TACOMA DIVISION





H. C. NUTT. General Manager.

.=

W. C. ALBEE. Superintendent.

	THIDD	01 A66 T	DAINE		SECON				Time Table 94D	ĩ		1	1		51		n			2	- V	2001	<u>.</u>				\vdash
		CLASS T		1		1	es,	abers	Time Table 34B Succeeding No. 84A	j.) EE	200	001	000	-11	001			CLASS T		0.00	Shir			<u> </u>	/	[
95 AILY	973 EX. SUN.			965 EX. SUN.		679 DAILY	Coal Tabl	Nun	Succeeding No. 84A June 21, 1911. STATIONS.	ЧŅ.	355 DAILY	363 DAILY	301 DAILY	389 DAILY	361 DAILY	321 DAILY	307 DAILY	357 DAILY	391 DATEY	311 DAILY	369 DAILY	333 DAILY	365	359 DAILY	313 DAILY	DAILY	393
. Nor.	Nor. Pac. Way Freight	Nor. Pac.	Gt. Nor.	Nor. Pac.	0W. R.	Nor. Pac.	ater, cales, nd Wy	ation	Telegraph Offices and Calls	com	Gt. Nor.	& N.	Portland	Nor. Pac. Yacolt Passenger	& N.	Nor. Pac. Grays	Nor. Pac. Portland	Gt. Nor.	South	& N.	0.=W. R. & N.	Nor. Pac. Puget	Nor. Pac. Grays		Nor. Pac.		
reight	Freight				Freight		≥ <u>v</u> <u>s</u>			· · ·		Express	Express	Passenger	Passenger	Limited	Passenger		Bend Passenger	Limited	Ore - Wash Express	Sound Limited	Harbor Passenger		Special	Harbor Express	/ Bend
		7.00AM		5.10AM	0.00		WCS TY		TACOMA WHARF		10.01	10.45	1.40			0.00						10 DD			MM	<u> </u>	1
		7.45	6.00AM 6.30		9.30PM		WS		$Q \dots TACOMA \dots N$ 4.5	- 1					8.55AM * 9.09	9.00AM		11.30AM				1.40PW		4.50PM			i
		7.40	0.00	5.50 364-302 -360	10 .15 334–322 –356	9.45 334-322 -356	T	1301	SU.SOUTH TACOMA.N 3.7	5.9	12.10	- 1.00	1.00		-		10.00	964		* 1.05	* 1.29	f 1.55 362	2.05	* 5.04	* 5.44	5.58)
		8.00	6.45	6.10AM	10.88	10.00			VALAKEVIEWN 5.0		1				f 9.14	* 9.20AM	* 10.07	f 11.55AM		* 1.10	f 1.35	* 2.01	2.15PM	* 5.10	* 5.50	6.01P	Ā
		8.15	7.00	See page 3	10.50	10.15			HIHILLHURSTN 6.1 T					-		See page 3	f 10.16			* 1.17 362	ř 1.48	* 2.10	See page 3	* 5.17	* 5.57	See page 3	
		8.85	7.25		11.15	10.83	w	1996 j	$\begin{array}{c c} \mathbf{RY} \dots \mathbf{ROY} \dots \dots \mathbf{N} \\ \hline 5.5 \end{array} $	20.6	f 12.45	1.80	2.21 680		9.33 964		10.29 964	12.17		* 1.25	1.55 998	2 .20. 358-998		* 5.26	f 6.05	5	- }
		8.55 964	7.45	·	11.80	10.44		2002	YAYELMN 5.4 T	6.1	f 12.55	f 1.40	f 2.31		9.48		10.89	12.80		* 1.33 998	f 2 .10 358	2.35		* 5.34	* 6.12		-
<u>-</u>		9.25	8.10		11.46	11.05									9.54		10.50	1 12 45		* 1.42	308 f 2 25	2.35 * 12,53	11 362				_
			8.10 964 8.25			11.19	w	2011	RARAINIERN 4.3 JSMCINTOSHD 3	5.8	680 f 1.13	* 1.58	* 2.48		f 10.02		f 10.58	302		* 1.48 358	314	f 2.46 * 2.54		* 5.43 * 5.48	<u> </u>	(¹	
		9.54 11.25AN 361 307 308							4.6 1			692	360		903								. •	* 5.48 370	312	5	
		12.05PM 998-362			680	11.81			NOTENINON 4 3.3		692				10.09		11.09 308	1.08		* 1.56 314	2.88	8.08			* 6.85	F	-
		12.80	9.05		18.20	11.411	·	2020	BBUCODAN 5.2 T WABASH4	3.7	* 1.80	1 2.18	f 8.00		f 10.15		11.15	f 1.10		* 2.01	t 2.45	8.10		* 6.00	* 6.40	i. I	
1.000	5.30AM	1.00P#	9.304		12.45	12.05AM	<u> </u>	1	1.8			2.80	8.15		10.30		11.85	T 05	12.050	- 9 15	*	3.25		*	* 		
					1.25	12.30			CNCENTRALIAN 4.1 CHCHEHALISN			2.40	8.25		10.40					2.25	:	8.85		6.15 6.25	7.02		7.4
.20 .55357	•						1. 1. 1	I I	CHEHALIS JCTT			*	*		*		*	1.35 995 *	* 12.30		*	*					7.5
2.20	7.00				2.00 4.00	1.25		1 1	6.5 NANAPAVINEN		-	3.00 691	3.45 691		11.00		12.10PM	f 1.55	See page 5		8.25	8.55		* 6.27 394 6.45	7.85		See pag
