking on the right of way at these locations.

On the NYP Line, signs with bridge numbers conforming to MP location and/or street names are located on catenary poles at:

Street Name	City	Location
Edison Place	Newark, NJ	MP 8.77
Chestnut St.	Newark, NJ	MP 9.39
South St.	Newark, NJ	MP 9.64
Murray St.	Newark, NJ	MP 9.84
McClellan St.	Newark, NJ	MP 12.37
North Ave	North Elizabeth, NJ	MP 12.98
Fairmont Ave	Elizabeth, NJ	MP 13.36
Wood Ave	Linden, NJ	MP 17.26
Stiles St.	Linden, NJ	MP 17.65
Evergreen Road	Edison, NJ	MP 24.08
Parsonage Road	Menlo Park, NJ	MP 24.38
Port Reading RR	Metuchen, NJ	MP 24.56
Grove Ave	Metuchen, NJ	MP 25.32
Main St.	Metuchen, NJ	MP 25.84
Lake St.	Metuchen, NJ	MP 26.05
Suydam St	New Brunswick, NJ	MP 31.80
Deans Lane	South Brunswick, NJ	MP 38.60

CRITICAL BRIDGE LIST

(All listed bridges are movable except Gunpowder River and Niagara Whirlpool)

NHB Line: Conn, Nan, Shaws Cove, Groton (Thames), and Mystic River.

NYS Line: Pelham Bay;

HUD Line: Inwood (Spuyten Duyvil), LAB;

NGB Line: Niagara Whirlpool

NYP Line: Portal and Dock;

PW Line: Susquehanna River, Bush River, Gunpowder River (Gunpow).

133-S1. PROTECTION OF OUT-OF-SERVICE TRACKS

When a track governed by block system or interlocking rules is removed from service by Form D Line 4, the **Foreman issued the Form D must ensure** that each of the following safeguards are taken **prior to beginning work**. When C&S assistance will be required as prescribed below, the Foreman must request this assistance **prior** to obtaining the Line 4.

Exception: When work is performed exclusively with the following equipment, the safeguards prescribed below are not required: Work Trains, MDZ (coupled or separate), TLM, 08-Unimat Switch Tampers, 09-4S Combo Tampers, BMS, Plasser Undercutters, Sperry Cars, Catenary Maintenance Car (MTW-100), Switch Exchange System (SES), Rail Grinding Trains, MPMV (coupled or separate), Brandt Truck (with or without cars), MMU-1000 (coupled together with the material car and working car), TSAV, ATIV and NJT-TGIV.

1. A shunting barricade must be erected at each end of the work area within the Line 4 limits and locked into position with a private lock. A non-shunting barricade consisting of two crossed ties or a "Non-Shunting Barricade" sign may be substituted for a shunting barricade when only a portion of a track within interlocking limits is removed from service.

When only a portion of a track within interlocking limits is removed from service, a C&S employee must approve the location of the barricades and must remain available to establish desired routes, if necessary.

2. It must be determined that the track at each end of the work area is shunted. In ABS territory, this may be determined by visual observation of the last automatic block signal leading to the work area in both directions. (In Rule 251 territory, no confirmation of shunt is required for movements against the current of traffic.)

If the work area is in or near interlocking limits, shunt may be verified by confirming with the Operator or Dispatcher that a track occupancy light is displayed on his interlocking machine in the appropriate location(s).

3. If the work area cannot be protected by Panel Blocking Devices, a C&S employee must de-energize the track circuits for the work area. This requirement is in addition to the above barricade requirement. Work in the following areas **cannot** be protected by Panel Blocking Devices, and therefore requires C&S employee assistance:

a) Work **within** the following interlocking limits: **NHB Line**—Read, Forest, Plains; **NYS Line**—Pelham Bay; **NYT Line**—"Q"; **NYP Line**—Dock, Iselin, Menlo, Ham, Zoo; **PW Line**—Zoo, Penn (Except: 1 & 4 trks 36th St. Connection; N5 & N3 routes, 1 & 4 River Line trks between MP 1 & Spring Garden St; 10 trk pocket; 7 lead; 1 & 4 River Line trks between Walnut & South Sts), Phil, Bell-Ragan inclusive, Ruthby (except trk 1), Davis-Perry inclusive, Oak-Bridge inclusive, Winans (except trk 1), Grove, Bowie, Landover; **PH Line**—Zoo, Valley, Overbrook, Paoli, Glen, Downs, Thorn, Caln, State (*except* trks between int signals west of Harrisburg station have panel blocking).

b) Work in the **ABS** territory adjacent to any of the following interlockings:

PH Line: Caln, Downs, Glen, Overbrook (no panel blocking eastward on Tracks 1, 2 and 4, nor westward on Track 3), Paoli (no panel blocking eastward on Track 3), State, Thorn, Valley, and Zoo.

Exception: In Washington Terminal, de-energizing of track circuits is not required. When only a portion of an interlocking or Station Track in Washington Terminal is out of service by Form D Line 4 or Bulletin Order, a C&S employee must ensure the signal leading to the out-of-service portion will not display an aspect more favorable than Restricting.

Prior to cancellation of Form D, the Foreman must ensure that barricades are removed and track circuits restored to normal.

133-S2. ADMITTING ADDITIONAL EQUIPMENT

The Dispatcher or Operator may admit additional track cars or trains to the out-of-service limits after obtaining permission of the employee named in the Form D Line 4.

When authorizing additional equipment to enter an out of service track, the Foreman named on Form D Line 4 must advise the employee in charge of the additional equipment of all conditions affecting movement on the out-of-service track, including the location of barricades, *Roadway Workers*, equipment, and the condition of the track structure.

The Foreman must ensure that any barricades removed to admit the additional equipment are reapplied, and their shunt verified, as soon as the equipment enters the work area.

Track cars and trains that clear an out-of-service track must obtain permission from the Foreman before re-entering the out-of-service track.

133-S3. FOREMAN GOING OFF DUTY

When a track is out of service by Form D Line 4, and the Foreman in charge is to go off duty, Form D Line 4, must be issued to another qualified Foreman if work is to continue.

If work is to be suspended, but track must remain out of service to protect equipment or track conditions:

1. The Dispatcher must ensure that Blocking Device protection remains applied. Operators involved must be issued Form D, Line 13, instructing them to hold all trains clear of the affected track.
2. The Foreman addressed must ensure that barricades erected to protect non-shunting equipment or track conditions are repositioned adjacent to non-shunting equipment and/or track requiring protection, and must verify that repositioned barricades shunt properly as per SI 133-S1.
3. The Foreman must then contact the Dispatcher and Track Supervisor in charge of the territory involved to advise them of all conditions affecting the out of service track area, to include the locations of barricades, equipment, and condition of track structure. This information must be recorded by the Dispatcher, and repeated back to the Foreman.
4. After steps 1, 2, and 3 are completed, the Form D, Line 4 must be canceled.

No further movements shall be permitted or maintenance performed on affected track until Form D, Line 4 is issued to a qualified Foreman, or Conductor as specified in S.I. 133-S4. Before requesting Form D, Line 4, Foreman must communicate with the Dispatcher and Track Supervisor in charge of the territory involved to ascertain all conditions affecting the out of service track area.

Upon completion of work, the provisions of steps 1 through 4 above will apply, if track must again remain out of service to protect equipment or track conditions.

EXCEPTION: Conductors need only comply with the procedures contained in step 3 above, and need only contact the Dispatcher.

The Dispatcher must provide information regarding all conditions affecting the out of service track area, to include the location of barricades, equipment, and condition of track structure, to the next Foreman or Conductor who obtains Form D, Line 4 to perform maintenance in the affected track area.

133-S4. WORK, WRECK OR WIRE TRAINS

The Train Dispatcher may issue a Form D to the Conductor of a Work, Wreck, or Wire Train when both of the following conditions have been met:

- There is no qualified Foreman on the train,

AND

- No track cars will occupy the out-of-service limits, except as provided for in NEC Special Instruction 133-S3, which allows **unattended** track cars to be stored on a track when the Foreman responsible for their operation goes off duty.

Once the Conductor receives the Form D Line 4, he or she may authorize other trains

133-S4. (Cont'd)

(but not track cars) into the out-of-service limits in accordance with Rule 133. Work that will disturb the track or catenary structure so that it would be unsafe for Normal Speed must not be performed unless the track is removed from service in the name of a qualified employee.

133-S5. HIGHWAY CROSSINGS ON OUT-OF-SERVICE TRACKS

In the application of Rule 138(g), trains operating on an out-of-service track must not foul a highway crossing equipped with automatic warning devices until it is ascertained that the warning devices have been operating at least 20 seconds, or the gates (if equipped) are in the horizontal position. If the automatic highway crossing warning devices are not operating, the movement must not be made until protection is provided by on-ground personnel.

133-S6. REMOVING A TRACK FROM SERVICE: FORM D ADDRESS

When an Engineering Department employee requests use of the track, he or she will be identified in the address of the Form D removing the track from service as a "Foreman," plus his or her last name.

136-S1. FREIGHT TRAINS OPERATING WITHOUT A CABOOSE

Freight trains operating without a caboose that experience a radio failure enroute must reduce speed to 30 MPH and stop at first point of communication to contact the Dispatcher for instructions.

The Dispatcher must not allow the train to proceed until absolute block protection is established for trains moving in the same direction on adjacent tracks.

Once absolute block protection is established, the train may be instructed to proceed at normal speed governed by signal indications. If thereafter an emergency application of the brakes occurs, crew members are relieved from providing flag protection against following movements on adjacent tracks.

136-S2. LIGHT ENGINE MOVEMENT

Should the locomotive radio become inoperative enroute on a light engine movement operated solely by an Engineer (no other crew members on train), the speed of the movement must be reduced to 30 MPH. Dispatcher must be notified at first point of communication, and Engineer will be governed by his instructions.

HIGHWAY CROSSINGS AT GRADE

138-S1. STATE OF CONNECTICUT

Where there are public crossings involved, the following rule must be complied within the State of Connecticut.

1. Where adequate run around facilities are available at the point where reverse movement is to be made, and use of such facilities is practicable, train backing movements are prohibited.

2. When train backing movements are necessary due to lack of adequate run around facilities at the point from which backing movements are to be made, such backing movements must stop before entering all public crossings that are protected by signs only and a member of the crew shall flag the train over the crossing.

If adequate run around facilities are available for use at any point during train backing movements, and use of such facilities is practicable, such run around facilities must be used to eliminate the need for further backing movements.

These provisions will not apply to switching backing movements except that such backing movements over public crossings that are protected by signs only must be protected by a crew member.

138-S2. MASSACHUSETTS

In the State of Massachusetts, where gates are provided trainmen, track car driver or employee in charge of other rail movements must operate the gates of unattended grade crossings. At highway grade crossings protected by automatic gates, all rail movements not equipped to operate automatic gates must not pass over such crossing until gates have been operated.

138-S3. BLOCKING PRIVATE CROSSINGS

Trains on sidings blocking private crossings must be patrolled by trainmen and train cut if anyone desires to use private crossing. This does not relieve trainmen of cutting train for public road crossings immediately.

138-S4. HIGHWAY CROSSING WARNING DEVICE MALFUNCTIONS

In the application of Rule 138, part "c", the first five paragraphs(entire portion above table), are revised as follows:

Notify the Dispatcher immediately if you discover automatic highway crossing warning devices that are not functioning properly.

Once notified of malfunctioning automatic highway crossing warning devices, the Dispatcher must:

1. Issue Form D Line 12 to all trains that will operate over the affected crossing, indicating the name and milepost of the crossing as identified in the applicable special instruction.
- AND
2. Ensure that notification is provided to the local law enforcement agency or railroad police.

Unless otherwise instructed on Form D Line 13, crews must comply with the "Requirements" listed in Item 1 of Rule 138 part "c": Stop, make certain that a crew member provides on-ground warning at the crossing, then proceed not exceeding 15 MPH until the leading end operates through the crossing.

When the Dispatcher is notified that rust or other foreign matter may prevent effective shunting, trains must be instructed to comply with the "Requirements" listed in Item 1 of Rule 138 part "c", unless flagger or a railroad police officer is providing warning at the crossing.

The appropriate engine whistle or horn signal must be sounded at locations where automatic highway crossing warning devices are not functioning properly, including crossings where a whistle sign indicating "W/R" is displayed, and in areas otherwise designated as Quiet Zones.

139-S1. TRAINS, CAR(S) OR OTHER ON-TRACK EQUIPMENT LEFT UNATTENDED ON MAINLINE TRACK OR MAINLINE SIDING

1. Definitions

As used in this instruction:

- a. A mainline track is any track governed by ABS rules, DCS rules or Interlocking rules.
- b. A mainline siding is an auxiliary track, adjacent and connected to a main track, used for meeting or passing trains.
- c. Designated terminals include Boston South Station, Springfield, New York Penn Station, Newark Penn Station, Trenton, 30th St. Station, Baltimore Penn Station, Washington Union Station, Albany, and Harrisburg.

2. Authorization Required

In the application of Rule 139, leaving a train, car(s) or on-track equipment unattended on a mainline track or mainline siding outside of designated terminals is prohibited unless authorized by the Train Dispatcher.

The Train Dispatcher must not authorize equipment to be left unattended on a mainline track or mainline siding outside of designated terminals except:

139-S1. (Cont'd)

- a. To allow pick-ups or set-offs at industry tracks, or permit the repositioning of equipment at other locations when operationally necessary (e.g. run around equipment); or
- b. An emergency situation exists, such as equipment failure or extreme weather conditions; or
- c. An extended maintenance project requires the equipment to be stored when workers are off duty.

3. Job Briefing Requirements

Prior to leaving equipment unattended on a mainline track or mainline siding, crews must conduct a job briefing in accordance with the applicable section of Special Instruction 4-S1.

4. Securement Requirements

Trains, car(s) or on-track equipment left unattended on a mainline track or mainline siding must be secured in accordance with the securement procedures for that equipment. Amtrak employees must secure the equipment in accordance with the applicable Amtrak securement procedures. Non-Amtrak employees must follow the securement procedures specified by their employer. A qualified employee must test the securement to ensure it is sufficient to prevent unintended movement prior to leaving the equipment unattended.

When a train is left unattended on a mainline track or mainline siding with the locomotive, the controlling locomotive cab must be locked if possible. If not possible to lock locomotive door, the reverser must be removed from the control stand and secured.

Prior to leaving any such equipment unattended outside of designated terminals:

- a. A qualified employee who participated in the securement, or who has knowledge of the procedures that were followed, must verify with the Train Dispatcher that the required securement procedures have been followed and the securement has been tested and is known to be effective.
- b. The Train Dispatcher must confirm receipt of the information that the equipment has been secured properly.

5. Reporting Requirements When Certain Hazmat Cars Are In The Consist

A qualified employee who participated in the securement, or who has knowledge of the procedures that were followed, must communicate the specific information included in this section to the Train Dispatcher if their train's consist includes:

- a. Five or more tank car loads of any one or any combination of materials poisonous by inhalation as defined in 49 CFR 171.8, including anhydrous ammonia (UN 1005) and ammonia solutions (UN 3318); or
- b. 20 rail car loads or intermodal portable tank loads of any one or any combination of materials listed in (a) above, or,
- c. Any Division 2.1 flammable gas, Class 3 flammable liquid or combustible liquid, Class 1.1 or 1.2 explosive, or hazardous substance listed in 49 CFR 173.31(f)(2).

The communication must include:

- a. The number of hand brakes applied, and chocks, if used;
- b. The tonnage and length of the train or vehicle;
- c. The type and location of cars containing hazardous materials;
- d. The grade and terrain features of the track, such as an ascending or descending grade;
- e. Any relevant weather conditions.

6. Train Dispatcher's Record

Train Dispatchers must record the information provided if the equipment to be left unattended includes:

- a. Five or more tank car loads of any one or any combination of materials poisonous by inhalation as defined in 49 CFR 171.8, including anhydrous ammonia (UN 1005) and ammonia solutions (UN 3318); or

139-S1. (Cont'd)

- b. 20 rail car loads or intermodal portable tank loads of any one or any combination of materials listed in (a) above, or,
- c. Any Division 2.1 flammable gas, Class 3 flammable liquid or combustible liquid, Class 1.1 or 1.2 explosive, or hazardous substance listed in 49 CFR 173.31(f)(2).

7. Requirements When Emergency Responders Work on Equipment

Prior to leaving trains, car(s) and other on-track equipment unattended, it must be inspected by a qualified employee when it is known that an emergency responder was on, under, between, or otherwise manipulated the equipment. Any Amtrak employee who has knowledge of an emergency responder being on, under, between or otherwise manipulating equipment must report their observation to the Train Dispatcher.

140-S1. FOUL TIME

In the application of Rule 140, Foul Time information must be recorded by the Dispatcher or Operator issuing the foul time, and recorded by the employee requesting the foul time on form NRPC 3045 "Authority to Foul Tracks Record".

Before allowing additional employees to join the work being performed under Foul Time permission, the employee who was granted Foul Time by the Dispatcher must conduct a job briefing with the additional employees, and must review the track(s) being protected, the Foul Time track and time limits, and all other factors affecting the work. The additional employees must not be permitted to foul the track(s) involved until they have verified their full understanding of all topics discussed during the job briefing.

The employee who was granted Foul Time by the Dispatcher or Operator must not release the Foul Time until they have ensured that all fouling activity under their authority has been cleared.

The Authority to Foul Tracks Record must be retained and held available for inspection for a period of 7 days.

THIS SECTION INTENTIONALLY LEFT BLANK

140-S2. USE OF SUPPLEMENTAL SHUNTING DEVICE

This instruction requires the employee in charge of “covered fouling activities” to apply an approved Supplemental Shunting Device (SSD) to the track(s) to be fouled, after receiving foul time from the Dispatcher or Operator. The purpose of the SSD is to **supplement, not replace**, blocking device protection provided by the Dispatcher or Operator.

A. Covered Fouling Activities: Except as noted below, this instruction applies when equipment will be used to foul a track in signaled territory or within interlocking limits for more than 5 minutes.

This instruction does **not** apply when the fouling activity:

1. Requires Form D line 4 or line 5 authority,
or
2. Is within the approach circuit to a highway crossing that is not equipped with a device that will automatically interrupt the operation of the crossing’s warning devices (i.e., any crossing listed in Special Instruction 138 that does **not** have an “X” in Column 1 of that instruction),
or
3. Is within 200 feet of any highway crossing that is equipped with automatic warning devices.

Note: Roadway Workers performing service without equipment may elect to use an SSD. Roadway Workers electing to use an SSD must do so in accordance with sections “B” and “C” of this instruction.

B. Actions to Be Taken Before Performing Covered Fouling Activities: The following requirements apply to **each track** to be fouled. The person in charge of the work must take the following actions **before** permitting the fouling activity to begin.

1. **Obtain verbal permission to foul the track from the Dispatcher or Operator.**

2. **Fouling Within Interlocking Limits:** For the purpose of this instruction, a “signal pocket” is defined as a section of track located between two interlocking signals that govern movement out of the pocket, with no switches between the two signals. Signal pockets are usually found where a passenger station exists within interlocking limits. Signal pockets are designed to allow the Dispatcher to route other trains around a train that is making a station stop or standing in the pocket.

a. **Fouling Within Signal Pocket** – When track is to be fouled within a “signal pocket”, SSD will be applied within that interlocking signal pocket.

b. **Fouling Outside of Signal Pocket** – When necessary to foul an interlocking track that is not located within an interlocking “signal pocket”, **prior to beginning work**, the employee in charge of the fouling activity must contact the Division Engineer or his designated C&S Department representative to determine the location(s) at which SSD device(s) must be applied within interlocking limits. SSD device(s) must then be applied within interlocking limits at the previously approved location(s).

c. Verify that the track is shunted by asking the Dispatcher or Operator if there is a track occupancy light (TOL) on the model board in the appropriate location.

3. **Fouling Outside Interlocking Limits:** For the purpose of this instruction, a “block” is defined as a length of track between fixed signals.

a. If only **one block** will be fouled, apply a SSD to the track in the block to be fouled.

b. If **more than one** block will be fouled, be governed as follows:

- On a Rule 251 Track, apply a SSD in the first block to be fouled (or in the block prior to that block), as determined by a train operating with the current of traffic.

- On a Rule 261 Track, apply a separate SSD in each block to be fouled.

c. Verify that the track is shunted by observing that the signal governing entrance to the block is displaying Stop Signal, Stop and Proceed, or Restricting, or asking the Dispatcher or Operator if there is a track occupancy light (TOL) on the model board in the appropriate location.

140-S2. (Cont'd)

C. Actions to Be Taken Before Reporting Clear: Before reporting clear of the track to the Dispatcher or Operator, the employee in charge of the work must remove the shunt(s) by either:

1. Disconnecting the coupler in the middle of the SSD
- or
2. Removing the SSD from the track.

The SSD must be removed from the track when reporting clear for last time.

FORM D RULES

161-S1. APPROVED ABBREVIATIONS

The following abbreviations are approved for use in movement Permit Form D:

DB	Dorchester Branch
HUD	Hudson Line
LLC	Lehigh Line Connection
MRS	Main Line—Mill River to Springfield
MM	Middleboro Main Line
MV	New Jersey Transit Morrisville Line
NGB	Niagara Whirlpool Bridge
NHB	Main Line—New Haven to Boston
N Phila	North Philadelphia
NYP	Main Line—New York to Philadelphia
NYS	Main Line—Harold to CP 216
NYT	New York Terminal District
PH	Main Line—Philadelphia to Harrisburg
PRB	Post Road Branch
PSCC	Penn Station Central Control
PW	Main Line—Philadelphia to Washington
TSRB	Temporary Speed Restriction Bulletin
WT	Washington Terminal
36SC	36th St Connection

165-S1. FORM D INQUIRY AND DELIVERY PROCEDURES

At the following locations, Conductors/Engineers of trains indicated must contact the Dispatcher or Operator to inquire about Form D's, TSRB changes, Supplemental Bulletin Orders, and other new instructions. Inquiry must be made sufficiently in advance to avoid delay to train, **but must not be made prior to scheduled sign-up time.** Conductor/Engineer must either deliver Form D's and/or other new instructions to the Conductor/Engineer, or notify Conductor/Engineer that no Form D's and/or new instructions are in effect. Engineers must not depart until Form D and new instruction status has been verified with Conductor.

Conductors and Engineers must discuss Form D content before departing. Telephone numbers for Amtrak offices are listed in S.I. 714-S1 (see page 331).

Location	Trains	Dspr or Opr to contact	Notes
Boston	All Trains	Chief Dispatcher	2, 7
	Regional & Acela Express	Metro-North & Amtrak New York Chief Dispatchers	14
	Trains destined New Haven	Metro-North Chief Dispatcher	12
	Trains destined Springfield	CSX Boston Dspr- Selkirk	2, 4
Springfield Ticket Office	Southward Trains	Amtrak & Metro- North Chief Dispatchers	2, 8, 12
New Haven	Eastward & Northward Trains, except Regional & Acela Express	Amtrak & Metro- North Chief Dispatchers	2, 7, 12

165-S1. (Cont'd)

Location	Trains	Dspr or Opr to contact	Notes
New Haven	Westward Trains, except Regional & Acela Express	Metro-North New Haven Operator & New York Asst. Chief Dispatcher	13
New Haven	Trains destined Boston via Springfield	CSX Berkshire Dspr-Selkirk	2, 5
Boston, Springfield Niagara Falls, Buffalo Depew, Syracuse, Montreal PQ, Rouses Point, Rutland VT, Albany-Yard Master's Office	All trains destined: Niagara Whirlpool Bridge, Post Road Branch, Hudson Line	Amtrak Hudson Line Dspr	1, 16
Croton Yard, Oak Point Yard, Selkirk TM, Selkirk Div. Ops., South Schenectady Yard, West Albany Yard	CSX Freight trains destined Hudson Line		
New York - TOC	All trains not destined Sunnyside Yard, including trains operating from New York en route to Harrisburg that do not change crews at 30 th St. Station, Phila.	Passenger Operator	6, 16
	Eastward Regional & Acela Express trains	Psgr. Opr. & Boston Assistant Chief Dspr	6, 15, 16
Q Tower	Road Trains destined New York	Passenger Operator Station Master's Office	6, 11, 16
Lane	Trains originating	Opr Dock	16
County	Trains originating	CETC 8 Dspr	16
Trenton Station Master's Office	Trains originating at Trenton	CETC 7 Dspr	1, 16
Morris	Trains originating	CETC 7 Dspr	16
30th St Station	Trains originating at 30 th St. Station, except those destined Penn Coach Yard or Race St. Engine Terminal	CETC 5 Dspr	9
	Trains that change crews at 30 th St. Station, and operate from Harrisburg en route to New York, or operate from New York en route to Harrisburg.	CETC 5 Dspr	10
Frazer Yard	Trains originating at Frazer or Glen	Train Director - Thorn	1

165-S1. (Cont'd)

Location	Trains	Dspr or Opr to contact	Notes
Harrisburg	All eastward trains, including trains that operate from Harrisburg en route to New York that do not change crews at 30th Street Station, Phila.	Train Director - State	...
Abrams, Bayview, Bennings, Chrysler, Edgemoor, Enola, Frankford Jct, Harrington, Harrisburg, Lancaster, and South Philadelphia Yards	Conrail & NS trains operating between: Holmes & CP Avenue and Glen & Harrisburg	Dspr or Opr controlling entrance to Amtrak Territory	1
Perry	MARC trains originating or turning at Washington, Baltimore, Martins, or Perry	GETC-3 TD	3
Baltimore-Psgr Services Office, and Martins MARC Facility		GETC-2 TD	1, 3
Washington-K Tower		Train Director - K Tower	1, 3
Washington-Crew Dspr Office	Northbound Amtrak trains	Train Director - K Tower	1

NOTE 1: Form D's are **electronically transmitted** to this location. CONDUCTORS must examine Form D's for completeness and legibility, contact the Dispatcher or Operator to verify the number and date of each Form D received, and then complete the delivery portion of the first Form D prior to delivering the Form D's to their engineer.

ENGINEERS must not depart until ensuring that the delivery portion is completed on the first Form D, and that the information shown in the delivery portion corresponds with the Form D's received.

NOTE 2: Form D's are **electronically transmitted** to this location. ENGINEERS must examine Form D's for completeness and legibility, contact the Dispatcher to verify the number and date of each Form D received, and then complete the delivery portion of the first Form D prior to delivering the Form D's to their CONDUCTOR.

NOTE 3: Form D's will be addressed to "MARC trains operating between Perry and Washington" and will remain in effect, unless cancelled, for all trips made by each crew during the tour of duty on which they were received.

NOTE 4: Commercial phone number (518) 767-6111.

NOTE 5: Commercial phone number (518) 767-6112.

NOTE 6: Conductor/Engineer must report to TOC prior to their train's departure time. They must fill out all required information on the TOC Record of Inquiry.

NOTE 7: Phone (ATS) 580-7585 Commercial (617) 345-7585.

NOTE 8: Phone (ATS) 580-7574 Commercial (617) 345-7574.

– Notes Continued on Next Page –

165-S1. (Cont'd)

NOTE 9: All trains originating 30th St. Station will obtain their Form D's in the sign-up room across from the T&E lounge (adjacent to valet parking window), and Note 1 will apply.

NOTE 10: Crews for these trains will obtain their Form D's in the sign-up room across from the T&E lounge (adjacent to valet parking window), and Note 1 will apply.

NOTE 11: Road Conductors signing up at Q Tower, Sunnyside Yard, must call the Operator at the Terminal Operations Center (TOC) to inquire about Form D's and/or new instructions that may in effect for their train, which will be faxed to Q Tower. Upon arrival in New York, Note 6 above applies.

NOTE 12: Crews must contact the Metro-North Chief Dispatcher (1-800-724-3004 or 1-212-340-2050) to determine the number of the latest Metro-North Bulletin Order.

NOTE 13: Conductors must inform the Metro-North Operator of crew names and train consist, and call New York Section A Train Dispatcher (ATS 521-7472 or 212-630-7472) for Form D's and other instructions.

