

Needham Branch (NB)

Plains (exclusive)/ Forest (exclusive) – CP Land

The Needham Branch Designation is “N.” All Line special instructions governing operations on the Needham Branch will be prefixed with the Letter N – All Mile Posts will be prefixed with the letters “BN”

	Station	MP	INT or CP	PS	DIB	Notes
<div style="border: 1px solid black; padding: 2px; width: 20px; margin: 0 auto;">E</div> <div style="text-align: center; margin: 5px 0;">↑</div> <div style="border-left: 1px solid black; border-right: 1px solid black; height: 100px; margin: 0 auto;"></div> <div style="text-align: center; margin: 5px 0;">↓</div> <div style="border: 1px solid black; padding: 2px; width: 20px; margin: 0 auto;">W</div>	Forest Hills	BN 5.0	...	X	...	...
	Dale	BN 6.0	INT	...	...	...
	Roslindale Village	BN 6.4	...	X	...	...
	Bellevue	BN 7.2	...	X	W	...
	Highland	BN 7.6	...	X	W	...
	West Roxbury	BN 8.0	...	X	W	...
	Rox (CS length is 1950 feet)	BN 8.4	INT	...	...	...
	Baker (CS length is 1950 feet)	BN 8.8	INT	...	...	...
	Hersey	BN 10.9	...	X	W	...
	Warren (CS length is 1260 feet)	BN 11.6	INT	...	...	...
	Need (CS length is 1260 feet)	BN 11.9	INT	...	...	...
	Needham Junction	BN 12.0	...	X	E	...
	Needham Center	BN 12.7	...	X	...	...
	CP-Heights	BN 13.6	CP	...	...	1
	Needham Heights	BN 13.7	...	X	...	...
CP-Land	BN 13.8	CP	...	...	1	
<ul style="list-style-type: none"> In the DIB column, Stations that are identified by E “East” W “West” are designated passenger stations where Delay in block is in effect for that direction, movements are governed by Rule 504b. <p>Note 1: Controlled Point governs Eastward Movements only – Single track</p>						

240-N1. Signal Rules and Current of Traffic

Location	Tracks Numbered North to South			
	No. 5	No. 4	Single	CS
Plains to Dale	562	...	...	...
Forest to Dale	...	562	...	...
Dale to ABS 7.0/7.1*	562	...
ABS 7.0/7.1* to Rox	261	...
Rox to Baker	261	261
Baker to Warren	261	...
Warren to Need	261	261
Need to CP Land	261	...
<p>On tracks where Rule 562 is in effect, CSS is in service for movements in both directions and Rule 261 applies.</p> <p>*Exception: At ABS 7.0/7.1 CSS is in service for movement in the East direction only.</p>				

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37-N1. Maximum Speeds and Speed Restrictions, Unless Otherwise Restricted

Locations and speeds shown in non-bold type are maximum authorized speeds. Locations and speeds shown in bold type are speed restrictions.				
PASSENGER TRAINS				
Between/At	Track			
	Single	CS	Other	Notes
Plains & Dale: No. 5 track	...	...	60	...
Forest & Dale: No. 4 track	...	...	60	...
First Cv West of Forest Hills: No. 4 & No. 5 tracks	...	...	30	B
Dale & MP BN 8.1	60	...	...	...
MP BN 8.1 & Rox	40	...	...	...
Rox & MP BN 12	60	30	...	...
Over Golf Course, Crossing MP BN 11.1	50	...	...	...
MP BN 12 & switch to East Leg of Wye MP BN 12.1	30	...	...	...
Switch to East Leg of Wye MP BN 12.1 & switch to West Leg of Wye MP BN 12.3	15	...	...	...
Switch to West Leg of Wye MP BN 12.3 & CP-Land	20	...	...	...

In the Notes column, rule 94-S3 applies in the direction noted: E (East), W (West), B (Both).

FREIGHT TRAINS				
Between/At	Track			
	Single	CS	Other	Notes
Plains & Dale: No. 4 & 5 track	...	...	40	...
First Cv West of Forest Hills: No. 4 & No. 5 tracks	...	...	25	...
Dale & MP BN 12	40	25	...	...
MP BN 12 & switch to East Leg of Wye MP BN 12.1	30	...	...	...
East Leg of Wye Sw MP BN 12.1 & West Leg of Wye Sw MP BN 12.3	10
Switch to West Leg of Wye MP 12.3 BN & CP-Land	15

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138-N1. Highway Grade Crossings

Crossing Name	MP	Type	Track	Notes
Golf Crossing	BN 11.1	PMS	Single	B
Oak St.	BN 12.5	MCO/ACO	Single	B, 2
Great Plain Ave.	BN 12.7	MCO	Single	B,1
May St.	BN 12.8	MCO	Single	B,1
Rosemary St.	BN 13.2	PMS/MCO/ACO	Single	B, 2
West St.	BN 13.6	MCO/ACO	Single	B,1, 2
<p>Engine whistle or horn signal 19(b) must not be sounded at any crossing listed except those crossings identified in the note column by the letter B (Both), E (East), W (West), indicating the direction in which the signal must be sounded. Engine horn may be sounded in case of emergency</p> <p>Note 1: These crossings are equipped with “delay clearing circuits.” The crossing protection will not activate until a train is within 100 feet of the signal. The signal will not display a proceed aspect until the crossing is operating: Signal 12.6 & Great Plain Ave. for eastward trains only. Signal 12.7 & May St. for westward trains only. Eastward controlled signal at CP Heights & West St. for eastward trains only.</p> <p>Note 2: 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.</p>				

500-N1. Switches Equipped with Electric Locks

The following hand-operated switches are equipped with an electric lock

Location	Track	Switch
MP BN 12.1	Single	East Leg of Wye
MP BN 12.3	Single	West Leg of Wye

40-N1. Six-Axle Restriction

Six-axle locomotives are prohibited on the single track between switch to East leg of Wye MP BN 12.1 and switch to West leg of Wye MP BN 12.3.

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