0.40					363 355 301				6.2		091																Dee pag
2.40 3.10 311	8.00				4.25	1.50	w	2044	WIWINLOCKN 6.5	58.5	2.85	3.15	4.00	-	11.18		12.25	2.08		* 2.55 995	3.36	4.07		f 6.58	f 7 45		
3.30	8.80				4.50	2.15 364 302 360	W	2050	PNSOPENAHN 7	75.0	f 2.52	* 8.81	* 4.14		11.26 362-974		12.40 358	f 2.20		* 8.05	3.46 995	4.20 370		* 7.13	* 7.57		
	9.00 9.23 308				5.00	2.25		2053	0Q0LEQUAN 7.7 T	7.4	f 3.00	* 8.87	* 4.20		f 11.88		f 12.50 314	f 2.26		* 8.10	f 3.51			* 7.20	* 8.08		-
<u>45 35</u>	9.45AM 12.36PM 31	362-358			5.25	2.45	<u>w</u>	2060	CACASTLE ROCKN	35.1	8.20	8.55	4.85		11.48AM		1.07	2.40		* 8.21	4 03	4.87		7.85	8.17	{	-
5.55		14-301-974			5.50	8.00	·		UMTILLICUMN				* 4.47		973 * 12.01P# 358		* 1.20	* 2.50		* 8.80	370 * 4.15	* 4.47		* 7.46	* 8.27	<u>├─</u> }	-
6.00	12.57		•••••		5.55	8.08		2066	OSTRANDER	91.6	f 8.87	f 4.12	* 4.49		³⁵⁸ f 12.08		f 1.22	f 2.52			f 4.18			* 7.48	* 8.29		
6.05	1.05			-	6.05	8.10		12068		93.6	* 8.41	* 4.16	* 4.54		* 12.07		* 1.26	* 2.56		* 8.85	* 4.28	* 4.54		* 7.53			-
	3072.00				6.15	8.15	1	i I	KSN 5.7			4.81	4.58		12.15 314		1.31 973	8.00	-	* 3.38	4.40 312	4.58		f 7.56	f 8.85	616	-
6.30 356					6.85	8.85		1 1	CXCARROLLSN	- 1		* 4.87	* 5.10		f 12.80		f 1.45	f 3.12 370	-	* 8.45	f 4.50 334	* 5.08		* 8.05	* 8.45		-
7.00	2.50				6.55	8.50			KAKALAMAN 10 4.3			4.50	5.20	r	12.42		1.55	8.22		* 8.55	5.00	5.20		8.15	8.55	550	-
7.15	8.05				7.08	4.03			MARTIN'S BLUFF 10 4.8				* 5.31		f 12.52		f 2.04			* 4.03		* 5.29		* 8.25			-
7.30	8.20				7.25	4.15		(WDWOODLANDN 11 6.0	- 1	1. A.	5.11	5.44		1.02		1. 1	f 8.40		* 4.18	5.20	5.41		* 8.85			
7.45	8.85				7.45 8.02	4.81	1		RG. RIDGEFIELDN			5.26	5.56	-	1.16			f 8.52		* 4.25	f 5.82	5.55		* 8.46			_
8.12	4.00				8.10	4.52		L I	KNAPPS 12 2.3 FELIDAT 12	- 1		1	1		f 1.80 f 1.85		1 1	f 4.03 f 4.08	· · · · · · · · · · · · · · · · · · ·	* 4.30	1 5.45		· · · ·	* 8.57 * 9.03		·,	-
8.20	4.05				8.18	5.00		I I				1	* 6.20	See page 4				* 4.15			* 5.55	* 6.18		* 9.08 * 9.08		}	-
8.80PM			· 		8.80		•		3.1			1	6.80		1.52		8.00	4.25%		4.54		6.80					 -
	357		-			5.45355 5.55	CY		MX .VANCOUVERN 13 2.3 No. Portland JunctionN 13	36.7	679	* 6.10AW	* 6.38		* 2.00PM		* 3.08				* 6.15PM				10.00 * 10.08	NHC.	
						6.00		1 1	0.6 ST. JOHNSN 13	- 1			f 6.41			;;	1 3.11					f 6.41			* 10.11		·
					· · · · · · · · · · · · · · · · · · ·	6.15	<u> </u>	2117	2.6 WILLBRIDGE				* 6.46	-			* 8.16					* 6.46			* 10.16		·
						6.16		I I	<u>BA 0.5 N</u> BEATTY			-	* 6.47	· · · ·			* 8.17			· .		* 6.47			* 10.17		
	·					6.26		2119	2.9 CCITY LIMITSN 14	13.3			* 6.58	-		L	* 8.28				· · · · · · · · · · · · · · · · · · ·	* 6.53	·····		* 10.28		
					1	6.454	WC ST	2121	VCPORTLANDN	4.4			7.004				8.80PM					7.00PM			10.80PM	1010W	
DAILY	EX. SUN.	EX. SUN.	DAILY	EX. SUN.	DAILY	DAILY	<u> </u>			-	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY			DAILY	PẠTLY	DAILY	DAIL
7.30	10.50	6.00	3.30	1.00	11.14	. 9.45			Time Over District		5.24	5.25	5.20	.13	5.15	.20	5.45	4.55	.25	4.10	5.00	5.20	.25	4.25	5,00	.26	.20
11.1	7.6	8.4	14.0	9.6	11.9	14.8			Average Speed per Hour		24.8	24.9	25.4	14.3	25.6	24.6	24.8	27.3	12.2	32.4	27.3	26.8	19.6	30.0	28.3	18.9	15.3

