# GREAT NORTHERN RAILWAY

CASCADE DIVISION.

# TIME TABLE No. 77

TO TAKE EFFECT AT TWELVE-ONE (12:01) O'CLOCK A. M. PACIFIC TIME.

SUNDAY, OCTOBER 15, 1911

Superseding Time Table No. 76 and all Supplements thereto.

THIS TIME TABLE IS FOR THE USE OF EMPLOYES ONLY.

J. H. O'NEILL, Superintendent.

F. S. ELLIOTT, Asst. General Superintendent.

E. L. BROWN, General Superintendent.

W. C. WATROUS, General Supt. of Transportation.

GEO. H. EMERSON, Asst. General Manager.

J. M. GRUBER, General Manager.

	THIR	D CLASS.	Company of the last	100	and the	SECON	D CLASS.	2000	Section Sept.	Side Street	Name and	FIRST	CLASS.	BOY - AND		CAPA	CITY OF	SPOK!	AUGUST DOORS	T
T	A B	CLASS	715	1 4	1.5	JECON	411	(Section 1)	401		285	27	43	1	3	SIDE	TRACKS	from orth.	Time Table No. 77	3
2000	100	- 101	Mdse, Freigh	224 182			Fast Freight	<b>新年</b> - 東京	Fast Freight		Pamenger	Fast Mail	Pamenger	Passenger	Passenger	- 4	Trac	nee fr	TARDION AR BIT HE	
			Leave Daily Ex. Sunday				Leave Daily		Leave Daily	37.00	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Pass	Other	Distance	STATIONS.	
	PS Unite		Land Breakley	i		I REPORTED	1.00mm		8.00Am		Dany	11.40m	4.25m	1.85Pm	2.30km	1 60	492		LEAVENWORTH	
				187 S. P.			1.53		8.48			11.58	4.48	1-53	9.48	67		6.3	DRURY	
	THE R					10 10	2.45	CORN.	9.18	100	<b>建</b>	12.09kg	1 4.55	2.04	8.00	184	22	10.5	сні майким	
						N 10 10 10 10 10 10 10 10 10 10 10 10 10	8.05	THE R. P.	9.30			19.16	8.08	2.11	8.08	58	5	13.0		
10			PARTE PRODUCTION	ELEVIE			8.25		9.45			19.99	5.19	2.18	1 8.17	69	8	17.5	MASON CREEK	-
							8.40		10.00		A CAL	12.33	. 5.19	. 225	. 327	135	41	20.5	S 3.0	
	BERT S		Hart Grand	17/217			4.80	10000	10.55		and the last	19.44	5.40	2.45	8.45	70		24.9	A GAÝNOR	10000
	10 B			9800			5.05	BUSE.	11.80			12.54	1 6.55	8.00	4.00	140		28.0	3.1 EBERNE	
					16,000	1000	5.50 € 6.30		12.80fm			1.08	6.15	8.20	4-20	78	165	32.3	L. CASCADE TUNNEL	
23	tops and	illes insert from			FOT ACRE	125	6.45		19.55	acceptant.	2000	. 1.91	. 6.80	8.85	. 4.85	90	91	35.9	SOS STATE	_
	10-10	100		100	The same		7.08		1.25	-	1.00°E	1.81	6.41	8.46	4.46	63	9	39.5	S ALVIN	_
	3 3 3	The state of the s		- 18	THE RE	THE PER	7.20	THE REAL PROPERTY.	1.40		420 100	1.40	6.49	8.55	4.84	84	13	42.2	5	
		3 (2)		200P	107 30	100 THE	7.40		2.05	Roseller -	月間 (2)	1.50	. 7.00	4.06	1 5.04	69		45.2	3.0 SCENIC	
							7.55		2.20		5	2.00	1 7.10	4.15	5.18	60	6	48.3		
							8.10		2.85	Maria S	Tarina.	2.10	1 7.90	4.25	5.22	60		51.8	TONGA	
			9.00Am	10 - 100			8.80	-	3.00 3.30		7.80km	· 2.25 28 2.30	7.35 7.40	4.40 4.45	5.85 5.40	73	184	57.0	skykomish	
			9.15	Section 1			9.20		8.45		7.49	2.40	286 7-56	4.55	5.50	68	7	61.1		
			9.40				9.51	THE RULE	4.00		7.55	2.50	8.07	8.08	6.02	67				
		REK B	10.15		100	A No	10.08	choisi	4.20	RELYE	8.10	8.01	8.22	6.19	6.14	78	18	71.2		
			10.85				10.20		4.40	NUMBER	820	8.10	8.89	5.29	6.94	68	2	78.3	REITER	
		EVIET SH	11.13				10.80		4.55	F. (1, 1) 10	8.30	8.16	8.47	5.88	6.88	89	45	80.0		
			11.80	Bulling			10000			100	8.38	8.21	8.55	8.43	6.88		18	82.4		
			11.55	Sec. 250	N. 10-	ton	10.45	eren eren	5.20	1000	8.48	8.97	9 08	5.51	6.45	55	22	85.8	SULTAN	
			12.55Pm		J. H.		11.05	10.16	1-288 6-10		9.05	8.41	9.19	285-401 6-10	. 7.02	91	42	93.3	MONROE	
	WAS IN		1.55	On think	4 100		11.29	te la	6.40		9.25	8.55	9.37	6.28	7.18	52	25	100.2	SNOHOMISH	
			2.35			in the same	11.80		7.00		9.87	4.08	9.47	6.40	7.28	60	30	106.0	LOWELL	
					13-19	North Control	addisonal	60 an 16	No. 6	tolf all	9.40	4.08	9.82	6.48	7.82	44	100	107.6	PACIFIC AVENUE	-
											9.89	4.17	10.02	6.53	7.49	80	-50	108.7	EVERETT	
				36	LONG 13	WYO !	Calm	200	211.2	117 0	9.55Am	4.20A	10.08m	6.55Pm	7.45km	3		109.5	EVERETT JUNCTION	
			8.10fm		200	10 To Table 10	19.80Am	344	8.00fm		THE ST	SI AUTOMOTIVE		SAN A		85	600	109.3	Via N. P. Ry. DELTA	
		17 3	Arrive Daily Ex. Sunday	14 Res 14	or allo	112000	Arrive Daily		Arrive Daily		Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily			3 (5)	DESCRIPTION OF STREET	
			715		N A SU		411	ROBERT OF	401		285	27	43	1	3			20 10		

Fig. ELLIOTT, Agel. Coneral Superinteners

Time Table No. 77.	Pelce	AL SUITE	of the		FIRST CLA	5.		
In Effect Oct. 15, 1911.	from	Signs.	28	4	2	44	286	
CTATIONS	Distance		Express	Passenger	Passenger	Passenger	Passenge	
STATIONS.	Ā		Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	
LEAVENWORTH	109.5	R. DN WCTYO	P 8.00An	s 8.15Pm	1.25An	. 4.20Am	F. 350	
DRURY	103.2	DN	P 5.40	2.57	1.07	4.02		
CHIWAUKUM	99.0	DN W	P 5.80	2.45	12.57	8.52	tal.	
WINTON	95.5	DN	P 6.28	2.89	12.51	8.46	e de la constante	
NASON CREEK	92.0	DN	P 5.11	1 2.82	12.41	3.36		
MASON CREEK BE STORY OF THE STO	89.0	DNWY	5.03	1 2.25	12-33	327	Phone .	
QAYNOR	84.6	DN I	4.61	2.15	19.19	8.15		
BERNE	81.5	DN W	4.40	2.07	12.09Am	8.02	1866	
CASCADE TUNNEL TYE COMEA	77.2	RDNWT	420	1.55	11.57	2.50	(NEWS)	
	73.6	aDN WC I	4.02	1.40	11.40	. 2.82		
ALVÍN	70.0	DN W I	3.48	1-25	11.93	2.13	100000	
	67.3	DN I	8.82	1.15	11.13	2.02		
SCENIC	64.3	DN W F	8.20	1.08	. 11.02	1 150	1000	
NIPPON	61.2	DN W	8.04	1 12.48	10.45	1.84		
TONGA	87.7	DN P		1 12.37	10.88	1.99	100	
	82.8	Re DN WC Y P	228 2		10:15	1.05	8.10h	
arotro	48.4	, p		12.04Pm	10.01	12.51	1 7.55	
HALFORD	43.4	D W P		11.88	9.51	12.40	1 7.85	
	38.3	DN P		11.88	9.87	19.97	. 7.18	
REITER	23.2	WP		11.90	9.98	19.15	1 7.00	
	29.5	DN Y P	THE RESERVE	715	9.18	12.08	s 6.50	
STARTUP	27.1	P	200	11.08	Control of the last			
SULTAN	23.7	D P	1.27	11.09	9.14 9.08	19.04Am	6.48	
MONROE	16.2	DNW YP	ALC: N & Res	I RESIDENCE	102 (10 (10 ), 20 (1	11.58	1-401	
SNOHOMISH	9.3	DN P	12.56	10.49	8.54	11.44 · · · · · · · · · · · · · · · · · ·	s 6.10	
LOWELL	3.5	R DN P	Description of the last of the	10.89	8.39		5.55	
PACIFIC AVENUE	1.9	DN YP	12.43	10.20	8.97	11.17	. 5.87	
everett	0.8	K	12.40	10.18	8.94	11.14	5 5.84	
EVERETT JUNCTION		THE RESERVE AND PERSONS	19.86	10.10	8.20	11.10	. 5.80	
Via N. P. Ry.	0.0	R DN P	1230AH	10.05Am	8.15m	11.08Fm	5.20m	
DELTA		Re DN WCTYOP	Leave	Leave	Leave	Terre	Terro	
THE PERSON NAMED IN			Dally	Daily	Daily	Daily	Daily	
Time Over District Average Speed Per Hour	1		8.30 20.8	5.10	5.10	5.15	286 2.50 18.9	

West bound trains are superior to east bound 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 west bound trains must be clear at the time No. 27 is due to leave the next station in the rear where time is shown. 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.

Freight trains on ascending grade in either direction between Leavenworth and Skykomish will take siding at meeting point.

All trains will reduce speed to eight miles per hour through Martin Creek Tunnel and over bridges at either end.

All trains will reduce speed to te miles per hour over erosting just east of Pacific Re- Freight House.

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 trainmen examine each ear, then release them, and trainmen will again examine each ear and see that brakes release before giving the signal to start the train. Conductors must inform engineers 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, and from Chiwaukum to Leavenworth, and from Cascade Tunnel to Skykomish.

All retainers must be used from Cascade Tunnet to merrice, and the cast crossover switch Cascade Tunnel and the safety switch vest of Skykomish.

Trains are operated between a block post, 125 feet west of the east crossover switch Cascade Tunnel and the safety switch vest 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 their 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.

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

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

Bulletin boards are located at Leavenworth, Cascade Tunnel, Skykomish, Delta.

Semaphore located 1200 feet east of switch at Holmquist Spur half-mile east of Monroe.

Berlin and Baring and B. B. & R. Spur two miles east of Index will be flag stop for Nos. 285 and 286.

No. 43 stops at any station to let off passengers from east of Colber.

No. 44 stops at any station to pick up passengers for points south of Shelby.

Yard limit boards piaced each way from Skykomish, Cascade Tunnel and Leavenworth, and east from Pacific Avenue.

INITIAL STATIONS.

Leavenworth for trains Nos. 3, 1, 43, 27, 401 and 411.
Everett Jet. for trains Nos. 28, 4, 2, 44 and 286.
Stykomish for trains Nos. 285 and 715.
TERMINAL STATIONS.

INAL STATIONS.
Leavenworth for Nos. 28, 4, 2 and 44.
Skykomish for train No. 286.
Everett Jct. for trains 3, 1, 43, 27 and 285

Delta, 401, 411 and 715.