NOTE 14: Crews must contact the Metro-North Chief Dispatcher (800-724-3004 or 212-340-2050) and the New York Chief Dispatcher (ATS 521-7465 or 212-630-7465) to confirm they are in possession of the current Bulletin Orders, TSRB's and other instructions pertaining to their train.

Note 15: Boston Asst. Chief Dspr. - Phone (ATS) 580-7585 or commercial (617) 345-7585.

Note 16: Conductors must not inquire about Form D's and/or other new instructions that may be in effect for their train prior to the scheduled sign-up time.

165-S2. FORM D's FOR SEPTA TRAINS

A Form D which has been **addressed** for use "Between", meaning both directions, will be retained on that train for use in the opposite direction. Form D will be fulfilled after **1** round trip.

SEPTA Trains possessing Form D's containing Amtrak main line restrictions will verify at turnaround locations that there are no additional Form D's for the return trip.

175-S1. TEMPORARY SPEED RESTRICTIONS BEGINNING OR ENDING AT AN INTERLOCKING

When an interlocking is used as one of the limits of a temporary speed restriction, the speed restriction will not apply within the interlocking, unless otherwise specified on the Form D or TSRB issuing the speed restriction.

175-S2. "80 MPH SLOW BY" SPEED RESTRICTION

When an Undercutter or TLM is working on an out-of-service track, an "80 MPH Slow By" Form D will always be issued to trains operating on tracks immediately adjacent to the **TLM**, but will be issued on tracks immediately adjacent to the **Undercutter** only when requested by the MW employee in charge. The Form D will be issued in the following format:

"Do not exceed 80 MPH on No. ___ track(s) ___ Line between ___ and ___ between the hours of ___ and ___ Speed signs will be displayed Speed restriction applies to head end only."

The speed restriction applies only between the hours prescribed. The time period must begin and end on the hour or half hour. Speed signs must be erected at the start time and removed at the end time. The Form D must be canceled at delivery points once the end time has been reached. Crews who encounter speed signs displayed outside the specified time period should comply with the signs and report the discrepancy to the Dispatcher.

When track work is completed each day, the MW employee in charge must provide the Dispatcher with the limits, times and date for the following work day's 80 MPH speed restriction. On the next day, the MW employee in charge must confirm this information with the Dispatcher.

177-S1. OVERLAPPING TEMPORARY SPEED RESTRICTIONS

Dispatchers must take the following actions when issuing a temporary speed restriction by Form D or TSRB addition that changes any portion of a previously issued Form D or TSRB:

1. Issue a Form D line 1 or TSRB addition to cover the entire affected track area.

AND

2. Issue a Form D line 13 or TSRB line cancellation to cancel the previously issued speed restriction(s).

EXCEPTION: These procedures are not required when issuing a temporary speed restriction of a short duration or emergency nature (e.g., heat order, rough track, bridge strike, etc.).

When two or more temporary speed restrictions overlap or conflict, employees will be governed by the more restrictive speed.

241-S1. PASSING A STOP SIGNAL

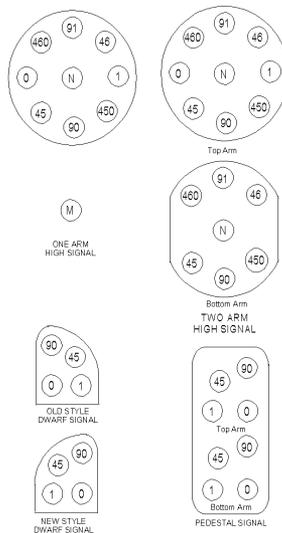
In the application of Rule 241, item b, Restricted Speed applies to the entire train.

241-S2. STOP SIGNAL PROTECTING MOVABLE BRIDGE: QUALIFIED EMPLOYEE

When an inspection of a movable bridge is required by NORAC Rule 241(d), the inspection must be performed by a qualified Engineering Department employee.

242-S1. IMPERFECTLY DISPLAYED SIGNALS

When reporting imperfectly displayed position light signals or color position light signals, the chart shown below must be used to identify missing lights by number.



279-S1. NEW JERSEY TRANSIT EQUIPMENT – NON-CONFORMING CAB SIGNAL ASPECTS

Cab signal units on some NJ Transit engines and control cars display the number “80” on a lighted steady green or lighted steady yellow background to indicate Cab Speed; or a black “45” with a yellow background to indicate Approach Medium.

279-S2. CAB SIGNAL ASPECTS & DISPLAY UNITS

Various engines and control cars are being equipped with a new cab signal display unit, which displays the speed enforced by the cab signal aspect. The new units, in conjunction with new cab signal codes that are being phased in over the next several years, will display up to ten different cab signal aspects - Clear 150, Clear 125, Clear 100, Cab Speed 80, Cab Speed 60, Approach Limited 45, Approach Medium 45, Approach Medium 30, Approach 30, and Restricting 20.

279-S3. CAB SIGNAL ASPECTS: RESTRICTING

A red over white cab signal is added to the aspects that conform to a Restricting Signal.

Name	Aspect
Restricting	 red white

287-S1. SLOW CLEAR INDICATION

Where interlockings are back-to-back (i.e., one interlocking ends where the other begins), trains receiving a Slow Clear signal to operate from one back-to-back interlocking to the other must, after clearing all interlocking switches at the first interlocking, approach the home signal for the second interlocking at Slow Speed.

290-S1. RESTRICTING SIGNAL

In the application of Rule 290, Restricted Speed applies to the entire train.

291-S1. STOP AND PROCEED SIGNAL

In the application of Rule 291, Restricted Speed applies to the entire train.

296-S1. APPROACH PERMANENT SPEED LIMIT SIGN

Rule 296, "Approach Permanent Speed Limit Sign," is revised as follows:



Fig. A



Fig. B

(Black numbers or letters on yellow background)

NAME: Approach Permanent Speed Limit Sign

INDICATION: Proceed prepared to operate at prescribed speed through permanent speed restriction. If speed posted on sign is different than authorized Timetable Speed, Timetable Speed will govern.

Note: In electrified territory, this sign will be mounted in the catenary system or on catenary poles. In non-electrified territory, this sign will be mounted on an overhead bridge or on a pole approximately 12 feet above the top of the rail.

296a-S1. APPROACH SPEED LIMIT SIGN

Approach Speed Limit signs for speed restrictions for passenger train types "C" and "D" will have "CD" marked on the sign above the numerals.

296c-S1. DISPLAY OF RESUME SPEED SIGN

If two or more temporary speed restrictions adjoin each other, only one Resume Speed Sign will be used. That sign will be displayed at the end of the final restriction. Trains will be governed by the TSRB or Form D in their possession.

FORM D CONTROL SYSTEM

400-S1. MOVEMENTS IN DCS TERRITORY

In the application of Rule 400, Dispatchers issuing Form D line 2 for movement in DCS territory may use any station or whole mile post as the end point of the line 2 authority. Before issuing Form D line 2, however, the Dispatcher must ensure that the track to be used is clear to the next interlocking, controlled point or TBS. Four exceptions are:

1. When the authority is written to the end of a main track which ends at a point other than an interlocking, controlled point or TBS.
2. When a portion of the main track ahead of the movement is out of service in accordance with Rule 134.
3. When authorizing an engine to assist a disabled train in accordance with Rule 137.
4. When authorizing a train to pick up unattended equipment in accordance with Rule 139.

401-S1. NON-INTERLOCKED FACING POINT SWITCHES

Trains operating under the DCS rules must not pass over non-interlocked facing point switches until it is ascertained that the switch is properly lined.

401-S2. OPERATING IN NON-SIGNALED DCS TERRITORY: MAXIMUM AUTHORIZED SPEED

NORAC Rule 401(a) has been revised to comply with the Federal requirements in 49CFR Part 236.0 reducing the maximum authorized speeds.

401. Operating in Non-Signaled DCS Territory

a. Maximum Authorized Speed

Passenger trains must not exceed 59 MPH and freight trains must not exceed 49 MPH, unless otherwise restricted.

500-S1. SPEED ENTERING ABS BETWEEN SIGNALS

In the application of Rule 500, paragraph c, Restricted Speed applies to the entire train.

CAB SIGNAL SYSTEM

550-S1. AUTOMATIC TRAIN CONTROL SYSTEM

All trains operating on the Northeast Corridor must be equipped with an Automatic Train Control (ATC), Speed Control or Locomotive Speed Limiter system (LSL) that will enforce cab signal aspect speeds. The ATC, Speed Control or LSL must be cut in and functioning whenever movement is governed by *ABS or interlocking rules*, regardless of whether cab signal rules are in effect on the track. Four exceptions to this requirement are:

1. Trains that experience a cab signal, ATC, Speed Control or LSL failure en route while operating in CSS territory. (Trains operating in *non-CSS territory* cannot claim an en route cab signal, ATC, Speed Control or LSL failure, unless they have experienced a catastrophic failure of their on-board apparatus, such as a major debris strike that damages their cab signal pickup bar.)
2. Trains operating within Washington Terminal that are not operating to or from the Main Line—Philadelphia to Washington.
3. Trains operating between Tower 1 and Cove destined to or from CSXT Boston Line.
4. Trains operating against the current of traffic, where DCS rules have been substituted for ABS rules, or where CSS rules have been removed from service in accordance with Rule 561, may cut out their speed control switch or ATC cutout switch through the affected area (P42 & P40 engines must cut out the territory switch). However, speed control, ATC or territory switch must be cut back in immediately before the train leaves the affected area.

NOTE: When operating against the current of traffic on a Rule 251 track, the cab territory switch (if equipped) should be used to cut the speed control out through the affected area. However, when operating where DCS rules have been substituted for ABS rules, or CSS rules have been suspended, the electric ATC cut out switch must be used to avoid penalties that might occur if cab signal flips are received. Whenever a seal is broken to cut out one of these appliances, the Engineer must record the action on locomotive inspection form (MAP 100 for Amtrak engines). When the equipment is cut back in at the entrance to signaled territory, no retest is required, unless the equipment was cut out pneumatically.

AMT-3 Instruction 7.2.1(c), "Territory Switch" is modified accordingly for movements leaving cab signal territory that are still governed by ABS or interlocking rules.

The controlling locomotive of trains operated in the NEC that are equipped with a **Locomotive Speed Limiter (LSL)** system must be equipped with indicating lights on each side that illuminate when the locomotive's LSL system is cut in and functioning properly. If these LSL indicating lights are seen to be extinguished in cab signal territory, the train's LSL system may be cut out or not functioning properly, and immediate notification must be made to the crew of the train involved and to the Dispatcher.

551-S1. ON-BOARD CAB SIGNAL TESTING DEVICE

MARC Control Cars 7745-7749 are equipped with an onboard cab signal testing device, governed by AMT-3 Instruction 7.2.3(A), "ATC (Cab Signal) Self Tester".

551-S2. CAB SIGNAL TESTS

When a cab signal test is performed by an engineer where there are no mechanical forces on duty to receive a copy of the test results, in addition to posting a copy in the locomotive cab, the results of such inspection must be transmitted to the Dispatcher, specifying the location, date, time, train, engine number, engineer's name and test results. The Dispatcher will record the test information in the Record of Cab Signal Test book.

561-S1. SINGLE LITE ACS-64, AEM-7, ALP-44, ALP-46, HHP-8, HST POWER CAR & MU ENGINE MOVEMENTS

In CSS territory, Dispatchers and Operators must not authorize a train to follow a **single lite ACS-64, AEM-7, ALP-44, ALP-46, HHP-8, HST power car or MU engine** between consecutive interlockings or controlled points, or between consecutive signals within interlocking limits.

Exceptions:

1. This restriction does not apply when the equipment is stored on a station track, without a signal to proceed.
2. This restriction does not apply on track Nos. 4 and 5 between Arsenal and Phil, inclusive (PW Line).
3. This restriction does not apply on the PH Line territory listed below:
 - No. 1 Track, between 52nd St. and eastern limits Zoo Int
 - No. 4 Track, between the eastern and western limits of Zoo Int
 - No. 4 Valley Track, between western limits Zoo Int (44th St.) and Valley Int (52nd St.)
 - No. 2 Track, between connection with K Ladder in Zoo Int (D1) and 44th St (JO).
4. In an emergency, the Dispatcher may authorize a train to follow this equipment by issuing the following train a Form D Line 11 for the territory involved.

Prior to entering cab signal system territory, the conductor or engineer of a **single lite ACS-64, AEM-7, ALP-44, HHP-8, HST Power Car or MU engine** must notify the Dispatcher or Operator, who must in turn notify the next Dispatcher or Operator ahead of the movement. Interlocking and controlled point signals must be displayed for the lite engine movement.

Each Operator or Dispatcher involved must apply blocking devices to his control machine to restrict following movements. These blocking devices need not be recorded nor reported to the Dispatcher. Interlocking machine indication may be relied upon to determine when engine has cleared interlocking or controlled point signals.

580-S1. ACSES RULES DEFINITIONS

Advanced Civil Speed Enforcement System (ACSES): A transponder and data radio based train control system that supplements the cab signal/speed control system by enforcing permanent speed restrictions, temporary speed restrictions, and a positive stop at interlocking and controlled point signals displaying Stop Signal.

Transponder: A device mounted between the rails that transmits location-specific train control information to trains equipped with on-board ACSES apparatus.

Data Radio: A radio used on-board ACSES equipped trains and at fixed sites to enhance certain features of ACSES through transmission and reception of data.

ACSES RULES

Advanced Civil Speed Enforcement System (ACSES) Rules apply only where designated by Timetable or Bulletin Order. ACSES will automatically apply the brakes of an equipped train if the engineer fails to take proper action to comply with a permanent or temporary speed restriction, or an interlocking or controlled point (CP) signal displaying Stop Signal.

580-S1. (Cont'd)

Positive Train Stop (PTS) Zone: The PTS Zone is the length of track preceding interlocking signals and controlled point signals, within which the ACSES calculated PTS braking curve will force a train to stop before reaching a Stop Signal, by causing a penalty brake application. The PTS Zone extends approximately 1000 feet from the interlocking or CP signal, varying in length depending upon the distance between the distant signal and the interlocking or CP signal, and rail adhesion conditions.

580. Trains Equipped with ACSES Apparatus

All trains operating in ACSES territory must be equipped with ACSES apparatus, unless otherwise authorized by Special Instruction. (See SI 580-S2, page 327)

581. Testing the ACSES Apparatus

a. Departure Test

The ACSES apparatus on the leading end of the first engine or control car of each equipped train must be tested and found to be operational within 24 hours before the engine or control car leaves its initial terminal. If test equipment is not available at a point where another unit will be required to become a lead unit, this unit must also be tested at the initial terminal.

The employee performing the test must post a signed copy of the test results in the cab of the locomotive and must leave a signed copy of the test results at the test location.

b. Engineer's Responsibility

Engineers taking charge of an equipped engine destined for ACSES territory must examine the test form to ensure that the on-board apparatus has been tested within the prescribed period, and must examine the ACSES display to ensure that the apparatus is cut in. The Missing Transponder Symbol (“-”) will be displayed on the track speed indicator until the engine enters ACSES territory.

If the engine is equipped with a train-type selector switch, the Engineer must ensure that the switch is in the correct position, as determined by the train's consist and the train type definitions that are included in the timetable.

c. Operating from Equipped Unit Without Departure Test

If necessary en route to operate from an equipped unit or end that had not been given a departure test, the ACSES apparatus must be considered inoperative. Rule 584, “Movement With Inoperative On-board ACSES Apparatus,” must be observed.

d. ACSES Failure on Equipment in Turnaround Service

Under the following conditions, a train that has experienced an ACSES failure may be dispatched from a turnaround point, governed by the rules that apply to an en route failure (Rule 584):

1. The equipment is used in turnaround service between its originating terminal and the turnaround point,

AND

2. The equipment received a satisfactory ACSES test within the previous 24 hours,

AND

3. No mechanical forces are on duty at the turnaround point to repair the equipment.

The crew must advise the Dispatcher of the failure before leaving the turnaround point. The equipment must be repaired or replaced at the next forward point that will not cause undue delay to the train.

582. ACSES Display and Enforcement of Track Speeds

a. ACSES Conforms to Known Track Speeds

1. The on-board ACSES apparatus will display and enforce all permanent and temporary track speed limits. When approaching a location where the track speed is more restrictive, the track speed indicator will display the speed change prior to reaching the restriction if a reduction in speed is required.

Exception: Temporary Transponders - Where temporary transponders are used to enforce temporary speed restrictions:

580-S1. (Cont'd)

- i. Temporary speed restrictions will be displayed and enforced as soon as the engine passes the temporary transponder, regardless of the train's speed.
 - ii. Temporary transponders will be installed at the location of the *Approach Speed Limit Sign* to ensure adequate braking distance.
 - iii. ACSES will not display or enforce temporary speed restrictions within interlocking limits.
2. When the track speed indicator changes to a more restrictive speed, the audible indicator will sound until the speed change is acknowledged. Failure to acknowledge the change within 8 seconds or to satisfy the required braking rate will result in a penalty application of the brakes.
3. When the track speed indicator changes to a more favorable speed, the audible indicator will transmit a short sound, which will not require acknowledgment. Speed must not be increased until the entire train has cleared previous lower speed limit.
4. Where ACSES data radio is in service and a train is diverted at an interlocking over one or more switches, ACSES will display and enforce the speed of the slowest crossover in the established route on trains that are equipped with the "ACSES II T.S.R. Data Radio" version of on-board apparatus. This crossover speed enforcement will continue until the head end of the train clears the interlocking, but may release sooner at certain locations.
- b. ACSES Does Not Conform to Known Track Speeds: More Restrictive Speed Governs**
1. If ACSES displays an incorrect speed limit, the lower speed limit will apply.
 2. If ACSES displays the Missing Transponder Symbol ("– –"), the train will operate according to track and signal speed limits, not exceeding 110 MPH between New Haven and Boston, and 125 MPH between New York and Washington.
 3. If ACSES displays the **Missing Temporary Speed Symbol** (display alternates between "– –" and permanent track speed, the train will operate according to track and signal speed limits. Although ACSES will cap the maximum speed displayed at 125 MPH in all ACSES equipped territory, trains operating between New Haven and Boston must not exceed 110 MPH.
 4. When approaching an interlocking, if data radio reception is interrupted and train routing data is not received by the on-board ACSES apparatus, ACSES may enforce a temporary speed restriction that exists on an adjacent track within or beyond the interlocking, as a precaution in case the train is routed to the affected track. This adjacent track temporary speed restriction enforcement will be released when the train exits the interlocking.
 5. On High Speed Trainsets, various internal faults (e.g., "ACSES Data Not Available") may cause the display of Train Type "B" speeds instead of Train Type "A" speeds, even when the tilt system is still functional. When this occurs, a report must be made to the Dispatcher, and the train will be governed by the Train Type "B" speeds displayed. This type of malfunction will not be considered an ACSES failure, but must be recorded on MAP 100.
- c. If one of the conditions listed in Part "b" occurs:**
1. The Engineer must notify the Dispatcher as soon as possible without delay to the train. The report must include the location and description of the non-conformity.
Exception: Non-conformities referenced in Rule 586, "Circumstances in Which ACSES May Not Indicate Current Wayside Conditions," need not be reported to the Dispatcher.
 2. The Dispatcher must relay all reported information to appropriate Mechanical and C&S personnel, so that they can investigate the non-conformity.
 3. Normal speed may be resumed once ACSES displays a correct speed on the track speed indicator, unless an ACSES on-board apparatus failure has occurred as described in Rule 584(a).

580-S1. (Cont'd)

583. ACSES Enforcement of Interlocking and CP Signals

a. Stop Signal Enforcement

ACSES will enforce a positive stop at interlocking and CP signals displaying Stop Signal.

b. Approaching Interlocking & CP Signals

ACSES will cause a penalty application of the brakes to occur on trains that are approaching interlocking and CP signals, if:

1. The train is approaching the signal at a speed above the braking curve for the signal, as calculated by the on-board ACSES apparatus. (On engines equipped to do so, Stop Signal will be displayed on the cab signal aspect when the penalty application occurs.)

or

2. The train stops within the PTS Zone with a Restricting cab signal or with cab signals cut out, and the brakes are released while the interlocking or CP signal displays Stop Signal.

or

3. Where either wayside or on-board data radio is inoperative, the train stops within the PTS Zone with a Restricting cab signal or with cab signals cut out, and the brakes are released before the Stop Release Button is pressed.

c. Positive Stop Enforced Within the PTS Zone:

Once stopped by ACSES within the PTS Zone, trains must not resume movement toward a Stop Signal.

NOTE: At higher approach speeds, a penalty brake application may force the train to stop prior to reaching the PTS Zone. If this occurs, the brakes may be released without operating the Stop Release Button.

d. Stop Release Button

Unauthorized use of the Stop Release Button may interfere with the safe passage of trains, and is therefore prohibited. Unless otherwise specified, use of the Stop Release Button is authorized only as prescribed below:

1. Train at Stop Signal - Rule 241 Permission:

After a train has received Rule 241 permission from the Dispatcher to pass a fixed signal displaying Stop Signal, and the Dispatcher or Operator has confirmed the repetition of that permission, the Stop Release Button may be operated to allow the train to proceed.

2. Train Shoving Past Home Signal:

When a home signal displaying an aspect more favorable than Stop Signal is displayed for a train that is being operated from other than the leading end, a penalty brake application may occur when the leading end of the movement operates past the home signal. Should a penalty brake application occur under these circumstances, the Stop Release Button must not be used until the crew has received the Dispatcher's permission as prescribed in Section 4 of this rule, "Train at Signal Other Than Stop Signal".

3. Train Making Station Stop Near Stop Signal

When making a station stop near an interlocking signal displaying Stop Signal, the location of the positive stop enforced by ACSES may be short of the desired station stop location. If this occurs, the Engineer must contact the Dispatcher to ask whether the interlocking signal can be displayed. If immediate display of the signal is not possible due to prevailing conditions, the Stop Release Button must not be used, and the train's brakes must remain applied until the signal displays an aspect more favorable than Stop Signal.

4. Train at Signal Other Than Stop Signal:

It should not be necessary to use the Stop Release Button to pass any fixed signal **other than** a Stop Signal at any data radio equipped interlocking or Controlled Point, except when an ACSES data radio failure has occurred. The

580-S1. (Cont'd)

Stop Release Button must not be used until the crew has received the Dispatcher's permission as prescribed below:

- (a) The crew must advise the Dispatcher of the train's location, track, direction, and the name of the next governing signal.
- (b) Before granting permission to use the Stop Release Button to pass a fixed signal other than Stop Signal, the Dispatcher must verify the train's location, track, direction and route status, and ensure that no opposing or conflicting movements have been authorized.
- (c) Once it has been determined that it is safe to do so, permission to use the Stop Release Button to pass a fixed signal other than Stop Signal must be given in the following manner:
"No. 314 engine 4129 may use the ACSES Stop Release Button on No. 2 track at Rare."
The receiving employee must repeat this permission to the Dispatcher or Operator, and must not use the Stop Release Button until the Dispatcher or Operator has confirmed the repetition.
- (d) The Dispatcher or Operator must record and report all information pertaining to the ACSES anomaly.

5. Movement Restriction After Stop Release Button is Pressed:

Once permission has been received and the Stop Release Button has been pressed, ACSES will display and enforce a track speed of 15 MPH until the engine clears the interlocking or CP.

584. Movement With Inoperative On-board ACSES Apparatus

The movement of a train equipped with inoperative on-board ACSES apparatus is prohibited, except when failure occurs after the engine leaves its initial terminal.

a. Criteria for Determining ACSES On-board Apparatus Failure

The ACSES on-board apparatus will be considered as having failed if any of the following conditions occur:

1. The audible indicator fails to sound when the ACSES display changes to a more restrictive speed.
2. The audible indicator continues to sound even though the ACSES change was acknowledged and the speed of the train was reduced to the speed required by ACSES.
3. The track speed indicator fails to conform to 3 permanent speed changes in succession.
4. Damage or fault occurs to any part of the ACSES on-board apparatus.

Note: Display of the **Missing Temporary Speed Symbol** (display alternates between "– –" and permanent track speed) is not an ACSES on-board apparatus failure. However, the train must operate according to track and signal speed limits, not exceeding 110 MPH on the NHB Line* and 125 MPH on the NYP & PW Lines. The Engineer must notify the Dispatcher as soon as possible without delay to the train, regarding the location and description of the non-conformity.

b. Engineer's Responsibility

If the on-board ACSES apparatus fails en route, the Engineer must take the following actions:

1. Cut out the on-board ACSES apparatus.
2. Operate according to track and signal speed limits, not exceeding 110 MPH between New Haven and Boston, and 125 MPH between New York and Washington.
3. Notify the Dispatcher and Conductor as soon as possible without delay to the train. The reason and location of the failure must be included in this report.
4. Consider the failed on-board ACSES apparatus as inoperative until the apparatus has been repaired, tested and found to be functioning properly.

580-S1. (Cont'd)

c. Dispatcher's Responsibility

Dispatchers who are notified of an on-board ACSES apparatus failure must take the following actions:

1. Promptly notify appropriate Mechanical and Signal personnel of the reason and location of the failure.
2. Promptly notify the Dispatcher of the connecting dispatching district.

585. ACSES Operation with Failed Cab Signals

ACSES will function differently on trains with the on-board cab signal apparatus cut out because of an en route cab signal failure:

1. The Missing Transponder Symbol (“–”) will be displayed continuously.
2. ACSES will continue to enforce track speed limits, and interlocking and CP signals displaying Stop Signal.
3. ACSES will enforce Slow Speed, Medium Speed and Limited Speed routes within interlocking limits.
4. ACSES will enforce a positive stop at interlocking or CP signals governing entrance to Rule 562 territory, when Clear to Next Interlocking Signal is not displayed.

Trains will be governed by the rules that apply to cab signal failures.

Note: In ACSES territory where data radios are **not** in service, trains operating with failed cab signals, or where DCS rules have been substituted for ABS rules, must cut out the on-board ACSES apparatus.

586. Circumstances in Which ACSES May Not Indicate Current Wayside Conditions

ACSES may not indicate current wayside conditions under the following circumstances:

1. When a train enters ACSES territory at a hand-operated switch or makes a reverse move in ACSES territory, ACSES may not display the correct track speed until the engine passes the first transponder set.
2. When a train makes a diverting move through an interlocking, ACSES may not display the correct speed of the track to which the train is routed until the train passes the first transponder set on the affected track.
3. When an engine passes a transponder while moving at less than 3 MPH, ACSES may display the Missing Transponder Symbol.
4. When entering an area where multiple closely spaced civil or temporary speeds are encountered in succession, ACSES will enforce each civil speed and speed restriction, but may not display all intermediate speed changes.

587. Movements that Must Not Exceed 20 MPH

Trains that enter ACSES territory at a hand-operated switch or make a reverse move between transponder sets must not exceed 20 MPH until a valid track speed is displayed on the track speed indicator.

588. Wayside Portion of ACSES Not Operative

If the wayside portion of ACSES is inoperative, the Dispatcher may issue a Form D line 13 or verbal instructions to temporarily suspend ACSES Rules in the area affected by the malfunction. The Signal Department may install temporary transponders to automatically suspend operation of the on-board ACSES apparatus within the designated limits. The Engineer must NOT manually cut out the on-board apparatus.

Movement within the designated limits will operate according to track and signal speed limits, not exceeding 110 MPH between New Haven and Boston, and 125 MPH between New York and Washington.

589. Reliance on ACSES

ACSES enforcement of track speeds and signal indications does not relieve employees from their responsibility for maintaining thorough knowledge of physical characteristics and track speeds. ACSES is intended to supplement, not replace, employee knowledge and skills.

580-S1. (Cont'd)

590. Dispatcher's Responsibility for Recording Movements

Dispatchers must record on the Record of Train Movements the movement of trains operating under any of the following conditions:

1. ACSES does not conform to track speeds.
2. Movement with inoperative on-board ACSES apparatus.
3. Wayside portion of ACSES inoperative.

