GREAT NORTHERN RAILWAY



CASCADE DIVISION.



TIME

AB

E No. 11

TO TAKE E

WELVE-ONE PACIFIC TIME LOCK A. M

SUNDAY!

TOB

1. 1922

Super

e No. 10 and all

thereto.

THIS TIME TABLE IS FOR THE US

PLOYES ONLY.

C. McDONOUGH, Superintendent.

A. L. BERGFELD, General Supt. of Transportation.
W. R. SMITH, General Superintendent.

J. H. O'NEILL, General Manager.

2	WESTWARD.					FIKSI :	POR-I	DIV	1510	N-V	ENATCHEE TO EVERET	1)	UNC	TI	ON.			E	STWAR	D.	
		FIRS	T CLASS				Capacit of Bide Track	,			Time Table No. 11							FIRST	CLASS		
	1	39	297	285	3	27	Track	-		from	Effective OCT. 1, 1922	1	1 0	2	SIGNS	40	4	300 (N. P. 442)	286	2	28
	Passenger	Passenger	N. P. 441 Passenger	Passenger	Passenger	Fact Mail	Tracks		Station	Distance fro Wenatchee.		1		1		Passenger	Pamenger	Passenger	Passenger	Passenger	Express
	Daily	Daily Ex. Sunday	Daily	Daily Ex Sunday	Daily	Daily	Tr.	1	Nan	WE	STATIONS	1	1	E .		Daily Ex Sunday	Daily	Daily	Daily Es Sunday	Daily	Daily
	L 12-55m	I. 12-20m			L 1.304m	L 12-55An	e87 w87 8	322 1	1648	0.0	WENATCHEE	1	C 132	.1.	DN WO TP				77 (444)		
	1.10	11235			1.43	1.07			1655	7.4	7.4 MONITOR	-	1125	-	# DA WO 1P	A 7.20An	A 3.25hn			A 2.15Am	A 4.054
	1.18	*1248			1 1 55	1.13	-97	_	1659	11.0	CASHMERE	-	M 121	-	DN W P	7.05	3.12			2.02	3.52
	1.30	1.00			2.05	1.21			1664	15.7	DRVDEN	-	117	-	DN W P	* 6.57	* 3.06			1.55	3.46
	1.40	1.13			2.13	1.32			1667	19.2	PESHASTIN T	-	111		D P	1 6.46	2.56			1.42	3.37
	2.00	A 130mm			. 2.35	1.45	-		1671	23.2	PESHASTIN TO MALE AND THE AUGUST AND THE AUGUST AUG	-	B 100	-	& DN WCTVOP	-				1.32	3-30
	210				245	1 53	76	_	1674	26.4	TUMWATER	-	A 110e	-	w on wellor	L 6.30kg	• 242			118	323
	220				25 2 55	1.59	"		1677	29.5		-	Y 100	-			2 28			1.04	3 05
	1 2 30		1		307	207		_	1681	33.7	CHIWAUKUM	-	Y 9		DN W P		development of the later com-			1256	2 55
	1 2 37				3.14	213			1684	36.2		-	v1 90	-	DN W P	-	1 9 10			1247	2 42
	1 2.46				3.23	2.20	77		1688	40.7	NASON CREEK	1		3 0			1 1.55			1241	2 35
	• 2.53				• 3.32	2.25	≈70 ₩76		1691	43.7	MERRITT			9 0	DN W Y P	-	1 148			12 30	2.20
	3.10				3.47	241	80		1696	48.1	OAYNOR	-		. 6	D		1.39			1224	2 12
	3.19				3.55	249	+77 WR4		1699	51.2	BERNE	-	R	-	w p		-			1914	3 03
	• 3.35				· 4·20	• 3.10	au2		1703	85.5	ES CASCADE TUNNEL	-	N 7	-	R DN WCT P		1 31			1206te	1 54
	• 3.47				1 4.35	. 322		-	1706	59.1	ZISS TY			3.6	DN WC P		• 103			•11.65	* 1-44
	3.57	1			4.45	3 30		-	1710	62.7	3.6 BMRPO	-		0.0						•11-38	- 1 27
	4.05				4.53	3.37	-		1713	65.4	COREA			7 3	DN W P		1250			11.19	1.10
	1 4 15				1 5.02	3.45	76		1716	68.4	SCENIC	-		4 8	DN W P		1240			11.08	1.00
	1 4.24		-		1 512	3 63	79		1719	71.5	ALPINE	1-		1 2	D W P		*12.95			*10.60	•12.45
	4 3 3				521	401	_	12		75.0	11	-		7 7	P		112 15 112 03hm			10 40	12.35
				L 6.50km					1728		SKYKOMISH	-		-	<u>-</u>						12 23
	* 4.50 5.00			1 7 00	5.50	• 4.15	76		1732	80.2	OPOTTO I	-		2 0 1	RE DAMC Y P		•11 45		A 6 00m	•10 10	*12.054
	510	1		• 712	600	4 22	86	_	1737	89.3				3 4	Р.		11 32		1 5 49	9.55	11 50
	2×6 • 5 21			. 724	611	4 30	74		1742	94.4	HALPPEN C	-		A 3	0N P		11.24		- 5 37	945	11 40
	531			1 735	6.21	4 39	N2		1747	99.5	Reiries ×	-		2 2	W P		•11 10		. 521	9 33	11 28
	640	-	-	. 744	6.29	455	-		1781	103.2	GOLD BAR	-			DN C Y P		10.54		1 5 0 5	921	_11 16
	5.45	1		• 7.50	6.32	4.59	100		1788	105.6	STARTUP &	1		7 1	IN C Y P		10 45		• 4 55	913	_11 08
	• 5.52			• 759	6.39	5.06	77		1757	109.0	sui tan	_		3 7	0 0				. 445	9 09	11 04
	• 6-10			· B16	• 657	6 22	104	_	1784	116.5	MONTOR	-	-	A 2	DN W YKP		•10 30		4 38	903	_10 56
	• 695		L 430m	. 833	. 7.13	5.36	-		1771	123.4	ENOHOM ISH		-	0 3	DA W V K P		•1012 • 958	A 350m	- 425	• 847	-10 42
	6.37		A 440%		7.23	545	78		1777	120.2	LOWILL	-	-		R DN K P	THILL	946	L 3.40h	• 4.10	• 8.32 8.21	10.16
	6.40			1 8 48	7.26	5.47	_	140	-	130.8	PACIPIC AVENUE	1	_	1.9	DN P		943	2 3.40m	• 3.55	8.18	10.13
	• 6.53			. 8.52	• 7.37	• 6.02			1779	131.9	Name of the state	-		0.8	K P		• 940		• 3.50	• B.15	*10.10
	A 6.55A			A 8.554a	A 7.40km	A 6.05A	1		1780	132.7	BVERETT JUNCTION	- -	_	0.0	R DN P		L 9.30m		L 3.35Am	L 8.10m	L 10.00
	0.00			5.004	7.40	U.00A	90	1067	CL2	132.5	VIA N. P. Ry. DELTA		PG	-	Re DAWCTYOKP		9.304		3.35Mm	M. TOPIN	10.00
	Daily	Daily Ex. Sunday	Daily	Ex Sunday	Dally	Daily						- -	-	T		Daily Ex. Sunday	Deily	Daily	Dany Ra Sunday	Daily	Daily
	1	39	297	285	3	27						-		-1		40	4	300	286	2	28
	6.00	1 10 20 0	35.0	25 0	6 10 21 6	\$ 10 25.6					Time Over Subdivision					28.0	6 05 22 0	34.0	2 75	6.05 22.0	5 55 22 3

INITIAL STATIONS: Wenatchee for trains Nos. 1, 3, 27 and 39. Everett Jct. for trains Nos. 2, 4, 28 and 286. Skykomish for train No. 285.

Leavenworth for train No. 40. Snohomish for No. 297. Lowell for No. 300. TERMINAL STATIONS:
Wenatchee for trains Nos. 2, 4, 28 and 40
Skykomish for train No. 286.
Everett Jct. for trains 1, 3, 27 and 285.

Leavenworth for train No. 39. Lowell for No. 297. Snohomish for No. 300. Westward trains are superior to eastward trains of the same class.

No. 27 is superior to all other trains. Opposing first class trains will clear No. 27 five (5) minutes. Other opposing trains will clear No. 27 ten(10) minutes.

All westward trains must be clear at the time No. 27 is due to leave the next station in the rear where time is shown, and not less than five (5) minutes.

Bulletin boards are located at Wenatchee, Cascade Tunnel, Skykomish and Delta.

Read carefully rules covering operation electric staff block, pages 14 and 15.

Electric train staff block system between Everett Jct. and Pacific Avenue and between Tye and Cascade Tunnel. Automatic block signals in operation between Pacific Avenue and Tye and between Cascade Tunnel-

Maximum speed for passenger trains between Wenatchee and Skykomish 35 miles per hour, through Cascade Tunnel 20 miles per hour, between Skykomish and Gold Bar 40 miles per hour, between Gold Bar and Pacific Avenue

J engines will not exceed speed of forty (40) miles per hour.

L-1, L-2 and M-2 engines will not exceed speed of 25 miles per hour.

F-7, 8 and 9 engines will not exceed speed of 30 miles per hour.

O-1 and P-1 engines will not exceed speed of 30 miles per hour between Skykomish and Gold Bar.