DERAIL SWITCHES.

All Switches.

Derail switches must always be set for derail except when in actual use, whether there are any cars on the tracks or not Cascade Tunnel cast passing track lead, 30 feet from main line.

Tye, west and Industry track.

Tye Safety Switch, 70 feet west of station, on main line.

Scenic Industry track.

Grotto, 150 feet east of west head block Industry track.

Halford passing track 150 feet and of west head block.

Index Industry track 120 feet from west head block.

Monroe Mill Spur, 200 feet from head block.

Derail Brewery Spur, Pacific Ave., 210 feet from head block.

Prye-Brunh Spur, 120 feet from Comsing Agnew Hardware Co. Spur

SUDINGS.

SIDINGS

Chiwaukum and Merritt. When trains meet at these points, rule 99 is modified to the extent that inferior trains will enter the switch at the lap, or or mitters facts with a most of any or the work with got he realised from solded formed because

NAME	LOCATION	OPENS	LENGTH	CAPACITY
Nippon Lumber Co.'s Spur	At Nippon	West		4
Seattle-Boston Copper Co. Spur	0.8 Miles west of Tongs	East East	300 feet	3
kykomish Mill Co.'s Spur.	0.3 Miles west of Skykomish	East	*********	20
reat Republic Mining Co., Berlin	1.5 Miles west of Skykomish	West		14
erlin Spur, Miller River Co	1.5 Miles west of Skykomish	West		4
rotto Lumber Co	0.3 Miles east of Grotto	East	1200 feet	25
. N. Shingle Co.'s Siding	3.5 Miles west of Grotto	Both ends		25
aring Cedar Co. Spur.	Off of G N. Shel Siding	East	2000 State (8000)	18
aring Granite Spur		West	450 feet	N. Carrier
B. & R. Spur.	2.0 Miles east of Index	West		5
leybrook Spur	1.5 Miles east of Index	East		2
mith Lumber Co	0.5 Miles east of Index	Past	********	12
oderburg Spur	0.7 Miles west of Index	East West	1504 SMT 607	10
obinson's Spur	0.5 Miles west of Gold Bar	Past	202-00-1002	10 26
asey's Spur	0.1 Miles east of Sultan	East East	******	
	4.7 Miles east of Monroe.	East	*******	Chevroll All
olmquist Spur	0.5 Miles east of Monroe.	East	********	ettall.
		East East	50. 10. 11.	100
onroe Gravel Pit	0.3 Miles east of Monroe	West	********	18 10 25 24
			********	10
agner & Wilson Lbr. Co. Spur	0.5 Miles west of Monroe	West	********	25
oodruff	2.0 Miles west of Monroe	Both ends	********	24
uscade Lumber Co. Spur	0.1 Miles east of Snohomish	East	*********	27 25
recepte Spur	0.5 Miles east of Lowell	Wort	********	25
ouse Track	0.0 Miles east of Lowell	East	********	25

			SECOND (		1	COND D			FIRST (	-		4 95 45 31			CAPAC	TY OF		AND IN COLUMN	1
THIRD	717	10-10-11	SECOND (	401	43	355	1	273	359	277	285	3	357	27	seks .	a a	rom	Time Table No. 77.	
100	Mdse Freight	n-Asia	Usarciile in	Fast Freigh	Passenger	Passenger	Passenger	Passenger	Passenger	Passenger	Passenger	Passenger	Passenger	Fast Mail	wing Tr	ber Tra	erett Ju	STATIONS.	-
-	Leave Daily			Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	P	9	Dist	STATIONS.	
-	4.00Pm	The state of	- F 2 M	2.80km	10.05Pm	8.20Pm	27s 6.55Pm	5.35Pm	2.10Pm	10.05 Am	9.55Am	7.45km	6.40Am	4.20An	3 3		100	EVERETT JUNCTION	-
				2.45	10.12	8.27	7.03	. 5.45	2.16	10.15	10.02	7.52	6.50	4.27		68	3.8	MUKILTEO	0 -
-	4.85			2.55	10 20	8.88	7.10	f 5.58	2.22	f 10.23	10.09	8.00	1 6.58	4.85		100	7.9	MOSHER	0081
-	5.05	FESTER IN		8.05	10.26	8.88	7.17	1 6.00	2.27	1 10.80	10.14	8 06	1 7.05	4.42		8	10.9	MEADOWDALE	E 76
-	5 25					8.45	7.24	s 6.10	2.33	10.40	10.21	8.15	. 7.15	4.51	1	37	14.8	EDMONDS	ACK
	6.00	47012		3.25	10.34			6.18	2.38	10.49	10.26	8.21	1 7.23	4.59		80	17.8	RICHMOND BEACH	
	6 80			3.35	10.40	8.51	7.31		-	11.00	10.86	380 8-32	1 7.85	5.12				METUM	
	7.00			4.05	10.51	9.02	7.49	6.29	2.47				. 7.45	5.20		183	26.9		
	7.10	-	Part Par	4 20	10.58	9.08	7.50	. 6.37		11 12	10.48	8.39			-	626	28.0	INTERBAY	
	7-20h	13		4.80km	11.02	9.19	7.55	8.42	2.57	11.17	10.47	8.43	5 7.50	5.95	80	415	29.3	1.3	TD.
	CAMP CONTRACTOR	S serior	Durabeter (	Market Market St.	11.07	9.17	8.00	6.47	3.02	11.22	10.52	8.48	1 7.55	5.80				3.4	ouble
					s 11.20mm	9.30fm	s 8.15Pm	s 7.00mm	s 3.15Pm	s 11.35Am	s 11.05Am	s 9.00km	8.10km	5.45Am		538	32.7		<
		do to				10.30Pm	8.85Pm	7 1 10	3.45Pm		60.0	1 0011	10.00Am	6.00Am		-		40.7	Z
						* 11.50Pm 11.59	s 10.10mm		\$ 5.00 5.05		001	C. STR	11.30	s 7.05Am				TACOMA	P
						s 6.00Am	Con Labor	Party.	s 10 00Pm	1.00	al 3011	the vill	s 5.00Pm	30.6			215.8	PORTLAND	_
	Arrive Daily	1907	119 119	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily					
	717			401	43	355	1	273	359	277	285	3	357	27	3	1 19	200	HUMBIATAS	
	3.20 8.4			2.00 14.0	1.15	1.10	1.20	1.25	1.05	1.30 21.8	1.10 28.2	1.15 26.2	1.30 21.8	1.25 23.0				Time Over District Average Speed Per Hour	

West bound trains are superior to east bound 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 west bound trains must be clear at the time No. 27 is due to leave the next station in the rear where

Double track between Everett Jct. and Metum and between G. N. Dock and Seattle

285 meets No. 4 and 718.

277 meets 718.

717 meets 286, 358 and 278.

273 meets 278, 358 and passes 717.

270 passes 718.

No. I meets No. 2. No. 43 meets No. 44 and 712 on double

track between Metum and Mukilteo.

All trains will reduce speed to 8 miles per hour passing through town limits of Edmonds and Ballard.

Control Manual Block System is in operation between Pacific Avenue and Everett Jct, between Metum and G. N. Dock.

Trains entering double track at Everett Jct, and Metum and at G. N. Dock and Seattle will not exceed speed of ten miles per hour.

Ballard, Edmonds and Mukilteo are fing stops for No. 4 to take passengers for Spokane or points east of Spokane.

Mile post 10 between Metum and Richmond Beach will be flag stop for 277 and 278.

Trains 1 and 2 will stop at stations between Tacoma and Seattle to pick up or let off passengers for or from points east of

Trains 1 and 2 will stop at stations between Tacoma and Seattle to pick up or let off passengers for or from points east of Seattle complying with N. P. time table schedule.

Ballard will be flag stop for No. 2 to take passengers for Spokane or points east of Spokane.

No. 43 will stop at any station to let off passengers from east of Colbert.

No. 44 will stop at any station to pick up passengers for points south of Shelby.

All Great Northern Trains between Seattle and Vancouver, Wash., will be governed by time table and rules of Northern Pacific Pallars.

Railway.

All Great Northern trains between Vancouver, Wash., and Portland will be governed by time table and rules of Spokaue,

Portland & Seattle Railway.

Yard limit boards east of Ballard covers limits to Seattle.

Bulletin boards are located at Interbay and Seattle.

#### INITIAL STATIONS.

Scattle for trains Nos. 360, 4, 270, 358, 286, 278, 2, 44, 28, 356.

#### TERMINAL STATIONS.

N. Dock and Seattle.

Interbay for trains Nos. 401 and 717.

357 meets 360 on double track between C.

#### DERAIL SWITCHES.

Mukiltee Lumber Co., Spur, 144 feet from head block. Richmond Beach, 120 ft. west H. B. Industry track.

INTERLOCKER governing C. M. & P. S. Crossing, just east of Drawbridge No. 4, Ballard.

Distant signal west bound located three thousand feet from crossing on right hand side of industry track, and is a bracket

Home signal is located 600 feet from crossing on right hand side of industry track, and is a bracket signal. The lower arm

is fixed, and denotes home signal, with derail fifty-five feet in advance.

Distant signal, west bound, is located twenty feet west of fixed signal for draw bridge No. 4. This signal is automatic Home signal east bound is located 500 feet from crossing under trestle, and has two arms. Lower arm is fixed, and denotes

home signal, with derail fifty-five feet in advance of signal. Printed instructions are posted in cabin for operation of this plant, Cabin is locked with G. N. and C. M. & P. S. Ry. switch

locks, so can get in cabin to operate plant.

INTERLOCKING governing N. P. Ry. Crossing just west of Interbay yard:
Westbound home signal is located 300 feet east of crossing. Eastbound home signal is located 300 feet west of crossing.

Both home signals have two arms. Top arm works from zero to 90 degrees up and is semi-automatic. Lower arm is fixed and denotes home signal.

Derails are located 55 feet in advance of home signals. Distance signal eastbound is located 3000 feet from eastbound home signal and works zero to 45 degrees up and is authomatic. Derails and dwarf signals on G. N. yard track are 150 feet from crossing,

east and west.

Derails on N. P. track are located 200 feet from crossing, with dwarf signal 5 feet from them.

Printed instructions posted in cabin for the operation of this plant. Cabin is locked with a G. N. switch lock and an N. P. switch lock, so trainmen from both roads will have keys to get into cabin to operate plant.

Derail on N. P. transfer track near Glass Works Spur in operation. Derail is pipe connected with switch stand. Transmen using this switch should see that all cars and engines are clear of derail before closing switch.

#### Business Tracks Not Shown as Stations on Time Table.

NAME	LOCATION	OPENS	LENGTH	CAR
Doucett Spur	0.7 miles east of Mukilteo	West West West East East		3 2 10  8 2 10

EA	CT	DO		10
EA	ST	DU	Un	w.