591. Engineer's Responsibility to Report on Forms

Engineers must report the following occurrences on the prescribed form, in addition to verbally reporting them as prescribed by previous rules:

1. ACSES does not conform to track speeds.
2. Movement with inoperative on-board ACSES apparatus.

580-S2. TRAINS EQUIPPED WITH ACSES APPARATUS

On the Main Line–New Haven to Boston (NHB), all trains must be equipped with operative on-board ACSES apparatus. On the Main Line–New York to Philadelphia (NYP) and Main Line–Philadelphia to Washington (PW), all Amtrak trains must be equipped with operative on-board ACSES apparatus. Trains must not be dispatched from their initial terminal with failed on-board ACSES data radio apparatus.

1. MARC HHP-8 Locomotives: When used to haul Amtrak trains, the ACSES apparatus on MARC HHP-8 locomotives must be cut in and operative.

2. Exempt Amtrak Engines: On the PW & NYP Lines, the following Amtrak engines are exempt from the above ACSES requirements: Model P-42BH engine Nos. 1–100 & 112–207; Model P32 engine Nos. 512, 513 & 514; Model SW1001 engine No. 569; Model GP38 engine No. 724; Model P-40BH engine Nos. 800–823, 825–836 & 838–841.

581-S1. ACSES DEPARTURE TEST: MAP 100

When taking charge of an ACSES equipped engine destined for ACSES territory, engine service employees must examine the MAP 100 form to determine that the on-board ACSES apparatus has been tested within the prescribed period. If necessary, the Engineer will perform a self-test, then note the time and date of the test, and his signature, on the locomotive inspection form. Engineers must promptly advise the Dispatcher whenever it is necessary for them to perform an ACSES test, and the result of the test.

581-S2. ACSES TRAIN TYPE SELECTOR SWITCH

When taking charge of a train that is destined for ACSES territory, the Engineer must ensure that the ACSES train type setting on the controlling engine corresponds with the train's consist, as specified in Special Instruction 37-P1, 37-N1, or 37-B1. The ACSES train type that is active is indicated by a flashing light next to the train type letter (B, C, D or E) on the ACSES train type selection panel, not by the position of the train type selector knob.

If the active train type does not conform to the train's consist, the Engineer must change it by moving the train type selector knob to the correct position, and then initiating an ACSES self test. When the self test has completed, the Engineer must check the ACSES train type selection panel to ensure that the correct train type has been activated, then note the time and date of the test, and his signature, on the locomotive inspection form. The same process must be followed if the train's consist is changed enroute, resulting in the train qualifying for a different train type.

Train Consist Notes:

(1) High Speed Trainsets (HST's): The above requirements do not apply to HST's, which are automatically set to Train Type "A" or "B" depending on whether the tilt system is active ("A") or disabled ("B").

581-S2. (Cont'd)

(2) Commuter Agency or Freight Carrier Engines: The above requirements do not apply to commuter agency or freight carrier engines that do not have a train type selector switch. These units are set internally to Train Type “C” or “E”, respectively.

(3) MARC III Control/Coach Cars are Train Type “B” between Washington and New York (PW & NYP Lines), but are Train Type “C” between New Haven and Boston (NHB Line). Trains with this equipment in consist that will be operating through New York must change the active train type while stopped in New Haven or New York, so that it will conform to the territory to which they are destined.

581-S3. ACSES ACTIVATION IN NON-ACSES TERRITORY

If ACSES displays anything other than the Missing Transponder Symbol in territory where ACSES is not in effect, or if it should become necessary to reset the locomotive after entering such territory, the ACSES Electric Cut Out Switch located on the side of the ACSES equipment box must be placed in the “OUT” position. Once ACSES has been electrically cut out in this manner, HST’s and HHP-8’s will display “ACSES Cut Out” in the alarm box of the MFD1 screen. On other ACSES equipped engines, the red “Track Speed Cut Out” light will illuminate. Prior to entering ACSES equipped territory, ACSES must be cut back in without delay to the train. Re-testing the on-board ACSES apparatus is **not** required when the system is cut out and cut in electrically, as described above.

582-S1. ACSES DISPLAY AND ENFORCEMENT OF TRACK SPEEDS

In the application of ACSES Rule 582, the track speed indicator on certain engines may be capped at the maximum speed of the engine, or a speed 5 MPH above the maximum authorized speed of the engine.

582-S2. ACSES TEMPORARY TRANSPONDER PLACEMENT

Temporary transponders used to enforce temporary speed restrictions are placed at approximately the same locations as temporary speed signs. Before placing or removing temporary transponders on an in-service track, Engineering Department employees must contact the Dispatcher to determine the established direction of traffic on the track segment involved, and to obtain a hold against movements in the opposite direction. Temporary transponders must then be placed in sequential order, starting with the transponder set that would be the last one encountered by trains operating in the established direction of traffic. Temporary transponders must be removed in sequential order, starting with the transponder set that would be the first one encountered by trains operating with the established direction of traffic.

Before providing established direction of traffic information and assurance of a hold in the opposite direction, the Dispatcher must apply blocking devices to prevent the operation of trains in the opposite direction. These blocking devices must remain applied until notified that all temporary transponders are in place. If foul time is requested because of inadequate watchman/lookout protection, a hold must be placed on approaching trains in either direction.

584-S1. FAILURE OF ACSES ON-BOARD APPARATUS TO RELEASE TEMPORARY SPEED RESTRICTION

If the on-board ACSES apparatus fails to release a temporary speed restriction after passing the Approach Speed Limit Sign for trains approaching the restriction in the opposite direction, the Engineer must reset the ACSES system by stopping the train, placing the automatic brake valve in “Suppression”, opening the ACSES circuit breaker **for 30 seconds**, and then closing the circuit breaker. If opening the circuit breaker fails to clear the restriction, the on-board ACSES apparatus must be cut out, and Rule 584 will apply.

586-S1. BACK-UP MOVES IN ACSES TERRITORY

When a train is backing up or pushing cars in ACSES territory, ACSES may not enforce a positive stop at interlocking or controlled point signals.

INTERLOCKING RULES

600-S1. INTERLOCKING RULES

Where Interlocking Rules are in effect between the interlockings and it is necessary to issue verbal permission to pass a signal in stop position for movement between these interlockings, the Operator or Dispatcher must confer with the Operator or Dispatcher who controls opposing movements to insure that opposing signals are in stop position.

601-S1. LOCAL CONTROL OF INTERLOCKINGS BY C&S EMPLOYEES

a. General Requirements

C&S employees may take local control of an interlocking to assist the Dispatcher when remote control is lost, or to expedite switch, signal or track circuit testing. C&S employees who take local control must be qualified on the operating rules and the operation of the local control panel (i.e., operation of switch controls, signal controls, and blocking devices). They must be qualified on the physical characteristics of the interlocking if they will be providing exclusive track occupancy protection for employees working within interlocking limits.

C&S employees must obtain permission from the Dispatcher before taking local control, and must follow the Dispatcher's instructions while the interlocking is in local control. Permission to take local control must not be given when a track within interlocking limits is out of service by Form D line 4, except **(1)** in an emergency, **(2)** when necessary to route a train to, from or around an out of service track on which a track circuit has been de-energized, or **(3)** when necessary to perform C&S tests on a movable bridge. C&S employees who take local control when a track within interlocking limits is out of service by Form D line 4, must receive permission from the person in charge of the out-of-service track before operating any interlocking appliance on that track.

b. Job Briefing

Before permission to take local control is given or received, the C&S employee and the Dispatcher must have a job briefing to discuss:

1. The identification and reason for any blocking devices applied by the Dispatcher.
2. The nature of any C&S tests or inspections to be performed, and the effect that the work will have on the Dispatcher's model board indications.

c. Blocking Devices Applied or Ordered Applied by the Dispatcher

Dispatcher instructions regarding the application or removal of blocking devices must be correctly repeated by the C&S employee receiving them, before being acted upon. C&S employees must obtain permission from the Dispatcher before removing any blocking devices applied by, or ordered applied by, the Dispatcher. C&S employees must keep a written record of these blocking devices to ensure compliance. The record must include the identification of each blocking device, the time it was applied, and the time the Dispatcher authorized its removal. Once control of the interlocking is returned to the Dispatcher, the C&S employee must draw an "X" through the blocking device record, then retain the record for 7 days.

d. Displaying Signals for Train Movements

The C&S employee must not display a signal for a train movement unless authorized by the Dispatcher, and the two employees have discussed the position of all switches involved in the route.

e. Permission by Stop Signals

While an interlocking is in local control, Dispatchers must not issue Rule 241 permission for a train to pass a Stop Signal until they have contacted the C&S employee in control of the interlocking to confirm the position of all switches involved in the route, and to advise the C&S employee of the move to be made.

f. Roadway Worker Protection

In the application of Amtrak and Federal Roadway Worker Protection rules, a C&S employee who has local control of an interlocking may, with permission of the Dispatcher, use opposing Stop Signals to establish exclusive track occupancy

601-S1. (Cont'd)

protection for employees working within interlocking limits. In such a case, the C&S employee must not display any signal, or give control of the interlocking back to the Dispatcher, until all employees authorized to foul the track have cleared the affected track(s), or the employees have established alternate protection.

The C&S employee must not authorize any work that involves on-track equipment or will disturb the track or catenary structure so that it would be unsafe for Normal Speed.

NOTE: When protection between interlockings is required, Foul Time must be obtained from the Dispatcher in the usual manner. Before granting Foul Time, the Dispatcher must order the C&S employee who has local control of any affected interlockings to apply blocking devices to the affected controls.

605-S1. SEPTA RAIL CLEANING CARS

Septa Rail Cleaning Cars RC-1 and RC-2 are converted rail grinding cars that have been equipped with wire brushes to scrape leaf residue off the rail. They may be pushed or pulled by an engine over the NEC, subject to the following restrictions:

- (1) They may be operated at speeds up to 25 MPH, not exceeding the maximum speeds for freight trains.
- (2) They must not be coupled to other types of equipment, other than the engine that is pushing or pulling them.
- (3) While operating within interlocking limits, they must receive following movement and route protection in accordance with Rule 605, "Movements That Might Not Shunt."
- (4) While operating in ABS territory, they must receive following movement protection in accordance with Rule 506, "Trains that Might Not Shunt."

RADIOS, TELEPHONES, AND ELECTRONIC DEVICES

701-S1. COMMUNICATION REQUIREMENTS FOR TRAINS

Trains must not be dispatched from their initial terminal without a working locomotive radio on the leading end of the controlling engine. Trains must also be equipped with a backup means for communicating with the Dispatcher. The backup means shall be a second locomotive radio or a portable radio capable of reaching the Dispatcher.

Employees must test each required means of communication as soon as practicable, prior to the commencement of their work assignment. If the device fails to function as intended, the Dispatcher must be notified as soon as practicable.

If the locomotive radio on the controlling engine fails en route, a portable radio must be placed on the controlling engine at the next location where portable radios are available. If a required backup means of communication fails en route, the device must be repaired or replaced at the next location where it is possible to do so.

For the purpose of this instruction, an initial terminal is defined as the location where the locomotive receives its calendar day inspection, and any subsequent turning point where mechanical forces are on duty who can repair or replace a defective locomotive radio. If it is not possible to repair or replace a defective locomotive radio at a turning point without undue delay to the train, the train may be dispatched from the turning point with a portable radio on the head end, and a crew member stationed at a working locomotive radio at another location in the train.

701-S2. RADIO COMMUNICATION WITH ENGINEERS

Employees should avoid using Engineers to relay or provide routine, non-emergency information that does not directly affect the train's movement. Whenever possible, such communication must be made directly with the other parties involved. For example, a Conductor needing a wheel chair at an upcoming station should use his or her railroad-supplied cell phone or radio to communicate directly with Customer Services personnel, and a Dispatcher needing information on a train delay should obtain the information directly from the Conductor.

706-S1. DISPATCHER RADIO CHANNEL TERRITORIES

All Dispatcher offices are equipped with road radios, channel 054-054. **Exceptions:**
Boston—Westbound and southbound trains must change to radio channel 029-029 at Division Post (MP 72.9). Radio Channel 092-092 in service on the Dorchester Branch and all Old Colony lines. Trains must switch to channel 092-092 when operating between Hill and Fort Point Channel UG Bridge, MP 227.9.

New York—PSCC also equipped with LIRR channel 2. Dispatchers Office and Terminal Operations Center also equipped with road radio channel 060-060.

Philadelphia—Section C Dispatcher also equipped with road radio channel 035-035.

706-S2. NARROW BAND RADIO CHANNELS

All Amtrak radios must be operated only on narrow band channels, displaying a "0" before the channel number i.e., 023-023, 054-054, or NEC RD 054.

Exception: Narrowband compliant Locomotive, Power Car, Cab Car, and NPCU radios are indicated by a serial number on the face of the radio containing the letter 'D', and may display two digit channel numbers.

714-S1. TELEPHONE NUMBERS—DISPATCHERS, OPERATORS, ETC.

Dispatcher/Operator	Exchange	ATS	Commercial
NHB, DB, MRS, & MM LINES			
Chief Dspr	Boston	580-7569, 7570	617-345-7569, 7570
Form D inquiry only	Boston	580-7585	617-345-7585
Terminal TD	Boston	580-7565	617-345-7565
Corridor TD	Boston	580-7561	617-345-7561
Main Line TD	Boston	580-7562	617-345-7562
New London TD	Boston	580-7567	617-345-7567
South County TD	Boston	580-7580	617-345-7580
Dorchester TD	Boston	580-7492	617-345-7492
Shore Line TD	Boston	580-7568	617-345-7568
Springfield Line TD	Boston	580-7574	617-345-7574
Power Director	Boston	580-7714	617-345-7714
Conn	New London	568-5622	860-510-5622
Mystic River	New London	566-3908	860-446-3908
Nan	New London	568-5628	860-510-5628
NYS, HUD, PRB, NGB, NYT & NYP LINES			
Chief Dspr	Penn Sta.	521-7467	212-630-7467
Power Director - Zone 1 (Shell to Bergen)	Penn Sta.	521-7684	212-630-7684
Power Director - Zone 2 & 3 (Bergen to MP 76)	Penn Sta.	521-7680	212-630-7680
	Penn Sta.	521-7682	212-630-7682
Power Supvr (MNR Dspr)	G. C. T.	...	212-340-2100

714-S1. (Cont'd)			
Dispatcher/Operator	Exchange	ATS	Commercial
NYS, HUD, PRB, NGB, NYT & NYP LINES (Cont'd)			
Penn Station Central Control	Penn Sta.	521-6308	212-630-6308
.....	Penn Sta.	521-6309	212-630-6309
.....	Penn Sta.	521-6286	212-630-6286
Terminal Oprs Cntr	Penn Sta.	521-6466	212-630-6466
Dspr. Sec. A	Penn Sta.	521-7472	212-630-7472
Dspr. Sec. B	Penn Sta.	521-7471	212-630-7471
CETC-9 TD	Penn Sta.	521-6881	212-630-6881
CETC-8 TD	Penn Sta.	521-6409	212-630-6409
CETC-7 TD	Penn Sta.	521-6408	212-630-6408
Hudson Line TD	Penn Sta.	521-7370	212-630-7370
LAB	Albany	.....	518-465-0746
Pelham Bay	Penn Sta.	521-7193	212-630-7193
Q	Penn Sta.	521-7763	212-630-7763
R	Penn Sta.	521-7349	212-630-7349
Dock	Newark	525-2377	973-596-2377
Union	Newark	525-2382	973-596-2382
WT, PW, NYP, 36SC & PH LINES			
Chief Dspr	Phila.	728-2417	215-349-2417
Asst Chief H	Phila.	728-2226	215-349-2226
.....	Phila.	728-2227	215-349-2227
Dspr. Sec. B	Phila.	728-2230	215-349-2230
Dspr. Sec. C	Phila.	728-2231	215-349-2231
Asst Chief I	Phila.	728-2251	215-349-2251
.....	Phila.	728-2252	215-349-2252
CETC-1 TD	Phila.	728-2263	215-349-2263
CETC-2 TD	Phila.	728-2264	215-349-2264
CETC-3 TD	Phila.	728-2265	215-349-2265
CETC-4 TD	Phila.	728-2266	215-349-2266
CETC-5 TD	Phila.	728-2233	215-349-2233
CETC-6 TD	Phila.	728-2232	215-349-2232
Power Director - Zone 4 (MP 76 [Holmes]- Glenolden) (Zoo-MP 21.3 [Paoli])	Phila.	728-2276	215-349-2276
Power Director - Zone 5 (Glenolden-Gunpow)	Phila.	728-2277	215-349-2277
Power Director - Zone 6 (Gunpow to Washington Terminal)	Phila.	728-2257	215-349-2257
Power Director - Zones 8 & 9 (MP 21.3[Paoli]- Harrisburg)	Phila.	728-1038	215-349-1038
.....	Phila.	728-1048	215-349-1048
DAC Clerk	Phila.	728-2234	215-349-2234
Psgr. Clerk-North	Phila.	728-2235	215-349-2235
Psgr. Clerk-South	Phila.	728-2394	215-349-2394
Overbrook	Phila.	728-2335	215-349-2335
Paoli	Phila.	728-2336	215-349-2336

714-S1. (Cont'd)

Dispatcher/Operator	Exchange	ATS	Commercial
WT, PW, NYP, 36SC & PH LINES (Cont'd)			
State	Hrbg.	724-3336	717-232-3336
Thorn	Lanc.	738-5043	717-291-5043
.....	Phila.	728-3237	215-349-3237
Zoo	Phila.	728-2340	215-349-2340
Control Center	Wash.	777-2301	202-906-2301
Toll Free .....	.....	.....	800-372-9700
Crew Dspr.	Wash.	777-2319	202-906-2319
Toll Free .....	.....	.....	800-372-9600
K Tower	Wash.	777-2323	202-906-2323
Yardmaster	Wash.	777-2328	202-906-2328

714-S2. TELEPHONE NUMBERS-AMTRAK POLICE

LOCATION	TELEPHONE NUMBER
BOSTON — NEW HAVEN	
1 Frontage Road, Boston, MA	617-345-7801 ATS:580-7801
Union Station, Providence, RI	401-727-7373 ATS:575-7373
Union Station, 50 Union Avenue, New Haven, CT	203-773-6000 ATS:561-6000
NEW YORK — TRENTON	
Penna. Station, New York, NY	212-630-7112 ATS:521-7112
Newark Station, Newark, NJ	201-596-2344 ATS:525-2344
Trenton Psgr. Station, Trenton, NJ	609-989-1773 ATS:742-1773
PHILADELPHIA — WASHINGTON	
30th St. Station, Phila. PA	215-349-3333 ATS:728-3333
Harrisburg Sta., Harrisburg, PA	717-232-3333 ATS:724-3333
Wilmington Shops, Wilmington, DE	302-429-6511 ATS:739-6511
Baltimore Sta., Baltimore, MD	410-291-4230 ATS:729-4230
Washington, D.C.	202-906-3263 ATS:777-3263
ALL LOCATIONS: 1-800-331-0008	

714-S3. TELEPHONE NUMBERS-CREW DISPATCHERS

Crew Base	Type of Call	Telephone Number
All	T&E Employee Payroll Hotline	888-818-2024
All	Assignments Department	877-850-2260
All	To call crew dispatcher from a non-Amtrak location	800-828-2739
Boston Springfield New Haven	Train and Engine employees in road passenger service reporting to duty with crew dispatcher at sign up location.	8-734-2131
New York	Train and Engine employees in road passenger service reporting to duty with crew dispatcher at sign up location.	Zone 1: 8-734-2131
		Zone 2: 8-734-2132
Philadelphia and Harrisburg	Train and Engine employees in road passenger service reporting to duty with crew dispatcher at sign up location	8-734-2133
Washington	Train and Engine employees in road passenger service reporting to duty with crew dispatcher at sign-up location.	8-734-2134
NOTE 1: Calls on 800-828-2739 made from touch tone phones will receive a "prompt" requesting that the caller press the 4 digit number of the dispatching desk he wants to contact, i.e. Desk 1-2131, Desk 2-2132, Desk 3-2133, Desk 4-2134. Calls made from rotary or non-touch tone phones will go to a default line and be answered by the next available crew dispatcher. NOTE 2: Recorders in service at Wilmington CNOC Central Crew Dispatcher's headquarters. All incoming and outgoing calls will be recorded.		

716-S1. USE OF PERSONAL ELECTRONIC DEVICES: RESTRICTIONS

In the application of Rule 716, a personal electronic device must not be used when a railroad radio or a railroad-supplied electronic device is available.

716-S2. USE OF TELEPHONES FOR EMPLOYEES INVOLVED IN MAIN TRACK AUTHORITIES AND MANDATORY DIRECTIVES

Telephones must **not** be used in lieu of radio communication to obtain or release main track authorities or to copy mandatory directives. Where radio communication is not possible, a telephone may be used to obtain or release main track authorities or to copy mandatory directives.

- a. Before using a telephone to obtain or release a main track authority or copy a mandatory directive, all crew members must participate in a job briefing and agree that it is safe to do so.
- b. Immediately after **obtaining** main track authorities or copying a mandatory directive, all crew members must again participate in a job briefing to properly disseminate information from that communication.
- c. Before **reporting clear or releasing** a main track authority, all crew members must participate in a job briefing to ascertain and agree on the exact location that their entire train has passed, and that it has cleared the affected limits (DTC Block, Track Warrant, Track Permit, etc.).

716-S3. USE OF ELECTRONIC DEVICES OR RAILROAD RADIOS WHILE OPERATING A COMPANY HIGHWAY VEHICLE

An electronic Device or Railroad Radio must not be used while operating company owned or leased vehicles, or personal vehicles for which the employee will be compensated for mileage costs.

- These devices must not be used to perform any function unless the vehicle is safely stopped.
- These devices must not be used while refueling railroad machinery/equipment/highway vehicle.

716-S4. PERSONAL EMERGENCY COMMUNICATIONS

When required to perform service, using a railroad-supplied device to receive a call, text or other message for other than for an "authorized business purpose" is considered to be use of a personal device, and is therefore prohibited.

To be contacted in the event of a personal emergency:

- T&E employees should instruct family members or emergency contacts to call CMS at 800-424-0217, Option 8.
- Non-T&E employees should provide family members or emergency contacts with the contact number for their appropriate supervisor.

716-S5. eTICKETING MOBILE DEVICE (eMD) - AUTHORIZED BUSINESS PURPOSES

Subject to the "Restrictions" contained in Rule 716, outlined below are the authorized business purposes of the railroad-supplied "eTicketing Mobile Device" (eMD) issued to Conductors and Assistant Conductors. Employees are prohibited from using an eMD for any purpose if that use would interfere with any employee's performance of safety related or customer service related duties.

The use of the eMD must be discussed during the crew's initial job briefing.

a) Revenue & Passenger Service Related Functions: eLift

- (1) Checking passenger on / off / on-board counts, including passenger details.
- (2) Scanning travel document barcodes (paper or electronic).
- (3) Using the magnetic stripe reader to log into the device and to record employee flash passes.
- (4) Searching for passenger tickets.
- (5) Editing a passenger's ticketed destination.
- (6) Recording tickets as lifted electronically, and deleting ticket lifts that were recorded in error.
- (7) Adding passengers without electronic tickets to the manifest.
- (8) Reviewing on-board fares.
- (9) Performing passenger ID check functions.
- (10) Reviewing Sleeping Car accommodation diagrams and room occupancy data.
- (11) Using "Rescue Train" feature to download additional tickets.
- (12) Editing application settings, or using added functions authorized by Technical Advisory.

b) Revenue Calculations

The Calculator function may be used to perform basic arithmetic calculations, such as preparing on-board sales totals for remittance.

c) Mechanical Defect Troubleshooting & Reporting: eMap21a

Recording and reporting equipment issues that do not impede safe operations, but are required to maintain on-board service features (restroom cleanliness, seat fixtures etc.).

716-S5. (Cont'd)

d) Delay Reporting

As outlined below, the eMD may be used for Electronic Delay Reporting (eDR), but only when this use will not interfere with any employee's safety related duties. Employees must be prepared to submit paper delay reports when required by system operating conditions or other instructions.

- (1) Establishing identity of employee responsible for reporting delays between specific reporting points, and denoting if initial terminal is not the scheduled initial terminal.
- (2) Entering actual arrival and departure times for reporting points as required.
- (3) Accounting for all lost time accrued during period of responsibility, providing appropriate delay reason codes and supporting information.

e) Voice and Text Communications

- (1) The voice and text functions of the eMD may only be used if such use will not interfere with any employee's performance of safety related duties.
- (2) Employees may use the eMD for voice communications only when radio communication has failed and such communications are directly related to the operation of their train or an emergency situation.
- (3) Employees may use the eMD for receiving text communications only when such communications are directly related to the operation of the railroad. Employees are prohibited from using the eMD to send text messages.
- (4) Employees should not interrupt the performance of customer service related duties to read text messages.

f) Time & Date Functions

- (1) Employees are required to carry a watch, set its time and use it as required by NORAC Rule 3, Correct Time.
- (2) Employees must not use the time date displayed on their eMD for railroad timekeeping purposes.
- (3) Future dates and days of the week may be determined using the Calendar function.

g) Device Software Updates & Troubleshooting: MobileIron

- (1) Installation of updates to authorized applications and configuration profiles.
- (2) Checking cellular connectivity speed.
- (3) Checking other device functionality when directed to do so by eMD Support Desk personnel.

h) Device Charging

The eMD device may be charged while on board using a company-issued cable and A/C power adapter. The eMD must not be left unattended while charging.

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TRACK CAR RULES

803-S1. OPERATION OF SPECIALIZED MW EQUIPMENT

1. Operation Under Train Rules

The following specialized MW equipment is designed to reliably shunt track circuits. When the driver of this equipment is qualified on the operating rules **and** physical characteristics that apply to freight trains, and is accompanied by a second employee who is qualified on operating rules (see Rule 94), the equipment may run under the operating rules that apply to freight trains, instead of the operating rules that apply to track cars.

If the driver lacks either of these qualifications, or is not accompanied by a second employee qualified on operating rules, the Dispatcher must be notified and the equipment operated under track car rules. This equipment must also operate under track car rules when operating on tracks where DCS Rules are in effect.

Whenever the specialized MW equipment listed below is run under the operating rules that apply to freight trains, the employee at the controls must communicate the following information via the road radio channel, for each wayside signal encountered: name of signal aspect, track number, location, and direction of movement.

- a. **MDZ:** A track geometry unit composed of 3 pieces coupled together — the 09-32 or 09-16 cat tamper, high capacity ballast regulator, and dynamic track stabilizer. All 3 pieces must be coupled together to assure a positive shunt. If not coupled together, the Dispatcher must be notified and the equipment operated under track car rules.
- b. **08-Unimat Switch Tamper**
- c. **09-4S Combo Tamper**
- d. **BMS:** A high capacity ballast regulating and distributing machine. The BMS is designed to shunt with or without its conveyor or transfer car.
- e. **MTW-100:** An electric traction inspection and repair unit. If the MTW-100 is coupled to its single-axle trailer car, the Dispatcher must be notified and the equipment operated under track car rules.
- f. **MPMV:** The Multi-Purpose Maintenance Vehicle is composed of 2 pieces coupled together – a main power unit & the trailing control unit. If not coupled together (or operated with ballast car coupled between power unit & control unit), the Dispatcher must be notified and the equipment operated under track car rules.
- g. **MMU-1000:** The Mobile Maintenance Machine is composed of three cars coupled together - a main power unit, material car and a working car. All three pieces must be coupled together to assure a positive shunt. If not coupled together, the Dispatcher must be notified and the equipment operated under track car rules.

2. Maximum Speed of Equipment

The maximum speed for the equipment specified in part “1” of this instruction is 50 MPH not exceeding freight train speeds when operating under train rules, and 30 MPH not exceeding freight train speeds when operating under track car rules.

