

Method of Control	Number of Tracks	YALE SUBDIVISION W ↓ PACIFIC TIME ↑ E	Mile	Siding Capacity in Feet	DOB / TGBO	Switching Zones	Hot Box and Dragging Equipment Detectors	RTC Radio Channel, Tones and DTMF Codes
CTC	1	BOSTON BAR	0.0		0.0 ↑	0.0 ↑		CT T1 5083
		BOSTON BAR WEST	1.3			↓	1.7	
		HICKS	3.1				3.7	
		KOMO	10.2	6040				
		STOUT	18.3					
		YALE	26.7	6030				
		TRAFALGAR	36.0					
		HOPE	40.2	Y				
		FLOODS	44.0	6030				
		CHEAM VIEW	54.1					
		ROSEDALE	65.9	5930				
	CHILLIWACK	71.8						
	ARNOLD	76.5	8360					
	SUMAS MTN	86.7			84.0 ↓			
	+	2	MATSQUI	87.4		84.0 ↑		
MATSQUI JCT Connecting Track with CPR			87.9					
PAGE Jct with CPR		89.8						
ABRAHAMSON		90.9						
1		GLEN VALLEY	94.5			94.0 ↑		
2	HYDRO Jct with Rawlison Sub	101.7						
	HAMPTON	110.7						
1	DOUGLAS ISLAND		112.6					
	MACDONALD	113.8			113.8 ↓	113.8 ↓		
M of W Channels 0.0 - 9.0 (Ch 82 - -2871) 9.0 - 41.5 (Ch81 - 2872) 41.5 - 76.0 (Ch 82 - 2873) 76.0 - 102.0 (Ch 81 - 2874) 102.0 - 113.8 (Ch 82- 2875)								

1 SIDING CONTROL TERRITORY

2 RTC II ADVANCED TRAIN CONTROL FEATURES

3 BOSTON BAR

- (a) **Rule 104.5** - Self-Restoring Derail. Located at Boston Bar West, Mile 1.3 (DTMF code *337)
- (b) **Rule 105(a)** - Applicable on all yard tracks
- (c) All movements must contact RTC for yarding instructions.

3 CHILLIWACK

- (a) **Rule 104.5(c)** - Exception Derail located (50) ft. east of signal 719D,
- (b) Switch leading to interchange track at west end of Track YG01 must not be lined for movement to or

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from the SRY Interchange Track YG98 until permission has been obtained from the RTC. When the switch is lined for movement to or from the SRY Interchange Track YG98, Signal 719D will display a Restricting Signal indication continuously. This switch must remain lined for the interchange track while any portion of the movement is occupying the track between Signal 719D and the Block End sign located on the interchange track. Movements from interchange track to Track YG01 must not pass Block End sign until the hand operated switch has been properly lined.

4 MATSQUI

Connecting Track with CP Mission Sub.

CTC Applicable

RTC II Advanced Train Control Features - Applicable.

TGBO /DOB Applicable.

Speed 15 mph.

5 HAMPTON

Switching signals : 1106D, 1105S

6 DOUGLAS ISLAND**(a) Switching signals**

MacDonald: 1139, 1140, 1140D and

Douglas Island: 1125S, 1125D,
1125N, 1126D, 1128D-2

(b) Vancouver Intermodal Terminal (VIT) - A crew required to switch over the control plant on the VIT lead at Douglas Island must contact the east Yard Coordinator who in turn will contact the Yale Sub. RTC and request the switching signal for the crew. The crew will be required to notify the Traffic Coordinator when all switching movements have been completed. The Traffic Coordinator in turn will contact the Yale Sub. RTC to cancel such switching signal.

(c) Thornton yard - Eastbound trains calling the RTC for departure or double over at Thornton Yard will use the following tone:

CN Channel 2, (AAR code 7373) DTMF *5705#.

7 APPLICABLE ON SUBDIVISION**(a) Signalled Siding - Arnold**

(b) Trains handling cars exceeding 268,000 lbs. must not exceed 50 mph.

(c) Employees operating west of Hampton Greater Vancouver Terminal Operating Manual in effect.

(d) Rule 14(I) - Bridge Mile 39.76 - must be sounded from whistle post located 700 feet on either side of the bridge until bridge fully occupied.

Private Crossings Mile 82.46 and 99.99 - must be sounded from one quarter mile until crossing fully occupied.