L-1, L-2, "O" or "P" class engines must not be double headed over bridges 401 and 418 with larger than F-5 en-

Engines heavier than F class must not exceed speed of ten (10) miles per hour over bridge 424 over Skykomish River 34 miles east of Grotto

Class O-3 engines are prohibited on first Subdivision.

No train will exceed speed of 25 miles per hour on curves of 8 degrees or over, 30 miles per hour on 6 and 7 degree curves, 35 miles per hour on 5 degree curves and 40 miles per hour on 4 degree curves.

Troop trains handling freight cars must not exceed speed of 25 miles per hour.

Trains handling cars loaded with logs which are not secured by chains, must not exceed a speed of twenty miles

On descending grades of 1.8 per cent and greater, the maximum speed for freight trains must not exceed 15 miles per hour, and on less than 1.8 per cent descending grade to a 1 per cent grade, the speed must not exceed 25 miles per

hour, live stock and fruit trains excepted. On a 1 per cent grade and less, 30 miles per hour will be the limit. It must be understood that the above is maximum speed for freight trains, and that this maximum speed will not be made where track conditions will not warrant, which are regulated by slow orders.

All trains reduce speed to fifteen (15) miles per hour between slow boards located east and west of Rock Bluffs, one and one-half (114) miles west of Cashmere and not exceed speed of twenty-five (25) miles per hour over main street crossing Cashmere.

All trains reduce speed to 8 miles per hour through Martin Creek tunnel, and over bridges at both ends.

All trains reduce speed to 10 miles per hour over Bridge 419 one and one-half miles west of Tonga.

Passenger trains reduce speed to 25 miles per hour and freight trains to 15 miles per hour through city limits of

All trains will reduce speed to 8 miles per hour crossing draw span, bridge 455 over Snohomish River, Snohomish

All trains reduce speed to 10 miles per hour over crossing just east Pacific Avenue freight depot. Pacific Avenue passing track is the track known as the "C" line on north side of main line. No engine heavier

than an F-5 should go in on any of the yard tracks on south side of main line

Additional to other required tests of the air brake, no train will leave Cascade Tunnel until the air brakes have been carefully tested. Engineer will set the brakes and leave them set until carmen examine each car, then release them, and carmen will again examine each car and see that brakes release before giving the signal to start the train. Conductors must inform engineer how many cars loaded and empty in the train, and how many cars of "air" are working.

All retainers must be used from Cascade Tunnel to Merritt, from Winton to Leavenworth, and from Cascade

Trainmen will keep off top of cars while passing through Cascade Tunnel and through concrete snow shed just west of Tve.

LOCATION OF DISPATCHERS, TELEPHONE BETWEEN STATIONS.

60 ft. west of west switch westward passing track Tye; north side of track.

60 ft. east of eastward distant signal Tye, south side of track.

2000 ft. west of west portal Windy Point Tunnel 13; south side of track.

In watchmen's shack west of tunnel 14.

315 it. from cast end of second shed east of Scenic; north side of track.
In middle of first shed east of Chiwaukum. At all Home block signals between Skykomish and Leavenworth.

Trains are operated between a block post, 125 feet west of the east crossover switch Cascade Tunnel and the safety switch west end depot at Tye, by a train staff block system. No train or engine will be run in either direction between the limits mentioned unless train engineman and the engineman of helper engine each has in his possession a section of a staff which will be handed to them by operators and will be retained by them until entire train has cleared block, then sections of staff must be handed to operator. When no helper engine is used, or when any cars behind helper, conductor or brakeman located on rear of train must be in possession of one-half of the staff.

All westward trains using main line will not foul tunnel block at Cascade Tunnel without first receiving a proceed signal from the operator which will be given with a yellow flag by day and a yellow light by night which will permit them to proceed to the block office only. Westward trains will call for signal approaching the cross-over.

Only one train is permitted to enter or use the block at the same time.

All eastward trains will approach the east end of the concrete shed at Tye under absolute control and will not pass the fouling point of the passing track unless signalled to do so by the Tunnel conductor.

Switch to safety track located at west end Tye depot. Switch must be kept set and locked for safety track. All trains must come to full stop before reaching safety switch and send a brakeman shead to set switch for main track. After train has passed over, switch must be reset and locked for safety track by operator.

Local freight trains between Skykomish and Delta will carry male adult passengers, when provided with proper

All westward freight trains must stop 15 minutes at Sconic to cool wheels, when Conductor and Brakeman must examine train carefully to discover cracked or broken wheels.

Miller River, Baring and Heybrooks spur will be flag stops for trains 285 and 286.

No. 2 will stop at stations between Skykomish and Leavenworth for passengers for Twin Cities and east.

Nos. 3 and 4 will stop at Nason Creek and Winton to receive or discharge parcel post mail on request of postal

Except when displaying signals for following sections, all first class trains will register by card at Snohomish, Lowell and Everett Jet.

Freight trains will use N. P. tracks between Lowell and Delta and will be governed by N. P. time table and rules between these points.

At Snohomish all N. P. trains will enter and leave G. N. main line through cross-over.

At Lowell all eastward trains from N. P. connection, and first class westward trains for N. P. connection, will run through cross-over. All westward second and inferior class trains for N. P. connection will enter passing track at east switch

Interlocking plant at bridge 455 just east of Snohomish. No distant signals. Home signals are located 550 feet each way from draw span; derails 55 feet in advance of Home signals.

Yard limit boards are placed each way from Gold Bar and Skykomish, east from Cascade Tunnel and west from Leavenworth and one-half mile west of west switch Wenatchee.

Yard limits extend from Pacific Avenue to N. P. connection at N. P. Freight Depot, and to yard limit board east of Lowell.

Lap sidings: Wenatchee, Cashmere, Chiwaukum, Merritt.

Referring to the installation of automatic block signals between Leavenworth and Skykomish. Please be governed by the following rules in addition to those quoted in Rule Book dated May 1st, 1921:

A-Electric lamps are substituted for oil lamps on all automatic block signals between Leavenworth and Skykomish. Trains approaching on main tracks or from side tracks to main tracks automatically light the signal lamps.

B-Standard colored light signals are substituted for semaphore signal in the snow sheds between Tye and Scenic where trains will be governed by such colored signals by day as well as by night. All such light signals are located on the right hand side of the track as seen from an approaching train. The light signals are provided with number plates and the colored indications have exactly the same significance as when used with the semaphore signals shown by figures 6 to 11 inclusive, pages 92, 93 and 94 of Rule Book effective May 1st, 1921...

C-Trains proceeding on to main tracks from passing tracks will automatically light the signals when track circuit is reached at fouling point on sidings. At places where light signals are used, push buttons are located on relay boxes located convenient to switches and it is the duty of brakeman or other training to light the block signals by pushing button before opening main track switch.

D-The Block Signal Rules and Regulations effective May 1, 1921 apply also to these light signals.

BUSINESS TRACKS FIRST DISTRICT NOT SHOWN AS STATIONS ON TIME TABLE.

NAME	LOCATION	OPENS	LENGTH	CAR CAPACITY	NAME	LOCATION	OPENS	LENGTH	CAR CAPACITY
Baring Granite Works Spur. Heybrook Spur. Index, Galena Mill Spur.	1.0 Miles east of Chiwaukum. 1.5 Miles west of Skykomish. 0.3 Miles east of Grotto. 3.5 Miles west o Grotto. 3.6 Miles west o Grotto. 3.7 Miles west of Grotto. 2.0 Miles east of Index. 0.5 Miles west of Index.	West East Both ends Both ends West West	1050 feet 1,275 feet 691 feet	24 22 21 5	Grave Bunkers	2.0 Miles east of Gold Bar 1.0 Miles east of Reiter. 0.7 Miles east of Sultan. 2.0 Miles west of Sultan. 2.0 Miles west of Monroe.	Both Ends Both ends	2,709 1,620 feet 845 feet	60 34 16 37 24

_									LOCATION	OF TUNNELS.									
Tunnel	No.	. 13,	13.873	feet	long.	heigh	t 19	feet, between Tye and	Cascade Tunnel	Tunnel	No	15	1.512	foot !	one I	hainh	107		.66 miles east of Corea.
**	**	13.1	1,202	**	**	**	22	" 1 12 miles east of	Embro	- dimer	""	15.0	1,012	1664	ong,	neign	00.7	reet.	.00 miles east of Corea.
**	46	13.2,	458	**	**	**	22.5	" .20 mi'es east of	Embro.		**	10.2,	1,240						1.58 miles east of Scen c.
**	**	14.	274 9		**	**	22.0	. 20 mi es east of	Embro				815			**	22.5	**	1.59 mileswest of Corea.
3100			214.8		***		19.1	" 1.18 miles west of	Embro		**	16	2.368,3	**	**	**	22	**	Everett, Wash

SECOND SUB-DIVISION-EVERETT JUNCTION TO SEATTLE.

WESTWARD.