On the NHB Line, specialized MW equipment that is operating under the rules that apply to trains, must not exceed 30 MPH in ACSES territory, unless the MW equipment has operative on-board ACSES equipment.

3. Performing Maintenance

Where maintenance is performed by the equipment specified in part “1” of this instruction, a Form D must be issued in accordance with Rule 133. When operating under the direction of the Foreman in charge of the out-of-service track, the equipment may test over its own work area not exceeding 30 MPH, prepared to stop within one half the range of vision.

4. Operation in Cab Signal System (CSS) Territory

When the equipment specified in part “1” of this instruction is operating without a Form D on an in-service track in CSS territory, it must not pass a signal displaying Stop and Proceed or Restricting unless authorized by the Dispatcher. The Dispatcher must not authorize this equipment to pass a Stop and Proceed, Restricting, or Stop Signal until he has determined that the block is not occupied. EXCEPTION: The Dispatcher may authorize movement into an occupied block in an emergency, or when the

803-S1. (Cont'd)

equipment will enter a block occupied by stored equipment.

Because of potential cab signal code leakage through the equipment, SI 561-S1 (page 321) will apply when a Unimat Switch Tamper, 09-4S Combo Tamper or MTW-100 is operating as a single unit, the BMS is operating without its conveyor or transfer car, or the MPMV is operating as a train with its power unit and control unit coupled. Before operating in CSS territory, the driver must advise the Dispatcher or Operator of the equipment consist, and remind the Dispatcher or Operator that SI 561-S1 applies.

Before operating in Rule 562 territory, where cab signals are used without fixed automatic block signals, the equipment specified in part "1" of this instruction must receive a signal displaying Rule 280a, Clear to Next Interlocking. If entering from a location where this signal cannot be displayed, the equipment must be operated under track car rules.

5. Identification of Equipment

When identifying the equipment specified in part "1" of this instruction by radio, telephone or Form D, employees must include the number of the leading piece of equipment.

803-S2. TRACK CAR AUTHORITY TO PASS STOP SIGNAL

Permission to pass a Stop Signal must not be issued to a track car via Form D Line 3 at either the initial or final interlocking listed on the Form D Line 2, or at any moveable bridge. Verbal permission (Rule 241) of the Dispatcher (or Operator when authorized by the Dispatcher) must be given at the aforementioned locations.

Note: This instruction also governs "additional Line 2" authorities.

813-S1. MOVEMENT OF MULTIPLE TRACK CARS

The first paragraph of Rule 813 is revised as follows:

Multiple track cars operating on the same Form D line 2 authority must regulate their speed to permit stopping *within one-half the range of vision* short of equipment ahead.

814-S1. DISPLAYING LIGHTS

Contractor equipment that includes an illuminated lighting tower may extinguish the headlights and leave just the running lights on when stationary and working on-track. This Special Instruction does not supersede the requirement of having the headlight on high beam when moving on any track.

815-S1. RAIL GRINDING UNIT

The Rail Grinding Unit track car is authorized to operate at 50 MPH, not exceeding the maximum speed for freight trains.

815-S2. CATENARY MAINTENANCE CAR

The MTW-100 (catenary maintenance car) may operate at 30 MPH when it is pulling its single-axle trailer car.

815-S3. TRACK STRUCTURE ASSESSMENT VEHICLE, AUTOMATED TRACK INSPECTION VEHICLE, NJT TRACK GEOMETRY INSPECTION VEHICLE

The Track Structure Assessment Vehicle (TSAV, Amtrak A68402) and Automated Track Inspection Vehicle (ATIV, Amtrak A68335) are track geometry cars that may perform testing under Form D Lines 2 and 3 authority, in accordance with Track Car Rules 800 through 816.

Amtrak TSAV A68402 may operate governed by Train Type "C" speeds, not exceeding 50 MPH.

Unless otherwise restricted, TSAV & ATIV may operate not exceeding 20 MPH when diverting through switches and passing standing trains on adjacent tracks. TSAV & ATIV are not required to stop when being passed by trains on adjacent tracks.

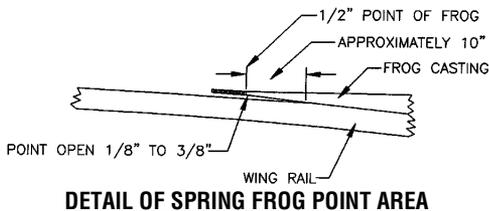
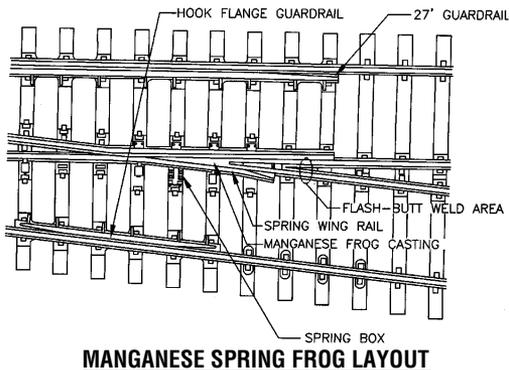
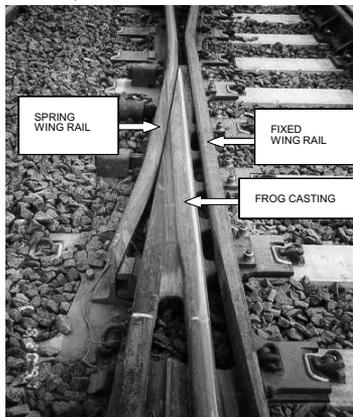
If operating under Form D Line 4, under the direction of Foreman in charge of out-of-service track, TSAV & ATIV may test not exceeding 30 MPH, prepared to stop within one half the range of vision (see SI 133-S1, pg 309).

Note: New Jersey Transit's Track Geometry Inspection Vehicle (NJT-TGIV) may operate on Amtrak property in the same manner as TSAV, except that it must not exceed the maximum freight train speed.

815-S4. SPRING FROGS

Many main track hand operated and interlocked switches are equipped with spring frogs. Spring frogs contain, among other things, a fixed frog point, a moveable spring wing rail, a rigid wing rail, frog hold-down assemblies, and spring box. The frog makes use of a 27 foot guard rail (on the straight side). The spring frog design provides a continuous bearing surface for the wheel tread as it traverses through the frog point area. The following photograph and diagrams illustrate the various spring frog components.

Switches equipped with spring frogs were installed at these interlockings, when this page was last revised: *NHB Line* - Davisville, Lawn, Mansfield; *NYP Line* - Hudson, Rea, Hunter, Lane, Union, County, Midway, Morris; *PH Line* - Leaman, Cork; *PW Line* - Davis, Prince.



815-S5. BRANDT TRUCK TRACK CARS: MAXIMUM SPEED

Unless otherwise restricted, the following maximum speeds apply to the movement of Brandt Trucks:

- Lite or when pulling equipment..... 20 MPH
- When pushing/shoving equipment..... 10 MPH

900-S1. DISPATCHER

Where the Operating Rules and Special Instructions make reference to Dispatcher such references will apply to the Console Operator at the PSCC.

940-S1. AMTRAK CONDUCTORS AND ASSISTANT CONDUCTORS

During the job briefing, the Conductor must designate himself or another crew member as responsible for door operation. Prior to notifying the Engineer that the train is ready to depart each station, the designated employee must ensure all forward and rearward doors are closed and take position in the remaining open vestibule door to observe the platform. The designated employee must continue to observe from the open door until the train has cleared the platform, taking necessary action to prevent passengers from boarding, exiting or otherwise fouling the moving train.

Exceptions:

- On equipment where it is not possible to move the train if any door is open, the designated employee must *visually* verify from the platform that all forward and rearward doors are closed before closing the local door.
- **HST Exception:** This instruction does not apply to crews of High Speed Trainsets (HST). HST crews are governed by SI 940-A1, page 352.

940-S2. CONDUCTORS AND ASSISTANT CONDUCTORS

As soon as their trains are ready to receive passengers, Conductors will see that their Assistant Conductors and Train Attendants are properly located to render any necessary assistance in loading passengers.

Conductors and Assistant Conductors will, while loading passengers, frequently announce the routes and names of the principal stations at which the train will stop. They will also direct passengers to pass promptly to inside of cars and not allow them to stand on car platforms. They will give careful attention to the handling of passengers and will not give signals to start their train while passengers are getting off or on.

Conductors in charge of trains arriving will remain with their train to supervise the prompt and safe detraining of their passengers.

When trains are being moved under the direction of a Yard Conductor and passengers are on board, Conductor and Assistant Conductors will station themselves properly and render necessary assistance to the Yard Conductor, and will not allow passengers to detrain or entrain until it is known that it is safe to do so.

When leaving their trains, Conductors and Assistant Conductors will remove all equipment such as markers, lamps and flag cases, and deliver all this equipment to designated location. They must see that fuses or other articles are not left on or about cars, station platforms or tracks.

Where the term Assistant Conductor is used in these instructions, it applies also to Trainmen, Flagmen and Baggage-men.

940-S3. WORK, WIRE, AND WRECK TRAIN CONDUCTORS

Conductors of Work, Wire, or Wreck Trains must call the Assistant Chief Train Dispatcher when reporting for duty, and provide the following information: *job symbol, crew names and employee numbers, and on duty time*. At the end of their assignment, they must again call with an *off duty time*.

940-S4. CONDUCTOR CERTIFICATION

Conductors that have received a Conductor Certification Card must have it in their possession while on duty as a Conductor and must be prepared to display the certification card upon request from a representative of the FRA, Railroad Official or State Inspector.

**941-S1. AMTRAK TRAIN & ENGINE CREW RESPONSIBILITY:
and
DEPARTING PASSENGER STATIONS
951-S1.**

Prior to departing a passenger station where a fixed signal governing the train's departure is clearly visible, the Conductor or Assistant Conductor of the trains listed in the table below must verbally communicate permission to proceed, and must include the phrase "on signal indication" in their communication to the Engineer:

Example: "Amtrak Train No. 95, OK to proceed on signal indication, over."

This communication must be made via radio, except the train's intercom or PA system may be used when radio congestion would cause train delay. The Engineer must respond by communicating train identification, signal name, and track number.

Conductors do not need to respond to this transmission:

Example: "Amtrak Train No. 95, Track 8, OK to proceed with a (signal name), out."

Crews of trains listed below must include the phrase "on signal indication" when communicating permission to proceed to their Engineer:	
Trains	Location
Amtrak	Entire NEC
MARC	Washington Terminal
NJT	30 th St. Station, Philadelphia
NJT	NYP & NYT Lines

942-S1. POSITION OF CONDUCTOR ON ENGINE CONSIST

Rule 942 does not apply during switching operations.

950-S1. ENGINEER TRAIN HANDLING CERTIFICATION FORM

Engineers qualifying on the physical characteristics of any portion of the Northeast Corridor will not be considered qualified on the physical characteristics, and must not accept an assignment to operate over the territory involved, until after they have been certified on their train handling proficiency over the territory by a home road supervisor with engine service experience.

After an Engineer qualifies on the physical characteristics of a portion of railroad, an Amtrak Operating Practices Department Representative will complete PART 1 of form NRPC 3290 "AMTRAK PHYSICAL CHARACTERISTICS AND TRAIN HANDLING CERTIFICATION FORM FOR ENGINEERS".

The Operating Practices Department Representative will retain a copy of this form and will also give a copy to the qualifying Engineer. The qualifying Engineer must then present the form to a home railroad supervisor with engine service experience who is qualified on the physical characteristics of the territory involved who MUST RIDE with the qualifying Engineer while he operates over the territory involved within 6 months of the date of qualification.

If the Engineer is unable to have a home railroad supervisor certify him during this period, the Engineer must requalify and obtain a new form. When the supervisor is satisfied with the Engineers train handling proficiency over this territory, he must complete and sign PART 2 of this form, and forward it to the Amtrak Operating Practices Department Representative shown in PART 1.

EXCEPTION: The 6 month requirement will not apply to Engineer Trainees during their OJT phase of training.

954-S1. AIR BRAKE TEST

At points where mechanical forces are employed and on duty, Amtrak Engineers will accept the inspection of the mechanical forces for the air brake test as specified in Rule 2.3 of the AMT-3. Employee making the 2.3 air brake test will complete the Locomotive Initial Air Brake test section on the Locomotive Inspection Form.

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F-A1. FIRE SUPPRESSION SYSTEM ON HST's & HHP-8's

HST's and HHP-8's are equipped with an automatic fire suppression system. In the event of a fire in the central block (engine room), an alarm will sound in the operating cab. A "Fire Detected" indication will appear on the POD screen, and a "Fire Detected" indication will also appear in the alarm section of the MFD-1 screen. On HST's, the specific power car that caused the alarm will be identified. Maximum propulsion speed is then limited to 20 MPH. If no action is taken, automatic fire suppression occurs after 2 minutes (FE-13 chemical discharges into the central block), and power car or locomotive becomes inoperable.

To silence alarm, press F7 or F8 key on MFD-1.

If train is inside a tunnel at the time of alarm, and conditions warrant, "FIRE SUPP INHIBIT" button on leading power car or HHP-8 locomotive should be pressed to inhibit loss of propulsion power, so that train may clear tunnel (see HST note below). This button is located on the rear cab wall switch panel.

After clearing tunnel, if it is ascertained that there is a fire condition, the fire suppression system must be manually activated by pressing "FIRE SUPP ACTIVATION" button on the rear cab wall switch panel. On an HST, this button must be activated on the power car on which the fire condition exists.

HST Note: On HST's, if alarm is triggered by rear power car, the fire suppression system cannot be inhibited from the leading power car, since the "FIRE SUPP INHIBIT" button is not a trainlined function. Main circuit breaker will open on trailing power car if system is not inhibited from that power car.

20-A1. BELL ON HHP-8 ENGINES & HST's

In yards and stations, Engineers on HHP-8 engines and HST's must avoid using the horn activation switch to activate the continuous bell feature, except when the use of the horn is also required. The bell activation switch on this equipment will activate the bell continuously until the switch is pressed again.

21-A1. HST COMMUNICATING SIGNAL APPLIANCE

HST's are not equipped with a communicating signal appliance. Conductors must use proper radio voice communication or hand signals to authorize the Engineer to proceed. (The intercom function of the PA system may be used as a back-up means of communication.)

34-A1. STATION STOP MARKERS FOR ACELA EXPRESS TRAINS

Acela Express (HST) Station Stop Markers are installed in various stations throughout the NEC. The marker is a black sign with a white reflectorized "E." Acela Express trains must stop the front end adjacent to the letter "E." During their job briefings, Conductors and Engineers must discuss train stop locations for stations where "E" signs are not installed, in order to best accommodate passenger boarding and detraining. Currently, "E" signs are in service at the following locations:

Station	Track(s)	Movement Direction(s)	Notes
Baltimore	4, 6, and 7	Northward & Southward	...
Wilmington	2 & 3	Northward & Southward	...
Philadelphia	3, 4, 5 & 6	Northward & Southward	...
Metro Park	1	Eastward	...
New London	1 & 2	Eastward & Westward	1
Providence	1 & 2	Eastward & Westward	...
Route 128	1 & 2	Eastward & Westward	...

Note 1: When first class car is on head end, first "E" must be used. When first class car is on rear, second "E" must be used.

34-A2. NEW LONDON: BRIDGE PLATES FOR HST STOPS

Train crews of HST's making station stop at New London must use bridge plates on high level platform when assisting passengers getting on or off trainsets. After use, bridge plates must be properly stored and secured.

37-A1. ENGINES & EQUIPMENT: MAXIMUM SPEEDS UNLESS OTHERWISE RESTRICTED

HIGH SPEED TRAINSET (HST) CARS	Speed
2000-2039 (power cars), 3200-3219, 3300-3319, 3400-3419, 3500-3559, & Instrumented Car 10003	150
With deflated air springs	90
With over inflated air springs:	
Non-diverting routes	30
Diverting routes	15
HST Power Cars 2000-2039 with shroud raised on:	
Leading Power Car	50
Trailing Power Car	125
HST towed with shroud raised	125
HST operating without either a 3200 or 3400 series car (or the instrumented car 10003) adjacent to each powercar	125
HST Power Cars 2000-2039, Lite	50
HST Power Cars 2000-2039, Multiple Lite	50

41-A1. TILT SYSTEM OPERATION ON HST's

1. Manually Disabling Tilt in Snowy Conditions:

When snowfall which can become packed in HST undercarriage areas accumulates on the right of way, it may become necessary to disable the HST's tilt system to avoid damage to tilt system components. When such conditions are determined to exist, Conductor/Engineer will receive verbal instructions to manually disable the HST tilt system in accordance with this instruction (SI 41-A1, paragraph 1). These instructions will generally be delivered when inquiring about Form D's or other instructions as per SI 165-S1 (page 314), but may also be delivered by the Dispatcher when en route, should conditions require.

- When instructed to manually disable tilt as per this instruction, Engineers must manually disable the HST tilt system on the lead power car by positioning the "Tilting Switch" to the "Disable" position.
- Engineers must note this condition on the MAP-100 as "Tilt disabled per SI 41-A1 para. 1".
- Once tilt has been disabled in accordance with this instruction, it must remain disabled until the train reaches its final terminal.

2. "Tilting Fault" Alarm

In the event of tilt system failure due to a "Tilting Fault" alarm, the following instructions and reduced speeds apply. The Engineer must inform the Conductor and Dispatcher of the tilt system failure as soon as possible, specifying the type of failure, car number and truck ("A" or "B").

- ▶ **"Tilting Fault" Alarm:** Train Type "B" speeds will govern.

Note: Operation at Train Type "B" Speeds: When an HST is required to operate at Train Type "B" speeds as outlined above, its maximum speed is not capped at 125 MPH; The Train Type "B" maximum speeds and speed restrictions that are listed in Special Instructions 37-B1, 37-N1 and 37-P1 will govern. On the NHB and NYP Lines, there are a number of locations where Train Type "B" speeds exceed 125 MPH.

41-A2. SIDE MIRRORS: HST POWER CARS & HHP-8 LOCOMOTIVES

Due to the potential for mirrors to foul the adjacent track, side mirrors on HST power cars and HHP-8 locomotives may be extended only when **(1)** operating on yard tracks at speeds less than 15 MPH, **(2)** standing in a station and mirror is extended only on platform side of train, **(3)** wide track centers exist on the affected side of the train, or **(4)** protection on the adjacent track has been provided by the Dispatcher.

Auto-Retraction Feature: When changing ends or taking charge of equipment (such as when operating into an HST Trainwash facility), crews operating HST's and HHP-8 locomotives must ensure that side mirrors on leading and trailing cabs are manually closed prior to movement. Auto-retraction feature must not be depended upon to close side mirrors.

NOTE: Mirrors must **not** be extended:

- ▶ When in tunnels, unless train is standing.
- ▶ When operating through car washers.

41-A3. HST STATION STOPS; PROPER USE OF HST PORTABLE FOLDING STEPS

Station Stops: HST's must use high level station platforms to receive or discharge passengers. When unforeseen circumstances require that HST's receive or discharge passengers at a location other than a high level platform, HST portable folding steps must be used. These steps are stored on the end cars adjacent to the power cars, in a compartment under the vestibule.

Portable Steps: When HST portable folding steps are deployed, they will foul the adjacent track at most locations. Therefore, whenever necessary to deploy portable steps, the crew must first contact the Dispatcher and obtain a hold on the track to be fouled. If necessary to operate a rescue train on the track fouled by these steps, the Dispatcher must issue the following Form D line 13 to the rescue train: "Approach disabled train located at (disabled train location) on track (track on which disabled train is standing) prepared to stop short of portable steps fouling track (track to be fouled by portable steps)"

47-A1. ELECTRICAL OPERATION AT HSR FACILITIES

1. Entrance Door Catenary Buffer Zone - Prior to entering an HSR Servicing Facility, permission must be obtained from a Supervisor on the ground. Before granting permission for a train with raised pantographs to proceed into the building, Supervisors must ascertain that the entrance door catenary buffer zone on the track to be used is energized. The red and green indicator lights do **not** convey the status of the entrance door catenary buffer zone.

2. Catenary Status Indicator Lights - HSR Servicing Facilities are equipped with red & green lights to indicate status of catenary within the Facility. A red light indicates catenary within the Facility is energized. A green light indicates catenary within the Facility is **not** energized and electric engines with pantograph raised must **not** enter the Facility. If both indicators are dark, an M of E foreman must be contacted to ascertain that catenary is energized before attempting movement into the facility with pantograph raised.

47-A2. HST SINGLE POWER CAR OPERATION

When snow, sleet or mechanical conditions require single power car operation, the Engineer will be directed by the Train Dispatcher to operate with a single power car, with one pantograph raised. When so directed, the Engineer must follow the single power car operation and setup instructions contained in the System General Road Foreman Notices.

72-A1. HST: DEFECTIVE CONDITIONS REQUIRING 125 MPH MAXIMUM SPEED

If any of the following systems are inoperative or bypassed on an HST, the HST must not exceed 125 MPH, and the Dispatcher must be promptly notified:

1. The Integrated Truck Surveillance Unit (ITSU) on any power car or coach, which includes:
 - a. The truck hunting accelerometer sensor on HST power cars and coaches.
 - This apparatus must be in service before the HST leaves its initial terminal, which is noted on the MAP 100 form.
 - If an accelerometer sensor fails en route, HST's in turn around service may continue to the equipment's end point, not exceeding 125 MPH (see SI 72-A5, pg 348).
 - When taking charge of equipment at any terminal other than the original passenger terminal (as noted on MAP 100 & MAP 101), the Engineer must notify the Conductor & Dispatcher of inoperative accelerometer sensor (status displayed on MFD-1 screen) and 125 MPH maximum speed.
 - b. * The on-board hot bearing detection on any power car or coach (see SI 72-A3, pg 345).
2. * The alerter on the leading power car.
3. * Both the POD (Primary Operating Display) and the MFD-1 (Multi-Function Display) screen in the cab of the leading power car.
4. The fire detection system on either power car.
5. The door status display in the cab of the leading power car.

Note: Devices marked with an asterisk (*) must be in service before the HST leaves its original passenger terminal or turnaround location. See Rule 123 for additional instructions on movement with a defective alerter. See Rule 22 for additional instructions on movement with a defective headlight.

72-A2. USE OF TEMPILSTIK

High Speed Trainset coaches and power cars, and HHP-8 engines are equipped with **outboard** journal bearings. When necessary to check an HST coach or power car or HHP-8 engine for an overheated journal bearing, a 219° F or 212° F Tempilstik must be applied to the top of the journal bearing case, where it passes through the truck frame.

72-A3. HIGH SPEED TRAINSET: ON-BOARD HOT BEARING DETECTION SYSTEM

Each High Speed Trainset (HST) power car and coach is equipped with an **Integrated Truck Surveillance Unit (ITSU)**, which is designed to warn the crew if the system detects an overheated journal bearing, or a system fault. The system operates with the following components:

- ▶ Journal bearing temperature sensors that are mounted on each of the car's bearings, and connected by cables to each car's ITSU.
- ▶ Trainline connection to enable the leading HST power car to indicate when a hot bearing or problem with an ITSU is detected.
- ▶ The ITSU control panel that is located near the bottom of electric locker No. 1 in both the HST power cars and coaches.

Hot Journal Alarm: When a temperature sensor detects an abnormal journal bearing temperature (212° F), ITSU triggers a "Hot Journal Alarm."

Bearing Sensor Fault Alarm: When ITSU detects a defect in one of the journal bearing sensors, it triggers a "Brg Sensor Fault Alarm." The specific bearing sensor

72-A3. (Cont'd)

location and vehicle number that triggered the alarm will be displayed in the alarm box of the MFD-1 screen, for example: *"BEARING SENSOR FAULT L1 3319."*

When either of the above alarms is triggered, the appropriate ITSU front panel indicator illuminates, the "Onboard Failure" trainline becomes energized, and the "ONBOARD FAILURE" indicator on the Engineer's overhead switch panel activates. A "HOT BEARING" alarm will appear on the POD (Primary Operating Display). The train's movement is then restricted to 20 MPH.

When the "HOT BEARING" alarm activates, the following actions must be taken:

1. Stop the train as soon as safe handling will permit.
2. The Engineer must determine car and bearing location which caused the "HOT BEARING" alarm by checking the alarm section of MFD-1 (Multifunction Display 1) for specific information regarding car number and bearing location. The Train Crew can also check the MFDB screen in the Crew Café car, by accessing the main page in the alarm section to obtain specific information regarding car number and bearing location.
3. Take the specific actions listed below, based on the alarm type:
 - A. **HOT BEARING ALARM (Flashing Red LED):**
 1. If a "Hot Bearing Alarm" caused the "Onboard Failure" indicator to activate, the crew must determine from the MFD screens or the ITSU panel which car and bearing caused the "Onboard Failure" alarm. A member of the crew must check the suspected overheated bearing with a 212° F or 219° F Tempilstik. The Tempilstik must be applied to the top of the journal bearing case where it passes through the truck frame.
 2. Notify the Dispatcher and the Engineer of the results of any inspections, and record ITSU hot journal bearing alarm (flashing red LED) information using MFDC Maintenance Manual Fault Entry screen (coach) or form MAP 100 (power car).
 3. **If a hot bearing is found**, Dispatcher will provide instructions for transferring passengers and moving train to repair location.
 4. If **no** hot bearing is found, try to reset ITSU by depressing the "SELF TEST" button.
 5. If the hot journal bearing alarm (flashing red LED) remains after the Self Test has completed:
 - a. Press the self test and lamp test buttons simultaneously to bypass the defective sensor. The hot bearing indicator should change from flashing to steady illumination, and the local alarm acknowledgment indicator will be illuminated. If pressing the self test and lamp buttons simultaneously fails to bypass the defective detector, the system must be cut out using the cut out switch on the ITSU panel.
 - b. Proceed not exceeding 80 MPH to the **first** location where mechanical forces are available to inspect car.
 6. If the ITSU hot journal bearing alarm clears (changes to green) after the Self Test is completed, proceed at NORMAL SPEED to the first location where mechanical forces are available to inspect the car.

NOTE: If the same ITSU hot journal bearing alarm (flashing red LED) activates again before reaching the first mechanical inspection location, reduce train speed to not exceeding 80 MPH.
 7. If at the first mechanical inspection location, mechanical forces determine there are no hot bearings, the train must proceed as follows:
 - a. If the ITSU hot journal bearing alarm (flashing red LED) remains, proceed not exceeding 80 MPH to the next mechanical inspection location.
 - b. If the ITSU hot journal bearing alarm (flashing red LED) clears (changes to green), proceed at NORMAL SPEED to the train's final terminal.

NOTE: If the same ITSU hot journal bearing alarm (flashing red LED) activates again after leaving the first mechanical inspection location, reduce train speed to not exceeding 80 MPH.

72-A3. (Cont'd)

- c. If at the **second** mechanical inspection location, mechanical forces determine there are no hot bearings, the train may proceed at NORMAL SPEED to its final terminal, regardless of whether or not the same ITSU hot journal bearing alarm (flashing red LED) remains, or activates again.
8. When an ITSU hot journal bearing alarm occurs before a crew change location, the incoming crew must be advised of any alarm light that remains illuminated, any speed restriction that is in effect, and whether a mechanical inspection is required. If the outgoing crew cannot personally give this information to the incoming crew, they must ask the Dispatcher to relay it.

B. SENSOR FAILURE ALARM (Flashing Yellow LED):

1. If a “**Sensor Failure Alarm**” caused the “Onboard Failure” indicator to activate, determine from the MFD screens or the ITSU panel which car and bearing sensor caused the “Onboard Failure” alarm.
2. **Bypass the defective sensor** by pressing the self test and lamp test buttons simultaneously. The sensor failure indicator should change from flashing to steady illumination, and the local alarm acknowledgment indicator will be illuminated. If pressing the self test and lamp buttons simultaneously fails to bypass the defective detector, the system must be cut out using the cut out switch on the ITSU panel.
3. If the sensor bypass procedure in step 2 above was successful, proceed at NORMAL SPEED to the train’s final terminal.
4. If the sensor bypass procedure in step 2 above was not successful, the system must be cut out using the cut out switch on the ITSU panel. The train must then proceed not exceeding 125 MPH, as prescribed by SI 72-A1.
5. Notify the Dispatcher and the Engineer of the sensor failure alarm (flashing yellow LED), and record it on Form MAP21A (coach), or MAP 100 (power car).