and the second second

11/45

N' her to della

2

		•		/		<u>(</u>		101	in .	in a	W/	/	MAIN	LINE				-						Eas	t Bou	nd.
ŀ	·			····			FIRST	CLASS	TRAINS	XX S					1		1.0	Time Table 34B	- 59	SECOND	CLASS	TRAINS.	Tł	HIRD CLA	ASS TRA	INS.
356	322	390	334	394	312	370	324	314	358	362	308	366	392	302	364	360	from	Succeeding No. 34A June 21, 1911.	of rack	680	692	690	964	966	998	9
DAILY	DAILY Nor. Pac.		DAILY Nor. Pac.	Nor. Pac.	DAILY OW. R.	DAILY OW. R.	DAILY Nor. Pac.	DAILY Nor. Pac.	DAILY	DAILY OW. R.	DAILY Nor. Pac.	DAILY Nor. Pac.		DAILY Nor. Pac.	DAILY O.=W. R.	DAULY	ance	STATIONS.	ing 7		DAILY OW. R.	1	·	. EX. SUN. Nor. Pac.	-	
Gt. Nor.	Grays Harbor Limited	Nor. Pac. Yacolt Passenger	Puget Sound Limited	South Bend Limited	& N. Shasta Limited	& N. Ore-Wash Express	Grays Harbor Express	Seattle Special	Gt. Nor.	& N. Seattle Passenger	Seattle	Grays	Nor. Pac. South Bend Passenger	Seattle Express	& N. Seattle Express	Gt. Nor.	Distance Portland	Telegraph Offices and Calls	Capacit Passing	Nor. Pac. Freight	& N. Freight	Gt. Nor. Freight	Way Freight	Way Freight	Way Freight	F
			SKO SOPM										- assenger		LAPICSS		144.4	TACOMA WHARF 1.4	<u> </u>	3.30AM			12.15PM	M 4.15PM		-
10.00PM	9.40PM		S.SOPM		7.40PM 7.35	7.10PM 7.05	4.45PM	-8, 300M	8.00PM	2.00PM	12.40PM	12.30PM		5.00AM	4.45AM 4.40	4.15AN	143.0	$\boxed{\begin{array}{c} 1.4\\ \overline{Q} \dots TACOMA \dots N\\ 4.5 \end{array}}$			4.00AM			-	4.30P	20
* 9.45 691-679	* 9.26 691-679		* 8.35 679-691		* 7.20		4.80	* 3.13	* 2.45		12.25	12.10	-	* 4.45 965	* 4.25 965	* 4.00 965	138.5	SU.SOUTH TACOMA.N 3.7	70	8.00	8.40		11.45AN 357	M 8.45	4.00	-
* 9.37 322	* 9.20PM		* 8.26		* 7.18	f 6.42	4.17PM	* 3.05	* 2.87	f 1.35	f 12.16	12,01PM		* 4.32	* 4.16	f 8.50	134.8	VALAKEVIEWN	60	2.50	8.25		11.25	3.30PM	8.45	
and the second se	See page 3		* 8.17	a	* 7.08	f 6.82	See page 3	* 2.55	* 2.80	f 1.17	f 12.05PM	See page 3		f 4.22	f 4.09	8.40	129.8	$\begin{array}{c} 5.0 \\ \hline HI HILLHURST N \\ 6.0 \\ T \end{array}$	60	2.85	8.10	-	11.00	See page 3	8.20	-
* 9.20			8.07		* 6.53	6.22		2.45 998	f 2.20 333-998	1.03	11.54AM		-	4.15	8.57	f 8.25	123.8	RYN 5.5	110	2.21 3012.05	2.50	-	10.29 9.28 361 307		3.00 369 1.50 333 358 314	
* 9.10			7.56		* 6.44	f 6.12		* 2,35	* 2.10	12.58	11.48			4.05	f 8.47	f 8.11	118.3	YAYELMN 5.4 T		1.40	2.31		361 307 8.55 963		333 358 314 311 1 .33 311 1 .28	