THIRD CLAS	55	SECOND CLASS		of St	de			Time Table No. 11.						FIRST CLA	58		
	717		401	Tree	-	-qun	a diam	Effective OCT. 1, 1922.	Call	27	357	3	277	359	1	355	1
	Mdss, Freight		Fast Freight	14	н	tion N	1		de.	Past Mail	Passager	Pamengar	Passager	Passager	Passenger	Passager	
	Daily Ex. Sunday		Dally	25	94		Byes	STATIONS	Ž	Daily	Daily	Daily	Daily Es. Sunday	Daily	Daily	Daily	
	L 10.00m		L 1.00m			1780		EVERETT JUNCTION	JN	L 6.05m	L 6.10m	L 7.40An	L 9.154	L 12.15m	L 6.55m	L 8.077m	
	■10.35		1.12		110	1784	3.8	MUKILTEO	MU	6.11	• 6.19	7.46	• 9.23	12.21	7.01	1 8 13	
	110.55		1.25			1790	7.9	MOSHER		6.17	1 6.27	7.52	1 9.30	12.26	7.07	8.18	
	f11.15		1.35			1793	10.0	MEADOWDALE	AD	6.22	1 6.33	7.57	1 9.36	12.31	7.12	8.23	
	*11.45		1.55		187	1795	14.8		DR	6.30	. 6.43	8 0 5	. 9.45	12.37	7.20	8.30	
	•12.42h		2.05		87	1796	17.8	D RICHMOND BEACH	R	6.35	1 6.51	8-10	• 9.52	12.42	7.25	8.35	
	f 1.05		245		194	1807	34.9	BALLARD	BD	6.50	• 7.10	8.25	•10.11	12.56	7.40	8.50	
_	A 1.30Mm		A 3.00Mm	208	633	1808	26.0	INTERBAY	RB	6.54	• 7.15	8.29	•10.19	12.59	7.44	8.54	
					285		29.1	a. N. DOCK	Z								
					843	1813	33.7	SEATTLE	UD	As 7.10ks	A = 7.30m	A . 845M	A +10 35h	A . 1.15m	A . 8 00m	A . 9.10h	
					_	1813					L 10.00m			L 1.30m	L 8-20		
			-		188	1854	73.0	TACOMA			11:35			• 3.88	A # 9.40 fm		
						2121	214.8	PORTLAND			A = 4.40m			A . 8.10m			
	Daily Ex. Sunday		Daily							Daily	Daily	Daily	Daily Ex.Sunday	Daily	Daily	Dally	
	717		401							27	357	3	277	359	1	355	
	3.30		3.00 14.0					Time Over Subdivision Average Speed per Hour		1.05 30.2	1.20 34.6	1 05 30 2	1 20 24 6	1.00	1 05 30.2	1.03	

Special Rules.

Westward trains are superior to eastward trains of the same class.

No. 27 is superior to all other trains. Opposing first class trains will clear No. 27 five (5) minutes. Other opposing trains will clear No. 27 ten (10) minutes.

All westward trains must be clear at the time No. 27 is due to leave the next station in the rear where time is shown and not less than five (5) minutes.

Extra trains will use double track in direction of Current of Traffic without running orders on receipt of Clearance from Superintendent.

Following trains meet and pass on double track between Everett Jct. and Seattle:

No. 3 meets Nos. 360, 4 and 718. No. 277 meets Nos. 360 and 4.

No. 356 meets No. 401. No. 1 meets No. 2. No. 355 meets Nos. 2 and 28. No. 359 passes No. 717. No. 718 meets Nos. 27, 357 and 3.

Bulletin boards are located at Interbay and Seattle.

No. 718 meets Nos. 27, 357 and 3.

Troop Trains hanoling freight cars must not exceed speed of 25 miles per hour.

Maximum rate of speed for passenger trains between Everett Jct. and Seattle, 50 miles per hour.

Maximum rate of speed for freight trains between Everett Jct. and Seattle 30 miles per hour.

J Engines will not exceed speed of forty (40) miles per hour.

L-1, L-2 and M-2 engines will not exceed speed of 30 miles per hour.

F-7, 8 and 9 engines will not exceed speed of 30 miles per hour.

O-3 engines prohibited on this Subdivision.

No train will exceed speed of 25 miles per hour on curves of 8 degrees or over, 30 miles per hour on 6 and 7 degree curves,

35 miles per hour on 5 degree curves and 40 miles per hour on 4 degree curves.

All trains will reduce speed to 10 miles per hour over draw span of bridge 4 over Salmon Bay at Ballard.

All trains reduce speed to 10 miles per hour over lead switch on Westward Main track at G. N. Dock.

L-1 and L-2 class engines must not exceed speed of 8 miles per hour on any yard track Interbay.

Trains handling care loaded with logs which are not secured by chains, must not exceed a speed of twenty miles per hour.

Trains will not exceed speed of 10 miles per hour passing through town limits of Edmonds.

Steam Whistle Signals for Tracks with Switches Controlled from Everett Jct. Interlocking Track:

East Bound—Main Line one long blast: Coast Line one long one short blast. Bulletin boards are located at Interbay and Seattle.

Steam Whistle Signals for Tracks with Switches Controlled from Everett Jct. Interlocking Track:

East Bound's—Main Line one long blast: Coast Line one long one short blast.

Ballard, Edmonds and Mukiltee are flag stops for No. 4 to take on passengers for Spokane.

Mile Post 10, south of Richmond Beach, is flag stop for No. 277 and 278.

Ballard is flag stop for No. 2, to take on passengers for Spokane or points east of Spokane.

Ballard is stop for No. 309 Bundays.

Ballard is stop for No. 309 Bundays.

Ballard will be flag stop for Nos. i and 3 for passengers from Spokane and East.

No. 358 will stop at any station between Seattle and Vancouver to discharge passengers from south of Seattle.

All G. N. trains between Seattle and Vancouver, Wash., will be governed by time table and rules of N. P. Ry.

All G. N. trains between Vancouver, Wash., and Portland, Ore., will be governed by time table and rules of S. P. and S.

Railway.

INITIAL STATIONS.

Seattle for trains Nos. 360, 4, 358, 278, 2, 28, 356. Interbay for train No. 718. Everett Jct. for trains Nos. 27, 357, 3, 277, 359, 1, 355, 401, 717

TERMINAL STATIONS

Interbay for trains Nos. 401 and 717. Seattle for trains Nos. 27, 357, 3, 277, 359, 1, 355. Everett Jct. for trains Nos. 360, 4, 358, 278, 2, 28, 356, 718.

Yard limit boards east of Ballard cover limits to Seattle.

Yard limit board west of Everett Jct. covers Everett and Deita Yard as outlined Page 7.

INTERLOCKING Plant Baskule drawbridge 500 feet west of Ballard. Distant signals are located 4000 feet cast and west of draw span. Home signals are located 600 feet east and west of draw span. Derails are located 55 feet inside home signals.

Eastward Distant Signal connected with Home Signal so approaching trains will get a Clear Signal when route over Bridge is Clear and Home Signal in clear position.

	FIRST	CLASS					Time Table No. 11			SECOND CLASS	THIRD CLASS
356	28	2	358	278	4	360	Effective OCT. 1, 1922		SIGNS		718
Passenger	Express	Passenger	Passenger	Passenger	Passenger	Passenger					Mdre . Preight
Dally	Daily	Daily	Daily	Daily Ex Sunday	Daily	Daily	STATIONS	Dietane			Daily Ex Sunday
A 1.05Mm	10.00Pm	A 8.10m	4 6.00m	A 3.25m	9.30m	A 9.154a	EVERETT JUNCTION	32.7	R DN P		A 8.154m
•12.55	9 5 3	8.03	5.53	• 3-16	9.23	• 9.06	MUKILTEO	28.9	D P		• 805
112.45	946	7.56	5.47	1 3.06	9.17	f 8.56	MOSHER	24.8	Р		1 7 5 5
112.37	9.41	7.51	5'42	f 3.00	9.12	f 8.51	MEADOWDALE	21.8	Р		1 7.45
12.29	9.35	7.45	5.36	• 2-53	9.05	. 8.43	EDMONDS	17.9	D W P		. 7.30
112.20	9.30	7.40	5 29	• 245	8.59	. 8.33	RICHMOND BEACH	14.9	D P		• 7.10
f12.03km	9.17	7.27	5 17	• 2.30	8.47	. 8.18	OBALLARD	5.8	D		t 6.50
•11.59	9.14	7.24	5 14	• 2.25	8 4 4	. 8.14	INTERBAY	4,7	Re DNWCTOXPK		L 6.45km
							a. N. DOCK	3.4			
L 11.45m	5 9 0 CFm	L 710m	L 500m	L 2.10m	L 8 304m	L 8.00ke	SEÄTTLE	0	R DN * IPK		
A = 740Pm		A . 6.50	A . 4.40m				SEATTLE	183.1			
. 8:05		L 5.35m	- 3 78m				Z TACOMA	143.4			
L 1.00m			L 1000M				PORTLAND	0			
Daily	Daily	Daily	Daily	Daily Ex. Sunday	Daily	Daily					Daily Et Sunday
356	28	2	358	278	4	360					718
1.20 24.6	33.7	1.00 \$3.7	1.00 83.7	1.15 26.1	1.00 32.7	1.15 25.1	Time Over Subdivision				1 30 18 7

Automatic Block System.

Automatic Block Signals are in operation between King Street Station, Seattle, and Everett Jet.

Interlocking Signals.

Within the limits of the Automatic Block Signal System Interlocking Plants are located as follows: SOUTH PORTAL OF SEATTLE TUNNEL.

NORTH PORTAL OF SEATTLE TUNNEL.

EVERETT JUNCTION.

Automatic Block Interlocking Signals and Semaphores

Westward.

Everett Junction interlocking, westward home signal (high line), is located 200 feet from westward crossover switch, and has three arms; the top arm is for main line trains through crossover; the second arm fixed; bottom arm for diverging movements. Westward Home Signal, Coast line, is located fifty-five feet from east end of eastward crossover switch and has three arms; top arm is for main line; second arm fixed; bottom arm crossover movements.