#### SECURD DISTRICT -EVERETT JUNGTION TO SEATTE

	ag a	HIP SELECT A				AND DETR	FIRST	CLASS.			South I to	Centra Open	Photos a	SECOND CLASS.		THIRD CLAS
Time Table No. 77.	from Sea	SIGNS. See Rule 7, page 15.	360	4	270	286	358	278	2	44	28	356	712	- EXT.	MAL	718
STATIONS.	tane		Passenger	Express	Passenger	Fast Freight	The state of the s	100	Mdse. Freight							
STATIONS.	ā		Arrive Daily	GA HERE	100	Arrive Daily										
EVERETT JUNCTION	32.7	R DN P	9.25Am	10.05Am	1.20Pm	5.20Pm	5.40Pm	6.50hn	8.15Pm	11.05Pm	1230Am	1.10Am	11.59Pm	The second second		1.30hm
	28.9	D P	s 9.19	9.58	1.12	1 5.11	5.83	6.40	8.09	10.59	12.23	12.58	11.50	The see		1 19
	24.8	P	t 9.10	9.51	1.02	1 5.01	5.26	r 6.31	8.02	10.52	12.16	1 12.48	11.35	The state of the s		12.85
MEADOWDALE	21.8	D	t 9.08	9.46	12.56	1 4.55	5.21	1 6.24	7.57	10.47	12.11	1 12.40	11.25	Total Control		12.20
EDMONDS	17.9	D W P	s 8.55	9.40	12 50	1 4.47	5 14	6.16	7.50	10.40	12.06Am	s/12.32	11.15			12.01Pm
RICHMOND BEACH	14.9	D P	8.44	9.34	12.41	. 4.38	5 09	6.09	7.45	10.35	11.59	f 19.24	11.08	THE RESERVE		11.05
6.2 METUM	8.7	DN	832	9.25	12.30	f 425	5.00	5.57	7.34	10.25	11.50	f 1911	10.50	The second		10.25
BALLARD	5.8	D	8.23	9.19	12.24	f 4.19	4.54	5.50	7.29	10.19	11.44	19.05	10.40	Le Si Si Si		10.10
INTERBAY	4.7	Re DN WCTOPK	8.15	9.15	12.20	4.15	4.50	5.45	717 7-25	10.15	11:40	s 12.01Am	10.30Pm	100		10.00km
a. N. DOCK	3.4	DN P	8.10	9.10	12.15	r 4.10	4.45	5.40	7.20	10.10	11.35	f 11.55		The second		
SEATTLE	.0	R DN I PK	8.00Am	9 00km	12.05Pm	4.00Pm	4.35Pm	5.80Pm	7.10Pm	10.00Pm	11.25Pm	11 45Pm				
SEATILE	183.1		s 7.30Am	72-E	62.6		s 4.15Pm		6.50Pm	100	11.10Pm	s 11.15Pm		- drag		
40.7 TACOMA	142,4		6.05 6.00Am			-	s 2.55Pm		5.25hn		10.00Pm	10.05		100	Pallet 19	
PORTLAND.	.0		12.15Am		Traffic	100	10.00Am	10			1 15 1	5.00Pm	ME ETE ET	SERVE S		
			Leave Daily	Too.		Leave Daily										
			360	4	270	286	358	278	2	44	28	356	712		2.50	718
Time Over District Average Speed Per Hour	100		1.20	1.05	1.15	1.20	1.05	1.20 24.6	1.05 30.1	1.05 30.1	1.05	1.25	1.29		1000	3.30

#### **Automatic Block Interlocking Signals and Semaphores**

Everett Junction interlocking, westbound home signal, (high line), is located 200 feet from westbound crossover switch, and has three arms; the top arm is for main line trains through crossover; the second arm fixed; bottom arm for diverging

Westbound Home Signal, Coast line, is located fifty-five feet from east end of eastbound crossover switch and has three arms; top arm is for main line; second arm fixed; bottom arm crossover movements.

Distant signals, westbound high line and Coast line, are located 3500 feet from home signal, and work from zero to 45°. First automatic signal west bound, is 2500 feet west of Everett Junction. From first automatic signal to Metum, they are located about 7500 feet apart.

G. N. Dock to Seattle first automatic signal westbound is located 500 feet from G. N. Dock; second 3000 feet; third signal is distant signal for No:th Portal Interlocking Plant.

First automatic signal east bound is located 3000 feet from eastbound home signal, North Portal; second 3000 feet from first one; next signal is Manual Controlled Block for G. N. Dock.

First automatic signal as Manual Contoneu sides for A. Dock.

First automatic signal at Metum is located 3000 feet west of end of double track, and works from zero to 45°. Signal at 45° shows clear track to second automatic signal located on double track. F. om Metum to Everett Junction, signals are about 7500 feet apart, to Home signal for interlocking plant at Everett Junction.

Eastbound home signal, Everett Junction Interlocking is located 200 feet from west end of eastbound crossover switch, and has two arms; Top arm is for main line to St. Paul, lower arm for crossover up the Coast line.

Semaphores at Pacific Avenue and Metum for westbound trains, and at G. N. Dock and Everett Junction for east-bound trains, will be used for manual controlled block.

For Further Instructions and Diagrams see page 14.

#### South bound trains are superior to north bound trains of the same class.

All trains will reduce speed to 8 miles per hour over all draw bridges. Everett yard limits includes Delta yard and from North end of Draw Bridge 11 to yard limit board south of Everett Junction.

711

5.10

Blaine for trains Nos. 277, 711 and 720. Bellingham for trains Nos. 279 and 713. Burlington, for train No. 280. Delta Wye, for trains Nos. 712, 714, 717. Everett Jct., for trains Nos. 270, 358, 360, 356, 278, 718 and 712. Fraser River Jct., for trains Nos. 386 and 398. New Westminster, for train No. 385. Vancouver, for trains Nos. 359, 355, 273, 357, 397 and 719.

#### TERMINAL STATIONS.

Blaine for trains Nos. 278, 712 and 719. Bellingham, for trains Nos. 280 and 714. Burlington, for train No. 279. Delta Wye, for trains Nos. 711, 713, 718. Everett Jct., for trains Nos. 359, 355, 273, 357 and 277. Fraser River Jct., for trains Nos. 385 and 397 New Westminster, for train No. 386. Vancouver for trains Nos. 270, 358, 360, 356, 398 and 720.

279

8.208-

Arrive Daily

355

2.17

5.35P

Arrive Daily

273

2.10Pm

Arrive Daily

359

## DERAIL SWITCHES.

10.05Am

Arrive Daily

277

Chuckanut, east end siding. B. B. & E. Transfer Track east end.

6.40Am

Arrive Daily

357

3.40

Interlocking System,-Governing movement of trains N. P. crossing and Bridge 10 just north of Delta Wye.

EVERETT JUNCTION . .

Time Over District Average Speed Per Hour

JN

All south bound trains from Vancouver 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 Dayaide. lower arm 90 degrees up proceed to Delta yard. A Caution Fixed Signal is Jocated 2500 feet north of Two Arm Home Signal.

Train movements from Bayside to Vancouver will be governed by top arm on Two Arm Home Signal located 60 feet south of wye switch, and by Two Arm Home Signal located on trestle 500 feet south of draw span. A Caution Fixed Signal is located to the trestle 500 feet south of draw span. ted 2000 feet south of wve switch.

Train movements from Delta to Vancouver will be governed by top arm on Two Arm Home Signal located 60 feet south of ways switch, and by Two Arm Home Signal located on treatle 500 feet south of draw span.

Trains between Delta and Bayside will be governed by bottom blade on two semaphore located 60 feet south of wye switch

Interlocking system in use bridge 10, 11 and 12 between Delta and Marysville and at Skagit R. R. Crossing one mile south of Fir.

All trains will reduce speed to 8 miles per hour passing through town limits of Marysville, Mount Vernon, Burlington and over Bond St. eet and Hewitt Ave., Everett. Side clearance Tunnel 20, one-quarter mile south of Sockeye, not good. Clear-

ance four feet, standard six feet. Register for Delta Wye is located on ground floor interlocking plant.

4.00Pm

Arrive

717

0.25

Arrive Daily

713

9.00

Bulletin boards are located at Burlington and Bellingham.

Norman, one mile north of Silvana is flag stop for Nos. 277 and 278.

Steam whistle signals for tracks with switches controlled from Interlocking

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.

Semaphore located 1200 feet south of south switch South Bellingham. Yard limit boards placed each direction Burlington, South Bellingham and Bellingham.

## NORTH BOUND.

## THIRD DISTRICT-EVERETT JUNCTION TO BELLINGHAM.

			,	MAJO TRIB	F	IRST CLAS	s.	of our shoulds for	SECOND CLAS	S. THIRD	CLASS
Time Table No. 77. In Effect Oct. 15, 1911.	Distance from Everett Junction	SIGNS. See Rule 7, page 15	356	360	270	358	278	280	712	714	718
	tance		Passenger	Passetiger	Passenger	Passenger	Passenger	Passenger	Fast Freight		Mdse. Freight
STATIONS.	A.		Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Dally	Arrive Daily	Arrive Daily	Arrive Daily Ex. Sunday	Arrive Daily
BELLINGHAM	64.1	Re DN CWTK	s 4.25Am	s 12.30Pm	. 4.00fm	s 7.45fm	s 9.40Pm	s 9.80Am	6-30km	3.30Pm	
SOUTH BELLINGHAM	61.2	D W	s 4.12	s 12.15	s 8.49	. 7.33	. 9.29	s 9.15	6.15	273 2.52	
sockeye	57.2	Branch SE	f 402	f 19.03fm	3.41	7.25	t 9.20	f 9.04	6.00	2.35	Septem.
	51.6	w	357 3 50	11.51	8.81	7.15	f 9.10	8.51	5.40	2.00	WA.
BLANCHARD	50.9	Je p wast		s 11.48	F63		1 9.08	f 8.49		DESIGNATION OF THE PERSON OF T	
3.4 BOW	47.5	D	s 3.88	11.41	278 3.25	7.09	9.02	713 8.40	5.25	1.20	
BELLEVILLE	42.9	D	. 3.28	s 11.81	3.16	7.00	s 8.53	8.97	5.10	359 12-47	
BURLINGTON	40.3	R DN COWYX	s 3.20	11.25	8 3.10	355 6-55	s 8.47	277 8 20/m	5.00 357 430	12.15hs36 10.30 71	3
	36.2	DN	a 8.05	· 11.10	s 2.55	8 6.45	8.34		4.10	10.00	
5.4 FIR	30.8	D	. 2.45	s 10.58	. 2.42	6.37	s 8.20		3.50	9.20	Single
milltown	29.1	BELLINE EX	Louis P.	10.46	1 9.36		8.14		L New Town		1000
	23.7	DN	. 2.25	10.87	. 2.27	6.26	8.05		8.25	277 8-47	Ser ill
SILVANA	18.2	D W	s 2.11	10.23	. 215	6.18	. 7.51		3.05	8.15	
ENOLISH	14.1		1 1.59	f 10.18	713 2.05	6.11	t 7.42		250	785	
	7.1	DN	1.42	9.59	359 1-50	6.01	. 7.95		215	6.45	
DELTA WYE	4.4	R IY	1.30	9.49	1.40	5.55	7.10		2.00An	357 6-15km	359 1-658m
LONG SIDING	3.4		1.27	9.45	1.87	5.52	7.07				1.45
EVERETT	0.8		1.20	9.35	s 1.30	s 5.47	s 7.00			HE WAS TO	1.35
EVERETT JUNCTION	0.0	R DN	1.10km	9.25km	1.20m	5.40Pm	6.50fm				1.30Pm
		the light of	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily Ex. Sunday	Leave Daily
			356	360	270	358	278	280	712	714	718
Time Over District Average Speed Per Hour		LINKER	3.15 19.7	3.05 20.	2.40 23 8	2.05	2.50 22.2	1.10	4.30	9.15 6.7	0.25 10.5

#### Business tracks not shown as stations on time table.

NAME	LOCATION	OPENS	LENGTH	CAPACITY
Chuckanut Quarry Spur	1.0 Miles north of Sockeye	North		38
Chuckanut Cannery Spur	0.7 Miles north of Sockeye	North		3
Blanchard Spur	0.5 Miles south of Samish	North	A 100 000 000 000	30
Winner Shingle Co.'s Spur	0.2 Miles south of Bow	North		6
Sound Shingle Co's Spur	2.9 Miles porth of Belleville	South	P1 200 (0.000)	6
Burlington Cuarry	0.5 Miles north of Burlington	South		11
amar Spur	1.5 Miles south of Burlington.	South		2
ittle Mountain Spur	1.7 Miles south of Mt. Vernon	South		3
kagit Crossing Tr. Track	0.9 Miles south of Fir.	South		6
Iawley Spur	1.3 Miles south of Fir.	North		6
forrison Mill Spur.	2.1 Miles south of Fir.	South	2000 000000	8
Cetchum Spur	2.5 Miles porth of Stanwood	South		4
Ial's Spur	1.4 Miles south of Stanwood	South		2
Torence	1.5 Miles south of Stanwood	North		4
anner	2.0 Miles south of Stanwood	South	*********	3
Rabel's Spur	1.8 Miles north of Silvans	North		2
Vorman Spur	1.1 Miles south of Silvana	South		2