(e) Anti-Whistling - Except in emergency, Rule 14(I) not applicable at public crossings at grade:

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Mile 40.05	Mile 40.43	Mile 43.90
Mile 70.33	Mile 71.13	Mile 71.94
Mile 102.92	Mile 103.55	Mile 104.77
Mile 105.08	Mile 106.13	Mile 106.91

- (f) **Rule 102** - Black bar in station column indicates area where Rule 102 application would affect a foreign railway.
- (g) **Rule 104.2** - Moveable Point Frogs
Mile 86.7 Sumas Mountain, Mile 91.0 Abrahamson and Mile 94.5 Glen Valley - Trains and engines required to operate through dual control switches in hand operation at these locations must also operate the switch mechanism connected to the moveable point frogs in hand operation to ensure the frog is properly lined for the intended movement.
- (h) **Rule 105(a)** - Applicable on all trackage where Rule 105 applies, except sidings, between Boston Bar and Macdonald.
- (i) **Mile 88.1 - Railway Crossing at Grade**
(CPR Mission Sub) Automatic. Rule 564 and Rule 611 applicable.
Exception: Westward movements to Mission Sub. via connecting track stopped by a stop signal must comply with Rule 564, Rule 611 not applicable.
RTC must be contacted before opening the switch in the box marked Switches.

8 WAYSIDE INSPECTIONS SYSTEMS**Hazard Warning System**

Mile	Feet
5.25 to 5.4	800
6.95 to 7.11	850
8.10 to 8.25	780
8.51 to 8.7	1025
8.88 to 8.92	210
11.24 to 11.35	600
20.28 to 20.76	2565
20.77 to 21.00	1218
21.10 to 21.54	2350
22.27 to 22.35	400
22.49 to 22.59	500
23.44 to 23.70	1040
24.74 to 24.99	1300
91.48 to 91.52	400
91.90 to 92.68	1100
92.68 to 93.93	6500
94.22 to 94.53	1640

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9 Speed Charts

- (a) TOB - tons per operative brake will be indicated on WOPRT or train journal.
- (b) Zone speed signs will indicate speeds for passenger and unrestricted freight trains only.
- (c) * When a speed is indicated for a signal location, it is applicable approaching that signal until it can be determined that such signal is displaying a more favorable indication than CLEAR TO STOP.

Westward					
Mile		Frt under 80 TOB	Frt 80 TOB or more	Frt 100 TOB & 8000 ft or longer	Psg
0.0 - 10.9	ZONE	25	25	25	30
10.9 - 15.6	ZONE	30	30	30	35
15.6 - 24.9	ZONE	25	25	25	30
24.9 - 27.0	ZONE	35	35	35	40
27.0 - 30.5	ZONE	45	45	45	45
30.5 - 41.0	ZONE	40	40	40	40
39.5 - 40.0	PSO	35	35	35	
41.0 - 45.7	ZONE	50	50	50	55
41.0 - 44.3	LOADED CP COAL TRAINS 30 MPH				
	LOADED CN COAL TRAINS 35 MPH				
45.7 - 52.2	ZONE	55	55	55	55
52.2 - 57.1	ZONE	30	30	30	35
57.1 - 63.3	ZONE	45	45	45	45
61.5 - 61.7	PSO	35	35	35	35
61.7 - 63.3	PSO				45
63.3 - 74.4	ZONE	65	65	65	70
71.92	SIGNAL 719				50*
73.78	SIGNAL 737				55*
74.4 - 77.6	ZONE	50	50	50	50
ARNOLD SIDING		30	30	30	
77.6 - 80.0	ZONE	45	45	45	50
80.0 - 81.6	ZONE	25	25	25	30
81.6 - 84.6	ZONE	40	40	40	45
84.6 - 90.0	ZONE	55	55	55	55
88.1	INTERLOCKING 35 MPH OVER CROSSING				
90.0 - 94.2	ZONE	40	40	40	45
94.2 - 100.0	ZONE	60	60	60	65
94.2 - 94.5	PSO	35	35	35	35
100.0 - 100.5	ZONE	45	45	45	50
100.5 - 113.8	ZONE	50	50	50	50