Distant signals, westward high line, is located 3500 feet from home signal.

Pirst automatic signal westward is 2500 feet west of Everett Junction.

Eastward.

Pirst automatic signal castward is located 3000 feet from eastward home signal, North Portal. Eastward home signal, Everett Junction Interlocking is located 200 (set from west end of eastward crossover switch, and has two arms; top arm is for main line to St. Paul; lower arm for crossover up the Coast line.

Business Tracks Not Shown as Stations on Time Table.

NAME	LOCATION	OPENS	LENGTH	CAPACITY
Dailey Shingle Co. Spur. Wasser-Mowatt Lumber Co. Spur. Brown Bay Logging Co. Connection. Washington Bolt Spur Standard Oil Co. Spur. G. N. Clay Co. Spur.	1.7 miles west o Everett Jct. 2.0 miles west of Everett Jct. 1 mile cast of Meadowdale. 0.5 miles west of Meadowdale. 0.4 miles west of Edmonds. 1.0 mile cast of Richmond Beach. 4.2 miles west of Richmond Beach. 1.6 miles east of Richmond Beach.	East West East West West East Wort	2185	2

LOCATION OF TUNNELS.

Tunnel No. 17, 5,141.5 feet long, height 22 feet, Seattle, Wash.

				Т	HIRD S	UB.	-DI\	/1510	N-E	VERETT JUNCTION TO	BEL	LINGHA	м.				SOUTHWAR
THII	RD CLASS		SECOND	CLASS		Cape of 8 Tra	eity ide			Time Table No. 11	1				FIRST	CLASS	
	717	713	711	729	401	Tra	eks	umper	8 2 8	Effective OCTOBER 1, 1922.	Calle	357	277	359	299	355	
	Mdse Freight	Mdss . Freight	Fast Freight	N. P. 676 Preight	Fast Freight	12		N no	Distance f Bellingbar		graph	Passenger	Passenger	Passenger	N P 442 Passenger	Passenger	
	Daily Ex Sunday	Daily Ex Minday	Daily Ex. Monday	Daily Ex Sunday	Daily	24	Orbei Trans	Stat	Page 1	STATIONS	F	Daily	Daily Ex Sunday	Daily	Daily	Daily	
1			L 7.00Am			110	110	CL62	0.0	BELLINGHAM	нм	L 2.43m	L 645M	L 10.20Am		L 5.30fm	
			7.15			45	143	CL60	2.9	SOUTH BELLINGHAM	FN	• 3.05	1 655	•10.30		. 5.45	
			7.30			54	•	CLS6	6.9	sockeys		1 3.17	1 7.03	10.36		278 5.53	
			7.55			53	•	CL50	12.5	SAMISH		1 3.30	1 7.15	10.47		6.05	
								CL494	13.2	BLANCHARD		1 3.34	. 718			6.06	
			8.30			65	16	CLAS	10.6		Во	1 340	• 7.25	10.52		6.11	
			8 50					CL42	31.2	BELLEVILLE	BV	1 3.50	1 7.32	10.57		6.17	
		714-360 L 11.35im	8.00			63	239	CL39	23.8	BURLINGTON	BU	• 4.05	L 7.40	*11.05		• 6.29	
		*12.15Am	1010			42	60	CL35	27.9	MT. VERNON	NE	. 4.20	• 7.55	*11.15		• 6.42	
		•12.35	1 0.33			64	19	CL30	33.3	Pik X	FR	1 4.35	. 803	11.21		· 6.54	
								CL274	35.0	MILLYOWN		1 4.38	. 8.07				
		• 1.00	359 712 1 1 32			67	61	C1.23	40.4	STANWOOD.	В	4.55	. 8.16	711 and 712 11 32		1 7.07	
		• 1.25	12.01fm			76	14	CL17	45.9		NA	1 5.10	• 8.32	11.40		1 7.20	
		1 1.50	12.15			64	16	CLI3	80.0	ENGLISH		1 5.20	. 8.40	11.46		7.28	
-		1 2.05	1225	L 9.45 Mm	·	Г		CL9	83.6	KRUSE	K	5.26	. 845	11.50	L 3.08hn	7 33	
		• 2.50	12.40	9 55		64	74	CL6	87.0	EMARYSVILLE	MS	. 5.40	• 8.52	11.55	3.15	1 7.40	
	L 9.35Am	A 3.05Pm	A 1.00m	A 10 05 Pm	L 12.35km	Т		CL3	89.7	DELTA WYE	wy	6.48	* 8.58	1201m	A 324m	7.47	
	9.40				12.40	41			50.7	LONG SIDING		5.52	9.01	12.04		7.50	
	9.80				12.50	65	120	1779	63.3	EVERETT		• 6.07	• 9.13	•12.13		· 8.05	
	A 10.00ks				A 1.004			1780	64.1	EVERETT JUNCTION	JN	A 6.10km	A 9.15An	A 12-15Pm		A 8.07hm	
	Daily Ex Sunday	Daily Ex Monday	Daily Ex. Monday	Daily Ez Sunday	Daily							Daily	Daily Ex. Sunday	Daily	Daily	Daily	
	717	713	711	729	401		_					357	277	359	299	355	
-	0.26	3.30 10.3	5.00	18.3	10.6	T				Time Over Subdivision Average Speed Par Hour		3.27	1.50	1.55	27 0	2 37 24 3	

Southward trains are superior to northward trains of the same class. Read carefully rules covering operation ELECTRIC TRAIN STAFF BLOCK, pages 14 and 15.

Electric train staff block system between Delta Wye and Marysville. Automatic Block Signals in operation between Everett Jct. and Delta Wye and between Marysville and South Bellingham. See page 16.

Bulletin boards are located at Burlington and Bellingham. Maximum speed for passenger trains between Delta Wye and Samish, 55 miles per hour, between Samish and Bellingham, 40 miles per hour.

Maximum speed for freight trains between Delta Wye and Samish 25 miles per hour, and between Samish and Bellingham 20 miles per hour, between overhead crossing two miles north of Samish and Tunnel 18, in rainy weather, 15

miles per hour.

J Engines will not exceed speed of forty (40) miles per hour. F-7-8 and 9 engs will not exceed speed of 30 miles per hour.

Engines heavier than E-14 and F-5 are prohibited on this subdivision.

No train will exceed speed of 25 miles per hour on curves of 8 degrees or

over, 30 miles per hour on 6 and 7 degree curves, 35 miles per hour on 5 degree curves, and 40 miles per hour on 4 degree curves. All trains will reduce speed to 10 miles per hour over draw bridges 10 at

Delta, 11 and 12 near Marysville and 36 near Burlington.

Trains handling cars loaded with logs which are not secured with chains, must not exceed a speed of twenty miles per hour. All trains run carefully from overhead crossing 2 miles north of Samish to

tunnal 18. All trains reduce speed to 8 miles per hour passing through town limits. Marraville, Mt. Vernon and Burlington.

Trains will not exceed 6 miles per hour on coast line track over 24th St. near Everett flour mill, California St., Hewitt Ave. and Bond St., north and south of passenger depot city of Everett.

Norman, 1 mile north of Silvana, is flag stop for Nos. 277 and 278. Stanwood will be stop for No. 355 and No. 358 Sundays.

At Kruse all N. P. trains will enter and leave G. N. main line, through

Except when displaying signals for following sections, first class trains will register by card at Kruse, Delta Wye and Everett Jet.

Following railroad crossings at grade that are protected by crossing gates, but not by interlocking plants, which all trains, engines or cars should approach and be crossed over under full control: Crossing of the Great Northern Railway, Skagit Branch just north of Burlington; Northern Pacific Railway near gas works plant north of South Bellingham; B. & N. Railway just north of the box factory south of Bellingham; and at crossing of English Logging Company on Skagit Branch between Burlington and Sterling.

Crossings will be indicated on either side by standard signs "Railway cross-

ing 200 feet."

Normal position of gates at crossing of third and fourth subdivision at Burlington, will be against fourth subdivision trains. Not necessary to stop for

crossing when gates are set against opposing subdivision.

South switch Everett passing track, is located 300 feet north of station

Track lying to the south of cross-over, between round house and depot Bellingham, will be known as passing track.

Steam whistle signals for tracks with switches controlled from Delta Wye Interlocking Tower.

Main Line-One Long.

Delta Yard from North-One Long, One Short. Delta Yard from South-Two Long, One Short. Delta Yard North-Two Long. Delta Yard South-Three Long, One Short.

One Long.

Southward for Northern Pacific connection, Two Long, One Short,

One Long INTERLOCKING SYSTEM.-Governing movement of trains N. P. crossing and

Bridge 10 just north of Delta Wye. All southward trains will be governed by a two arm home signal located 700 feet north of draw span. Top arm at 90 degrees up proceed to two arm home signal located 20 feet north of N. P. crossing, top arm at 90 degrees up proceed to Bayaide, lower arm 90 degrees up proceed to Delta yard. A caution

fixed signal is located 2500 feet north of two arm home signal. Train movements from Bayside northward will be governed by top arm on home signal located 60 feet south of wye switch and by home signal located on trestle 500 feet south of draw span.

Train movements from Delta northward will be governed by top arm on home signal located 60 feet east of wye switch, and by home signal located on trestle 500 feet south of draw span.