200000	traces not snown as stations on time ta	Die.		
NAME	LOCATION	OPENS	LENGTH	CAR CAPACITY
Summit Mill Co	0.1 Miles north of English	South		2
Kennedy Spur	4.2 Miles north of Marysville	South		6
Kruse Bros. Spur	2.5 Miles north of Marysville	North		2
Cox's Spur	1.4 Miles north of Marysville	North		4
Union Slough	1.5 Miles south of Marysville	South	*********	6
Old Main Line	1.5 Miles south of Marysville	South		6 30 14
Transfer Track	0.8 Miles north of Long Siding	North		14
Blackman Spur	0.4 Miles south of Long Siding	North		7 20 50 7
Weidauer & Landsdown Spur	0.0 Miles south of Long Siding.	South		20
Neff's Spur	1.0 Miles south of Long Siding	North		50
Wheelihan Spur	1.1 Miles north of Everett	North		7
Log Dump Spur	1.0 Miles north of Everett	North		21 31 26
Clark Nickerson Mill	1.0 Miles north of Everett	North	*********	31
Everett Milling Co,	0.7 miles north of Everett	North		26
Nickerson Machinery Co	0.0 Miles north of Everett	South		4
Nail House Spur	0.8 Miles north of Everett Jct	South		24 38
Weyerhauser Timber Co	0.2 Miles north of Everett Jet	North		38

o South Books	8	SOUTH	BOUND.
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#### THIRD DISTRICT-VANCOUVER TO BELLINGHAM.

THIRD	CLASS.	SE	COND CLA	ss.	De take	F	IRST CLAS	5.		CAPA	CITY OF TRACKS		Time Table	11/8
	719	711	385	397	277	355	273	359	357	ingTracks	Tracks	Distance from Vancouver	No. 77.	h Calls
	Mdse. Freight	Fast Freight	Mixed	Mixed	Passenger	Passenger	Passenger	Passenger	Passenger	alog.	10	tance		Telegraph
-51	Leave Daily	Leave Daily	Leave Daily Ex. Sunday	Leave Daily Except Sunday	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Pag	Other	Var	STATIONS.	Tel
Fell	8.45Am			2.00Pm		4.00Pm	12.15Pm	10.00Am	12.15Am		65	0.0	VANCOUVER	V
276	8.50			2.05		4.04	12.20	10.04	12 20			0.7		
	9.00			f 2.10		4.09	1 12.25	10.09	1 12.26	43		3.5	STILL CREEK	
	9.10			1 2.15		4.12	1 12.28	10.19	1 12.30	15	10	5.3	ARDLEY	
	9.20	DE TEN	100	1 2.22	ac in	4.17	f 12.33	10.16	1 12.36	41		7.9	BURNABY	
	- water		EIE TH				105		10 - 1 -			12.9	SAPPERTON WYE	
	9.45	MITA.	100	. 2.83		4.24	f 12.42	10 24	12.49	29		13.1	SAPPERTON	
	9.55		1.00Pm	s 2.40	180	4.28	12.47	s 10.28	12.55		62	13.8	NEW WESTMINSTER	MN
167	10.00	Total Control	1.10Pm	360 2.45Pm	100.04	4.83	12.52	398 10 33	1.00			14.2	FRASER RIVER JUNCTION	
	10.20					720 4.42	1 1.01	10.42	1 1.10	67		19.4	TOWNSEND	
	359 1050				III E	1 4.51	1.14	f 10.50	s 1.20	67	62	24.8		a
	11.15			Told in a		4.57	1.23	10.57	f 1.28		11	28.4	CRESCENT	
Be II	11.45	25 910				s 5.07	. 1-37	s 11.07	. 1.40	30		33.2	WHITE ROCK	, WE
		98.00						- E (5)				36.2	INTERNATIONAL BOUND	
7,000	12.15Pm	5.45Pm		3300	6.15Am	. 5.20	· 1.50	. 11 20	. 200	68	91	36.7	BLAINE	BN
	-	6.20		1000	6.30	5.38	2.06	11.33	. 2.20	42	5	44.2		cu
	1				1 6.35		f 2.10		1 2.26			46.9	ENTERPRISE	
		6.50		4000	6.44	. 5.48	. 2.17	11.43	. 2.35	43		49.8	FERNDALE	FD
				1060.0	6.49		1 2.22	The state of	9.40			52.0	BRENNAN	
TEN	-	358 7.30Pm			712 7.05Am	■ 6.00Pm	. 285Pm	• 11.58km	s 2.55km	42	202	58.8	BELLINGHAM	нм
7	Arrive Daily	Arrive Daily	Arrive Daily Except Sunday	Arrive Daily Except Sunday	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily					
	719	711	385	397	277	355	273	359	357				The Part I was a con-	
	3.30	1.45	.10	1.45	20.0	2.00 29.4	2.20 25.2	1.58 29.6	2.40 22.1	1			Time Over District Average Speed Per Hour	

#### Special Rules.

### South bound trains are superior to north bound trains of the same class.

South bound trains are superior to north bound trains of the same class.

The normal position of switches at Colebrook Junction, Guichon Line Junction and Fraser River Junction will be for main line. Ferndale will be flag stop for 358 for passengers from Everett and south of Everett.

Custer will be flag stop for 355 for passengers for south of Seattle.

Semaphores for protection of draw on Fraser River bridge between Fraser River Junction and New Westminster are located on south and north ends of bridge.

All trains will come to full stop within 50 feet of home signal on either side of Fraser River Bridge and will not proceed until clear signal is displayed and will not exceed a speed of six miles per hour over this Bridge. All trains will reduce speed to 8 miles per hour over all other draw bridges.

All trains will reduce speed to 8 miles per hour through city limits Blains.

No trains in either direction will cross International Boundary at Blains and White Rock without permission of Customs Officers, Yard limit boards at Bellingham, New Westminster and Vancouver.

All trains to and from Sixth district will protect between New Westminster and Fraser River Junction.

Bulletin boards are located at Bellingham and Vancouver.

Trains 359, 270, 355 and 358 will register by card at Colebrook.

NEWALL SUTICHES. Ferndale, 200 feet from east head block passing track.

New Westminster Interlocking System.—Signal tower is located 3,094 feet north of north end of Fraser River Bridge tracks and New Westminster. Distant Semsphores are located 1,200 feet south and north and Home Signals are 500 feet south and north of two, respectively.

Interlocking plants are in use on bridges 69 and 70 between Crescent and Colebrook. Home signals are located 600 feet north and south of both bridges. The caution fixed signals are located 3000 feet from home signals. All signals have standard Indications.

Interlock system used on bridge 64, 1,000 feet south of Ferndale. Derails located 55 feet in advance of home signals.

#### THIRD DISTRICT-VANCOUVER TO BELLINGHAM. FIRST CLASS. SECOND CLASS. THIRD CLASS. Time Table No. 77. 356 360 270 358 278 398 386 712 720 SIGNS. See Rule 7, page 15 hqa In Effect Oct. 15, 1911 Mdse. Freight Pamenger Passenger Mixed Mixed Fast Freight STATIONS. Arrive Daily Arrive Daily Arrive Daily Except Sunday Arrive Daily Arrive Daily Arrive Daily Arrive Daily .... VANCOUVER ..... VN 58.8 Re DN WC O K 7.30Am s 3.30Pm ■ 6.80Pm ■ 10.00Pm 11.25Am 6.15Pm ......WYE..... 58.1 6.05 7.24 6.23 9.53 11.20 ....STILL CREEK..... 55.3 6.17 9.47 11.12 5.55 7.18 f 8.19 .....ARDLEY..... 53.5 9.48 5.45 7.13 3.15 6.13 11.07 BURNABY..... 50.9 7.05 f 8.10 6.07 9.37 11.00 5.85 ...SAPPERTON WYE... 45.9 YK .....SAPPERTON..... 45.7 6.54 1 2.57 5.58 9.28 10.47 5.20 NEW WESTMINSTER.... MN 45.0 R DN 5.10 2.53 5.55 9.25 10.42 11.10Am 2.47 FRASER RIVER JUNCTION 359 10-35km 44.6 6.42 5.48 11.05Am 5.00 .....TOWNSEND..... 355 39.4 6.30 2.35 5.40 9.10 .... COLEBROOK ..... 34.0 R DNWY 2.20 6.81 9.00 4.05 ..... CRESCENT 30.4 2.05 8.80 1.50 273 355 5-07 25.6 8.00 5.45 INTERNATIONAL BOUND 22.6 ....BLAINE..... 273 2.05Pm 22.1 R DNTW 0 5.25 1.80 4.50 8.25 s 10.30Pm 9.00km ..... CUSTER..... 14.6 5.07 1.18 4.88 s 10.15 8.25 ....ENTERPRISE..... 11.9 1 1.05 1 10.07 4.59 ....FERNDALE..... 9.0 4.54 12.57 4.90 8.05 € 10.02 7.50 ....BRENNAN..... 6.8 4.45 12.50 9.56 ....BELLINGHAM.... 711 7.50mm 277 7.05km 0.0 Re DN CW T 1 4.80km 12.85Pm 4.05Pm 9.45Pm

Leave Daily

270

Leave Daily

360

2.55

Leave Daily

358

2.10

Leave Daily

278

Leave Daily Leave Daily Except Sunday Except Sunday

398

17.3

386

Leave Daily

712

1.55

Leave Daily

720

	Un	w	-	v	·	171	<b>.</b> .	

Business tracks no	t shown as stations on time tab	le		B.
NAME	LOCATION	OPENS	Length	Car Capa- city
Maddoughs-Shaw Spur	0.7 Miles north of Ardley	North		5
Wolfs Spur		North		4
Mill No. 2 Spur	0.7 Miles south of Burnaby			22
Pifers Mill Spur	3.0 Miles north of Sapperton			8
Sand Pit Spur				18
Distillery Spur		South	1	
Blaine Spur				
Blaine Shingle Co.'s Spur	2.0 Miles south of Blaine	South		9
Blaine Spur	1.9 Miles south of Blaine	South	1000	1000
Shelton Spur (off Blaine Spur)			24.00	2
City Dock Spur (off Blaine Spur)				81
Erie Mill Spur (off City Dock Spur)				6
Monarch Mill Spur (off City Dock Spur)		South	2000	14
Barge Spur (off City Dock Spur)	. 0 Blaine	South		5
Melrose Spur				4
McDonald Spur	. 1.2 Miles north of Custer			2
Enterprise Spur				3
Sand Pit Spur				13
Henry Spur		South	1333	2
Marietta Spur		South		2
mariesta opur	. 0.0 times north of Dennigham	Double		

WES	T				CHERRY VALLEY BE	RAN	CH						E	AST
SECOND CLASS	FIRST	Capa Side	city of Tracks		Time Table No. 77	Tit.				H			FIRST	SECOND
393	391	Tracks	Fracks	from	In Effect Oct. 15, 1911	from	Calls		SI	GNS			390	392
Mixed	Passenger	T au	1 2	nee i	STATIONS	nuce )	raph					-	Passenger	Mixed
Leave Daily Except Sunday	Leave Daisy	Pass	Other	Distance	STATIONS	Distar	Teles	10				1	Arrive Daily	Arrive Daily Except Sunday
11.00Am	6.20Pm		100	0.0	MONROE	17.6	Ro	D	N	Y V	P		9.00Am	s 3.30Pm
s 11.45	8.50	35	1	9.1	DUVALL	8.5		D			P		8.15	s 2.35
s 12.30Pm	s 7.15Pm	33	45	17.6		0.0		D	T	w	P		7.40km	2.00Pm
Arrive Daily Except Sunday	Arrive Daily					168					1	1	Leave Daily	Leave Daily Except Sunday
393	391					300	163						390	392
1.30 11.7	19.4		1		Time over District Average Speed per Hour							1	1.20 13.2	1.30 11.7

Leave Daily

356

3.00 19.6

Initial Stations | Tolt 390-392, Monroe 391-393, Terminal Stations | Monroe 390-392, | Tolt 391-393

Time Over District Average Speed Per Hour

Eastbound Trains have right of Track over Westbound Trains of the same class.