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EASTWARD					
Mile		Frt under 80 TOB	Frt 80 TOB or more	Frt 100 TOB & 8000 ft or longer	Psg
113.8 - 100.5	ZONE	50	50	50	50
100.5 - 100.0	ZONE	45	45	45	50
100.0 - 94.2	ZONE	60	60	60	65
94.5 - 94.2	PSO	35	35	35	35
94.2 - 90.0	ZONE	40	40	40	45
90.0 - 84.6	ZONE	55	55	55	55
88.1	INTERLOCKING	35 MPH OVER CROSSING			
84.6 - 81.6	ZONE	40	40	40	45
81.6 - 80.0	ZONE	25	25	25	30
80.0 - 77.6	ZONE	45	45	45	50
77.6 - 74.4	ZONE	50	50	50	50
ARNOLD SIDING	PSO	30	30	30	30
74.4 - 63.3	ZONE	65	65	65	70
73.78	SIGNAL 737				55*
71.92	SIGNAL 719				50*
63.3 - 57.1	ZONE	45	45	45	45
63.3 - 61.7	PSO				45
61.7 - 61.5	PSO	35	35	35	35
57.1 - 52.2	ZONE	30	30	30	35
52.2 - 45.7	ZONE	55	55	55	55
45.6 - 41.0	ZONE	50	50	50	55
41.0 - 44.3	LOADED CP COAL TRAINS	30 MPH			
	LOADED CN COAL TRAINS	35 MPH			
41.0 - 30.5	ZONE	40	40	40	40
40.0 - 39.5	PSO	35	35	35	35
30.5 - 27.0	ZONE	45	45	45	45
27.0 - 24.9	ZONE	35	35	35	40
24.9 - 15.6	ZONE	25	25	25	30
15.6 - 10.9	ZONE	30	30	30	35
10.9 - 0.0	ZONE	25	25	25	30

9 PUBLIC CROSSINGS AT GRADE

- (a) **Mile 43.9 (Airport Road)** - AWD: Rule 103.1(c) not applicable.
- (b) **Mile 47.75 (St. Elmo Road)** - AWD : Movements proceeding at 10 mph or less within 2470 feet of crossing must not obstruct crossing until automatic protection has been in operation for at least 20 seconds.
- (c) **Mile 71.94 (Young Street)** - AWD: Westward movements stopping at signal 719 must stop at least 150 feet east of signal.

Eastward movements approaching from Southern Railway must not exceed 5 mph until crossing occupied.

- (d) **Mile 102.92** - AWD: Movements governed by Rule 103.1 (b) must use the DTMF crossing activator system.

DTMF Channel 1:

Activate 1029211# North track
1029210# South track
Deactivate 1029221# North track
1029220# South track

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There is a delay of 24 seconds before the warning devices start due to interconnection with traffic signals. The warning devices will operate for 23 secs before the lunar light will illuminate indicating that it is okay for the train to proceed onto the crossing. The crossing's circuit **MUST** be occupied within three minutes, if the movement fails to occupy the crossing circuits, the warning devices will deactivate. A lunar light is located west of crossing and will illuminate when the warning devices have been operating for the required time.

Movements must occupy crossing surface within 2 minutes of the lunar light illuminating or repeat DTMF transmission.

When a movement is delayed the warning devices are to be deactivated.

10 SPECIAL INSTRUCTIONS APPLICABLE ON SPURS AND OTHER TRACKS

(a) **Mile 40.2 - Hope** - Tracks YF 22, YF 28 and YF 29. Capacity 3450. Points face west. Tracks YF 28, and YF 29, north of Track YF 22 are restricted as follows: Six axle units are prohibited. All other units are restricted to single unit consists only.

(b) **Mile 54.1 - Cheamview** - Track YF 37. Capacity 400 feet. points face West.

(c) **Mile 107.5 - Langley Industrial Park Lead (South Track)** - Extends 5980 feet southward. Switch points face east.

Public Crossings at Grade

Mile 0.44 (96th Ave)

Mile 1.14 (92A Ave)

Equipped with stop signs. White indicator light mounted on signal housing when lighted indicates that crossing protection is on effect. If light fails to illuminate, movements over crossing must be manually protected in accordance with Rule 103 (g).

11 SPECIAL DANGEROUS COMMODITIES

(a) Westward movements must be inspected at Mile 84.9 and Mile 105.2.

(b) Westward movements, unless inspected at Mile 58.2, must not exceed 35 MPH between Mile 66.0 and Mile 79.0.

(c) Eastward movements, unless inspected at Mile 105.2, must not exceed 35 MPH between Mile 90.0 and Mile 85.0.

(d) Eastward movements, unless inspected at Mile 84.9, must not exceed 35 MPH between Mile 79.0 and Mile 66.0

(e) All movements must not exceed 35 MPH between mile 97.0 and mile 113.8.