Trains between Delta and Bayside will be governed by lower arm home signal located 60 feet east of wye switch.

Trains northward from Northern Pacific connection to Great Northern main line governed by lower arm on Home Signal on Northern Pacific track. Top arm on advanced Home Signal 500 feet south of draw span.

Southward trains for Northern Pacific connection to be governed by lower arm on Home Signal 700 feet North of draw span.

Staff crane for trains from Northern Pacific connection northward is located on Northern Pacific track on trestle. Interlocking system in use bridge 10, 11 and 12 between Delta and Marys-

ville and at Skagit R. R. Crossing one mile south of Fir.

Interlocker at Drawbridge No. 35 one mile north of Mt Vernon. Derails are located 500 feet from and of draw span.

	FIRST	CLASS			1 1	Time Table No. 11				SI	COND CLASS	1	HIRD CLASS	5
298	358	278	360	356		Effective OCTOBER 1, 1522.	Distance from Everett Junction	SIGNS		712	728	714	718	
P. P. 441	Passenger	Passenger	Passenger	Passenger			1			Past Freight	N. P. 675 Freight	Mdee Freight	Mdee . Freight	-
Daily	Dally	Daily Ex. Sunday	Daily	Daily		STATIONS	M N			Daily Ex Sunday	Daily Ez. Sunday	Daily Es. Sunday		
	A . 8.15m	A # 6.15Pm	A+12 05Fm	A . 4.10km		BELLINGHAM	64.1	R. DNXCWT	KP	A 2.25mm		1	SI Subusy	-
	• 8.00	. 6.02	•11.55	4.00		SOUTH BELLINGHAM	61.2	DO K	Р	. 215				
	7.52	1 5.53	f1143	1 3.50	.	SOCKEYE	87.2		P	1 2.00				
	7.40	1 5 37	11.31	3.30	.	SAMISH	81.6	w	p	1 1.45				
		. 5.35	*1129	t 3.26		BLANCHARD	50.9		P					
	7.32	1 5.31	*11.22	1 3.20	sie .	Bow	47.8	D	P	• 1.30				
	7.24	1 6.22	f11-12	1 3.07		BELLEVILLE	43.9		P	1 1.10				
	• 7.19	. 5.16	*11 05	• 3.00	Block	BURLINGTON	40.3	R DNCOWYXI	KP	1.00		A =1 1 30km		
	• 7.06	• 5.03	*10.50	. 245		MT. VERNON	36.2	DN	P	713 12-15%		359-300-711		
	6.54	4.50	*10-33	1 2.30	natic		30.8	D	p	11.55		18:18		
		. 4.45	•10.24	1 2.25		millTown	29.1			11.00		• 9.45		
	6.43	4.35	1 0.19	• 2.15	۲ .	STANWOOD	23.7	DN	P	359-711 11-32				
	6.34	• 4.20	*10.05	1 2.00	-	SILVANA	18.2	D W	P	11.00		9.15 277 8.32		
	6.28	4.10	1 9.54	1 1.49		ENGLISH	14.1		P	10.30		1 8.32		
A 5-10h	623	. 402	9.47	140	-	KRUSE	10.5	R DN	Р		A 250ks	1 7.45		
5.04	6.18	. 3.54	• 9.42	• 1.34	-	MARYSVILLE			-		2004	7.40		
L 4.57h		3.43	9-33	1.23		3.7 WYE	7.1	DN	P_	10.00	2.35	• 7.30		
	6.09	3.40	9.30		nals s	LONG SIDING		R DN IV	Р_	9 454	L 220km	L 7.00km	A 8.35An	
	. 6.05	• 3.35	9.30	1.20	Automatic Block Signals	EVERETT	3.4		_				8.30	
	L 6.00%	L 3.25m	L 9154a	• 1.15 L 1.05Am	Aut	EVERETT JUNCTION	0.8		P				8.20	
Daily	Dally	Daily Ex.Sunday	Daily	Daily	m	EVERETT JUNCTION	0.0	R DN	Р	Daily	Delle		8 15ta	
298	358	278	360	356	-				-	Ex Sunday	Daily Es. Sunday	Daily Ez. Sunday	Daily Ex Sunday	
27.0	2 15 28 5	2 55 23 0	2 50 23 0	3.05	-	Time Over Subdivision			_	712	728	714	718	
27.0	28.8	23.0	23.0	31.0		Average Speed Per Hour				13.5	12.0	6.30 8.0	0 20	

Interlocking Plant at crossing of Pacific Northwest Traction Company just north of Burlington. Home signals are located 208 feet north and south of crossing. Derails are located 58 feet inside of home signals. Home Signals are pipe connected.

Mt. Vernon interlocking plant 1 mile north of Mt. Vernon, crossing the P. S. & C. Ry. South derail is located 255 feet south of crossing. North derail located 400 feet north of crossing. North bound home signal is located 260 feet south of crossing. South bound home signal located 458 feet north of crossing. All signals standard indications and are a part of the automatic block system. A switch opening south leading to the P. S. & C. Ry. yards is located with head block 450 feet south of crossing. A pipe connected derail is located 185 feet from head block in on this spur. An automatic dwarf signal is located at this derail for south bound train movements coming out of this spur and will show caution when switch is opened and no train standing between north bound home signal and Mt. Vernon. This dwarf signal is part of automatic block signal system.

INITIAL STATIONS.

Delta Wye, for trains Nos. 298, 728, 712, 714, 717 and 401. Everett Jct., for trains Nos. 358, 360, 356, 278 and 718 New Westminster, or trains Nos 98, 102 and 104. Vancouver, for trains Nos 359, 355, 357 and 719. C. N. Junction, for trains Nos. 97, 101 and 103. Bellingham, for trains Nos. 720 and 711. Kruse, for trains Nos. 299 and 729. Burlington, for trains Nos. 713 and 277.

TERMINAL STATIONS.

Delta Wye, for trains Nos. 299, 729, 711, 713 and 718. Everett Jct., for trains Nos. 359, 355, 357, 217, 401 and 717.

New Westminster, for trains Nos. 97, 101 and 103. Vancouver, for trains 356, 358, 360 and 720. C. N. Junction, for trains Nos. 98, 102 and 104. Bellingham, for trains Nos. 719 and 712. Kruse, for trains Nos. 298 and 728. Burlington, for trains Nos. 714 and 278.

YARD LIMITS

Yard limits extend from yard limit board north of Roundhouse, Bellingham, to yard limit board, south of South Belling.

Yard limit boards placed each direction from Burlington Everett yard limits include Delta yard and from North end of draw bridge 11 to yard limit board west of Everett Jct.

Business tracks not shown as stations on time table.

NAME	LOCATION	OPENS	LENGTH	CAR
Coast Clay Spur. Chuekanut Quarry Spur Chuekanut Cannery Spur Ilazel Mill Spur Illordei-Denovan Spur Illordei-Denovan Spur Illordei-Denovan Spur Leverett Pulp and Paper Co., Spur Union Oil Co. Spur Puget Sound and Cascade Ry. Coun Illazit Crossing Tr. Track. Ilawley Spur	Leads of of Chuckanut Spur. 1.0 Miles north of Sockeye. 0.7 Miles north of Sockeye. 0.5 Miles south of Samish. 1.3 Miles north of Baw. 1.5 Miles north of Bellville. 1.7 Miles north of Mt. Vernon. 1.1 Miles north of Mt. Vernon. 1.0 Mile north of Mt. Vernon. 1.3 Miles south of Fir. 1.4 Miles south of Fir.	South North North North North South South South South North		22 24 7 35 64 80 4 10

Business tracks not shown as stations on time table.

NAME	LOCATION	OPENS	LENGTH	CAPACITY
Morrison Mill Spur Ketchum Spur Hals Spur Norman Spur Kennedy Spur Kennedy Spur Gruse Bros. Spur Cox's Spur	2.1 Miles south of Fir 2.5 Miles north of Stanwood 1.18 Miles south of Stanwood 1.1 Miles north of Sivanod 1.1 Miles north of Mivana 4.2 Miles north of Marysville 2.5 Miles north of Marysville 1.4 Miles north of Marysville 1.4 Miles north of Marysville	South South South South South South South		8 3 2 2 6 2

LOCATION OF TUNNELS.

Tunnel No. 20, 326.5 feet long, height 20.9, .43 miles south Sockeye.

" 21, 697.6 " " 21. .32 " " South Bellingham.

Tunnel No. 18, 1,112.9 feet long, height 21.8, .46 miles north Samish.
" 19, 141.5 " " 21.3, .62 " south Sockeye.