NAME	LOCATION	OPENS	LENGTH	CAPACITY
Stephens Bird Ind, Spur Stephens Bird Logging Co.'s Spur Cerenis Spur C. B. Spur O'Neil Gowan Spur. C. V. Log. Co.'s Spur. Novelty Spur.	3.5 Miles west of Monroe. 3.8 Miles west of Monroe. 4.6 Miles west of Monroe. 5.2 Miles west of Monroe. 6.4 Miles west of Monroe. 7.3 Miles west of Monroe. 11.6 Miles west of Monroe.	West East West East West West West	510 ft. 388 ft. 268 ft. 418 ft. 485 ft. 474 ft. 658 ft.	10 7 6 8 9 9

THI	RD CLASS	3.	SECOND CLASS.		FIRST	CLASS.	-	CAPAC	TRACKS		AND DESCRIPTION			3444		,	FIRST CLA	55.		THIRD	CLASS.
	724	726	400	284	292	290	280	racke	cks	from	Time Table No. 77.	Calls	from	SIGNS.	289	279	293	291	283	725	723
м	dse. Freight	Mdse. Freight	Mixed	Passenger	Passenger	Passenger	Passenger	T Mai	T. Tra	Ance		graph	ane l	See Rule 7, page 15.	Passenger	Passenger	Passenger	Passenger	Passenger	Mdsc. Freight	Mdse. Fre
	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	1 2	o di	Bool	STATIONS.	Tele	Dist	THE DEVIEW	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive
	6.15Am					4.10Pm	6.00Am	42	150	L.	ROCKPORT	RK	53.7	R D YW	. 2.10fm	. 9 10Pm	2253	Land		-15 T. 11 12 19 1	5.00
	6.35					t 430	1 6.17	22		5.8			47.9	and Janes	t 1.50	1 8.54					290 4.30
	7.05	100 to 20	Must be mil	Parket eta		4.44	6.26		3	9.1		BA	44.6	D	. 1.87	. 8.43			died .	Tall burds	8.45
	8.00	L. Hors				t 4.50	f 6.82	39		10.2			43.5	w	f 1.95	f 8.83		Delega Si	1 2 20	1000	8.00
	8.25	1				5.03	6.47	43	1 0	15.5	BIRDSVIEW	200	38.2	THE PLAN	. 1.10	. 8.20	132			20 E Bell	2.30
	8.50		Comment of		The state of	5.18	7.02	38	10	20.6		н	33.1	D W	s 12.55	8.07	9. 821		ni ali	58 5 M G	2.00
	9.25	Charles B	Part of the			. 5.31	. 7.13		25	23.9	3.3 LYMAN	MY	29.8		12.40	. 7.55	THE .			illered, und	1.30
	9.50	The E				1 5.48	t 7.97	22		29.2			24.5	100 mm 12 mm	f 12.22	1 7.40	PR.	BE CHIL		Limmon	19.45
	10.20	8.30Am	facility estables	Chiperon.		6.05	725	35	64	32.4	SEDRO-WOOLLEY	WL	21.3	R D K	12.10mm	. 7.31	SHE .	EVI IN		280 7-30An	12.30
				H-1		1 6.19	1 7.48		7	34.7			19.0	Bra. Pinas	f 11.58	1 7.19			R. URS	All Carries	
	10.45Am	8.50 11.15 291	8.35Am	7.15hm	11 50Am	6.25Pm	8.00Am	48	225	37.2	BURLINGTON	BU	16.5	R DN COWYX	724 11-50km	7.10Pm	8.00Am	* 11.15Am	. 6.25Pm	7.10 6.15	12.01
		11.30	8.43	7.24	. 11.58				25	40.0			13.7	DAN SCHOOL	O THE PARTY	1912/10/1	. 7.49	. 11.05	. 6.14	6.00	
		11.40	8.50	7.88	f 12.06Pm	a Vereil	THE LIES		7	42.6	FREDONIA		11.1	Efeke Kristins	A PORT	20 0 - 6 - 6	f 7.41	f 10.58	f 6.06	5.45	loca
1 8		11.55	8.57	7.40	. 1215	- 39.49	SPREATE TO SERVICE STATE OF THE SERVICE STATE OF TH	25		44.1			9.6		Mark Control	1986	s 7.85	10.53	s 6.00	5.35	MI OF
		Ellin					T. de la		1800	45.3	DRAW BRIDGE	10/12	7.4	THE R. P. LEWIS CO. P.	N TORRES	No other	Brest.	1000		100	
		12.20Pm	9.16	7.58	1 12.80	73/4				49.6		100	4.1	die jake	# (168) T	Martin	f 7.21	f 10.87	1 5.46	5.15	
		12.30m	9.80Am	8.10m	12.40m		24/11		94		ANACORTES.	AC		R D T W	A Carrie	52 95.0	7.10Am	10.25Am	5.85m	5.00Am	erter;
	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily							Stade Polisian	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily
	724	726	400	284	292	290	280			EV.			100		289	279	293	291	283	725	723
	4.30 8.3	4.00	18.2	18.2	19.5	2.15 16.6	2.00 18.6				Time Over District Average Speed Per Hour	260		OFF CARRY	2.20	2.00 18.6	19.5	19.5	19.5	2.30	5.00

East bound trains are superior to west bound trains of the same class.

No. 724 has right over No. 723, Rockport to Burlington, Yard limit boards are located at Burlington and Amscortes. All trains will reduce speed to 8 miles per hour over all draw bridges Bulletin boards are located at Amscortes, Burlington and Rockport.

AL STATIONS.

Anacortes for trains Nos. 291, 293, 283 and 725.

Rockport for trains Nos. 280, 290 and 724.

Burlington for trains Nos. 292, 284, 400, 289, 279, 723 and 726.

TERMINAL STATIONS.

Anacortes for trains Nos. 292, 284, 400 and 726.

Rockport for trains Nos. 289, 279 and 723.

Burlington for trains Nos. 280, 290, 293, 291, 283, 724 and 725.

NAME	LOCATION	OPENS	LENGTH	CAR
auk Spur	2.0 Miles west of Rockport	West		2
wer Mill Co	0.3 Miles west of Faber	East		19
n Horne's Spur	0.5 Miles west of Faher	East	*********	16
rpst Lumber Co. Spur	0.8 Miles east of Faber	West		3
shington Port Coment Co	0.7 Miles east of Concrete			30
perior Portland Cement Co. Spur	0.7 Miles west of Concrete	West		28
mee Shinele Sour	0.4 Miles west of Grassmere			3
rpee Shingle Spur	2.0 Miles west of Grassmere			2
Cana	0.2 Miles west of Hamilton.			
L. Spur			********	
p Ranch Spur	0.8 Miles east of Lyman			22
git Mill Co. Spur	Lyman	West		
CHOCK-Velly	U.I miles west of Lyman	West	********	3
ikler's Mill	3.0 Miles east of Cokedale Jet	Both ends		13
en Mill Spur	3.3 Miles east of Woolley			22
ind Iron Spur	Woolley	West		7
brook's Spur	0.4 Miles west of Woolley	West		8
rlington Mill Spur	0.6 Miles west of Burlington	West		6
rth Avon Lumber Co. Spur	0.3 Miles west of Avon	West		2
wkin's Spur	0.7 Miles east of Fredonia	East		7
lahan-Abbott Spur	Fredonia	West		6
vel Pit Spur	5.9 Miles east of Anacortes	West		9
Rollway	1.5 Miles east of Anacortes	Both ends		22
algo Island Shingle Co. Spur	4.6 Miles east of Anacortes	East		2 3
algo Island Shingle Co. Spuralgo Mill Spur	2.3 Miles east of Anacortes	East		3

CLASS.	SECOND			334		Sumas	TACKS	CAPAC SIDE T	55.	COND CLA	SE
388	398	SIGNS. See Rule 7, page 15.	from	Telegraph Calls	Time Table No. 77.	from Sur	Tracks	Tracks	397	397	387
Mixed	Mixed		Distance Guichon	dua	Augus pintessissions	anne a	6	ing 7	Mixed	Mixed	Mixed
Arrive Dai Except Sun	Arrive Daily Except Sunday		Conjus	Tele	STATIONS.	Distan	Other	Passing	Leave Mon., Wed., Fri.	Leave Tae., Thur., Sat.	Leave Daily Except Sunday
s 6.45h		D CW	46.5	su	SUMAS, WASH	0.0	7704	1		Test at	7.00Am
			46.5		INTERNATIONAL BOUNDARY	0.0					
6.40		w	46.4			0.1		30		To the last	7.02
s 6.20	THE S	D W	42.9	FS	ABBOTTSFORD	3.6	21	42	10000		7.15
5.45	Major PS.		38.4		PINEGROVE	8.1	6	10	1	man is	7.80
5.20			33.8		ALDERGROVE	12.7	22	69			7.55
445		and the same of the	29.6	752		16.9		28			8.10
4.20		w	24.9		LINCOLN	21.6	20	67	The same of	1000	8.35
3.45h	s 8.80Am	R D Y	17.1	CL	CLOVERDALE	29.4		67	3.45Pm	4.30Pm	9.00Am
	s 8.15		13.1		ALLUVIA	33.4	5	W.	1 4.00	1 4.45	Tall No.
	f 8.10		11.6			34.9	4		1 4.05	1 4.60	
	8.00	Y	10.6			35.9	714	1	4.10	4.55	34.07
aple.C	. 7.55	R DN W	10.6	a	colebrook	35.9	62	67	s 4.25	s 8.10	
	7.45	Υ	9.8		GUICHON LINE JCT	36.7			4.30	5.15	
	1 7.28		3.8			42.7	10		1 4.55	1 5.40	
	1 7.10	W 34 Mile East	1.4			45.1	3		8.10	1 5.55	
7.2 311	7.00Am	w	0.0	Trans	GUICHON	46.5	10	10	s 5.15Pm	s 6.00Pm	A IVE
Leave Dail Except Sun	Leave Daily Except Sunday							15	Arrive Mon., Wed., Fri.	Arrive Tue., Thur., Sat.	Arrive Daily
388	398						RUS	383	397	397	387
3.00 9.4	1.30	MINE TANKS			Time Over District Average Speed Per Hour			3.1	1.30	1.30	2.00 14.7

#### West bound trains are superior to east bound trains of the same class.

The normal position of switches at Colebrook Junction, Guichon Line Junction are for main line.

All trains Fifth District will protect against all Third District trains between Colebrook Jct. and Guichon Line Jct.

Guichon for train No. 398. Sumas for train No. 387. Cloverdale for trains No. 388 and 397.

#### TERMINAL STATIONS.

Guichon for train No. 397. Cloverdale for trains No. 387 and 398. Sumas for train No. 388.

Derail switches must always be set for derail except when in actual use whether there are cars on the tracks or not.