ADDITIONAL ITSU INFORMATION:

ITSU Hot Bearing Indicator Lights:

- **Green** = Normal Operation
- **Flashing Red** = Alarm
- **Flashing Amber** = Sensor Failure
- **Steady Amber** = Sensor Bypassed

Other ITSU System Lights:

- An amber “Alarm Sensor” light indicates sensor failure
- A red “System” light indicates system failure
- The green CIN (Car Internal Network) “Active” and red “Unconfigured” lights indicate the status of the car’s internal network
- The System “Power,” “Ready,” and “Failure” lights indicate ITSU system status
- “Local Alarm Acknowledgment” light indicates if any system sensor has been bypassed

Bypassing Defective Sensor:

To bypass a defective sensor, press simultaneously on the ITSU Self Test and Lamp Test buttons. In case of multiple sensor failures, one activation of the degraded mode bypasses each defective sensor of the affected ITSU subsystem(s).

Cutting Out ITSU:

To cut out the ITSU, use the sealed CUTOFF switch. If the ITSU sealed CUTOFF switch fails, use the ONBOARD TL switch (cab rear wall switch panel) to recover train operation. (See SI 72-A1, page 345 regarding operation with ITSU cut out.)

72-A4. HHP-8 LOCOMOTIVE: ON-BOARD HOT BEARING DETECTION SYSTEM

Each HHP-8 locomotive is equipped with an **Integrated Truck Surveillance Unit (ITSU)**, which is designed to warn the Engineer if the system detects an overheated locomotive journal bearing, or a system fault. (On the HHP-8, ITSU monitors only the locomotive; coaches equipped with on-board hot bearing detection are trainlined to the

72-A4. (Cont'd)

HHP-8's computer alarm screens, but are not connected to ITSU.) The system operates with the following components:

- ▶ Journal bearing temperature sensors that are mounted on each of the locomotive's bearings, and connected by cables to the ITSU.
- ▶ On coaches that are so equipped, journal bearing temperature sensors that are mounted on each of the coach's bearings, and connected by cables to the HHP-8's on-board computer system, and its various display screens.
- ▶ The ITSU control panel that is located in the "R" end equipment room, Engineer's side, near the bottom of electric locker No. 1.

Hot Journal Alarm: When a temperature sensor detects an abnormal locomotive journal bearing temperature (212° F), ITSU triggers a "Hot Journal Alarm."

Bearing Sensor Fault Alarm: When ITSU detects a defect in one of the locomotive journal bearing sensors, it triggers a "Brg Sensor Fault Alarm." The specific bearing location and locomotive number that triggered the alarm will be displayed in the alarm box of the MFD-1 screen, for example: "*HOT JOURNAL L1 651.*"

When either of the above alarms is triggered, the "ONBOARD FAILURE" indicator on the Engineer's overhead switch panel will activate. The train's movement is then restricted to 20 MPH.

If a locomotive bearing triggered the alarm, the appropriate ITSU front panel indicator will illuminate, and a "HOT BEARING" alarm will appear on the POD (Primary Operating Display). The specific bearing location and locomotive number that triggered the alarm will be displayed in the alarm box of the MFD-1 screen, for example: "*HOT JOURNAL L1 651.*"

If a coach bearing triggered the alarm, a "COACH HOT JOURNAL" warning will appear in the alarm box of MFD-1. Engineer must notify Conductor to check coach on-board hot bearing detector panels to determine which coach activated the alarm.

When the "HOT BEARING" or "COACH HOT JOURNAL" alarm activates, the following actions must be taken:

1. Stop the train as soon as safe handling will permit.
2. A member of the crew must check the suspected overheated bearing with a 212° F or 219° F Tempilstik. On locomotive, Tempilstik must be applied to the top of the journal bearing case where it passes through the truck frame.
3. Notify the Dispatcher and the Engineer of the results of any inspections, and record ITSU hot journal bearing alarm (flashing red LED) information on form MAP 100.
4. **If a hot bearing is found**, Dispatcher will provide instructions for transferring passengers and moving train to repair location.

IF NO HOT BEARING IS FOUND:

1. For alarms caused by a **coach bearing**, follow applicable instructions published in AMT-3, Air Brake and Train Handling Rules and Instructions.
2. For alarms caused by **locomotive bearing**, or **locomotive bearing sensor failure**, follow the procedures contained in Special Instruction 72-A3, item **A(4)** on page 346, through item **B(5)** on page 347.

72-A5. TRUCK HUNTING ON HIGH SPEED TRAINSETS AND HHP-8 ENGINES: ITSU OPERATION

High Speed Trainsets (HST) and HHP-8 engines are equipped with an Integrated Truck Surveillance Unit (ITSU) that monitors the equipment for truck hunting.

The truck hunting apparatus must be in operative condition when departing the original passenger terminal, which is noted on the MAP 100 & 101 forms. However, trains that experience an en route failure of the truck hunting apparatus when operating in turnaround service may continue to the equipment's end point not exceeding 125 MPH. When taking charge of equipment at any terminal other than the original passenger terminal (as noted on MAP 100 & MAP 101), the Engineer must notify the Conductor & Dispatcher of inoperative accelerometer sensor (status displayed on MFD-1 screen) and (for HST's) 125 MPH maximum speed.

72-A5. (Cont'd)

When an ITSU truck hunting alarm occurs, the Engineer must:

1. Immediately reduce train speed in 5 MPH increments until the alarm has ceased. Once the alarm has ceased, the Engineer may attempt to resume Normal Speed, unless the alarm continues to sound when a higher speed is attempted.
2. In the event that alarm does not cease upon reduction in train speed, a full stop may succeed in clearing alarm.
3. If the actions in steps 1 & 2 above do not clear the truck hunting alarm, bypass accelerometer sensor by pressing the Self Test and Lamp Test buttons simultaneously. [Refer to section (B) of SI 72-A3, page 347, for additional ITSU information.] Engineer must note on MAP 100 the vehicle and truck on which the ITSU accelerometer sensor has been bypassed.
4. **Once accelerometer sensor has been bypassed, train must not exceed 125 MPH.**
5. Promptly notify the Dispatcher of the:
 - a. Mile Post location where the truck hunting alarm occurred.
 - b. Speed at time of the alarm.
 - c. Time of the alarm.
 - d. Unit on which the alarm occurred. (ITSU system on HST monitors all cars)

AND

- e. Accelerometer sensor bypass status - if bypassed, note 125 MPH maximum speed.

The Dispatcher must report this information to the CNOC Power Desk, so that arrangements can be made to have the equipment inspected.

When an ITSU truck hunting alarm occurs under the conditions described below, the Dispatcher must issue a 30 MPH speed restriction on the affected track at the affected location, until an inspection has been performed by the Track Department:

1. An HST experiences a truck hunting alarm on 3 or more cars of its trainset at a single location.

OR

2. Consecutive HST or HHP-8 locomotive movements experience a truck hunting alarm at the same location (e.g., 2 consecutive HST's, an HST followed by an HHP-8 locomotive, etc.).

100-A1. COUPLING SPEED: HHP-8 ENGINES & HST POWER CARS

A stop must be made just prior to a coupling involving HHP-8 Engines or HST Power Cars. **Coupling speed must not exceed 2 MPH.** These engines and power cars are equipped with high impact energy absorbing, self centering couplers. Coupling at a speed greater than 2.5 MPH will result in the shear ring breaking and damaging the coupler. When this occurs the coupler must not be used until repaired.

116-A1. MOVEMENT OF LITE HST POWER CARS

When an HST power car is operated lite from other than the leading end, crew members must take action to properly control the movement. When switching, movement must be preceded by a crew member, due to the following factors: **(1)** There are no sill steps or end / side handholds on the rear of HST power cars, therefore employees cannot control movement by riding rear of power car. **(2)** Back up hoses are incompatible with the quick disconnect fitting on HST brake pipe, and therefore cannot be used to control movement.

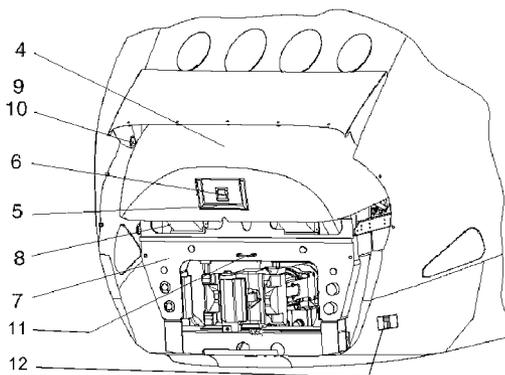
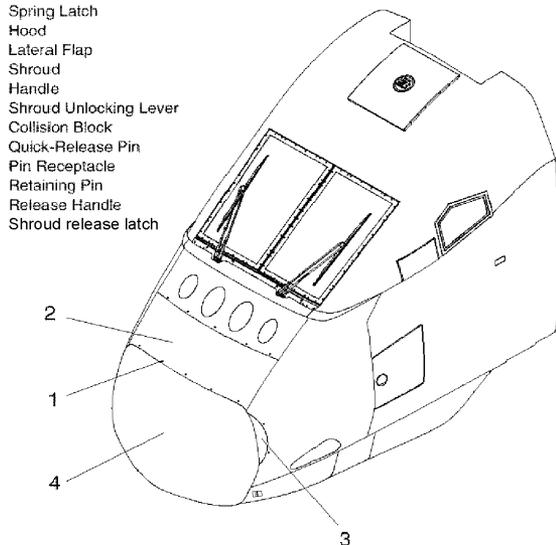
117-A1. OPERATION THROUGH WATER: HST & HHP-8

When authorized by the Dispatcher, HST's and HHP-8 locomotives may operate through water, when water depth is 4 inches or less measured from the top of the rail. Movement must not exceed 2 MPH.

137-A1. HST & HHP-8 BRAKE RELEASE - RESCUE TOWING & EMERGENCY TUNNEL EVACUATION

1. HST's – Should it become necessary to tow a High Speed Trainset (HST), the power car shroud must first be raised to enable access to the coupler. The following steps and accompanying diagrams explain how to raise the power car shroud. Use the diagram key number shown in parentheses () for assistance in locating the various shroud components. Safety glasses and gloves must be worn while performing the following tasks. A long handled allen wrench is stored in the power car emergency supply locker, and must be used to open the power car shroud.

1. Spring Latch
2. Hood
3. Lateral Flap
4. Shroud
5. Handle
6. Shroud Unlocking Lever
7. Collision Block
8. Quick-Release Pin
9. Pin Receptacle
10. Retaining Pin
11. Release Handle
12. Shroud release latch



- Using the long handled allen wrench, loosen the 2 allen fasteners ($\frac{1}{4}$ turn) on each lateral flap (#3) on each side of the train. Push the lateral flaps in until they latch.
- Using the allen wrench, loosen the 5 spring latch allen fasteners (#1) on the hood $\frac{1}{4}$ turn. Since the hood is spring loaded, it may need to be held down until all of the allen fasteners are loosened.
- Release safety latches (#12) on left & right sides.

137-A1. (Cont'd)

- d. When the hood is open, squat down and lift the handle on the shroud (#5). Lift the shroud to its balance point. Reposition yourself. If required, have another crew member assist, and then lift the shroud all the way open. (Shroud has springs on each side.)
- e. Shroud must now be manually locked open with quick release pins on each side (#8). Pins must be inserted in holes provided after being removed from storage position.
- f. Hood must now be manually locked open with retaining pins on each side (#10). Pins must be inserted in holes provided after being removed from storage position.
- g. Prepare brake pipe and main reservoir hoses for coupling. There is a plate under the coupler head that may be removed to improve accessibility to the angle cock and main reservoir cock. Remove hoses from glad hand holders.
- h. The HST is equipped with a self centering coupler that always remains centered and cannot be moved laterally for coupling. Therefore, the rescue engine's coupler must be aligned with the HST coupler. Leaving the knuckle closed on the power car is the best method. However, if necessary, you may open the knuckle on the HST. Remove the coupler assembly from the front of the power car breast plate and insert the coupler assembly in the rotary lock lift. Then lift on the coupler assembly to open the knuckle.
- i. When rescue engine is coupled, speed must not exceed 2 MPH to avoid damaging the coupler shear pins. Ensure rescue engine is stretched. Also ensure that Engineer has cut out the emergency magnet valve (located on the engineer's side of the power car, at the rear) on both power cars, to avoid undesired emergency application in the event of low battery voltage. Couple brake pipe and main reservoir hoses. (Both main reservoir and brake pipe hoses must be coupled, as this will assist in releasing parking brakes.) Open brake pipe angle cock and main reservoir cock. Turn HEP switch to OFF. Check MFD-2 to ensure that HEP output is off. Lower pantographs on HST and move pantograph selectors to OFF on both power cars.
- j. Connect 480 volt cables on right side. Only 2 cables are required. After rescue engine 480 volt output breaker is closed, HEP will be supplied to the train.
CAUTION: HEP must only be provided from 1 source!
- k. When performing the brake test, check the train brake & parking brake status on MFD-2 using the friction brake status screen, in addition to a visual inspection of trailing power car.

IN CASE OF DIFFICULTY IN RELEASING BRAKES:

- l. If brakes cannot be released on one or more trucks due to braking system defect, trucks may be cut out on individual coaches by using the truck cut out cock inside each car, which is located inside the cabinet behind the emergency brake valve. On power cars, the truck cut out cocks are located on the outside wall of the equipment room.
- m. The procedure in the next paragraph should only be used if all other means of moving the HST have failed. Under the conditions outlined below, the HST has no brakes or parking brakes. Therefore, it is imperative that the coupling is stretched prior to brakes being cut out in the manner described.
When a High Speed Trainset experiences an air brake system malfunction which prevents train movement, after helper train or locomotive has been coupled to HST, brakes may be released on the HST cars using the "No Brake" switch on each car. Power Cars must have brakes released manually with truck cutouts inside car body and parking brake cutout on air brake rack. Train can then be checked for brakes released on MFD-2. Train should then proceed not exceeding 10 MPH to a safe location where brakes can be cut back in.

137-A1. (Cont'd)

- n. When the rescue engine is uncoupled the HST Power Car shroud must be lowered and locked in position tightening the allen screws with the allen wrench. If it is not possible to lower the front shroud crew must ensure that locking pins are inserted in the holes provided to prevent movement of hood and shroud. Speed is restricted (see SI 37-S5, page 279) until the shroud is lowered and secured in the down position.
2. **HHP-8 Locomotives** – Should it become necessary to tow an HHP-8 powered train, the following instructions must be observed.
 - a. When coupling to HHP-8, both main reservoir and brake pipe hoses must be coupled. This will assist in releasing parking brake on HHP-8.
 - b. Emergency magnet valve (located on “F” end, Engineer’s side, in equipment room under emergency valve on air brake rack) must be opened, to avoid undesired emergency application in the event of low battery voltage.
 - c. If brakes cannot be released on HHP-8 trucks, trucks may be cut out using the truck cut out cocks located on the outside wall of the equipment room, and parking brake cutout on air brake rack.

940-A1. HST SIDE DOOR OPERATION

1. **Engineer’s “Doors Closed and Locked” Switch** – HST’s are equipped with a sealed “Doors Closed and Locked” switch that is located on the Engineer’s right switch panel. When in the “Normal” position, traction power **cannot** be developed when any HST side door indicates as not being fully closed. Once placed in the “Bypass” position, the HST **can** develop traction power when one or more side doors indicate as not being fully closed. Therefore, the Engineer must not place this switch in the “Bypass” position without permission of the Conductor.

2. **Door Control Station Operation** – During the job briefing, the Conductor must designate himself or another crew member as responsible for door operation. When the Conductor or other designated crew member activates a Door Control Station in order to operate HST side doors, all other Door Control Stations in the train are automatically disabled. The Door Control Station cannot be activated until the train has come to a complete stop. After stopping, the Door Control Station (DCS) can be activated by inserting a coach key into the “DCS” key switch in the lower left hand corner of the Door Control Station panel, and turning the key counterclockwise to the “ON” position. You can determine when the Door Control Station has become active, because the “DCS ACTIVE” indicator light near the top of the panel will illuminate. To deactivate the Door Control Station, the coach key is turned to the vertical “OFF” position and removed.

NOTE: Due to the design of the “DCS” key switch, it is possible to remove your key without actually turning the key switch completely to the “OFF” position. This leaves the Door Control Station in the active mode (“DCS ACTIVE” light illuminated), thereby preventing all other Door Control Stations in the train from functioning. In order to avoid the delay associated with attempting to find a Door Control Station that was accidentally left active, **always** check to be sure the “DCS ACTIVE” indicator light has gone out after removing your key from the “DCS” key switch.

3. Arriving at Stations –

a. **Prior to Arrival:** When practical, Conductor or other crew member designated by the Conductor should try to position themselves at the Door Control Station that will be closest to the main stairway or corridor used by passengers at that station. After train has stopped, Conductor or designated crew member will take control of all side doors by activating his or her Door Control Station (place the “DCS” key switch in “ON” position). No other crew member should operate a Door Control Station unless directed to do so by the Conductor.

b. **Opening Doors:** Conductor or other designated employee must open the Local door first. *Only after the Local door has **completely** opened* can forward and rearward doors be opened by depressing the forward and rearward Open buttons. Since this

940-A1. (Cont'd)

door open process involves a slight delay, crew members may wish to inform their passengers via the P.A. system: "Please wait, the doors will open momentarily."

4. Departing Stations – The following platform observation requirements apply to the HST, in lieu of the procedure in Special Instruction 940-S1:

a. Door Closing Sequence: Forward and rearward doors must be closed first. Forward and rearward Close buttons must be pressed simultaneously, or within ½ second of each other, in order to close both sets of doors simultaneously. If more than ½ second elapses between activation of forward and rearward close buttons, only one set of doors will close, and the other set of doors will not respond to Close button commands until the verbal announcement has completed. After instructions in paragraph "b" below are complied with, Local door can be closed.

b. Checking Doors From Platform: After the crew signals the Conductor that it is OK to proceed, the Conductor will key all forward and rearward doors closed from his or her location, visually verify from the platform that all doors are closed properly, close the Local door, and then signal the Engineer to proceed.

5. Door Malfunction – If a door malfunction prevents traction power from being developed, the Conductor must notify the Engineer to place the "Doors Closed and Locked" switch in the "Bypass" position. If train is moving when Engineer loses "Doors Closed & Locked" indication, Engineer must communicate with Conductor, and crew must inspect indicated door to ensure it is closed before authorizing Engineer to place "Doors Closed and Locked" switch in the "Bypass" position. The Engineer must notify the Dispatcher when the "Doors Closed and Locked" switch is placed in the "Bypass" position, and again when the "Doors Closed and Locked" switch is restored to the "Normal" position.

If the malfunctioning door is not closing, it must be secured in the closed position prior to movement. The train will then use the procedure outlined in paragraph **4(b)** above when departing each station. Once underway, the crew can attempt to clear the door malfunction, or manually secure the door if malfunction cannot be corrected. Status of the malfunctioning door can be verified from the MFD screen in the Café Car crew office. If the malfunction has been cleared, the Engineer must be notified to place the "Doors Closed and Locked" switch in the "Normal" position. If traction power is lost, Engineer must again be notified to place "Doors Closed and Locked" switch in the "Bypass" position, and door problem diagnosed at the next station stop.

If, after closing all doors at the next station stop, the door continues to malfunction (preventing traction power from being developed), crew members must manually secure the door, then use the associated Door Control Station to bypass the door by placing the "DCS" key switch in the "Isolate" (ISOL) position.

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**NATIONAL RAILROAD PASSENGER CORPORATION
NORTHEAST CORRIDOR
GENERAL ORDER NO. 501
Effective 12:01 A.M., Monday, November 5, 2012**

1) Timetable Authority

This General Order contains Northeast Corridor (NEC) Employee Timetable No. 5, which **replaces** NEC Timetable No. 4 in its entirety. Employees must examine each page of their copy of Timetable No. 5 to see that it is complete, and the pages are in proper order. Employees must then review any changes which may affect their duties. This GO contains 3 new sections - The Hudson Line, Post Road Branch, and Niagara Whirlpool Bridge.

Employees must transfer the information contained on the "Employee Physical Characteristics Qualification Record/Employee Physical Examination Record" pages to this Timetable.

This GO also contains a reprint of the "Northeast Corridor Timetable Appendix A" pages (yellow), revised and reissued October 29, 2007, these pages are to be placed at the end of Timetable No. 5.

The following items contain a brief explanation of the changes made in this Employee Timetable, as well as recent physical characteristics changes.

2) Title Page

General Order No. 501 in effect.

3) Train Schedules

General Order No. 501 contains new Schedule Pages 4–76.

Summary of Schedule Changes:

Train 2110 departs Wilmington and Philadelphia – 2" earlier; arrives New York – 1" earlier.

Train 134 does not stop at New Carrollton; departs all stations Baltimore to Wilmington – 3" earlier.

Train 649 arrives Harrisburg – 5" later.

Train 66 arrives Washington – 23" later.

Train 66 departs all stations Washington to Philadelphia – 10" later.

Train 169 departs all stations Boston to New York – 5" earlier.

Train 243 frequency changes from Daily to Mon-Fri.

Train 259 (New) replaces 243 on Sat-Sun, and operates – 30" later.

Train 245 frequency changes from Mon-Thu to Mon-Fri.

Train 261 frequency changes from Fri-Sun to Sat-Sun.

Train 94 departs New Haven – 20" earlier and arrives Boston – 28" earlier.

Train 95 departs Boston – 5" later.

Train 141 departs all stations Springfield to CP 274 – 5" earlier.

Train 193 departs Philadelphia – 7" later.

Train 55 departs Philadelphia – 7" earlier; does not stop at BWI Airport; arrives Washington – 16" earlier.

Empire schedules are now shown in detail between New York and Schenectady.

MAIN LINE—NEW HAVEN TO BOSTON

4) **NAN Interlocking Reconfiguration**

- A. New "NAN" Moveable Bridge in service at MP 116.7 on mainline Tracks 1 and 2, remotely controlled by the Train Dispatcher as indicated in SI 900-B1. The original "NAN" Moveable Bridge is now out-of-service.
- B. Track 2 is realigned south of its former alignment from MP 116.5 to MP 116.9.
- C. A high color-light interlocking home signal (2E) governing eastward movement on track 2 is in service and mounted to the right (south) of Track 2 on a new signal mast located 3157 ft. east of MP 116.
- D. A high color-light interlocking home signal (2W) governing westward movement on track 2 is in service and mounted to the left (south) of Track 2 on a new signal mast located 880 ft. west of MP 117.
- E. Track 1 is realigned adjacent to Track 2 and south of its former alignment from MP 116.5 to MP 116.9.
- F. A high color-light interlocking home signal (1E) governing eastward movement on Track 1 is in service and mounted to the left (north) of Track 1 on a new signal mast located 3157 ft. east of MP 116.
- G. A high color-light interlocking home signal (1W) governing westward movement on Track 1 is in service and mounted to the right (north) of Track 1 on a new signal mast located 880 ft. west of MP 117.

5) **Passenger Train and Freight Train Maximum Speeds**

A. **Nan Int Limits**

Speed of 45 MPH on No. 1 & 2 tracks for Train Types "A", "B", "C", and "D" increased to 60 MPH.

Speed of 40 MPH on No. 1 & 2 tracks for Train Type "E" increased to 45 MPH.

B. **MP 180.5 to MP 181.7**

Speed of 60 MPH on No. 1 & 2 tracks for Train Types "C and "D" increased to 80 MPH.

EMPIRE CONNECTION

6) **Empire Connection**

The Station Page, Special Instructions, and references to the Empire Connection are discontinued. The former Special Instructions for the territory between New York and CP 12 have been incorporated into the new Hudson Line section.

HUDSON LINE

7) **Hudson Line: New Amtrak Territory - New York to Hoffmans**

A new Station Page and Special Instructions are in effect for the former multiple track CSX territory (extending from the Metro-North Division Post at MP 75.8 to Hoffmans at MP 169.7) now controlled by Amtrak Hudson Line Dispatcher and Amtrak's former Empire Connection. NORAC Operating Rules are in effect. Employees whose duties are effected by these new instructions must review the entire section. See pages 147 through 154. A Metro-North Station page is located on page 157, for information only.

POST ROAD BRANCH

8) **Post Road Branch: New Amtrak Territory**

A new Station Page and Special Instructions are in effect for the former single track CSX territory extending westward from CSX Berkshire Subdivision MP 187.5 to MP 199.5 (new Amtrak Hudson Line CP 142) now controlled by Amtrak Hudson Line Dispatcher. NORAC Operating Rules are in effect. Employees whose duties are effected by these new instructions must review the entire section. See pages 155 and 156.

NIAGARA WHIRLPOOL BRIDGE

- 9) **Niagara Whirlpool Bridge: New Amtrak Territory**
- A. A new Station Page and Special Instructions are in effect for the former single track CN Grimsby Subdivision territory extending northward from CSX Niagara Branch Subdivision MP 28.2 to MP 28.57 over the Niagara Whirlpool Bridge.
 - B. **Authorization to Operate:** This territory is governed by NORAC Rule 98 (Movements not governed by ABS, DCS, or interlocking rules) - No permission required.
 - C. **Maximum Authorized Speed:** Restricted Speed not exceeding 10 MPH.
 - D. **Amtrak Dispatcher Contact Number:** If necessary the Amtrak Hudson Line Dspr may be contacted at telephone number (212) 630-7370.

Employees whose duties are effected by these new instructions must review the entire section. NORAC Operating Rules are in effect. See page 156.

NEW YORK TERMINAL DISTRICT

- 10) **Station Page: NYT**
Reference to Empire Connection at "A" Int changed to Hudson Line.
- 11) **Sunnyside Yard: New Hand-Operated Switch**
A new hand-operated facing point switch in westward direction located 625 feet west of R Interlocking Home Signal on the North Runner Track is in service. The switch is protected both for eastward and westward movement by low interlocking signals with the most favorable aspect of Restricting. When either signal displays a Stop Signal, Rule 241 permission to proceed must be given by the Operator at R. Authority to operate the switch and occupy the North Runner Track must be given by the Operator at R.

MAIN LINE – NEW YORK TO PHILADELPHIA

- 12) **Station Page: NYP**
Reference to Empire Connection at "A" Int changed to Hudson Line.

SYSTEM SPECIAL INSTRUCTIONS

- 13) **The following Special Instructions have been revised or added, and must be reviewed by affected employees.**

Number Brief Description of Change

S-S1	New Instruction: Safe-2-Safer
1-S2	Item 2: Deleted reference to Empire Connection. Added sentence regarding New Hudson Line Bulletin Orders and Division Notices.
1-S4	TSRB: The Northeast Division–West will govern movements over the new Hudson Line, Post Road Branch, and Niagara Whirlpool Bridge territories.
37-S5	Various engines, cars & notes added, revised or deleted.
37-S9	New Instruction: Speed for SUCX Flat Cars.
41-S12	TLM, Undercutters, Power Cars: Reference to "EC" changed to "HUD".
41-S16	Amtrak Express Mail Cars: Reference to "EC" and Empire Connection change to "HUD" and Hudson Line.
41-S17	Brandt Truck Track Car Tonnage Limits: Reference to "EC" changed to "HUD"; new location added for HUD Line (CP 145 - CP 146).
47-S2	Tracks Equipped for AC Electrical Operation: Reference to Empire Connection changed to Hudson Line.