8 9	SOUTHWARD.			1	1		ION-VANCOUVER TO BE					FIRS	T CLASS
THI	RD CLASS	SECOND CLASS	Capas of Sic Trans	de			Time Table No. 11	C. III	357	359	355	97	101
103	719				. 5	Distance from Vancouver	Effective OCTOBER 1, 1522	d d	Passager	Passenger	Passenger	C. N. Ry. 38	C. N. Ry. 2
	ddse . Freight			1	Station	/ saco	STATIONS	Teleg	Daily	Daily	Daily	Daily	Daily
Daily	Daily Ex. Sunday			-	-		VANCOUVER	UN	L 12.01m L	8.00 m 1	360 300m		
L	5 45fa			319	CL123	0.0			1205	8 04	304	1. 6.25Pm	1. 7.50fm
11 05m	549			-		1.3	STILL CREEK			8.08	3.08	6.31	7.56
11.13	1 557			-	CL122	2.7		-	12.11			0.772.00	801
11.19	6-01			_	CL120	4.6	ARDLEY	-	112.15	8.11	3.11	6.36	
1127	1 605			29	CL117	7.2	BURNABY		112.21	8.15	3.15	642	807
11.33	1 614			_	CL115	10.9	ENDOT	-	12.27	820	3 20	648	8.13
11.40	• 620		27	45	CL112	12.4	SAPPERTON	_	12.30	8 2 3	323	6.51	8.16
11.45m	• 640			52	CL107	13.1	NEW WESTMINSTER	MN	•12.38	• 8.28	• 3.28	A 1 6.55fm	A + 8 20hn
11-400	1 646					13.5			12.43	8.33	3.33		
	1 7.00		64	3	CL101	18.7	TOWNSEND		112.52	8.41	3.43		
	. 7.28 . 6.88		65	59	CL96	24.1			• 1.02	· 8.50	1 3.52		
	720			24	CL92	27.7	CRESCENT		t 1-10	1 8.57	1 4.00	1	
	t 820 845		65	21	CL87	32.5	WHITE ROCK	WR	• 1.35	. 9.22	. 425		
	• 9.30 - 355					35.8	INTERNATIONAL BOUNDARY						
	9.45m		62	134	CL84	36.0	BLAINE	. BN	1.55	• 9.32	• 4.45		
	1100 m			40	-	43.6	7.5		1 2.10	1 9.45	4.57		
	*1125		- 1	_	CL74		2,7		1 2.17	9.52			
				-	CLTI	_	2.4		-	• 9.57	• 5.08		
	*11.45		78	-	_	_	2.1		2.28	10.02			
				-	CL70	-	0.1		-	A =10.15kg	A . 5.25M		
	A #12-30km		119	110	CL62	58.1		118	Daily	Daily	Daily	Daily	Daily
Daily	Daily Ex. Sunday			-	-	-		-	357	359	355	97	101
103	719			_	_	-	Time Over Subdivision		12:42	2.15 26.0	2 25 24.1	23,6	23.6
17.7	6 45 9.2						Time Over Subdivision Average Speed I'er Hour		23.3	26.0	24.1	23.6	23.6

Special Rules.

Southward trains are superior to northward trains of the same class.

Double track between Still Creek and Endot. Normal position of switch at Still Creek is for southward trains and at Endot for northward trains.

Extra trains will use double track in direction of current of traffic without running orders on receipt of clearance from

No. 359 meets No. 102 on double track between Still Creek and Endot. No. 720 meets No. 101 on double track between Endet and Still Creek.

Bulletin Boards are located at Bellingham and Vancouver.

Maximum rate of speed for passenger trains between Bellingham and Vancouver, 45 miles per hour.

J Engines will not exceed speed of forty (40) miles per hour.

F-7-8 and 9 engs. will not exceed speed of 30 miles per hour.

Engines heavier than E-14 and F-5 are prohibited on this Subdivision.

No train will exceed speed of 25 miles per hour, on curves of 8 degrees or over 30 miles per hour over 6 and 7 degree curves, 35 miles per hour over 6 degree curves and 40 miles per hour over 4 degree curves.

No train will exceed speed of 25 miles per hour between Mile Post 139 and Bridge 77 Fraser River.

All trains will reduce speed to 10 miles per hour over draw bridges 69 and 70 near Colebrook and 85 Vancouver yard.

Trains handling cars loaded with logs which are not secured by chains, must not exceed a speed of twenty miles per hour. On descending grades of 1.8 per cant and greater, the maximum speed for freight trains must not exceed 15 miles on descending grades of all per cent and grades, do make to a 1 per cent grade, the speed must not exceed 26 miles per hour, and on less than 1.5 per cent descending grade to a 1 per cent grade, the speed must not exceed 26 miles per hour, live stock and fruit trains excepted. On a 1 per cent grade and less, 30 miles per hour will be the limit.

It must be understood that the above is maximum speed for freight trains, and that this maximum speed will not be

made where track conditions will not warrant, which are regulated by slow orders.

Trains must not exceed speed of 10 miles per hour over Brunette Street at Sapperton.

All trains reduce speed to 10 miles per hour between Mile Post 123 and Mile Post 127, between White Rock and Crescent

All trains reduce speed to \$ miles per hour through city limits at Blaine.

All trains will come to a full stop within 60 feet of home signal on either side of Frazer River bridge, and will not proceed until clear signal is displayed, and will not exceed a speed of five (5) miles per hour over this bridge.

Ocean Park, 1 mile south of Crescent, will be fing stop for No's 356 and 357.

All trains arriving and leaving Vancouver and C. N. Junction will register in train register located in G. N. train order office, Vancouver.

No. 355 will register by card at Colebrook.

The normal position of switches at Colebrook Jct., Guichon line Jct., and Frazer River Jct. will be for main line. Track lying to the south of cross-over between round house and depot, Bellingham, will be known as passing track. Semaphores for protection of draw, Frazer River bridge, between Frazer River Jct. and New Westminster, are located on north and south end of bridge.

Retaining wall, New Westminster, between Front St., crossing and old interlocking tower, does not give full side clearance. Train and engine men must not hang on side of cars or engines passing same.

No trains in either direction will pass international Boundary at Blaine and White Rock without permission of Cus-

Yard limit boards at Bellingham, Blaine, Vancouver and White Rock.

Yard limit board at Sapperton Sand Pit North of Wye, covers limits to Fraser River Bridge.

FIRST C	LASS				Time Table No. 11.				SECOND CLASS	т	HIRD CLASS
358	360	98	102	356	Effective OCTOBER 1, 1922.	3	8.	SIGNS		720	104
Pamenger	Pamenger	C. N. Ry. 37 Passenger	C. N. Ry. 1 Passenger	Pamenger		-	Dietance from Bellinghem			Mdan Freight	C. N. Ry 403 Freight
Daily	Dally	Daily	Daily	Daily	STATIONS	į	Belli			Daily Ex Sunday	Dally
A =10.45%	355 A = 2.55h			A = 7.55Am	YANCOUVER	VN	58.1	RO DN WCYTOPK		A . 9 00m	
10.35	,245	A #10-54Am	A # 8-134m	7.45			56.9			8 50	A = 9224m
10.30	1 2.40	10.49	359 8.08	1 7.40	#STILL CREEK		55.4	,		1 8.45	9.17
10.26	1 2 36	10.42	8.01	1 7.35	ARDLEY		83.1	DN P		1 8.35	912
10.21	1 2.31	10.34	7.54	1 7.28	BURNABY		80.9	P		1 8 25	9.06
10-15	2.25	10:24	7.47	7.21	3.2 ENDOT		47.7	Р		1 8-10	8 58
10-11	1 2.21	10.19	7.39	1 7.17	SAPPERTON		48.7	X W I Y PK		* 8 OO	8.50
*10.08	. 218	L 10-174	L 7.354m	• 7.15	NEW WESTMINSTER	MN	45.0	R DN I PK		. 7.55	L 8 45Am
9.59	2 08			7.05	PRASER RIVER JCT		44.6			1 7.50	
9.51	1 1.58			1 6.55	TOWNSEND		20.4	P		1 7.35	
• 9.43	• 1.50			. 6.42	COLEBROOK	a	34.0	R DN W Y P		719 7.20	
1 9.35	1 1.40			1 6.20	CRESCENT		80.4			1 6 4 5	
• 911	1.15			. 5.55	WHITE ROCK	WR	25.6	DN P		. 535	
					INTERNATIONAL BOUNDARY		22.6				
9.00	• 1.00			. 5.25	DLAINE	BN	33.1	RDNWTP		355 5.20 4.00	
1 8.42	•12.41			. 4.54	CUSTER	cu	14.6	D P		• 315	
8-35	11236			1 4.46	ENTERPRISE		11.9				
• 8.32	•1231			. 4.40	2.9 PERNDALE	PD	0.0	D P		• 235	
8-24	11223			4.29	BRENNAN		1.1				
L 8.15hm	L 12.10m			L 4.15m	BELLINGHAM	нм	0.0	RODN WC T PK		L 200h	
Dally	Dally	Dally	Daily	Daily						Daily Ex Sunday	Daily
358	360	98	102	356						720	104
2 30 23 3	2.45 22.3	19 1	38 21.0	3.40	Time Over Subdivision Average Speed Fer Hour					7.00	10 1

No train, engine, or cars shall be moved into or through the interlocking zone protecting the Fraser River bridge immediately south of New Westminister, B. C. through the use of flag, hand signal, lantern or word of mouth when the interlocking plant is out of order. The Government has provided regular clearance card to be used in cases of this kind and nothing else should be accepted.

Track is electrically bonded between northward home signal Fraser River junction and southward home signal at water front track New Westminster and trains when given clear signal at either one of these signals may proceed through block.

front track New westminater and trains when given clear signal at either one of these signals may proceed through block.

New Mestminater Interlocking System.—Signal tower is located 4600 feet north of north end of Fraser River bridge. This apparatus controls the crossing of the C. P. Ry., also switches leading to and from the Fraser River Bridge tracks and New Westminster.

South derail is 625 feet north of tower.

North derail is 625 feet north of tower.

Northward home signal is located to the left of the track and is 1655 feet south of tower.

Southward home signal is located 675 feet north of the tower.