Abbotteford east end of passing track.

INTERLOCKING governing B. C. E. Ry. crossing, Cloverdale, B. C. Distant signal on north side is located 2500 feet from crossing and has one arm showing caution. Home signal is located 75 feet from crossing and has two arms. Lower arm one indication, upper arm governs train movements. Home signal on south side is located 15 feet from crossing and distant signal 1500 feet from crossing. Derails are placed five feet inside each home signal. Normal position of signals will be clear for our line.

#### Business tracks not shown as stations on time table.

NAME	LOCATION	OPENS	CAPACITY
Suichon Slip Spur	0.1 Miles east of Guichon	East	3
lowdy Road Spur	. 2.9 Miles east of Guichon	West	1
atterson's Spur	5.7 Miles east of Guichon	West	9
mith Road Spur	5.8 Miles east of Guichon	West	2
latthew Road Spur	6.8 Miles east of Guichon	West	3
olebrook Road Spur	8.2 Miles west of Cloverdale	West	5
ravel Pit Spur	3.3 Miles west of Cloverdale	West	9
urry Spur	1.1 Miles west of Cloverdale	West	3
ernridge Lbr. Co. Spur	1.4 Miles east of Lincoln	West	15
incoln Lb-, Co. Spur	1.0 Mile east of Lincoln	West	30
lark's Spur	1.0 Mile west of Otter	East	2
tter Shingle Co. Spur	at Otter	East East East	15
Idergrove Lbr. Co. Spur	at Aldergrove	East	20
ish Trap Pit	1.5 Miles west of Pinegrove	Both	40
inegrove Lbr. Co. Spur	8 Mile east of Lincoln	West	10

#### SOUTH BOUND.

#### TO CLOVERDALE.

MOKIN	BOUND.

.......

	SECOND	CLASS.	The said	N. X					10.7	Falls Green etc	the plant of	SECOND	CLASS.	15,50,100-0
387	397	397	385	oity of	Car Capacity of Passing Tracks	Distance from France River Jet.	Time Table No. 77.	aph Calls	Distance from Harelmere	SIGNS See Rule 7, page 15.	396	384	398	386
Mixed	Mixed	Mixed	Mixed	Car Capacity Other Sidings	Spin Tage	anne er B		grap	ance		Mixed	Mixed	Mixed	Mixed
Leave Tue, Thur., Sat.	Leave Tue, Thur., Sat.	Leave Mon., Wed., Fri.	Leave Daily Except Sunday	200	Pos	Dist	STATIONS.	Telegr	Dist		Arrive Tue ,Thur.,Sat	Arrive Tue., Thur., Sat.	Arrive Daily Except Sunday	Arrive Daily Except Sunday
	2.47Pm	2.47Pm	1.10Pm			0.0	FRASER RIVER JCT		20.3	A STATE OF			10.35An	s 11.05 Am
Nis Til	2.53	2.53	s 1.15	187		1.0	LIVERPOOL		19.3		in others	A Profes	10.30	s 10.55
1000	R. FOLICE			1		3.3	BON ACCORD		17.0	W 2 Miles South		N. Santa		
	1 8.20	1 3.20	. 2.00	1	17	9.0	PORT KELLS		11.3	100 2 100 00	Maria Arch		f 10.05	10.30
8.40/m	. 3.35	f 3.35fm	s 2.45Pm	67		15.2	CLOVERDALE	CL	5.1	R D	s 9.20Am	s 4.20mm	9 45 km	9.55Am
s 8.55An	s 4.00Pm			100		20,8	HAZELMERE		0,0		9.05Am	4.05Pm		31341,00
Arrive Tue Thur, Sat.	Arrive Tue., Thur., Sat.	Arrive Mon., Wed., Fri.	Arrive Daily Except Sunday							A STATE OF THE PARTY OF	Leave Tue Thur Sat.	Leave Tue., Thur., Sat.	Leave Daily Except Sunday	Leave Daily Except Sunda
387	397	397	385					1	FIRE		396	384	398	386
20.0	1.13	18.5	1,35 11,4			Tied:	Time Over District Average Speed Per Hour		1100	DON'T HAVE AND	20,0	20.0	19.0	1.10

#### Special Rules.

South bound trains are superior to north bound trains of the same class. Initial Stations.

Fraser River Jet. for trains Nos. 385 and 397. Cloverdale for trains Nos. 386, 387 and 398. Hazelmere for trains Nos. 384 and 396.

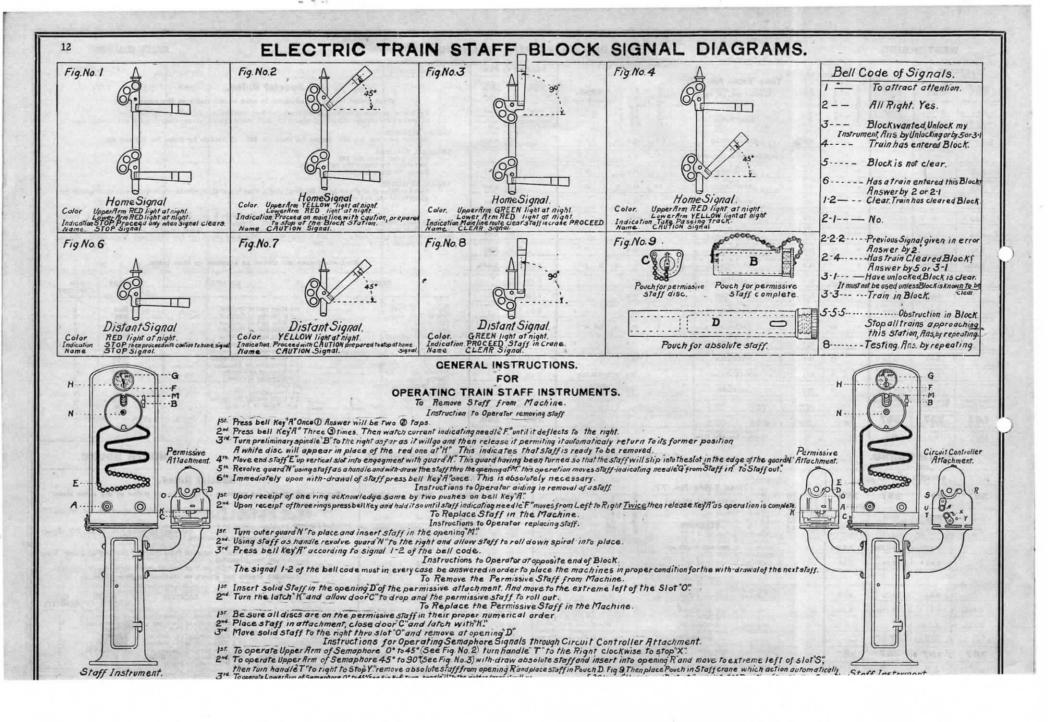
Terminal Stations:

Cloverdale for trains Nos. 385, 396 and 397. Hazelmere for trains Nos. 387 and 397. Fraser

River Jct. for trains Nos. 386 and 398. Trains will register at Cloverdale.

All Sixth District trains will protect against all Third District trains between Fraser River
Junction and New Westminster.
All trains will reduce speed to 8 miles per hour over all draw bridges.

NAME	LOCATION	OPENS	CAR
Davis Spur- Brownsville Spur- Brownsville Spur- Flummerfelt Spur- McNair Spur- David Bell & Co. Spur- Washington Shingle Co. Great Western Shingle Spur- Hatelmere Spur-	0.5 Miles south of Liverpool 1.0 Miles north of Liverpool 2.0 Miles north of Port Kells 2.0 Miles north of Cloverdale 1.5 Miles north of Cloverdale 2.2 Miles north of Blaine 2.5 Miles south of Port Kells 3.4 Miles north of Blaine.	North South South South South North South	4 15 4 2 25 8 7



#### ELECTRIC TRAIN STAFF BLOCK SIGNAL RULES AND INSTRUCTIONS.

Electric Train Staff Block Signal System in operathe between Laborworth and Skykomish, Everett Jet., and Premi A. e., and between Detra Wye and Mary - ille

The use of the disided staff through Cascade Tunnel and all rules and instructions pertaining thereto will continue in off-t

All rules relating to the protection of trains are in force and are only modified by the General Instructions berein.

- All trains and engines in both directions will be governed exclusively in their movements by the train staff
- Home and Distant semaphores are located at each block station. Home signals are located at the passing track switches. Distant Signals are located about 4000 feet from home signals. The signal indieations are illustrated by figures Nos. 1, 2, 3, 4, 6, 7. 3 and the meaning of the positions of the signal arms and lights is explained under the diagrams. In all cases the block signals are located upon the right of and adjoining the track upon which trains are governed by them. The semaphore arms that govern are displayed to the right of the signal must as seen from an approaching train.
- The possession of the staff by the Engineer gives his train the absolute right of track to the next

INMINEERS MUST KNOW THAT THE STAFF IS IN THE POUCH BEFORE PROCEEDING.

- The staff will be handled by the Engineer of the leading engine of the train; and the staff must be in the actual possession of the Engineer before he moves his train into a block, and such engine must not be uncoupled from the train except at a block station. The Conductor will receive a "proceed" signal from Block Operator to indicate that staff has been delivered to Engineer. (See Rule 29).
- 4-A. In the case of an engine pushing a train, it must be considered as part of that train through to the next block station, and may be uncoupled only at a block station. Such engine, if then uncoupled, must be treated as a separate train.
- When a staff has been secured by the Eugineer, he will announce the fact by sounding one short, one long and one short blast of the whistle, thus (o-o)
- An absolute staff permits but one train at a time to use a block. See D figure No. 9.
- A permission staff dise, permits two or more trains in the same direction at one time to use a block on ascending grade only. Each train must be in possession of a permissive staff disc before proceeding. See C. Fig. No. 9.
- 6-B. Permissive staff complete permits but one train at a time to use a block. See B. Fig. No. 9 and Rule No. 22-F.
- The delivery of the staff to the Enginemen will be either by staff crane, hand of Block Operator, or the Conductor or head Brakeman of his own train and the Engineer must not accept delivery of a staff from any other person. Block Operators will not deliver staff to any other than one of these employes.

Block Station by dropping same at a designated spot, or, in case of taking siding, and it cannot be personally delivered by Engineer, it will immediately be sent to Block Operator by head Brakeman or Conductor.

ENDER NO CIRCUMSTANCES WILL A STAFF BE TRANSFERRED FROM ONE TRAIN TO ANOTHER. IT IS THE DUTY OF THE BLOCK OPERATOR TO SEE THAT ALL OF THE TRAIN STAFF INTO INSTRUMENT.