Number Brief Description of Change

- 132-S2 Bridge Strikes: LAB and Niagara Whirlpool Bridges added to “Critical Bridge List”.
- 161-S1 Approved Abbreviations: Deleted Empire Connection- EC; added Hudson Line - HUD, Post Road Branch - PRB, and Niagara Whirlpool Bridge - NGB.
- 165-S1 Form D Delivery Procedures: Northeast-West: Albany Station Masters Office - Changed Empire Connection and Section “A” Dispatcher to Hudson Line and Hudson Line Dispatcher. Mid-Atlantic: Added South Philadelphia Yards.
- 714-S1 Telephone Numbers – Dispatchers, Operators, ETC.: Reference to “EC” changed to “HUD”; Headers changed to include “PRB” and “NGB”; telephone numbers added for the Hudson Line Dispatcher and LAB Tower.

14) General Order - New pages: Title, 3-76, 101-354, Examination pages; Appendix A.

Employees must examine their copy of General Order 501 to ensure that it is complete, then review the revised instructions.

D. J. Stadtler
Vice President Operations



**NATIONAL RAILROAD PASSENGER CORPORATION
NORTHEAST CORRIDOR
GENERAL ORDER NO. 502
Effective 12:01 A.M., Monday, May 6, 2013**

1) Timetable Authority

Timetable Title Page and Schedule pages 4 through 76 of General Order 501 have been revised and must be discarded. This General Order contains a new Title page and Schedule pages 4 through 76. Employees must check the Schedule pages for train schedule changes which may affect their duties.

The following items contain a brief explanation of the changes made in this Employee Timetable, as well as recent physical characteristics changes.

2) Title Page

General Order No. 502 in effect.

3) Summary of Train Schedule Changes

Train 2193 deleted.

Trains 2175 and 2128 added.

Train 170 schedule revised Washington to Baltimore.

Trains 172 & 56 schedules revised Washington to Wilmington.

Minor schedule adjustments to other trains operating between:

New York and Philadelphia; Harrisburg and Lancaster; and Boston and New Haven. Empire schedule adjustments made in coordination with MNR service changes:

Trains 69, 281, 283, 235 depart New York 5" later;

Trains 233, departs New York 25" earlier;

Trains 259 and 245 depart New York 5" earlier;

Train 261 departs New York 15" earlier.

Train 230 departs Albany-Rensselaer 5" earlier;

Train 232 departs Albany-Rensselaer 10" earlier;

Trains 250, 252, 236, 280, 254, 290, 238, 286, 256, 292, 284, 242 and 296 depart 15" later;

Trains 244 and 64 depart Albany-Rensselaer 5" later;

Train 288 departs Albany-Rensselaer 10" later;

Train 68 departs Albany-Rensselaer 20" earlier; Train 68 has different schedule on weekends.

4) Radio Frequency Channels

Various instructions have been modified to update radio codes to 3 digits. Pgs 105, 113, 129, 130, 165, 168, 173, 189, 193, 212, 213, 215, 217, 220, 225, 228, 232, 242, and 331 revised.

5) Typographical Corrections

Various instructions have been modified to change a copyright symbol "©" to item "(c)". Pgs 105, 116, 133, 151, 187, 208, 219, 232, 296, and 320 revised.

MAIN LINE—NEW HAVEN TO BOSTON

6) Passenger Train and Freight Train Maximum Speeds: MP 115.8 to MP 116.6

Curve speed restrictions between MP 115.8 and MP 116.6 on No. 1 & 2 tracks for Train Types "A", "B", "C", and "D" deleted. SI 37-B1 revised.

7) Switches Equipped with Electric Locks

Revised permission required from the "employee listed" to "Dispatcher". SI 104-B1 revised.

8) Highway Crossing Warning - Gov. Winthrop Blvd - MP 123

Rule 138(c) applies on Trk 6 on the Track 6- NECR Connection. New SI 138-B2 added.

9) Unattended Movable Bridge

SI 241-B1 is deleted.

DORCHESTER BRANCH

- 10) **Double Slip Switches Equipped with Moveable Point Frog**
SI 104-D2 revised to include “visual confirmation” that the route is lined.
- 11) **Public Crossing at Grade - Widett Circle (MP 227.0)**
Listing of Widett Circle crossing at grade added. New SI 138-D4 added.

MAIN LINE - MILL RIVER TO SPRINGFIELD

- 12) **Highway Crossing Warning - Parkville Industrial Track**
Rule 138(c) applies over all crossings on the Parkville Industrial Track. New SI 138-M3 added.

MAIN LINE - HAROLD TO CP 216

- 13) **Engine and Equipment Restrictions**
Dimension code - No. 2 trk: MP 10 - West limits of Pelham Bay changed to “3”. SI 40-H1 revised.

MAIN LINE - NEW YORK TO HOFFMANS

- 14) **Station Pages**
A. **CP 141** - Note 1 changed to Note 14.
B. **CP 159** - Deleted reference to Note 2.
B. **Radio Frequencies** - added to “Notes” section.
C. **Note 4** - Revised for clarity regarding receiving/discharging psgrs across trks.
D. **Notes 8 & 10** - Revised for clarity regarding limits and rules on the LAB and Troy Industrial trks.
E. **Note 14** - New note regarding controlled signals on Nos. 1 and 2 trks at CP 141.
- 15) **Signal Rules and Current of Traffic**
CP 141 - CP 169 - Track numbering corrected to North to South. SI 240-U1 revised.
- 16) **Passenger Trains and Freight Trains Maximum Speeds**
A. **Passenger Trains** - Limits: MP 141.1-142.0 changed to 141.1-141.9 and 142.0-142.2 changed to 141.9-142.2; combined 156.3-156.5 and 156.5-157.8 to be 156.3 - 157.8. SI 37-U1 revised.
B. **Passenger and Freight Trains** - Added “Connection to CP Rail” below MP 159.7 State St. restriction. SI 37-U1 revised.
- 17) **Maximum Speeds - Other Tracks**
Added “Unless Otherwise Specified.” to Yard, Industrial and Delivery tracks. SI 37-U3 revised.
- 18) **Mineral Freight Trains: Maximum Speeds**
SI added denoting restrictions in SI 37-S4 regarding Mineral Frt speeds only apply between CP 145 and CP 146 on the Main Line - New York to Hoffmans. New SI 34-U4 added.
- 19) **Engine and Equipment Restrictions**
Poughkeepsie & CP 156 - New note (d) added re: cars exceeding 286,000 lbs. SI 40-U1 revised.
- 20) **Switches Equipped with Electric Locks**
Revised permission required from the “employee listed” to “Dispatcher”. Deleted MP 141.5 switch. Added MP 141.8 switch. Changed MP 159.9 to MP 159.7. SI 104-U1 revised.
- 21) **Tracks and Switches Out of Service**
Deleted switches at MP 1.2, 1.4, and 141.5. SI 132-U1 revised.
- 22) **Train and Engine Service Employees**
SI added for T&E employees to receive instructions from the Albany “Yard” Master. New SI 940-U1/950-U1 added.

NIAGARA WHIRLPOOL BRIDGE

- 23) **Station Page - Note 1**
Added description of NORAC Rule 98 to Note 1. Station Page revised.
- 24) **Required Books**
SI added regarding exemption from carrying NORAC Operating Rules. New SI A -NG1 added.

NEW YORK TERMINAL DISTRICT

- 25) **Sunnyside Yard Movement Restrictions**
SI 41-T1 re-designated as 104-T3. SI 41-T2 renumbered 41-T1.
- 26) **Sunnyside Yard - Movement from North Runner to MW Storage Track**
A. A hand-operated facing point turnout is in service 625 feet west of R Int home signal for westbound movements from the North Runner to the east end of the MW Storage Track.
B. Low position light signals are in service on the North Runner east and west of the switch.
C. SI added describing signals indications for movement on North Runner. New SI 104-T4 added.
- 27) **Operating From Other Than the Leading End with Psgr Equipment: New York Penn Station**
SI 116-T1 updated regarding use and testing of back-up hose. SI 116-T1 revised.
- 28) **Loop 1 and Loop 2**
A. E32 automatic signal on Loop 1 track is removed.
B. E32 automatic signal on Loop 2 track is removed.
- 29) **F Interlocking Signals**
A. High position light interlocking home signal (740W) governing westward movements on No. 1 Track at F is changed to a high color light type signal at same location.
B. High position light interlocking home signal (734W), governing westward movements on No. 3 Track at F is changed to a high color light type signal at same location.

MAIN LINE – NEW YORK TO PHILADELPHIA

- 30) **Signal Rules and Current of Traffic: No. 4 Track Midway to Ham**
DCS rules formerly in effect for eastbound movements on No. 4 Track between Midway and Ham have been replaced by Cab Signal System Rules without fixed automatic block signals (Rule 562).
A. A sign displaying "NO FIXED ABS" is located at the east limit of Ham on a post to the right of No. 4 Track (for eastbound moves), to remind employees that they are entering Rule 562 territory. SI 562-N2 revised.
B. Fixed ABS signals remain in service for westbound movements on No. 4 Track between Midway and Ham.
C. The table in SI 240-N1, is revised to reflect the split between County and Ham at Midway and Note 7 is added to effect the rules on No. 4 track between Midway and Ham.
- 31) **Switches Equipped with Electric Locks**
Revised permission required from the "employee listed" to "Dispatcher". SI 104-N1 revised.

MAIN LINE - PHILADELPHIA TO WASHINGTON

- 32) **New Carrollton Station - ADA Bridge Plates**
ADA Accessible bridge plates placed on both the north and south ends of the platform at New Carrollton Station are secured to a pole and can be unlocked and accessed by 102 switch key.
- 33) **Switches Equipped with Electric Locks**
Revised permission required from the "employee listed" to "Dispatcher". SI 104-P1 revised.

WASHINGTON TERMINAL

- 34) **Engine Whistle or Horn Signals: New York Avenue Overhead Bridge**
A. The permanent whistle signs for Tracks 40 and 42 approaching the New York Avenue overhead bridge are removed, and the third paragraph of SI 19-W1 is deleted.
B. Roadway Workers requiring protection at this location may display Portable Whistle Signs as described in SI 19-S2.
- 35) **Semi-automatic Switches in Washington Terminal**
SI 106-W1 is deleted.

MAIN LINE - PHILADELPHIA TO HARRISBURG

- 36) **Roy to Park**
Cork interlocking station is permanently closed. Roy, Rheems, Lititz, Cork, Conestoga, Holland, Leaman, and Park Interlockings are now under CETC control.

- A. **Station Pages:** Deleted Cork as an interlocking station and added reference to being remotely controlled by CETC based on SI 900-G1. Station Page revised.
Remote Control of Interlockings: Above listed interlockings changed to being remotely controlled by CETC based on SI 900-G1. Station Page revised.
 - B. **Dispatchers: Assigned Territories:** CETC Section B and C hours revised. SI 900-G1 revised.
 - C. **Switches Equipped with Electric Locks:** Revised permission required from the “employee listed” to “Dispatcher”, unless otherwise specified”. Deleted “Controlled by” column. Added new note 1, renumbered former note 1 as note “2”. SI 104-G1 revised.
 - D. **Maibach Propane Industrial Track at Eby Cheques Road, MP 77.8**
Changed contact from “Operator at Cork” to “Train Dispatcher”. SI 138-G2 revised.
 - E. **Telephone Numbers:** Deleted phone number for Cork. SI 714-S1 revised.
- 37) **Harrisburg Power Director Telephone Number**
Telephone number for Harrisburg PD changed. SI 714-S1 revised.

SYSTEM SPECIAL INSTRUCTIONS

- 38) **The following Special Instructions have been deleted, revised or added.**

<u>Number</u>	<u>Brief Description of Change</u>
A-S4	Books in Effect updated.
G-S1	RedBlock logo changed.
S-S1	Safe-2-Safer Instruction deleted
1-S2	Albany added for crews not required to carry NED-W BO's and DN's.
34-S4	Clearance Codes C & D revised to include 27 trk in Washington Terminal.
35-S6	Added distance CWR-Rail train may operate with buffer car on the rear.
37-S5	Various engines, cars, SI references & notes added, revised or deleted.
37-S8	SI reference number in instruction, updated.
41-S5	SI reference number in instruction, updated.
41-S6	Air Dump Gondolas instruction deleted. SI 41-S7 to S17 renumbered 41-S6 to S16.
41-S8	Amtrak Ballast Cars: revised for clarity.
41-S9	Switch Exchange System Cars: revised for clarity.
41-S12	Rail Pick Up / Unloading Unit: added “Unloading” to name of unit.
41-S13	Amtrak MW Cranes: car added.
47-S2	Tracks Equipped for AC Electrical Operation: Post Road Branch added to exceptions.
47-S9	AMT-2 Catenary Power Outages instruction 2.503 revised for clarity.
116-S2	AMT 3 reference 5.4.3 deleted and “devices” changed to “back-up” hose.
133-S1	MMU-1000 added to list of exceptions.
165-S1	Form D Delivery Procedures: Added locations.
241-S2	New Instruction: Stop Signal at Movable Bridge: Qualified Employee
401-S2	Added word “restricted” previously omitted.
714-S1	Telephone Numbers – Dispatchers, Operators, etc.: numbers revised or deleted.
716-S5	eTicketing Mobile Device: added “Voice and Text Communications.”
803-S1	Operation of Specialized Equipment: MMU-1000 added.
815-S4	Junction deleted from list of interlockings with spring frogs.

HIGH SPEED TRAINSETS & HHP-8 LOCOMOTIVES

- 39) **The following Special Instructions have been deleted, revised or added.**

<u>Number</u>	<u>Brief Description of Change</u>
72-A3	HST: On-Board Hot Bearing Detector System: B. Sensor Failure Alarm: revised.
72-A4	HHP-8: On-Board Hot Bearing Detector System: reference to SI 72-A3 updated.

- 40) **General Order** - New pages: Title, 3-76, 105, 108, 113, 116, 119, 123, 129, 130, 133, 140, 144, 147-154, 156, 163-166, 168, 173, 174, 184, 187, 189, 193, 208, 210, 212, 213, 215, 217, 219, 220, 225, 226, 228, 231-233, 240-242, 245, 254, 259-261, 272, 273, 282, 286, 287, 291, 292, 294-298, 300, 306, 309, 315-318, 320, 331, 332, 335-338, and 347-349.

Employees must examine their copy of General Order 502 to ensure that it is complete, then review the revised and new instructions.

D. J. Stadtler
Vice President Operations



**NATIONAL RAILROAD PASSENGER CORPORATION
NORTHEAST CORRIDOR
GENERAL ORDER NO. 503
Effective 12:01 A.M., Monday, December 2, 2013**

1) Timetable Authority

The Timetable Title Page of General Order 502 has been revised and must be discarded. This General Order contains a new Title page.

The following items contain a brief explanation of the changes made in this Employee Timetable, as well as recent physical characteristics changes.

2) Title Page

General Order No. 503 in effect.

3) Summary of Train Schedule Changes

None. Due to the continuous major track work on the corridor modifications to the schedules of GO 502 will continue to be issued by Bulletin Order.

4) Amtrak Reorganization

1. Effective 12:01 A.M., Tuesday, October 1, 2013, Amtrak operations are no longer delineated by "divisions." Operations are now aligned with train routes (service lines) for NEC Services, Long Distance Services and State-Supported Services.
2. The Amtrak system is reorganized into four Regions: Northeast Corridor Region, Southeast Region, Central Region and Western Region.
The Northeast Corridor Region is made up of subdivisions, as follows:
 - a. Northeast Subdivision (former Northeast Division),
 - b. Hudson Subdivision (former Northeast Division) and
 - c. Mid-Atlantic Subdivision (former Mid-Atlantic Division).
3. Various instructions have been modified changing General Superintendent to General Manager and deleting the term "division" as a description of a Region section. Pgs: Title, 113, 126, 141, 157, 161, 172, 173, 181, 189, 190, 204, 217, 249, 250, 261-264, 266-266B, 271-274, 277, 294, 295, 298, 304, 308, 309, 314-317, 332, 333, and 340 revised.

MAIN LINE—NEW HAVEN TO BOSTON

5) Switches Equipped with Electric Locks

The American Paper switch at MP 203.5 is removed. SI 104-B1 revised.

6) Tracks and Switches Out of Service

The East leg of the Wye at Midway and Old Pawtucket Yard at Lawn returned turn service. The American Paper switch at MP 203.5 is removed. SI 132-B1 revised.

7) Shaws Cove Int: Reversing Direction on Trk 6 (NECR Lead)

Train spotting and reverse speed added. New SI 586-B1, added.

8) Dispatchers: Assigned Territories

South County Dispatcher added to SI 900-B1.

DORCHESTER BRANCH

- 9) **Dorchester Branch: Special Instructions Revised Concerning Non-Amtrak Territory**
The following Dorchester Branch Special Instructions have been changed in order to eliminate information that does not pertain to Amtrak Territory.

37-D1. Maximum Speeds and Speed Restrictions: Deleted Transfer to South Bay.

40-D1. Engine and Equipment Restrictions: Deleted Transfer to South Bay, and Single Track.

240-D1. Signal Rules and Current of Traffic: Deleted Transfer to South Bay, and Single Track.

The following Special Instruction is deleted.

41-D1. Job Briefings – South Hampton St. Yard

Information on this territory can be found in the Massachusetts Bay Commuter Railroad (MBCR) Timetable.

MAIN LINE - NEW YORK TO HOFFMANS

- 10) **Station Pages**
CP 125 - CSX Shocdack Subdivision renamed Castleton Subdivision.
- 11) **Shoving or Backing Movements: Model P32AC-DM Locomotives**
SI 116-U1 is deleted. Crews shoving a P32AC-DM locomotive (Series 700-717) are governed by SI 116-S1.
- 12) **Portable Radio Transmissions within the Empire Tunnel**
New SI 706-U1 added regarding channels in service for portable radios within the tunnel.

NEW YORK TERMINAL DISTRICT

- 13) **Long Island Railroad Employees**
Reference to "Form 19" changed to "Form L". SI C-T1 revised.
- 14) **East River Tunnels**
SI 701-T1 deleted. SI 701-T2 **Sunnyside Yard – Radio Transmissions** renumbered 701-T1.
- 15) **Portable Radio Transmissions within the East River Tunnels**
New SI 706-T1 added regarding channels in service for portable radios within the tunnels.
- 16) **"F" Interlocking Signals / Interlocking Limits**
- A. No. 1 Track:** 1E-24 automatic block signal located 2609 feet east of 1E-22 automatic block signal, is out of service and removed.
High color light interlocking home signal (742E) governing eastward movement on No. 1 Track, located 2609 feet east of 1E-22 automatic block signal, is in service and is now the eastward home signal for F Interlocking.
- B. No. 3 Track:** 3E-24 automatic block signal located 1723 feet east of 3E-22 automatic block signal is out of service and removed
High color light interlocking home signal (736E) governing eastward movement on No. 3 Track, located 2081 feet east of 3E-22 automatic block signal, is in service and is now the eastward home signal for F Interlocking.
- C. Loop 1 Track:** Low position light interlocking home signal (744W) governing westward movement on Loop 1 Track is out of service and removed
High color light interlocking home signal (760We) governing westward movement on Loop 1 Track mounted on a mast, located 1420 feet east of former home signal on Loop 1 Track, is in service and is now the westward home signal for F Interlocking.
- D. Loop 2 Track:** Low position light interlocking home signal (738W) governing westward movement on Loop 2 Track is out of service and removed.
Low position light interlocking home signal (748Wc) governing westward movement on Loop 2 Track, located 1180 feet east of former home signal on Loop 2 Track, is in service and is now the westward home signal for F Interlocking.

- E. **No. 2 Track:** High position light interlocking home signal (708W) governing westward movements on No. 2 track at F is changed to a high color light type signal at the same location.
High position light interlocking signal (716W) governing westward movements on No. 2 track at F is changed to a high color light type signal at the same location.
High position light interlocking home signal (708E) governing eastward movements on No. 2 track at F is changed to a high color light type signal at the same location.
High position light interlocking signal (716E) governing eastward movements on No. 2 track at F is changed to a high color light type signal at the same location.
High position light interlocking signal governing westward movement on No. 2 track (720W) located 1744 feet west of Signal Bridge 37 at Harold is out of service and bagged.
High color light type signal governing westward movement on No. 2 track (720W) affixed to signal bridge and located 2,424 feet west of Signal Bridge 37 at Harold is in service and is now the westward home signal for F Interlocking.
- F. **No. 4 Track:** High position light interlocking home signal (712E) governing eastward movements on No. 4 track at F is changed to a high color light type signal at the same location.
High position light interlocking home signal governing westward movement on No. 4 track (712W) located 1744 feet west of Signal Bridge 37 at Harold is out of service and bagged.
High color light type signal governing westward movement on No. 4 track (712WA) mounted on a mast and located 2,424 feet west of Signal Bridge 37 at Harold is in service and is now the westward home signal for F Interlocking.
- E. **Line 2 Connection:** High position light interlocking signal (704W) governing westward movements from Line 2 connection to No. 2 track at F is changed to a high color light type signal at the same location.

17) NYT - Automatic Block Signals

- A. **No. 4 Track:** Unnumbered High Position-light signal, referred to in Special Instruction 241-T1, governing westward movements on No. 4 track (Line 4) located 785 feet west of MP3 (former F Int Station) recently changed to numbered Automatic Block signal 4E25 is out of service and removed.
New color light type Automatic Block signal 4E25 governing westward movement on No. 4 track located on tunnel apron wall 1,140 feet west of MP 3 (former F Int Station) in service. Number plate is now part of aspect, indicating most restrictive signal is now Stop and Proceed (NORAC Rule 291).
High position light Automatic Block signal E-34 governing eastward movement on No. 4 track located 1770 feet east of F Interlocking Eastbound home signal (712E) out of service and bagged.
New high color light type Automatic Block signal E-32 governing eastward movement on No. 4 track located on signal bridge 1,591 feet east of F Interlocking Eastbound home signal (712E) in service.
- B. SI 241-T1 **Stop Signals** is deleted.
- C. **No. 2 Track:** High position light Automatic Block signal E-34 governing eastward movement on No. 2 track located 3270 feet east of F Interlocking Eastbound home signal (708E) out of service and bagged.
New high color light type Automatic Block signal E-32 governing eastward movement on No. 2 track located on signal bridge 3,081 feet east of F Interlocking Eastbound home signal (708E) in service.

18) Harold Interlocking - Signals on Westward LIRR Freight Track

- A. High position light home signal formerly governing westward movements on the Long Island Westward Freight Track (No. 824W), and located on the first signal bridge west of Signal Bridge 37, is removed from service.
- B. New ground mounted pedestal style position light home signal governing westward movements on the Long Island Westward Freight Track has been installed at the same location as the former high signal. This new pedestal style home signal is capable of displaying Limited Clear aspect, as per SI 277-T4.

19) Harold Interlocking - Signals on the LIC Westward Passenger Track

High position light interlocking home signal (822W) governing westward movement on the LIC Westward Passenger track relocated 410 feet east of its former location.

MAIN LINE – NEW YORK TO PHILADELPHIA

20) Engine and Equipment Restrictions

Girard Interlocking: The dimension code for Track 4 within Girard Interlocking is changed from dimension code 4 to dimension code 3, and new note (c) is added providing exception for listed NJT engines. SI 40-N1 revised.

21) Shoving or Backing Movements: Model P32AC-DM Locomotives

SI 116-N1 is deleted. Crews shoving a P32AC-DM locomotive (Series 700-717) are governed by SI 116-S1.

22) North River Tunnels

SI 701-N1 deleted.

23) Portable Radio Transmissions within the North River Tunnels

New SI 706-N1 added regarding channels in service for portable radios within the tunnels.

MAIN LINE - PHILADELPHIA TO WASHINGTON

24) Engine and Equipment Restrictions

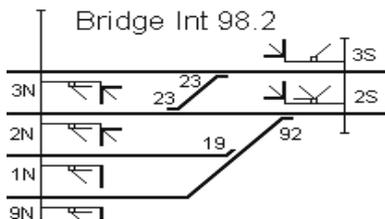
Special Instruction reference number changed in SI 40-P1 note (c) due to renumbering of the SI 41 series.

25) Portable Radio Transmissions within the B&P and Union Tunnels

New SI 706-P2 added regarding channels in service for portable radios within the tunnels.

26) Bridge Interlocking: New Crossover

New interlocked crossover (No. 23 switch) in service at Bridge, facing point for southbound moves from No. 3 Track to No. 2 Track. The northern switch points on No. 3 track are located 299 feet south of the southbound home signal on No. 3 track. The southern switch points are located 476 feet north of the northbound home signal on No. 2 track.



NOTE: Until further notice, the new crossover is **NOT** equipped for AC electrical operation.

27) Halethorpe Passenger Station - MP 103

A. New High level platform (800 feet in length) in service on No. 3 track south of the low level platform. Trains making station stops on No. 3 Track at Halethorpe must utilize the high level platform.

B. New High level platform (700 feet in length) is in service on Track A at Halethorpe. Trains making Stops on Track A must utilize the high level platform.

28) MARC Inspection Reports and Forms

References to CSX changed to MARC in the title and body of SI 952-P1.

WASHINGTON TERMINAL

29) 11 Track: Northward Starting Signal

The northward starting signal for 11 Track, the Home Signal for K Interlocking (109 Signal), is re-located 4 feet south of its former location.

30) MARC Inspection Reports and Forms

References to CSX changed to MARC in the title and body of SI 952-W1.

MAIN LINE - PHILADELPHIA TO HARRISBURG

31) Track Speeds Upgraded

SI 37-G1 has been modified in entirety to include Passenger Train Types "A", "B", "C", and "D", and Freight Type "E".

This modification is due to an increase in speed at various locations up to 110 MPH and for 5 inch cant deficiency operation for Passenger Train Types "A" and "B" between Overbrook and State interlockings as a result of signal and track improvements.

The Freight Train Type "E" table contains no speed or location limits changes.

32) Engine and Equipment Restrictions

Zoo to Overbrook: The dimension code for Track 1 between Zoo and Overbrook is changed from dimension code 3 to dimension code 2. SI 40-G1 revised.

33) Irishtown Road Crossing

Irishtown Road Crossing, formerly located at MP 59.2, is permanently removed from service. SI 138-G1, page revised.

34) Signal Rules and Current of Traffic

Holland to Lititz: The note number for No. 2 track between Holland and Lititz is changed from 4 to 3. SI 240-G1 revised.

35) 78L Signal at State - Elevated

The dwarf signal (78L) located on the West Leg of the Wye at State Interlocking has been elevated approximately 65 inches from the ground.

MAIN LINE - 36TH STREET CONNECTION

36) Zoo Interlocking

New switches (71, 73, 93 switches) have been installed at Zoo. All switches are equipped for AC electrical operations.

A. The new 71 switch crossover is located on No. 1 36SC (inbound) Track 473 feet west of the second westbound interlocking signal in Zoo Interlocking located approximately at 34th Street (68R signal) to allow movement from No. 1 36SC track to No. 4 36SC Track. The old 71 slip switch has been clamped, wedged and point protected out of service until removal at a later date.

B. The former slip switch (69 switch) from the rundown to No. 1 36SC (inbound) has been removed; however, the new switch has not changed location.

C. The new 73 switch turnout is located on No. 4 36SC (outbound) Track 773 feet west of the westbound home signal for Zoo Interlocking (70R signal) to allow movement to 2 Through Freight, 3 Berry or WBY Tracks. The old 73 slip switch has been clamped, wedged and point protected out of service.

D. The new 93 switch turnout is located 232 feet west of new 73 switch to allow movement to 2 Through Freight track when in normal position, or movement toward the WBY and 3 Berry Tracks when in reverse position. The old 93 switch has been removed.

SYSTEM SPECIAL INSTRUCTIONS

37) The following Special Instructions have been deleted, revised or added.