Distant signals are located 1200 feet north and south of home signals.

This plant has two advance home signals governing train movements over switches at north and south end of plant. North of plan this signal is located to the left of the track top arm for main line, lower arm for diverging track leading to Fraser Mills. South of plan top arm for main line, lower arm for track leading to water front and freight house.

Interlocking plants are in use on bridges 69 and 70 between Crescent and Colebrook. Home signals and derails are located 600 feet north and south of both bridges. The caution fixed signals are located 3000 feet from home signals. Interlocking plant at Ardley, B. C., governing movement of G. N. Ry., trains and B. C., Electric Railway Company trains: Northward home signal is located 558 feet from crossing. Derail is 58 feet ahead of signal. Northward distant signal is located 2000 feet from home signal. Southward home signal is located 558 feet from crossing and has two arms. Derail is 58 feet ahead of signal. Southward distant signal is located 2000 feet from home signal

Burrard Inlet Interlocking plant crosses the C. P. Ry. and B. C. Electric Ry. at Burrard Inlet, Vancouver. South derail is located 200 feet south of B. C. Electric crossing. North derails are located 200 feet north of C. P. Ry. crossing. Northward home signal is 258 feet south of B. C. Electric crossing. Southward home signal is 210 feet north of C. P. Ry. crossing. No distant signals at this plant.

NAME	LOCATION	OPENS	Longth	Cap
Maddoughe-Shaw Spur Ardley Power Sour Bradford and Taylor St. Mingo Spur St. Mingo Spur Delta Shingle Co. Spur Moeher Lumber & Logging Spur Moeher Lumber & Logging Spur Moehel Lumber Co. Spur Dakota Creek Spur Dakota Creek Spur Enterprise Spur Milk Spur Standard Oil Spur Marletta Spur	0.5 Miles south of Ardley. 1.5 Miles north of Sapperton. 1.0 Mile north of Townsend. 0.8 Miles south of Townsend. 2.2 Miles south of Townsend. 2.0 Miles north of Colebrook 1.0 Miles south of Miles outh 2.0 Miles south of Whiterock. 2.0 Miles south of Blaine 0.7 Miles north of Enterprise. 0.3 Miles south of Enterprise. 0.3 Miles south of Fartandale.	South South South North North South South North South South South South South	630 2450	5 2 4 23 10 16 2

10	WESTW	ARD.		FOL	IRT	H SL	JB-D	IVI	SION—ANACORTES	S TO	RO	CKPORT.				EASTWA	RD.
THIRD	CLASS	SECOND CLASS	FIRST CLASS		Capa of Si	seity lide			Time Table No. 11					IRST CLASS	SECOND CLASS	THIRD	CLASS
725	723		289	279	Trac	oka		frem	Effective OCTOBER 1, 1922.	8	E.	SIGNS	290	280		724	726
	Mdse . Freight		Passenger	Passenger	44	14	Station	kper.		dual	tanes eorts		Passenger	Passenger		Mdm Freight	Mdsc Freig
Daily Es. Sunday	Daily Ex. Monday		Daily	Daily	24	414	E.Z	Dista Rock;	STATIONS	ž	Distan		Daily	Daily		Daily Et Sunday	Daily Ex Sunday
	L 6.30An		L 4-30fm	L 9.10#	30		CN58		ROCKPORT	RK	63.7	R D W Y	A s 1.30Pm	A. 910Pm		A 4 30m	
	1 6 50		f 4.45	9.25	16		CN48	5.8	NESTOS		47.5		f 1.00	8 5 5		1 4.00	
	• 7.25		1 4.57	■ 9.37		83 (CN44	9.1	CONCRETE	BA	44.6	D	12.57	. 8.47		1 3 30	
	• 7.50		f 5.00	1.9.40	30	76 (CN43	10.2	GRASSMERE		43.5		f12.45	1 8 39		1 2.40	
	1 8.20		• 5.12	■ 9.53	41		CN38	18.8	BIRDSVIEW		38.2		12.33	. 8.27		1 2.15	
	# 8.50		1 5.25	10.06	35		CN33	20.6	HAMILTON		88.1	D W	·12·20	* 8·15		1.40	
	• 9.16		1 5.37	*10.19		28 (CN29	23.9	LYMAN	мч	29.8	D	*12-08Pm	. 8.06		1.10	
	1 9.35		1 5.48	f10-30	21			29.1	COKEDALE JUNCTION		24.8		111.50	17.54		11240	
	*10.00		• 6-00	•10.40	42	62 (CN20	12.4	SEDRO-WOOLLEY	sw	21.3	DXRIK	*11-40	• 7.46		112.25	
			280	290			CN18	84.7	STERLING		19.0						
4-30 km	A =10 25km		• 7.25	19:55	63	225	CL39	37.3	BURLINGTON	BU	16.8	R DN CO WYX IK	11.15	7.30		i. 12.01%	A 930
• 4.40			• 7.33	*11.28		10	CN13	40.0	AVON		13.7		110.46	. 5.39			• 920
1 4.50			1 7.40	f11.35		7	CNIO	42.6	PREDONIA		11.1		110.40	1 5 32			1 910
• 5.00			• 7.47	*11.42		17	CNO	44.1	whitney		9.4		±10-35	. 525			• 905
								44.1	DRAW BRIDGE		7.4						1 900
5-15			1 8.03	111.58			CN4	49.6	PIDALGO		4.1		110-21	1 5.11			1 8.45
4 s 5 30 km			A # 8-15fm	A 1210m		338	CNO	84.7	ANACORTES	AC		R D T W	L 10-10An	L 5 00m			L 8-30
Daily Ez. Sunday	Daily Ex. Monday		Daily	Dally									Daily	Daily		Daily Ex. Sunday	Daily Ex Sunda
725	723		289	279									290	280		724	726
1.0 16.5	3.85		3.45 15.0	3.0					Time Over Subdivision Average Speed Per Hour				3.20 16.1	4 10 13 0		4 29 8.4	1 0

Special Rules.

Westward trains are superior to eastward trains of the same class.

Bulletin boards are located at Anacortes, Burlington and Rockport. Maximum rate of speed for passenger trains between Anacortee and Rockport, 20 miles per hour. Freight trains 15 miles per hour. Anacortes to Burlington and Birdsview to Rockport 20 miles per hour Burlington to Birdsview.

No train will exceed speed of 25 miles per hour on curves of 8 degrees or over.

J Engines in Passenger Service will not exceed a speed of forty (40) miles per hour.

Engines heavier than F5 must not cross bridge 52 near Concrete. F5 and D5 engines must not exceed speed of 10 miles per hour over same.

No Engine heavier than F1 must cross Drawbridge 12 two miles west of Whitney. All trains reduce speed to 10 miles per hour over same.

First class trains will stop on fisg at Fidalgo Mill Spur, Summitt Park, Minkler, Superior Ava. East Concrete, Van Horn, Sauk, Cowdens and Nestos Spur.

Normal position of gates at crossing third and fourth subdivisions at Burlington, will be against fourth subdivision trains.

Normal position of gates at crossing Puget Sound and Baker River Railway two miles east of Burlington will be clear for Great Northern trains. Not necessary to stop when gates are clear and set against P. S. & B. R. Ry.

Interlocking Plant one half mile west of Sedro-Woolley at crossing of Pacific Northwest Traction Company. Distant signals are located 2000 feet east and west of crossing and have one arm showing caution. Home signals are located 208 feet east and west of crossing. Derails are located 58 feet inside of Home Signals.

Interlocking Plant just west of Burlington at crossing of Pacific Northwest Traction Company eastward distant signal is located 2000 feet west of crossing, has one arm showing caution. Home signals are located 56 feet each way from crossing. Derails are located 5 feet inside of home signals. There is no distant signal for westward trains.

INITIAL STATIONS.

Anacortes, for trains Nos. 280, 290 and 726. Rockport, for trains Nos. 279, 289 and 723. Burlington, for trains Nos. 724 and 725.

TERMINAL STATIONS

Anacortes, for trains Nos. 279, 289 and 725. Rockport, for trains Nos. 280, 290 and 724. Burlington, for trains Nos. 723 and 726.

Yard limit boards are located at Anacortes, Burlington and Sedre-Weelley.

Business tracks not shown as stations on time table.