- In case a train parts, or it is necessary to "double," the staff must be retained by the Engineer until all the train is clear of the block. A train is clear of a block when it has passed the home signal. A train 16. proceeding on main track enters a block at the block office. It may occupy the main track inside of home signals in either direction to do station work or to allow another train to enter the sidetrack, but must not proceed until in possession of a staff, as per Rule No. 3.
- 9-A. A train making switching movements may use the main track to, but not beyond the distant signal, when protected as per Rule 99. Superior class trains must not be delayed.
- Enginemen and Trainmen will carefully note the position of all signals and be governed accordingly in the movement and protection of their trains Sec Figs. Nos. 1, 2, 3, 4, 6, 7, 8.
- Conductors and Engineers, before leaving initial points, must secure clearance card, Form 219.
- Block Operators, unless otherwise instructed by Train Dispatcher, will staff the train of superior time table rights and side track the inferior train when 20. a meeting point developes at their station.
- When it is desired to reverse the right of track, trains will be moved by Train Dispatcher's orders on Form 19, issued to Block Operators giving instructions to staff the train that is to receive preferred attention, and side track the superior train.
- Work trains, after receiving orders authorizing the 21-A. existence of the train, will occupy the block after receiving the absolute staff until same is surrendered at a block station at either end of the block. They will be given a time by the Train Dispatcher when delivery shall be made, and unless otherwise instructed, they shall clear the block and deliver the staff to the Block Operator so that regular and extra trains will not be delayed. Train Dispatcher may authorize the delivery of a permissive disc in the prescribed direction to enable work train to work under protection of flag until following train approaches.
- In case of failure of staff apparatus, all concerned must be notified and trains will be moved by train orders until it has been repaired. In such event, the train order takes the place of the staff, though only one block on each train order and this order must be given jointly to the Conductor and Engineer of the train and the Block Operator at both ends of the

The same of the state of the same of the same

- Staff will be delivered by Engineer on arrival at 15-A. In the event of staff apparatus and other means of communication becoming out of order due to the breakage of line wires or other causes, trains will move in accordance with general rules and time table rights, obtaining at each block office, block eard, Form No. 2615 signed by Block Operator.
  - 15-B. When a staff apparatus has been repaired it will not be put into use until authorized by Train Dispatcher.
- CLEARS THE BLOCK BEFORE INSERTING 15-C. Before issuing train orders, superseding staff system, the Train Dispatcher must know that block is clear and the Block Operator and Train Dispatcher must know that the full number of staffs are in the two instruments of this block
  - In case a staff should be lost, the staff instruments in this block are inoperative and trains must be moved only by the authority of Train Dispatcher, who will then issue train orders. The staff can only be replaced by Signal Repairman who has charge of the staff's not in use. No extra staff's will be allowed in the possession of any other employe.
  - Should a train pass a block station without markers, the Block Operator must notify the Train Dispatcher and the next block station in each direction and must not report that train clear of the block until he has assertained that the train is complete.
  - A record of all trains must be kept at each block station on Form No. 290.
  - In ease of unexpected delay to a train to which a staff has been delivered, same can be recalled by Block Operator and return of staff to the instrument will cancel the authority given to such train to proceed. The train then has no right to main track until given another staff.
  - Block Operators must not deliver a staff received from one train to another train. It must be placed in the instrument and another withdrawn in accordance with the rules.
  - BLOCK OPERATORS WILL HANDLE THE STAFF MACHINES IN ACCORDANCE WITH THE RULES AND GENERAL INSTRUCTIONS FOR OPERATING STAFF INSTRUMENTS.
  - When two or more trains bound in opposite directions are at a block station, Block Operator must exercise great care in delivery of staffs and must know that the staff is delivered to the train for which it was withdrawn.
  - Absolute staffs (See D. Fig. No. 9) must be used for all trains on decending grades, or eastbound from Cascade Tunnel to Leavenworth, and westbound from Tye to Skykomish.
  - 22-A. Permissive staff dises (See C, Fig. No. 9) may be used on ascending grades, or westbound from Leavenworth to Cascade Tunnel, and eastbound from Skykomish to Tye, for all trains except as per rule
  - 22-B. Permissive staff discs must not be given to Engineers with light engines or light tonnage trains to follow a passenger train.
  - 22-C. Trains moving under authority of a permissive staff disc must protect against following trains as per Rule No. 89.

- 22-D. When two or more trains use permissive staff discs the last train will be given the permissive staff (See B. Fig. No. 9) with all the remaining discs and this confers the same rights as a single permissive staff
- 22-E. The Block Operator receiving the permissive staff must at once assemble on it in numerical order all the permissive dises received from preceding trains and piace the complete permissive staff in the permissive attachment.
- 22-F. The first train in the opposite direction (descending the grade) must be given the complete permissive staff, which confers the same rights as an absolute staff.
- When no train movement is imminent, home signals must be kept in stop position.
- Block Operators must not make nor permit any nnauthorized alterations or additions to the apparatus. If alterations or additions are made, the work will be done under the direction of the Signal Super-
- If any electrical or mechanical appliance fails to work properly, the Signal Repairman and Train Dispatcher must be notified and only duly authorized persons permitted to make repairs.
- Block Operators must have the proper appliances for hand signaling (a yellow flag by day and a yellow light by night) ready for immediate use. Hand signals must not be used when the proper indications can be displayed by the fixed signals. When hand signals are necessary, they must be given from such a point and in such a way that there can be no misunderstanding on the part of Enginemen or Traingien as to the signals or as to the train for which they are given.
- Block Operators are responsible for the care of the block station, lamps and supplies and of the signal apparatus unless provided for otherwise.
- Lights in block stations must be so placed that they cannot be seen from approaching trains.
- Block Operators will remain in view until the rear of a train has passed and will give a "proceed" signal to the Conductor on rear of train to indicate that a staff has been delivered to Engineer. .
- The Engineer of a train which has parted must sound the whistle signal for "train parted" on approaching a block station.
- An Engineer receiving a "train parted" signal must answer by two short blasts of the whistle.
- When a parted train has been recoupled the Block Operator must be potified.
- If the track is obstructed between block stations notice must be given to the nearest Block Operator.
- If a train is held by a block signal to exceed two minutes, the Conductor must ascertain the cause.
- 34-A. The Conductor must report to the Superintendent any unusual detention at block stations
- Special attention of all concerned is directed to meaning of caution signal as shown by Fig. No. 2.
- Staff instruments must be kept locked. Keys will be furnished to the signal repairman but to no other person.

# AUTOMATIC BLOCK, INTERLOCKING SIGNALS AND SEMAPHORES.

#### AUTOMATIC BLOCK SYSTEM.

Automatic Block Signals are in operation between KingStreet Station Seattle and the Interlocking Plant at the North Portal of Seattle Tunnel, also between Metum and Everett Junction

- The Controlled Manual Block Signal System is in operation between the Interlocking Plant at the North Portal of Seattle Tunnel and Metum. In all cases the North Contains a localed upon the light found adjoining the treet upon which Trains are governed by them. The Semaphore arms that govern are displayed to the Right of the Signal mast asseen from an approach
- 2. The movement of trains will be regulated by Block Signal Indications as follows; A. An Arminthe horizontal position(see Fig. No. 6) indicates that the Blockis not
- clear and is a signal to "STOP." An Arm in the inclined position 45 degrees above the horizontal see Fig No ?
- An Arm in the inclined position to degrees above the north original pro-indicates proceed with Caution prepared to stop at the next Signal.

  An Arm in the vertical position 90 degrees above the horizontal see Fig. No.8. indicates that Block is "CLEAR" and is a Signal to "PROCEED."
- D. . At night the Position of the Signals will in addition be shown by the Standard Colored Lights.

RED indicates STOP."
YELLOW indicates CAUTION." proceed with caution prepared to Stop
at next Signal.
GREEN indicates PROCEED."

3. Track Circuits are used to Centrol Automatic and Semi-Rutomatic Block Signals and include all Iven-outs up to the fouring points.

4. Block Signals do and dispense with the Use or Observance of other Signals wheever or whereverthey maple required Nor do they relieve Ingineemen and Tranmen from Indingal precautions required by their rules for the protection of their

Traine.

The Block Signals apply only to trains running in the established direction.

When a train is stopped by a Block Signal it may proceed with caution after coming to a TULL STOP, especting to time Block obstructed.

A train stopped by a Block Signal must stand facing the Signal so that its indication may be observed from the eaging.

8. Switches in maintracts and switches of Cross overs to main track Set-

Signals to Stop when moved from their normal positions.

Signals to Stop when moved from their normal positions.

Main line Sampahore Interlacking Signals Jocated within the Automatic Black Signal limits are made Semi Automatic and part of the Black Signal System.

10. Cars and Engines on Sidings must stand clear of bonded Rails and insulated joiets.

11. In making train Movements through Cross-over Switches between main Tracks one of the Switches must be keptopen until the train movement is completed

- 12. When a Signal is found at Stop from any cause other than a train in the Block Engineman will reports ame, using Form 2000, and Operator will transmit in ac cordancewith instructions Thereon.
- 13. All Automatic Block Signals are designated by numbers. Signals governing Edst bound Trains have even humbers. Signals governing West bound trains have odd numbers.

14. Home Interlocking Signals are equipped with two arms and two lights (see Figure Nos. 1.2.3, 4, and 5). These Signals are not permissive and may be passed only when signal indicates. "PROCEED," or upon Prescribed and Signal from Signalman Rule governing reads as follows.

When from any cause signals cannot be operated, Signalman must examine switches and know that the way is clear. The train must be required to come to a full slopbed or the prescribed hand signal is given Signalman giving hand signals must do so from the center of the track upon which the train movement is to be made using a yellowidg by day and a yellowing to be not train to in eight, hand signals must be given from a point not to exceed one hundred feet in a dvance of the locomotive.

Dwarf Signals (seeFigs. Nos. 1, 9 and 10) are provided to govern train move-ments against the current of traffic and slow movements either to or from main tracks to storage and industry Tracks.

16. Single Arm and Single light Semaphore will be continued for Train Order

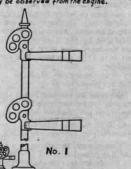
- 17. A signal importantly displayed the absence of a sign of at place where one is usually shown, or a white signal at a place whorea colored signal should be shown must be regarded as a \$100 Signal, and the fact reported to the Superintendent.
- 18. Firemen as well as Enginemen must watch signals closely, as frequently the first view can be had from the Fireman's side.

# Interlocking Signals.

Within the limits of the Automatic Block Signal System Interlocking Plants are located as follows.

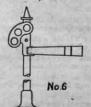
> South Portal of Seattle Tunnel. North Everett Junction.

On the Single track between G.N. Docks and Metum an Interlocking Plant is in use at the Salmon Bay Draw Bridge Interlocking Plants are under construction at the N.P. Crossing located at the west end of the Yard at Interbay, and at the Crossing of the S.E.I. located in 15th Ave. Ballard. Due notice will be given when these Plants are placed in operation.

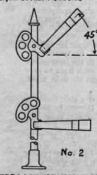


INTERLOCKING HOME SIGNAL. Upper Arm. RED light at night. Lower Arm RED light at night STOP. Proceed only when Signal clears or upon prescribed hand sig-nal from Signalman. Indication

Name STOP Signal



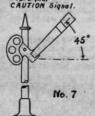
AUTOMATIC BLOCK SIGNAL Color. RED light at night.



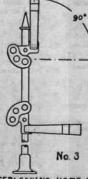
INTERLOCKING HOME SIGNAL Color Upper Arm YELLOW light at

Lower Arm RED light at night. Indication. Main line route clear, proceed with CAUTION, prepared to stop at

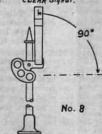
Name



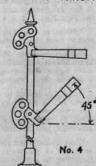
AUTOMATIC BLOCK SIGNAL Color. YELLOW light at night.
Indication. PROCEED with CAUTION.



INTERLOCKING HOME SIGNAL. Upperfirm, GREEN light at night. Lowerfirm RED light at night. Main line route clear, PROCEED CLEAR Signal.



AUTOMATIC BLOCK SIGNAL GREEN light at night



INTERLOCKING HOME SIGNAL.

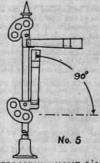
Upper Arm RED light at night Lower Arm. YELLOW light at

Indication. Diverging route clear proceed with

CAUTION Signal.



DWARF SIGNAL Color. RED light at night Indication STOP.



INTERLOCKING HOME SIGNAL

Upper Arm. RED light at night Lower Arm. GREEN light at night Color. Diverging route Clear, proceed at reduced speed. Indication.

Name CLEAR Signal.



DWARF SIGNAL GREEN light at night Color.