Number	Brief Description of Change
B-S2	Confidential Close Call Report System (C ³ RS) revised to include all Amtrak locations and modify events covered.
C-S1	Deleted "division" reference.
C-S4	Deleted "division" reference.
C-S5	Deleted "division" and General Superintendent references.
R-S1	Employee Physical Examinations revised in entirety.
1-S1	Deleted "division" reference.
1-S2	Bulletin Orders and Notices Section 2 revised to concur with organization restructure.
1-S4	TSRB - New table added to show which TSRB's govern based on Dispatching Offices. References to "division" deleted.
4-S1	Job Briefing: First 5 paragraphs and table headings revised. Deleted "division" reference.
34-S2	Deleted General Superintendent reference.
34-S6	Deleted "division" reference.
35-S1	Freight Operation: Added HUD and PRB Lines. Deleted "division" reference.
35-S3	Maximum Power on Rear: Changed "pusher" engine to "helper" engine.
35-S5	Deleted "division" reference.
35-S7	Deleted General Superintendent reference.
36-S9	New AMT-3 Instruction: 3.5.12 - Locking Locomotive Doors
36-S10	AMT-3 Instruction 5.1.10 paragraph B revised to correct section reference.
37-S4	Deleted "division" reference.
37-S5	Various engines, cars, SI references & notes added, revised or deleted.
41-S1	Tunnels and Penn Station: updated Hazmat title and clarified paragraph 5.
41-S2	Deleted General Superintendent reference.
41-S3	No. 6 Turnout instruction deleted. SI 41-S4 to S16 renumbered 41-S3 to S15.
41-S4	Amtrak Freight Cars: List updated. Deleted "division" reference.
41-S5	Air Dump Hoppers & Gondolas: List updated.
41-S10	Deleted "division" reference.
47-S2	Deleted "division" reference.
47-S3	Deleted "division" reference.
80-S1	Deleted "division" reference.
116-S1	Shoving or Backing Movements: Paragraph C 2) replaced.
132-S2	Deleted "division" reference.
133-S1	Deleted "division" reference.
139-S1	New Instruction: Trains, Car(s) or Other On-track Equipment Left Unattended on Mainline Track or Mainline Siding
165-S1	Form D Delivery Procedures: Deleted "division" reference. Added Note 16.
706-S2	New Instruction: Narrow Band Radio Channels
714-S1	Telephone Numbers – Dispatchers, Operators, etc.: numbers revised or deleted. Deleted "division" reference.
941-S1/	
951-S1	Deleted "division" reference.

38) **General Order** - New pages: Title, 113, 120-126, 128, 141, 147, 152, 154, 160, 161, 166, 168, 172, 173, 181, 183-185, 189, 190, 204, 208, 213, 217, 229, 233-242, 247-250, 259-274, 277, 279, 283-298, 304, 305, 308, 309, 312, 314-17, 331-333, 340, and new pages 234A, 234B, 266A, 266B, 276A, 276B, 312A and 312B .

Employees must examine their copy of General Order 503 to ensure that it is complete, then review the revised and new instructions.

DJ Stadtler
Vice President Operations



**NATIONAL RAILROAD PASSENGER CORPORATION
NORTHEAST CORRIDOR
GENERAL ORDER NO. 504
Effective 12:01 A.M., Monday, October 6, 2014**

1) Timetable Authority

The Timetable Title Page of General Order 503 has been revised and must be discarded. This General Order contains a new Title page.

The following items contain a brief explanation of the changes made in this Employee Timetable, as well as recent physical characteristics changes.

2) Title Page

General Order No. 504 in effect.

3) Summary of Train Schedule Changes

None. Due to the continuous major track work on the corridor modifications to the schedules of GO 502 will continue to be issued by Bulletin Order.

MAIN LINE—NEW HAVEN TO BOSTON

4) New Haven: Parcel G - Tracks and Switches Out of Service

In Parcel G the track connecting S-1 and S-2 is removed from service. The hand-operated switch connecting the Pit track with S-1 is lined and locked for moves to and from S-1. The hand-operated switch on S-2 leading from S-2 to S-1 is lined and locked for moves to and from S-2.

5) Cedar Hill Yard

The Quinnipiac River Bridge (Sea Gull Bridge) at MP 3.48 going from the Hamden MoW Base (The Thorofare Track) to the West Class Yard is closed and out of service for rail, vehicular and pedestrian traffic until further notice. Barricades are erected on both sides of the Quinnipiac River Bridge.

6) Westbrook Station

New High-Level platforms are in service on both tracks at Westbrook. The Low-Level platforms are out-of-service.

The new platforms are 204 feet in length, and are located 68 feet east of the low-level platforms. A pedestrian overpass is in service to access each platform. Special Instruction 121-B1 no longer applies at Westbrook and Note 1 is deleted from Westbrook in the "Notes" column on the NHB Station page.

7) Old Saybrook Station

The Train Approach Message System (TAMS) at Old Saybrook is out of service on all tracks. On-ground personnel will not provide protection at Old Saybrook. SI 34-B1 revised.

- 8) Nan Int - Passenger Trains and Freight Trains Maximum Authorized Speeds**
Maximum authorized speeds in Nan Int increase from 60 MPH to 70 MPH for train Type "A" and 60 MPH to 65 MPH for train Types "B, C, & D". SI 37-B1, revised.
- 9) Shaws Cove Int: Signal Changes**
The eastward Home Signals on tracks 1 and 2 (1E & 2E) are changed from two-head, color light signals to three head, color light signals.
A new Dwarf Signal is in service at the east end of Shaws Cove Interlocking governing eastward movements on Track 6 (NECR Lead). This signal is located 12 Ft. west of the existing westbound Home Signal (6W). The most restrictive aspect that can be displayed by this signal is "Restricting". SI 242-B1, B2, & B3 combined, formatted into a table including the new dwarf signal and re-numbered 242-B1.
- 10) New London Track 6 - Intervening Tracks: Obtaining Assurance of Protection**
Passenger trains routed to track 6 (NECR Connection) at New London station that will be receiving or discharging passengers must not enter the station without assurance from the Train Dispatcher that protection on Tracks 1 and 2 has been provided in accordance with NORAC Rule 121(b). Station Page Note 3 at New London revised to apply 121(b) to Track 6 NECR Conn.
- 11) Switches Equipped with Electric Locks**
Note 5 revised to assign control of switch to the "Train Dispatcher on Duty as listed in SI 900-B1". Note 6 revised to specify instructions for operation and restoration of switch lock. Note 6 added to Mystic River switch - No. 1 track to Mystic Yard. SI 104-B1 revised.
- 12) Stony Int - Track 3 - Maximum Speeds - Other Tracks**
Between "Begin/End Signaled Territory" sign and End of Track on No. 3 track the maximum authorized speed is Restricted Speed not exceeding 10 MPH. SI 37-B3, revised.
- 13) Malcolm Int - Track 4 - Passenger Trains and Freight Trains Maximum Authorized Speeds**
The maximum authorized speed on Track 4 in Malcolm Int is 45 MPH psgr/ 30 MPH frt. SI 37-B1, revised.
- 14) Mansfield Int - Plate G Cars**
Plate G cars measuring 17'0" or less may operate between Mansfield and Merken's Chocolate Lead track. SI 40-B1, revised.
- 15) Catenary Dead Sections**
ACS-64 locomotives added to list of locomotives required to have the Main Circuit Breaker switch open when operating through dead sections or voltage change locations. SI 47-B1, revised.
- 16) Dispatchers: Assigned Territories**
Dispatching Desk modifications to SI 900-B1 will be contained in Bulletin Orders until further notice.

MILL RIVER TO SPRINGFIELD

- 17) CP Wall: Signals Relocated**
The signal mast at CP Wall has been relocated from the east side of the Single track at MP 13.3 to the west side. This places the signal for Northward movement to the left of the Single Track, and the signal for Southward movement to the right of the Single Track.

- 18) Public Crossings at Grade: Flatbush Ave (MP 33.9) and Flower St. (MP 36.2)**
Flatbush Avenue (MP 33.9) and Flower Street (MP 36.2) Grade Crossings are permanently removed from service SI 138-M1, revised.
- 19) Hartford: Tracks and Switches Out of Service**
Hartford Courant switch and siding (MP 36.3), except when supervised by MW. SI 132-M1, revised.
- 20) Springfield Station: Train Spotting - Track 2A**
Due to the deteriorated condition of the Springfield station platform adjacent to track 2A, trains are to be spotted on the west end crossing for all station work.

MAIN LINE - NEW YORK TO HOFFMANS

- 21) Station Pages**
CP 146 - Note 2 "Equipped with dual control switches" added.

NEW YORK TERMINAL DISTRICT

- 22) "A" Interlocking Signal and Switch Relocations**
- A. No. 8 Track:** Color light interlocking signal 114E, governing eastward movement on Track 8 relocated 45 feet east of its former location.
Color light interlocking signal 116W, governing westward movement on Track 8 relocated 45 feet east of its former location.
- B. No. 9 Track:** Color light interlocking signal 112E, governing eastward movement relocated 12 feet east of its former location.
- C. No. 14 and 15 Tracks:** 45 Switch at the west end of A Interlocking for moves between 14 and 15 tracks removed in its entirety
40W signal governing westbound moves on number 15 track relocated 27 feet west of its former location.
42E signal governing eastbound moves on number 15 track relocated 28 feet west of its former location.
46W signal governing westbound moves on number 14 track relocated 70 feet west of its former location.
44E signal governing eastbound moves on number 14 track relocated 57 feet west of its former location.
- 23) "KN" Interlocking Signal Change**
The No. 426W signal on the cantilever signal bridge governing westward movement off No. 21 Track on the "F" Ladder has been replaced with a Ground Mast signal at the same location-T1.
- 24) "F" Interlocking Reconfiguration**
- A. No. 3 Track (Line 3):** Facing point interlocked crossover (771 switch) for eastward movement from No. 3 track (Line 3) to the LIC Eastward Passenger track located 1207 feet east of F eastbound home signal (736E signal) is in service.
- B. LIC Eastward Passenger Track:** New mast mounted high color light interlocking home signal (770E signal) governing eastward movement on the LIC Eastward Passenger track located 1580 feet east of LIRR Hunterspoint Ave passenger station platform installed and in service. 770E signal is the "F" interlocking eastbound home signal on the LIC Eastward Passenger track.
Trailing point interlocked crossover (771 sw) on LIC Eastward Passenger track

for eastward movement from No. 3 track (Line 3) located 630 feet east of F eastbound home signal (770E). Note: 771 switch is equipped for DC electric operation only and is NOT equipped for AC operation.

New mast mounted high color light interlocking home signal (770W signal) governing westward movement on the LIC Eastward Passenger track located 225 feet east of MP 3 (former F Int. Station) installed and in service.

High position light interlocking signal governing eastward movements on the LIC Eastward Passenger track (846E), formerly located on signal bridge 4,485 feet east of Hunterspoint Avenue Station is replaced by a ground mounted pedestal style position light signal(846E) governing eastward movements on the Eastward Passenger track, installed and in service 271 feet west of its former location. This signal is will not display an Approach Limited aspect.

25) Harold Interlocking Reconfiguration

A. LIC Eastward Passenger Track: Pedestal position light interlocking home signal (828E) governing eastward movement on the LIC Eastward Passenger track located 90 feet east of the LIRR Hunterspoint Ave passenger station platform replaced by a new mast mounted high color light interlocking home signal at the same location.

High position light interlocking signal (830E) governing eastward movement on the LIC Eastward Passenger track formerly located 1750 feet east of the LIRR Hunterspoint Ave passenger station platform out of service and removed.

New mast mounted high color light interlocking signal (830E) governing eastward movement on the LIC Eastward Passenger track now located 2625 feet east of the LIRR Hunterspoint Ave passenger station platform in service.

Mast mounted high position light interlocking signal (828W) governing westward movement on the LIC Eastward Passenger track located 1910 feet west of "F" interlocking westbound home signal (770W signal) replaced by a mast mounted high color light signal at the same location.

Mast mounted high position light interlocking signal (830W) governing westward movement on the LIC Eastward Passenger track located 2480 feet west of former Harold Int. Station replaced by a mast mounted high color light signal at the same location.

B. Westward LIRR Freight Track: Pedestal position light interlocking signal governing westward movements on the Long Island Westward Freight Track (824W) located 2600 feet west of former Harold Int. Station replaced by a high color light interlocking signal at the same location.

C. LIC Westward Passenger Track: Pedestal position light interlocking home signal (822EA) located 90 feet east of LIRR Hunterspoint Ave station platform governing eastward movement on the LIC Westward Passenger track at Harold out of service and removed. New mast mounted high color light signal (822EA) installed and in service at the same location.

New mast mounted color light interlocking signal (832E) governing eastward movement on the LIC Westward Passenger track at Harold installed and in service 50 feet west of MP 3 (former F interlocking station).

High position light interlocking signal (822W) located 2900 feet west of former Harold Int. station governing westward movement on the LIC Westward Passenger track at Harold out of service and removed. New high color light type interlocking signal (No. 832WA) installed and in service at the same location.

Low position light interlocking home signal (822WC) governing westward movement to the LIC Westward Passenger track when approaching from Sub 1 track located 410 feet west of MP 3 (former F interlocking station) replaced by a low color light signal at the same location.

D. Line 2 Connection Track: Mast mounted high position light interlocking home signal (822EC) governing eastward movement on the Line 2 Connection track

4032 ft east of Automatic Signal 216, facing point for westbound moves on No. 1 track between Iselin and Union. SI 104-N1, revised.

MAIN LINE - PHILADELPHIA TO WASHINGTON

32) Engine and Equipment Restrictions

River and Bay: Equipment dimension code on No. 1 track changed from 6 to 7. SI 40-P1, revised.

33) Bridge Interlocking: No. 23 Switch

The northbound crossover between No. 2 and No. 3 tracks (23 Sw) is now equipped for AC Motor operation.

34) Landlith Interlocking: North Leg of the Wye

The Wilmington Back Shop Foreman will not be on duty on weekends and 10pm to 6am Monday through Friday. Note 6 of PW Station Page revised to delete reference to "permission from the Back Shop Foreman" and new Note 17 added at Landlith with instructions for operation on the North Leg of the Wye.

35) Penn Coach Yard: Penn Coach Yard Bulletin (PCYB) / Operating Instructions

New Special Instruction added covering new Penn Coach Yard Bulletin established for crews operating in Penn Coach Yard and Race St. Engine House, and providing instructions for operating in Penn Coach Yard. SI 1-P2, added.

WASHINGTON TERMINAL

36) "C" Interlocking Changes: Wedge Yard

MARC's Wedge Yard Lead is in service between Washington Terminal District's Track 52 and the CSX Main Line. The following changes are in effect in "C" Interlocking to provide access to Wedge Yard from Track 52.

A. New power operated switch No. 478 has been installed on Track 52, located approximately 164 feet north of signal 503, and approximately 200 feet south of the High Speed Car Wash. No. 478 switch is facing point for northward movements from Track 52 onto the new Wedge Yard Lead Track.

B. Wedge Yard Lead Track in service from No. 478 switch northward into Wedge Yard.

1. The Wedge Yard Lead Track is equipped with a power operated split-rail derail, approximately 299 feet north of No. 478 switch.

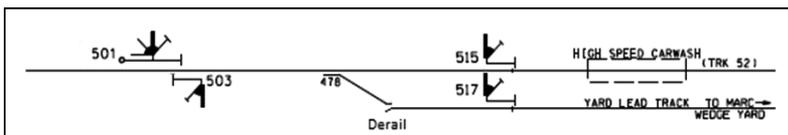
2. The Wedge Yard Lead Track and new power operated connecting switch No. 478 are not equipped for AC electrical operations.

C. New southward signal No. 515 in service on Track 52, located approximately 100 feet south of the High Speed Car Wash. Signal No. 515 governs southward movements on Track 52 over No. 478 switch.

D. New southward signal No. 517 in service on the Wedge Yard Lead Track, located approximately 100 feet south of the High Speed Car Wash and approximately 20 feet north of the derail. Signal No. 517 governs southward movements over the derail and over No. 478 switch.

E. The area between signal Nos. 503 and 515/517 designated the "CN" portion of "C" interlocking, controlled by K-Tower.

"CN" portion of "C" Interlocking



F. Movements in to and out of Wedge Yard are under the authority of the Train Director, K Tower. Movements within Wedge Yard are made under the direction of the MARC supervisor on duty. Station Page Note 4 added to "C" Interlocking. WT Station Page, revised.

37) Starting Trains

The Starting Light System is removed from service and new procedures implemented for departing station. SI 36-W3, replaced in entirety.

38) Power Assisted Manual Switch

No. 826 turnout in West Storage Lead leading to Short Leg of Wye is a "Hydra" power-assisted manual switch . SI 104-W2, revised.

MAIN LINE - PHILADELPHIA TO HARRISBURG

39) Bryn Mawr Interlocking: Dual Control Switches

The former dual controlled crossover switch from No. 2 track westbound to No. 3 track (32 Switch) has been replaced as an interlocking switch, at the same location.

No. 23 and No. 32 switches have been replaced with non-dual control switches. Station page Note 12 at Bryn Mawr deleted. New Station Page Note 13 added: Note 13: Equipped with dual control switches, except No. 23 and No. 32 switches.

40) State Interlocking

A. Tracks, Switches, and Signals: 54R and 54L signals governing movements on old 5X track and the 74RA and 74RB signals governing moves over old 73 switch are retired and out of service.

17 Spur track and 5X track have been permanently removed from service.

B. Cab Signal Testing Sections

The Cab Signal Test Loops on No. 7 and No. 8 station tracks are removed and out of service. SI 551-G1, revised.

C. AC Motor Stop Sign, Market Street Running Track

The AC Motor Stop Sign on the Market Street Running Track is relocated to 650 feet west of the 9E signal.

MULTIPLE LINE SPECIFIC SPECIAL INSTRUCTIONS

<u>Number</u>	<u>Brief Description of Change</u>
41) 37-B1, 37-N1, 37-P1 and 37-G1	Train Type B are modified to include ACS-64 locomotives.

SYSTEM SPECIAL INSTRUCTIONS

42) The following Special Instructions have been deleted, revised or added.

Number Brief Description of Change

A-S4	Books in effect updated.
L-S1	Exception added to item 4 re: number of persons permitted in cab.
1-S2	Instructions referring to Summary & Non-Summary Bulletin Orders, Supplemental Bulletin Orders, and Notices, are revised in their entirety
1-S4	Instructions regarding Supplemental Bulletin Orders that will be listed on each Dispatching Office TSRB added.
2-S1	Deleted inactive telephone number.
37-S5	Various engines, cars, SI references & notes added, revised or deleted.

Number Brief Description of Change

- 41-S6 HUD Line between CP 156 & Poughkeepsie added to item 4.
- 41-S9 Car 62091 deleted. Viewliner Inspection Car 10004 added.
- 47-S2 NYT Line F Int 771 sw added: not equipped for AC operation.
- 279-S3 Added new "Restricting" cab signal aspect.
- 561-S1 Added ACS-64 to list for Single Lite Engine Operation.
- 716-S2 Telephone and Mandatory Directives revised in entirety.
- 716-S5 eMD instructions revised to permit use for electronic delay reporting and as telephone.

HIGH SPEED TRAINSET & HHP-8 SPECIAL INSTRUCTIONS

43) The following Special Instructions have been deleted, revised or added.

Number Brief Description of Change

- 41-A1 Item 2 - Manually Disabling Tilt on Metro North Railroad deleted

44) General Order - New pages: Title, 103, 105, 106, 109-111, 114-117, 120, 121, 123, 138-140, 147, 164, 167-169, 175, 183, 184, 191, 193, 195, 204, 208, 215, 220-222, 226, 231, 232, 234, 234A, 234B, 242, 245, 257, 258, 261-265, 279-288, 290, 291, 295, 298, 319, 321, 334, 335, 343, 344 , and new pages 204A, 204B, 335A, and 335B.

Employees must examine their copy of General Order 504 to ensure that it is complete, then review the revised and new instructions.

DJ Stadtler
Vice President Operations



NORTHEAST CORRIDOR EMPLOYEE TIMETABLE

Appendix A

EMERGENCY PROCEDURES

for

NORTH RIVER, EAST RIVER, and EMPIRE TUNNELS

**Issued April 29, 2001
Revised and Reissued October 29, 2007
Reformatted and Reissued November 7, 2011**

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INTRODUCTION

This appendix contains information about the North River, East River and Empire Tunnels. It includes a description of the tunnels, methods of communication, and emergency notification and response procedures. Affected employees must familiarize themselves with these instructions, in order to ensure the safety of themselves, our guests, and other employees.

Similar instructions are included in Long Island Railroad Special Instruction 100-L-5, which applies to Long Island Railroad train and engine service who operate in the East River Tunnels.

DEFINITIONS

Emergency: For the purpose of this operating procedure, an emergency is defined as any condition which results in the loss of catenary or 3rd rail power for extended periods, derailments, smoke or fire condition which has the potential of causing injury/illness to passengers and/or employees. An emergency may also be declared by the General Superintendent or designate.

Cross Passageways: Open passageways which connect one tunnel with another. Cross passageways are protected by 2 hour self-closing fire proof doors.

Benchwalls: Elevated walking surfaces located along the sides of the tunnel walls.

Catenary System: A system of wires suspended from the ceiling of the tunnel supporting an overhead contact wire normally energized at 12,000 volts, 25 cycle, single phase alternating (AC) current.

Mile Post Markers: White signs located every 100 feet in each of the seven New York Tunnels indicate the distance from New York, Penn Station. These signs will be utilized to give the Dispatcher the approximate location when reporting problems, defects, etc.

Third Rail: An electrical conductor located alongside and above the running rail from which a sliding contact shoe attached to electrical equipment collects direct (DC) current, 750 volts.

Tunnel Portals: The entrances to the tunnels

Tunnel Shafts: Vertical structure between tunnel and street level. Shafts provide ventilation to tunnels by means of fans at grade level. Existing staircases provide access to the tunnels by emergency responders during tunnel emergencies. Tunnel shafts should not be used as an emergency exit unless specifically authorized by PSCC.

NORTH RIVER TUNNELS

Description:

The North River Tunnels, located on the west side of Penn Station, New York, consist of 2 separate tunnels, designated as the South Tube (Track No. 2) and the North Tube (Track No. 3). They are approximately 2.5 miles in length, and fall under the jurisdiction and authority of the Dispatcher at PSCC. PSCC controls "A" Interlocking at the east end and Bergen Interlocking at the west end.

The overhead catenary and 3rd rail systems extend the full length of both tunnels, and should be considered energized at all times. Bench walls also run the full length of both sides of the tunnels.

Shafts:

There are two shafts located in the North River tunnels. The Weehawken Shaft at mile post marker 1.81 is located approximately 6,000 feet east of the west end portals and is accessible from the south benchwall in the North Tube and the north benchwall in the South Tube. The 11th Avenue Shaft is located approximately 1,000 feet from the east end portals and is accessible from both benchwalls in the North Tube and the north benchwall in the South Tube.

Cross Passageways:

Cross passageways connect the North and South Tubes in 11 locations, 1 west of 11th Avenue Shaft, 1 at Weehawken Shaft and 9 west of the Weehawken Shaft. Listed below are the doors for the cross tunnel passageways west of the Weehawken Shaft, numbered from west to east, and showing status of repair:

Passageway	Status	Passageway	Status
#1, MP 2.92	Single door barricaded & out of service	#6, MP 2.41	In service
#2, MP 2.87	Out of service	#7, MP 2.24	Out of service
#3, MP 2.81	In service	#8, MP 2.06	In service
#4, MP 2.75	Out of service	#9, MP 1.89	In service
#5, MP 2.58	In service	#10, MP 0.66	In service

All Fire Safety doors for access to the cross passageways connecting the North Bench wall of the South Tube (No. 2 trk) with the South Bench wall of the North Tube (No. 3 trk), located at mile post marker 1.82 and approximately 60 feet east of mile post marker 1.82, have been removed.

Employees must familiarize themselves with passageway location numbers and must refer to the proper number when requiring cross tunnel evacuation.

NOTE: Employees must use extreme caution when standing near or walking past cross passageway openings, account very high velocity wind currents caused by trains passing in adjacent tunnels. **Employees must not use these cross passageways** until it is verified through the PSCC Train Dispatcher that no trains are operating nor authorized to operate in either track of the North River Tunnels. Evacuation of passengers through these cross passageways must not be attempted without the authorization of the Assistant Superintendent of Train Movement or designated officer.

Fire Extinguishers:

Standard 20 lb. "ABC" type portable fire extinguishers are installed at all Blue Light locations in both the North and South Tubes. These fire extinguishers are mounted on hangers, and have an orange cover that is marked "Fire Extinguisher".

A dry standpipe system for use by the Fire Department runs the entire length of both tunnel walls.

Telephone Operation:

The North River Tunnels are equipped with coaxial antennas, providing for radio communications between trains and PSCC. Some cellular phone systems may also work in the tunnels.

Communications Safety Stations are located on the tunnel walls at intervals not exceeding 400 feet, staggered on each side of the tunnel. They are identified by a blue light and a reflective decal representing a telephone handset. The Communications Safety Stations have the following features:

- Telephone
- Public Address
- Third Rail Disconnect*

***Note:** The Third Rail Disconnect buttons are currently not in service; the Power Director must be notified when necessary to de-energize the third rail.

(See diagram on page 14 of this Appendix.)

EAST RIVER TUNNELS

Description:

The East River Tunnels, located between JO/C interlockings at the west end and F interlocking at the east end, consist of 4 separate tunnels, designated Line 1 (Track No. 1), Line 2 (Track No. 2), Line 3 (Track No. 3), and Line 4 (Track No. 4). They are approximately 2½ miles in length, and fall under the jurisdiction and authority of the Dispatcher PSCC.

The overhead catenary and 3rd rail systems extend the full length of all 4 tunnels, and should be considered energized at all times. Bench walls also run the full length of both sides of the tunnels.

Shafts:

There are 2 shafts located in the East River Tunnels. The First Avenue Shaft at mile post marker 1.14 is located at the western portion of each tunnel, approximately 4,900 feet from the west portals. The Long Island City shafts are located at mile post marker 1.89 in the eastern portion of the tunnels, approximately 3,800 feet from the east portals.

All exit staircases are accessible from the benchwalls at First Avenue. However, they are single width, spiral staircases and are not suitable to be utilized as a prime means of egress. Every effort must be made to evacuate passengers via cross passageways, train transfers or exit through the tunnel portals.

As part of the Long Island City Shaft rehabilitation project, metal structures are erected along both benchwalls on all tracks, commencing at a point approximately 15 feet west of the Long Island City Shaft, and extending east approximately 30 feet. These metal structures are about 6 inches from the edge of the benchwall, resulting in close clearance conditions. "Close Clearance" signs are posted, and employees must use caution in these areas to avoid injury. Within the metal structures the following are accessible and in service:

- a. **Inner** benchwalls on all tracks.
- b. Cross passageways between Track Nos. 1 & 2 (Lines 1 & 2) and Track Nos. 3 & 4 (Lines 3 & 4).
- c. New stairway located within cross passageway between Track Nos. 1 & 2 (Lines 1 & 2).
- d. New stairway located within the cross passageway between Track Nos. 3 & 4 (Lines 3 & 4).

NOTE: "EXIT" signs are installed at locations that provide access to stairways, and "NO ENTRY" signs are placed at locations that are *not* accessible. Portions of the benchwalls are painted yellow, and other signs and directional arrows are installed to assist employees and emergency response personnel in locating doors, cross passageways and emergency staircases.

Cross Passageways:

Cross passageways connect Line 1 with Line 2, and Line 3 with Line 4 at six locations. There are 4 cross passageways west of First Avenue Shaft, one at First

Avenue Shaft and one at Long Island City Shaft. Cross passageways are identified by nearest mile post marker, as indicated on tunnel doors.

NOTE: Employees must use extreme caution when standing near or walking past cross passageway openings, account very high velocity wind currents caused by trains passing in adjacent tunnels. **Employees must not use these cross passageways** until it is verified through the PSCC Train Dispatcher that no trains are operating nor authorized to operate on the track in the adjoining East River Tunnel. Evacuation of passengers through these cross passageways must not be attempted without the authorization of the Assistant Superintendent of Train Movement or designated officer.