MAMB	LOCATION	OPENS	LENGTH	CAPACITY
Briscoe Spur edro Box & Veneer Spur sauk Spur owden's Spur //an Horne's Mill // Hawkins Spur // Inavel Pit Spur // woodina Spur // an Horne's Mill // Hawkins Spur // Inavel Pit Spur // woodina Spur // an Horne's Mill	1.8 Miles west of Rockport 2.48 Miles west of Sauk. 2.0 Miles west of Rockport 3.5 Miles west of Rockport 1.5 Miles west of Rockport 1.5 Miles west of Nestos 1.5 Miles west of Nestos 0.7 Miles west of Concrete. 0.7 Miles west of Grammere. 2.0 Miles east of Endsview 1.0 Miles east of Birdsview 0.7 Miles west of Hamilton. 0.8 Miles east of Findonia 0.9 Miles east of Fredonia 0.9 Miles east of Fredonia 2.9 Miles east of Anacorres 2.1 Miles east of Anacorres 2.1 Miles east of Anacorres 2.1 Miles east of Anacorres	West East West East West West West West West West West We	246 feet 1100 feet 237 feet 264 feet 7 feet 297 feet 1212 feet	14 5 7 9 15 24 110 57 5 30 3 4 4 2 2 13 6 4 4

SECOND CLASS.	Cap	Capacity of Side Tracks			T. T. I. N. 44			SECOND CLASS.	
383	Tre	eks		1	1	Time Table No. 11 Effective OCTOBER 1, 1922	0.0	g signs.	384
Mixed Daily Ex Sunday	Passing	Other	Station	Distance	STATIONS.	Telegraph Calls	Distanse	Mixed Daily Ex. Sunday	
L 10.15A			C030	0.0	SUMAS, WASH	BU	46.8 R D W C	4 9.15km	
				0.0	INTERNATIONAL BOUND'RY		40.8		
10-16	26	,	CC28	0.1	HUNTINGDON		48.4 W	. 914	
• 10⋅30	40	21	CO26	3.6	ABBOTSFORD	FB	42.9 R D W	9.00	
≠ 10-45		7	CO21	8.1	SAREL		38.4	. 835	
s 11·05	62	21	CO16	12.7	ALDEROROVE	AG	33.8 D	. 820	
• 11.40	26		C012*	16.9	often		29.6	1 7.55	
■ 12-05h	64	18	COS	21.6	LINCOLN		34.9 W	. 7.25	
12.55	64	38	CL93	29.4	CLOVERDALE	CL	17.1 D XY	• 6.55	
f 1.15			CV4	33.4	ALLUVIA		13.1	. 6.40	
f 1.25		8	CV6	34.9	SOUTHPORT		11.6	1 6.35	
1 1.30				35.9	COLEBROOK JCT		10.6 Y	1 6.31	
1.35	65	80	CL96	35.9	COLEBROOK	g	10.6 R DN W	6.30	
1 358				36.7	QUICHON LINE JCT		9.4	1 5.45	
1 425			CV14	43.7	INVERHOLM		1.4	1 5.15	
1 445			CVIG	45.1	LADNER		1.4	1 5.05	
A # 5.00h		10	CV19	46.5	guichon		0.0 R Y	L 5.00An	
Daily Ex. Sunday								Daily Ex. Sunday	
383				40				384	
6.45 7.0	-	-	-	_	Time Over Subdivision	-		4 15	

WESTWARD, SIXTH SUB-DIVISION—ABBOTSFORD TO KILGARD, EASTWARD, 11

SECON	D CLASS	Capi of E	lide	.		Time Table No. 11				SECOND
	399				from	Effective OCTOBER 1, 1922	Calls	and a	SIGNS	398
	Mized Tuesday and	Passing	Other	Station	intane Manor	STATIONS	egrap	Pistance from Abbeteleni		Mired
	Friday	et.	ōF.	w.z	ದೆರೆ	The state of the s	F	24		Tuesday and
				CO40	0.0	CANNOR	CR	14.7		1
	L 9 2 0 km	40	5	CO31	9.7	KILGARD		8.0		As 920
	As 9.40km	37	31	CO26	14.7	ABBOTSFORD	ra	0.0	R D W	
	Tureday and Friday									Tuesday and Friday
	399									398
	15.2		_			Time Over Subdivision				15.20

Special Rules.

Eastward trains are superior to westward trains of the same class.

Maximum rate of speed for passenger trains between Abbotsford and Kilgard, 20 miles per hour, freight trains 15 miles per hour.

All trains reduce speed to 8 miles per hour over draw span Bridge 176 over Sumas River,

Classes D-5 and F-1 Engines are heaviest permitted between Abbotsford and Kilgard. Normal position switch Abbotsford Junction is for fifth Subdivision.

All trains sixth Subdivision will protect against all trains fifth Subdivision between Abbotsford and Junction one half mile east of Abbotsford.

INITIAL STATIONS.
Kilgard, for train No. 399
Abbotsford, for train No. 398.

TERMINAL STATIONS. Kilgard, for train No. 398. Abbotsford, for train No. 399.

Business tracks not shown as stations on time table.

NAME	LOCATION	OPENS	CAR
Kilgard Brick Spur	at Kilgard	West	12

Special Rules.

Eastward trains are superior to westward trains of the same class.

Bulletin boards are located at Sumas and Colebrook.

Maximum rate of speed for all trains between Guichon and Cloverdale, 15 miles per hour, Cloverdale and Abbotsford 10 miles per hour, Abbotsford and Sumas 15 miles per hour.
All trains will reduce speed to 10 miles per hour over draw bridges.

Classes D-5d F-1 Engines are heaviest permitted between Sumas and Guichon.

The normal position of switches at Colebrook Junction Guichon Line Junction are for main line. All trains Fifth Subdivision will protect against all Third Subdivision trains between Colebrook Jct. and Guichon Line Jct.

Eastward trains approaching Yale road crossing, which is first crossing east of Lincoln, will reduce to speed of 10

interLOCKING governing B. C. E. Ry. crossing, Cloverdale, B. C. Distant signal on north side is located 2,500 feet from crossing. Home signal is located 75 feet from crossing. Home signal on south side is located 15 feet from crossing and distant signal 1,500 feet from crossing. Derails are placed five feet inside each home signal.

INITIAL STATIONS.

Guichon, for train No. 384. Sumas, for train No. 383.

TERMINAL STATIONS. Guichon, for train No. 383. Sumas, for train No. 384.

YARD LIMITS.

Cloverdale yard limits extend to yard limit board at point about 2 miles north of Cloverdale on old line and to yard limit board at point about 1 mile south of Cloverdale on old line.

Business tracks not shown as stations on time table.

NAME	LOCATION	OPENS	CAPACITY
Gowdy Road Spur	1.5 Miles east of Ladner	West	
Patterson's Spur	0.9 Miles east of Inverholm	West	
Smith Road Spur	2.0 Miles east of Inverbolm	Both	
Matthew Road Spur	3.0 Miles east of Inverholm	Both	
Embree Road Spur	2.8 Miles west of Colebrook	Both	
Oliver Road Spur	1.7 Miles west of Colebrook	West	- 1
Gravel Pit Spur	0.7 Miles cast of Alluvia	West	
McLean Mill Spur	1.3 Miles south of Cloverdale	North	16
Federal Lbr. Co. Spur	3.6 Miles east of Cloverdale	West	16
Surrey Spur	1.1 Miles west of Cloverdale	West	3
McNair Spur	2.0 Miles porth of Clorestele	South	
David Bell Co. Spur	1.5 Miles north of Cloverdale	South	
Fernridge Lbr. Co. Spur	1.4 Miles west of Lincoln	West	
Mc Nair Spur No. 2	1.0 Miles west of Lincoln		1.5
Maddough and Huggard	0.5 Miles west of Lincoln.	East	
Clark's Spur	1.0 Miles west of Otter	West	45
Rarie Spur	1.0 Miles east of Otter		2
Singers Spur	1.0 Miles east of Aldergrove	West	
Fish Trap Pit	1.5 Miles west of Pinegrove	West	
Abbotaford Timber Spur		West	40
Account Timber opur	0.8 Miles west of Abbotsford	East	4

Car capacity of passing tracks based on 43 feet to the car inside of clearance points, and does not allow for engines and cabouses.

DERAIL SWITCHES

Chiwaukum House track. Chiwaukum House track.
Cascade Tunnel, east passing track lead, and motor shed track.
Tra. west end industry track, and at west and No. 3 track
outside shed, and west end No. 1 track.
Corea, west end industry.
Scenic, industry track
Alpine, industry track and mill spur.
Tonga Mill spur. Skykomish house track. Grotto, industry track and mill spur. Index, industry track.

Reiter, west and industry track.
Wailace Falls Logging Co.'s track.
Pacific Avenue, Brewery spur. Frye-Bruhn spur.
Everett, power house spur.
Skagit Crossing, English Log spur.
Mt. Vernon, Pacific Northwest Traction Co. transfer.
South Bellingham, house track.
Bellingham B. & N. transfer.
Ferndale, industry track.
Artisz, nower house. Ardley, power house transfer, Abbottsford, east end of passing track

COMPANY SURGEONS.

Dr. H. B. Zimmerman Chief Surgeon Railroad Building St. Paul. Dr. John T. Regers Consulting Chief Surgeon 4th Floor Hamm Building St. Paul. Dr. Warren A. Dennis Consulting Chief Surgeon 4th Floor Hamm Building St. Paul. Dr. Egil Boeckman Ophthalmic Surgeon 641 Lowry Building St. Paul. Dr. Edward Boeckman Ophthalmic Surgeon 648 Lowry Building St. Paul. Wenatchee DR. A. E. GEARHARDT Ca-binere DR. S. PARKER and HAYDEN Leavenworth DR. G. W. HOXXEY Skykomish DR. D. G. A. MOFFETT Sultan DR. H. W. BORTNER Monroe DR. H. K. STOCKWELL Everett DR. C. A. MEAD and W. T. FLYNN	DR. R. J. McCURDY.
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Delta-

D. MOORE, Dispatcher. E. O. WADHAMS, Dispatcher. T. H. REED, Dispatcher.

C. O. JOHNSON, Dispatcher.

H. L. CAULKINS, Dispatcher.

G. E. WELLEIN, Dispatcher. C. E. LAMKIN, Dispatcher. C. E. McKILLIPS, Extra Dispatcher. J. C. DEVERY, Chief Dispatcher.

M. J. WELSH, Trainmaster. I. E. CLARY, Trainmaster. T. B. DEGNAN, Supt. Terminals.