## CAPACITY OF ENGINES IN ADDITION TO WEIGHT OF ENGINES, TENDERS AND CABOOSES.

STATIONS	Ruling Grade	Cla	мя М2-	1950-19	990	Cli	ms L1-	1900-19	)21	Cla	as L2-	1800-1	844	cı	F5 F6 F7 F8 F9	-1095-1 -1100-1 -1110-1 -1130-1 -1140-1 -1300-1 -800-	109 129 139 199 324	C	las G	2-700-7 3-720-7	19	Cl		1-500-56 5-450-47		c	lass D2	?-300-3	59	c	lass D	4-400-4	26	c	lass B	3-232-238
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3
Everett to Skykomish	1.0	1700				1600				1400				1200				1000				775				575		,		715				385		
Skykomish to Cascade Tunnel	2.2	850				800				700	5555			600				480				360		****		276			****	340				183	500	
Cascade Tunnel to Leavenworth .	Down	1900				1800				1800				1500				1250				900														
Leavenworth to Cascade Tunnel .	2.2	850		****	****	800				700				600				480				360				275				340				185		
Seattle to Delta	0.5							****						2100				1750				1350				1050										
Delta to Seattle	0.4													2500				2100				1460				1120										
Cascade Tunnel to Lowell	Down	1900	****			1800				1800	****			1500				1250		****		900		****										1.11		
Silvana to Delta	0.5								****					1800				1400		****		1080				875							1100			
Delta to Silvana	0.4													2500				1800				1460				1120										
Bellingham to Silvana	0.5				14.00					,	****		****	2100				1800				1350				1050										
Silvana to Bellingham	0.5						****		in					2100				2100				1350				1050									0.91	
Bellingham to New Westminster .	1.1													1080				900				700				515										
New Westminster to Bellingham .	1.5		****	****	****									800				675				600				485						,				

WEATHER RATING

| 1—When temperature is 25 degrees above zero or over | 2—Very frosty or wet. 5 to 25 above zero. | 3—Five degrees above to 10 below zero. | 4—Ten below zero and colder.

Chief Train Dispatcher may increase or decrease above rating as it may be found necessary.

# Weight of Empty Cars and Dead Engines and Tenders will be estimated as follows, when not marked:

	CONTRACTOR DESCRIPTION
Box Cars, 28 to 30 foot	11 Tons
Box Cars, 33 foot	12 Tons
Box Cars, 34 foot	13 Tons
Box Cars, 36 foot	15 Tons
Box Cars, 40 foot	17 Tons
Refrigerator Cars	20 Tons
Furniture Cars, 30 to 40 foot	17 Tons
Furniture Cars, 40 to 50 foot	19 Tons
Cabooses, 8 wheel	17 Tons
Cabooses, 4 wheel	10 Tons
Flat Cars, 28 to 30 foot	9 Tons
Flat Cars, 33 and 34 foot	II Tons
Flat Cars, 40 foot	12 Tons
Coal Cars.	12 Tons
Gondola Cars	13 Tons
Ore Cars, Wood	12 Tons
Ore Cars, Steel	15 Tons
	15 Tons
Ballast Cars	12 Tons
Steam Wreckers	75 Tons
Engine Tank (Empty)	30 Tons
	25 Tons
Baggage Care	30 Tons
Coaches, 8 wheel	30 Tons
Coaches, 12 wheei	so Tons
Dining Cars and Tourist Cars	
Steeping Cars, Parior Cars and Observation Cars	40 Tons

#### Weight of Dead Engines.

Engines numbered below 200 series 80 To	n
Engines numbered in 200 series	n
Engines numbered in 300 series 86 Tor	
Engines numbered in 400 series	
Engines numbered in 500 series	n
Engines numbered in 600 series	
Engines numbered in 700 series	n
Engines numbered in 800 series	ä
Engines numbered in 900 series (except 992 to 997) 115 Tot	n
Engines numbered 992 to 997 95 Tor	ä
Engines numbered 1000 to 1007131 Tor	a
Engines numbered 1050 to '069	b
Engines numbered 1079 to 1095	b
Engines numbered in 1100 and 1200 series	a
Engines numbered in 1300 series	
Engines numbered 1400 to 1405173 Tor	a
Engines numbered 1406 to 1425	
Engines numbered in 1500 and 1600 series	a
Engines numbered in 1700 series	
Engines numbered in 1800 series	
Engines numbered in 1900 series	a

The following will govern when handling empty cars: With 10 or less empty cars in a train no allowance will be made for wheel friction; with 10 to 20 empty cars in a train, add to actual weight 5 tons for each empty car for wheel friction; with more than 20 empty cars in a train add 5 tons per car for wheel friction.

#### Speed Limits for Trains.

-post amino for frame,		
Between	Passenger	Freight
eavenworth and Skykomish	miles per hour.	20 miles per hour.
	miles per hour.	15 miles per nour.
	miles per nour.	15 miles per hour.
	miles per hour.	20 miles per hour.
	miles per hour.	25 miles per hour.
herry Valley Line	miles per hour.	15 miles per hour.
	miles per hour.	25 miles per hour.
	miles per hour.	25 miles per hour.
	miles per hour.	
		20 miles per hour.
	miles per hour.	25 miles per hour.
Creek and vancouver	miles per hour.	15 miles per hour.
kagit Branch	miles per hour.	15 miles per hour.
Ragit Branch	miles per hour.	15 miles per hour.
duchon to Cloverdale	miles per hour.	15 miles per hour.
	miles per hour.	20 miles per hour.
L-1, L-2 and M-2 engines will not exceed speed of 25 miles	miles per hour.	15 miles per hour.
171, 172 and 31-2 engines will not exceed speed of 25 miles	a ner hour.	

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

#### Speed Table.

50 miles per hour is equivalent to one mile in 1 minute and 12 seconds.
45 miles per hour is equivalent to one mile in 1 minute and 20 seconds.
40 miles per hour is equivalent to one mile in 1 minute and 30 seconds.
35 miles per hour is equivalent to one mile in 1 minute and 43 seconds.
30 miles per hour is equivalent to one mile in 2 minutes and 0 seconds.
25 miles per hour is equivalent to one mile in 2 minutes and 24 seconds.
20 miles per hour is equivalent to one mile in 3 minutes and 0 seconds.
15 miles per hour is equivalent to one mile in 4 minutes and 0 seconds.

#### SPECIAL RULES.

Freight trains will not carry passengers.

Horizontal position of the semaphore blades by day and yellow light shown by night indicates that switches with which the distant signals are connected are open and approaching trains should immediately be brought under control.

3. Diagonal position of the blades and green lights displayed at night indicate that swit hes with which the distant signals are connected are properly set and train should proceed as per rule.

#### REFERENCE MARKS.

4. In addition to signs provided for in rule 7, Book of Rules, the following signs in column headed "Signs"

D Day telegraph or telephone office. Night telegraph or telephone office.

DN Day and night telegraph or telephone office.

Dispatcher's telephone accessible at all times.

Interlocked.

Connection with foreign road.

Standard clock.

#### PERSONAL INJURIES.

1 Whenever passengers or employes are injured, everything must be done to care for them properly. If they are able to be moved, take them for treatment to the nearest place at which the Company has a surgeon. If they cannot be moved, call the nearest Company surgeon. If the case is urgent and the Company surgeon cannot be immediately procured, the conductor, agent or officer in charge is authorized to call the nearest surgeon available to administer first aid and care for the patient until the Company surgeon can take charge of the case.

No surgical operation must be performed until the arrival of the Company surgeon, unless it may be re-

quired for the immediate safety of the patient.

2. In cases of serious accidents to trains, conductors, after making everything safe, must give their undivided attention to the care and comfort of their passengers, especially to those who are injured. Bedding and linen may be taken from sleepers for this purpose, the conductor keeping careful account of all material so taken, and its return or safe keeping attended to; and, when necessary, injured persons may be put in the sleepers.

When a number of persons are injured, the service of competent surgeons in the vicinity should at once be secured, and every possible effort made to care for the injured, the Division Surgeon being notified by wire

to come immediately to the place of the accident.

When tramps, boys and other persons, climbing on or jumping from moving trains, or persons walking or lying on the track, are injured or killed, they should be sent to their homes or placed in charge of the local county, city or village authorities, and no expense incurred on the part of the Company in the matter.

4. When people are killed away from a station the body should be picked up and taken to the nearest station and the authorities notified. Never take a body out of the county where the accident happened if it can be avoided, but if there is no station in that county take it to the nearest station in the next county, notifying the county authorities in all cases.

5. A report of all accidents must be made, and immediately sent by wire to Superintendent, giving all informa-

In reporting accidents to trains carrying passengers, conductors should give the correct names of the injured and uninjured, the addresses and destinations of all persons on the train, and of the injured, and the extent of their injuries. This report must be sent from first telegraph office to the General Claim Agent and to the Assistant Claim Agent in whose jurisdiction the accident occurs.

As soon as possible thereafter Form 245 should be made out by each employe and forwarded to the Super-

intendent of the Division; a separate report being made for each person injured.

6. Every effort must be made to procure the names and addresses of all persons, outsiders as well as employes, who witnessed the accident, especially when persons are injured within the corporate limits of any city, town or village, or when crossing the tracks at a public highway.

7. In every case of personal injury in any Department, a full and complete report must be made at once by every employe immediately present, no matter whether he considers his statement of importance or not,

answering every question as fully as possible.

8. When persons are injured by an accident which may have been caused by defective appliances, tools or machinery, the car or appliance, tool or machinery must be immediately examined by the person in charge to ascertain its condition, and report made of the inspection, giving the numbers and initials of cars examined, with names, occupation and address of the persons making the inspection. This inspection must be made before the car or engine leaves the place where the accident occurred, and afterwards at the first district terminal by the inspector, foreman, or Master Mechanic at such point, the Superintendent to notify such person of the necessity of making such examination. When an accident is caused by the breaking of machinery, tools, appliances or rails, the broken parts must be so marked as to be readily identified, and immediately turned over to the Superintendent.

9. This Company will not recognize any responsibility for board, medicine, nursing or surgical attention furnished by other than Company Surgeons, except for the emergency service required under Rules 1 and 2, unless authorized by the Superintendent, General Claim Agent, or a general officer of the Company, and when

so authorized the General Claim Agent should at once be notified.

#### COMPANY SURGEONS.

Dr. J. A. Quinn, Chief Surgeon, Ernst Building, Cor. 5th and Wabas Dr. J. W. Chamberlin, Ophthalmic Surgeon, Lowry Building, St. Pa	
Leavenworth	DR. G. W. HOXSEY.
Skykomish	
Monroe	DR. H. K. STOCKWELL.
Everett	DR. P. M. WALKER & W. O. COPPS
Interbay	
Seattle	
Seattle	DR. R. W. PERRY, Oculist.

Tacoma	DR. JAMES A. LA GASA.
Burlington	DR. W. A. KIRKPATRICK.
Blaine	DR. GEO. E. DREW.
Vancouver	
Woolley	DR. M. B. MATTICE.

#### TIME INSPECTORS.

Leavenworth	F. E. CARLQUIS	T.
Seattle	J. F. HUNTER.	
Burlington	J. H. CROSSBY.	
Everett B	R. G. COLVIN & C	0.

Bellingham	BEHRENS & SON.
Vancouver, B. C.	PAUL & McDONAL
Centralia, Wash	BEN SALICK.
Portland, Ore.	C. CHRISTENSON.

E. O. WADHAMS, Dispatcher G. E. WELLEIN, Dispatcher. C. O. JOHNSON, Dispatcher. F. J. ROE Dispatcher. T. H. REED, Dispatcher.

C. E. LAMKIN, Dispatcher. H. L. CAULKINS, Dispatcher D. MOORE, Ass't. Chief Dispatcher. G. R. MILLER Chief Dispatcher.

5. CORRIGAN, Train Master. W. H. BROKAW, Train Master J. C. DEVERY, Assistant Superintendent. LD.

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