Fire Extinguishers:

Stationary dry chemical fire extinguishers for use by Fire Department personnel or trained employees are located on the north bench wall of Lines 1 & 3, and the south benchwall of Lines 2 & 4. Information on the use of these fire extinguishers is located at the end of this appendix.

Dry standpipe systems for use by the Fire Department are located at each shaft.

Telephone Communications:

The East River Tunnels are equipped with coaxial antennas, providing for radio communications between the trains and PSCC. Some cellular phone systems may also work in the tunnels.

Communication Safety Stations are located on the tunnel walls at intervals not exceeding 400 feet, staggered on each side of the tunnel. They are identified by a blue light and a reflective decal representing a telephone handset. The Communication Safety Stations have the following features:

- Telephone
- Third Rail Disconnect
- Public Address

(See diagram on page 14 of this Appendix.)

Telephone Operation - The Communication Safety Stations have direct telephone connections to both the PSCC Dispatcher and the Power Director, and can be used as follows:

1. To contact PSCC, press the "PUSH FOR HELP" button to have the system speed dial PSCC, then use the speaker phone or the handset to talk.
2. To contact the Power Director, open the station door, pick up the handset, push the "POWER DIRECTOR" button to have the system speed dial the Power Director, then use the handset to talk. The speaker phone cannot be used to communicate with the Power Director.

The Communications Safety Stations can also be used to access the Amtrak Telephone System (ATS). To reach New York (521) ATS exchanges, lift the telephone handset, push the "PUSH FOR DIAL TONE" button, then enter the 4 digit telephone number desired. To place an ATS call outside of the 521 exchange, lift the telephone handset, listen for dial tone, then enter 8, followed by the 7 digit ATS phone number.

Each Communications Safety Station contains a card showing the telephone number and location of the safety station, as well as the 4 digit telephone numbers of PSCC Dispatchers, Power Director, C&S Trouble Desk and Amtrak Police. Before entering the desired 4 digit number, lift the telephone handset and press the "PUSH FOR DIAL TONE" button.

Third Rail Disconnect - Employees can disconnect the third rail power in the immediate vicinity of the Communication Safety Station by **simultaneously** pushing the “POWER DIRECTOR” and “DC” buttons. This will have no effect on the overhead catenary.

Public Address (PA) - Employees can use the PA feature by pushing the “PAGE” button and using the handset to talk. This PA feature can also be utilized by the Power Director, Dispatcher and Supervisor in PSCC to broadcast information in the vicinity of the Communication Safety Station.

Strobe Lights - Strobe lights are located in various portions of the tunnels. These strobe lights can be activated by the Dispatcher in PSCC and the Power Director. When strobe lights are illuminated, maintenance personnel and those employees on standing equipment must immediately contact the PSCC Dispatcher for instructions.

EMPIRE TUNNEL

Description:

The Empire Tunnel, located between A interlocking at the south end and Empire interlocking at the north end, consists of 1 single track tunnel leading into an open top concrete “U” section at its north end, designated Track No. 2 Main. The tunnel portion is approximately 1,500 feet long and the “U” section is approximately 1,000 feet long. The overall length of 2,500 feet falls under the jurisdiction and authority of Dispatcher at PSCC.

The overhead catenary and 3rd rail systems extend the full length of the tunnel, and should be considered energized at all times. Low level bench walls also run the full length of both sides of the tunnel, just above track level.

The walls of the tunnel are color coded as follows: The south zone is marked in red with a red “S” under each light. The north zone is marked in green with a green “N” under each light.

If a train stops in the tunnel, the Engineer on the head end and the Conductor on the rear end, must immediately determine the mile post marker location of the train and radio this information to PSCC. If there is a source of smoke or fire, the location must also be given in terms of being on the north end or south end of the train.

The tunnel is equipped with a forced air ventilation system.

Communications Safety Stations like those found in the East River Tunnels are being installed in the Empire Tunnel. They will be placed in service by Bulletin Order notification.

Shaft:

The 33rd Street and 11th Avenue Shaft is located approximately 250 feet south of the north end portal and is accessible from both benchwalls.

Fire Extinguishers:

Stationary dry chemical fire extinguishers for use by Fire Department personnel or trained employees are located on the bench walls throughout the tunnels, staggered every 100 feet. Information on the use of these fire extinguishers is located at the end of this appendix.

A dry standpipe system for use by the Fire Department runs the entire length of both tunnel walls and both “U” section walls.

EMERGENCY NOTIFICATION PROCEDURES (ALL TUNNELS)

In an emergency situation, all employees must remain calm and respond in an efficient and professional manner. The following is the basic sequence of events that must be followed in an emergency.

1. Train and engine crews will communicate with each other to determine the nature of the emergency.
2. The Engineer must arrange to notify the Dispatcher at Penn Station Central Control (PSCC) via radio or the emergency phone system in the tunnel. Use the nearest mile post marker sign to report your location.
3. The LIRR Supervisor Train Movement and/or Amtrak Manager of Train Operations at PSCC will arrange to immediately notify:
 - a. Appropriate Fire Department:
New York City Fire Department (FDNY) - **Use Direct Line** or 212-999-2222
North Hudson Regional Fire & Rescue - 201-864-8000 or 201-863-6500
 - b. Amtrak Police Department - 212-630-7113
 - c. MTA Police - 212-878-1220
 - d. Amtrak Terminal Operations Center - 212-630-6466 or 212-630-6467
 - e. Amtrak Power Director - 212-630-7685 or 212-630-7684 or 212-630-7680 or 212-630-7681
 - f. LIRR Station Master's Office - **Use Direct Line** or 212-643-5093
 - g. Trouble Desk - 212-630-7651
4. The Power Director will notify qualified electric traction personnel to proceed to the location where catenary and third rail power can be de-energized and grounded as needed.
5. Terminal Operations Center will notify the following:
 - a. Amtrak Supervisor of Terminal Services - 212-630-6466 or 212-630-6467
 - b. 40 Office - 212-630-7466 or 212-630-7469
 - c. National Operations Center - 302-683-2105
 - d. SkyTel, for Code 500
6. 40 Office will notify the following:
 - a. NJ Transit (NJT) Movement Office - 201-714-2782 or 201-714-2781
 - b. Amtrak Fire Safety Manager - 212-630-7163
 - c. Amtrak Safety Department - 212-630-7249
 - d. Mechanical Forces - 212-630-7587 or 630-7639
 - e. Customer Services - 212-630-6400
7. Amtrak's Police Department will notify the following when applicable:
 - a. Appropriate Fire Department
New York City Fire Department (FDNY) - **Use Direct Line** or 212-999-2222
North Hudson Regional Fire & Rescue - 201-864-8000 or 201-863-6500
 - b. New York City Police Department - 911
 - c. New York City Medical Services - 911
 - d. LIRR Police Department - 718-558-3300
 - e. NJ TRANSIT Police Department - 800-242-0236
 - f. North Bergen Police Department - 201-867-5400 (Emergency Medical Services)
 - g. Weehawken Police Department - 201-863-7800 (Emergency Medical Services)

EMERGENCY RESPONSE PROCEDURES

PSCC Manager Operations Office:

1. The PSCC Manager Operations office is located on the 2nd floor at 400 West 31st Street, telephone number 212-630-6308. *The New York Battalion Chief should report to this location.*
2. Participation by all departments regarding rescue efforts and/or clean-up operations will be coordinated through the PSCC Manager Operations office.

Incident Command Post:

1. An Amtrak Supervisor (e.g. Trainmaster or Road Foreman) will report to the primary **Incident Command Post** at the former Taxi Stand, located off 31st Street between 7th and 8th Avenues, and act as a liaison between the railroad and the FDNY Officer in Command (OIC) to provide any required information or assistance needed during the rescue effort. *(In the event that the primary Incident Command Post is inaccessible, the Incident Commander will determine the new Command Post Location.)*

Fire or Smoke Condition on Moving Train:

1. If a fire or smoke condition develops on a moving train, the train crew must promptly and accurately assess the nature and extent of the problem, then notify the Engineer.
Note: If radio communication with the Engineer is not possible, the Conductor will notify the Engineer by sounding one short, one long, and one short (o — o) on the communicating signal appliance, if equipped.
2. The Engineer must establish and maintain radio communications with PSCC. The Engineer must provide PSCC with the train number, track/tunnel designation, and nature of the fire or smoke condition.
3. The train will be routed by the Dispatcher without delay. ***EVERY ATTEMPT MUST BE MADE TO KEEP THE TRAIN MOVING UNTIL IT HAS CLEARED THE TUNNEL.***
Note: See Special Instruction F-A1 for information regarding movement of High Speed Trainsets & HHP-8 locomotives on which a Fire Suppression System alarm has occurred.
4. The Conductor must maintain order, taking the appropriate steps to insure passenger safety, comfort and information.
5. Passengers in a car in which a fire develops must be directed to an adjacent car away from the fire as quickly as possible.
6. Any open doors must be closed as quickly as possible, and air ventilation systems shut down to prevent drawing smoke into the cars. (See instructions on page 8.)
7. When possible, the crew should attempt to extinguish the fire with the fire extinguishers on board.
8. If conditions require the train to be evacuated, follow the instructions of PSCC as to the method of evacuation to be used. Take appropriate action to ready the train and passengers. Upon arrival at the designated evacuation site, passengers are to be instructed to move in an orderly and swift manner. If the condition warrants, passengers must be instructed to leave all luggage behind.

Note: Conductor and crew must maintain calm by keeping passengers well informed as developments occur.

Fire or Smoke Condition on Disabled Train:

1. If a fire or smoke condition develops on a disabled train, the train crew must promptly and accurately assess the nature and extent of the problem, then notify the Engineer.
2. The Engineer must establish and maintain radio communications with PSCC. The Engineer must provide PSCC with the train number, track/tunnel designation, location, and nature of the fire or smoke condition.
3. The Conductor must maintain order, taking the appropriate steps to insure passenger safety, comfort and information.
4. Passengers in a car in which a fire develops must be directed to an adjacent car away from the fire as quickly as possible.
5. Any open doors must be closed as quickly as possible, and air ventilation systems shut down to prevent drawing smoke into the cars. Train ventilation system must be shut down as follows:
 - **L.I.R.R.**—Warm-up switches keyed out (off).
 - **Jersey Arrow MU**—Shut off ventilation blowers in each pair by placing AC to “OFF” position. This breaker is located above the Engineer’s seat.
 - **Amfleet**—Shut off all ventilation blowers by placing temperature control switch in “OFF” position in the electrical locker in each car.
 - **High Speed Trainset**—Train crew must shut down HVAC blowers in each car by placing emergency blower fan switch in “CUT-OUT” position. This switch is located behind a small access panel near the emergency brake valve handle. Engineer will then turn fresh air damper switch on Engineer’s overhead switch panel to “CLOSE” position (turn spring loaded switch to the right, it will then return to center). Dampers on the entire train will then remain closed for one hour. After one hour, automatic damper control will resume, and dampers may reopen automatically. Conductor or Assistant Conductor may manually close dampers one car at a time, by turning the temperature control in each car’s electric locker to the “Layover” position. This will permanently close the fresh air dampers, and turn the cooling and overhead heating systems off.
6. If fire or smoke condition exists on a locomotive, the third rail and trolley wire must be de-energized and pantograph lowered.

Note: See Special Instruction F-A1 for information regarding the operation of the Fire Suppression System that is installed on High Speed Trainsets & HHP-8 locomotives.
7. When possible, the crew should attempt to extinguish the fire with the fire extinguishers on board.
8. If the fire cannot be controlled with on-board extinguishers, and a life threatening situation exists, crews will use dry chemical fire extinguishers, mounted on the benchwalls at 100 foot intervals on the benchwall.
9. As directed by **PSCC**, the Engineer will be given instructions regarding the method of rescue (rescue train, MU push-out, pull-out, or locomotive tow). If conditions change, the Dispatcher must be notified immediately. **Note:** Refer to laminated cards.
10. If radio communication cannot be maintained, the Conductor must use the tunnel telephone system to contact the Dispatcher.

Note: If the telephone system is inoperative, and no other means of communication is available, the Conductor is responsible for making decisions. His first priority must be to insure the safety of the passengers. Calm must be maintained by providing passengers with **frequent** updates by the train crew regarding the fire conditions. ***Every effort should be made to keep the passengers on the train until rescue personnel arrive. Only in life threatening conditions should an evacuation be attempted.***

11. Upon receipt of instructions as to the rescue method to be utilized, the crew must take appropriate action to ready the train and passengers for such method.

Methods of Rescue:

Evacuation of the train is to be utilized as a last resort. Until an evacuation is actually ordered, passengers should be instructed to maintain calm and stay on the equipment.

Careful consideration must be given when attempting the following rescue efforts so as not to endanger the health and well being of the rescue train and engine crew. When conditions allow, the following rescue methods may be considered.

1. Train to Train Rescue

This method provides for a rescue train to pull ahead or behind the disabled train in the same tunnel. The train crew will be responsible to orderly evacuate the passengers from the disabled train, to the adjoining benchwalls or through the end of the train and on to the rescue equipment. The train crew should instruct passengers to be careful and to proceed as quickly as possible.

The crew on the rescue train must be instructed not to proceed into a smoke engulfed area.

If the Engineer must evacuate his train, the equipment must be left in condition to be towed. On Amtrak and NJT equipment, a full brake application must be made. The control valve must be closed and an appropriate number of hand brakes applied.

2. MU Push-Out or Pull-Out Rescue

This method is **not** recommended as a means to rescue Amfleet equipment because the truck brakes cannot be cut out in the tunnel, due to benchwalls.

This method is only to be utilized after it has been definitely determined that the train line on the disabled train is in condition to allow the train to be moved. A rescue MU train is to couple to the disabled train in the tunnel and push or pull the disabled train to the nearest tunnel portal.

While NJT Arrow and LIRR M3 MU cars have the same type of couplers, air and electrical systems are not compatible. (LIRR M7 MU car couplers are in no way compatible with LIRR M3 or NJT Jersey Arrow MU car couplers.) Air trainline cocks must be closed and electrical heads retracted before attempting to couple NJT and LIRR M3 MU equipment.

3. Locomotive Tow Rescue - Trains Other Than High Speed Trainsets

This method is **not** recommended as a means to rescue Amfleet equipment because the truck brakes cannot be cut out in the tunnel, due to benchwalls.

Utilizing a diesel locomotive or AC electric locomotive to tow the disabled train to the nearest tunnel portal, the following must be strictly adhered to when this method is used:

- a. Speed Restricted to 15 MPH.

- b. If brakes cannot be released by brake pipe pressure, cut out the truck brakes.

Note: When truck brakes are cut out, hand brakes must be applied to prevent rolling.

- c. Release hand brakes, move train to the nearest tunnel portal without delay. When possible, train crew members should be stationed at handbrakes prepared to apply them if necessary.

Compromise (Adapter) couplers for use in towing LIRR and NJT MU equipment are located in aluminum diamond plate boxes locked with Pennsylvania RR style switch lock key. These boxes are located at the east end of the following station platforms:

Platform	Tracks	Platform	Tracks	Platform	Tracks
11	20 & 21	9	17	7	13 & 14
10	18 & 19	8	15 & 16	...	...

Compromise couplers are also found in boxes at the east portals of the East River Tunnels between Lines 1 and 3 and between Lines 2 and 4, and at the east portal of the North River Tunnel between No. 2 and No. 3 tracks.

Since compromise couplers vary with equipment type, employees involved in rescue operations must make certain that the proper compromise coupler is obtained.

4. Locomotive Tow Rescue - High Speed Trainsets

Should it become necessary to tow a High Speed Trainset (HST), the instructions contained in Timetable Special Instruction 137-A1 must be followed.

5. Passenger Evacuation Rescue

When it is necessary to evacuate passengers, several considerations must be taken based on the train's location to tunnel shafts, cross passageways and portals.

- a. **Tunnel Portals:** Evacuation of passengers utilizing the benchwalls to the nearest tunnel portals when possible should be utilized.
- b. **Cross Passageways:** When the train is located in an area in which cross passageways are available, passengers should be instructed to proceed along the benchwalls and into the adjoining tunnel. **Note:** Ideally a rescue train should be instructed to proceed to the cross passageway of the adjoining tunnel, and passengers should board the train at that point.
- c. **Tunnel Shafts:** Tunnel exit shafts should **not** be utilized as a prime means of evacuation, for the following reasons:
 - 1) Smoke and fumes rise, which could create a significant hazard to passengers utilizing shafts in the immediate area.
 - 2) The shafts in the **East River Tunnels** are single width, spiral staircases.
 - 3) Use of shafts requires climbing of stairs, which could be difficult or impossible for some elderly or handicapped passengers.
 - 4) Shafts may be utilized by Rescue and Fire Department personnel, thereby rendering the shaft impassable.

Removal of Power:

If a tunnel emergency requires removal of third rail or catenary power, the following procedure must be used:

1. Notify the New York Power Director 212-630-7684 / 7685.
2. Identify yourself, give location and nature of the emergency.
3. The Power Director will remove power to the area and will direct E.T. personnel to the scene of the emergency.

Note: Removal of power by the Power Director in no way implies that catenary wires or third rail is "de-energized" or "safe". Personnel should follow procedures outlined in AMT-2.

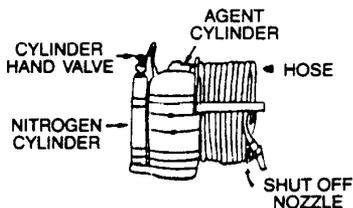
USE OF STATIONARY FIRE EXTINGUISHERS

While stationary fire extinguishers are safe to be used on any type of fire encountered in the tunnels, they are intended to be used primarily by trained Fire Department personnel. In the event that a small fire is encountered, the use of a smaller portable type fire extinguisher off of a piece of equipment car, or locomotive is **recommended**.

Stationary fire extinguishers are located on the bench walls in the East River and Empire Tunnels, approximately 100 feet apart. Each fire extinguisher is equipped with a 50 foot hose and discharges a non-toxic dry chemical agent. The fire extinguisher is rated for class A, B and C fires, thereby making it safe to be used on grease or electrical type fires.

When necessary to use a stationary fire extinguisher, the following procedures will apply:

1. Parts of the fire extinguisher.



Cylinder hand wheel valve- when opened discharges high pressure nitrogen into the agent cylinder.

Agent cylinder-contains the extinguishing agent (Monoammonium phosphate). This agent is non-toxic.

Extinguisher hose-50 foot rubber hose.

Shut off nozzle-controls the flow of the extinguishing agent. The discharge time of the fire extinguisher is 45 seconds. The extinguishing agent throw is up to 40 feet.

2. Discharging the fire extinguisher

- a. Open nitrogen cylinder hand wheel valve counterclockwise. This will properly break tamper indicator seal.



- b. Remove shutoff nozzle assembly from mount and pull hose from storage rack.

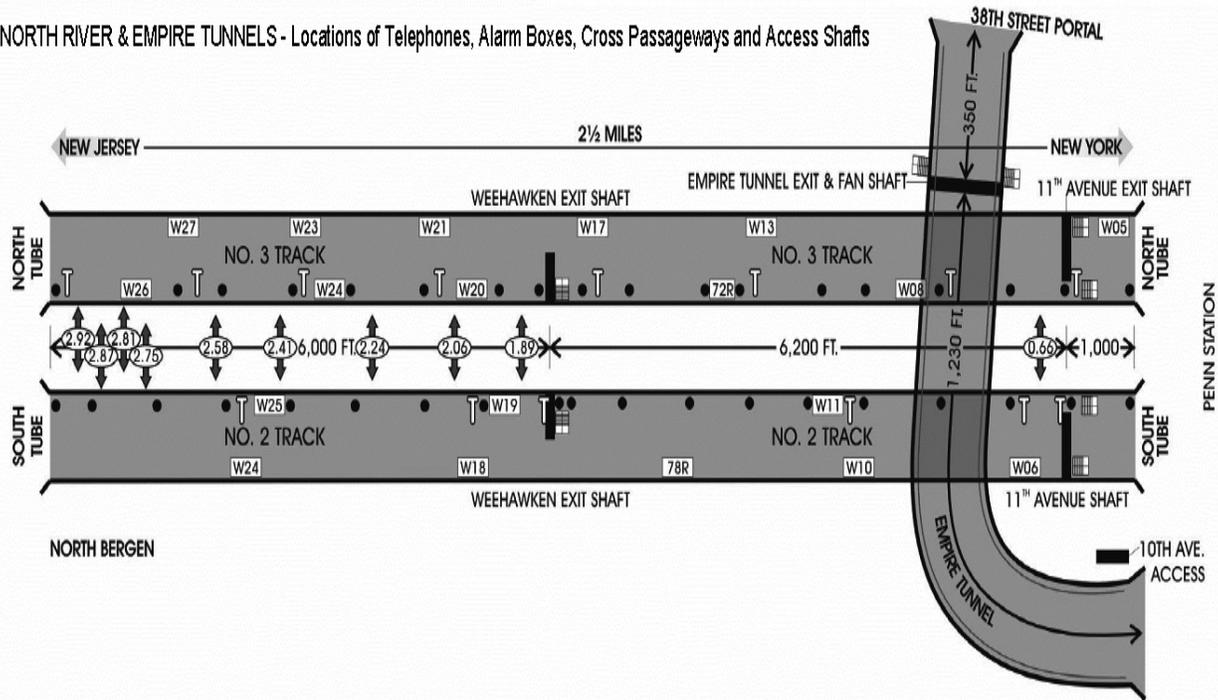


- c. Stand at least 20 feet from fire, aim nozzle at the base of near side of burning surface. Hold hose and nozzle firmly to allow for discharge recoil. Open nozzle by pulling handle toward you. **Note: Only apply agent in short spurts due to confined area.** Use a rapid side to side sweeping motion and progressively follow-up and extinguish fire.



3. Report the location(s) of the discharged fire extinguishers promptly to the C&S Trouble Desk: Bell: 212-630-7651, ATS: 521-7651

NORTH RIVER & EMPIRE TUNNELS - Locations of Telephones, Alarm Boxes, Cross Passageways and Access Shafts



A-12

Rev. 10-29-07



Note: Fire extinguishers are located at 100 feet intervals on the bench walls. Locations are staggered between the north and south bench walls.

Weehawken Shaft: On Boulevard East, in New Jersey transit Bus Parking Lot, South Side of Lincoln Tubes Administration Building.

11th Avenue Shaft: Can be Accessed Through emergency Exit at 524 33rd Street, Between 10th and 11th Avenue South Side of Street.

Emergency Phone Numbers

New Jersey North Hudson Regional Fire (201) 863-6500 or (201) 864-8000
New York FDNY Direct Line or (212) 999-2222

— DRY STANDPIPE OUTLETS @ 250 FT.

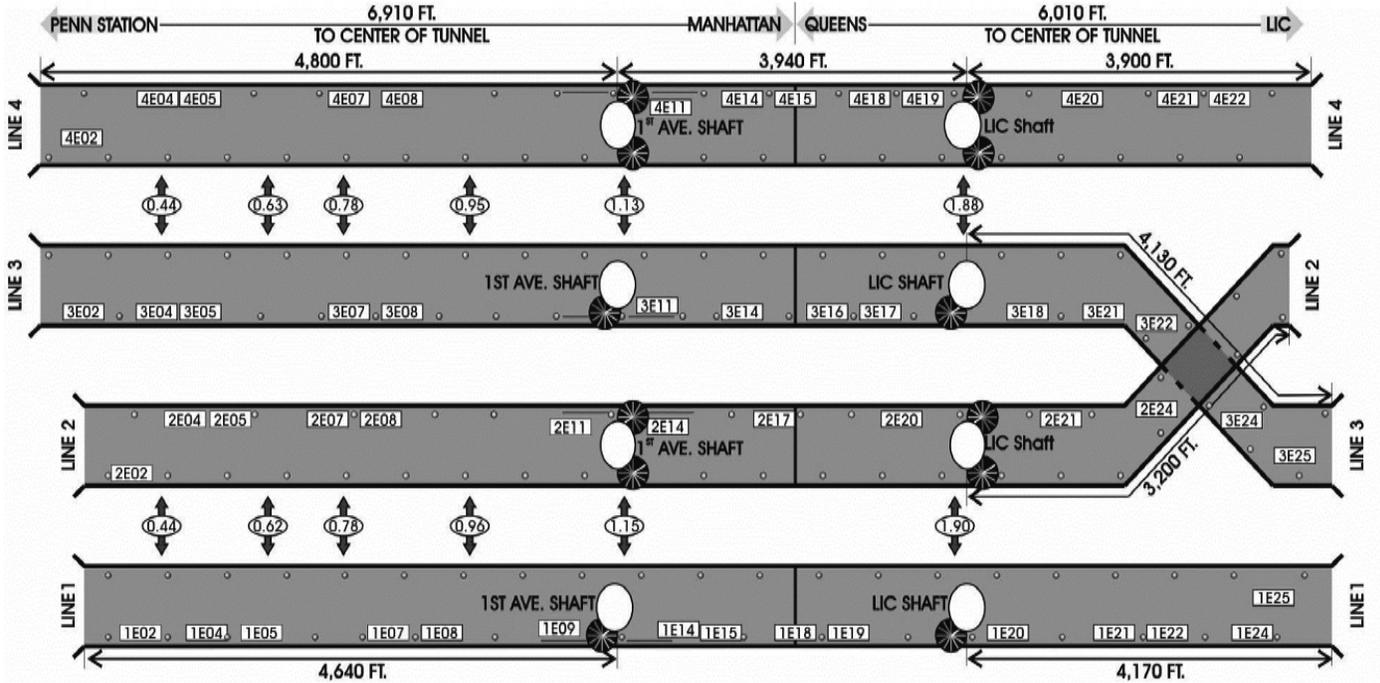
T TELEPHONE ● ALARM BOX

⬆️⬆️ SIGNAL LOCATION

↔️ 2.75 CROSS PASSAGEWAY & MP

■ SHAFT LOCATION

EAST RIVER TUNNELS - Locations of Communication Safety Stations, Cross Passageways and Access Shafts



Note: Fire extinguishers are located at 100 feet intervals on the bench walls. Locations are staggered between the north and south bench walls.

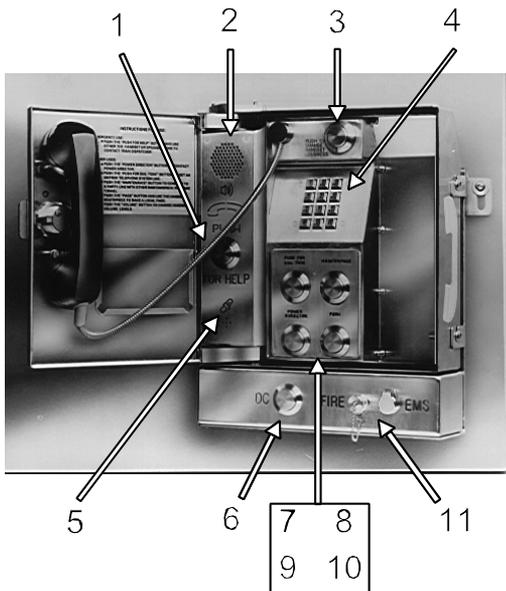
First Avenue Shafts: Lines 1 & 2 just east of corner of 1st Avenue & 33rd Street. Lines 3 & 4 between 33rd & 34th Streets on east side of 1st Avenue.

Long Island City Shafts: West side of 2nd Street between Borden Avenue and 54th Street.

Standpipes at LIC and First Avenue extend only 150 feet on bench walls in both directions.

- COMM. SAFETY STATION EVERY 400' IN EACH TUNNEL
- ⊕ SIGNAL LOCATION
- ↕ 1.88 CROSS PASSAGEWAY & MP
- ⊙ SHAFT LOCATION
- DRY STANDPIPE

COMMUNICATIONS SAFETY STATION



Communications Safety Station Components:

1. Push for help button	2. Speaker
3. Push to change handset volume	4. Keypad
5. Microphone	6. DC
7. Push for dial tone	8. Maintenance
9. Power Director	10. Page
11. Fire & EMS (for emergency personnel use only)	