* 9.01			f 7.47		* 6.34	313 f 5.58		000		12.45	11.81		·	F 9 55	f 8.85	f 8 00	112.9	5.4 T RARAINIERN		363	2.31 2.26 301 2.10	-	963 8.10		1.10	_
* 8.53			* 7.89		* 6.27 313	f 5.48		* 2.16	* 1.57 * 1.48	f 12.37					* 8.27		108.6	$\frac{4.3}{\text{JS}\dots\text{McINTOSH}\dots\text{D}}$		1.05 3551.00 12.40			997 7.45			_
1999 A. S.									311									4.6 T			1.58 1.53 363	-			36212.55 35712.30	
8.43 * 8.37	*.		7.30 7.24		* 6.16	5.88	- n		* 1.87	12.30 963	11.11 307			8.88	· · ·	f 2.87	104.0	NOTENINON	140 65	691	1.23 355	-	7.15		12.05P	
*			*		* 6.11	5 32 *		* 2.08	* 1.30	12.25	11.00			* 8.80	* 3.11	1 2.30	95.5	$\frac{B.\dots.BUCODA\dots.N}{5.2 T}$		12.10AM	12.55		6.80	-	11.40A	
8.25			12-10	6.50PM	6.00	5.20		1.50	1.15	12.13	10.45 10.30		10.05AM	8.15	3.00	2.15	93.7	1.8 CNCENTRALIAN	120	11.50PM	12.30	2.40AM	6.00AN	A CONTRACTOR OF A CONTRACTOR	11.10	W
8.15			8.55	6.40	5.52	5.08		1.40	1.05	12.03PM			9.50	8.00	2.45	1.58	89.6	4.1 CHCHEHALISN		<u>11.30</u> 11.20	12.05AM 11.55PM	2.20				-
*			- 63.0-	* 6.30PM	*	*	-	*	*	*	*		* 9.40AM	*	*	*	88.6	$\frac{1.0}{\dots CHEHALIS JCT \dots T}_{6.5}$	Y		11.90%			·	-	-
8.00	•		6.85	See page 5	* 5.89	4.48		1.25	* 12.52	11.48AM	9.55		See page 5	2.45	2.25	f 1.48	82.1	0.3 NANAPAVINEN 6.2	140	10.50	11.85	1.58 1.25 360				-
7.45 313			6.20		* 5.27	4.82		1.10 974	12.40 974	11.85	9.48			2.25	2.05	1.28	75.9	WI WINLOCK N	70	10.80	11.14	360 1.00		-		-
7.26			6.02		* 5.15	4 20		974 12.56			9.29			* 0.05	* 1 47	6 1 10	69.4	6.5 PNSOPENAHN		10.07	10.58	12.42		_	-	307
			8			4.20 333		12.00	* 12.28 307	11.21 361–974				* 2.05 679	* 1.47 679	f 1.12 679	00.1	2.4		10.07	10.00	18.48				1 361
* 7.20 359			* 5.55		* 5.10 995	f 4.15 995		f 12.50 307		f 11.15	f 9.23 973					f 1.05	67.0	0Q0LEQUAN 7.7 T		10.00	10.51	12.35				10
7.05 * 6.55			5.40 995 * 5.30		* 4.58	4.03 369 * 3.47		12.36 973	12.11 973	10.55 973	9.08			1.40			59.3	CA .CASTLE ROCK N 5.7 UMTILLICUMN			10.34	12.15 12.01AM		-	-	
f 6.53			* 5.28		333	f 3.45		* 12.24 f 12.22							* 1.10 * 1.08		53.6	$\frac{0.8 \text{ T}}{0.0000000000000000000000000000000000$		9.17		11.58PM		-	-	_
* 6.50			* 5.24	<u> </u>		* 3.41		* 12.18	-			,			* 1.08		50.8	$\frac{2.0}{\dots \text{KALOKEN}\dots T}$	70	9.10	10.14			-	-	
6.47			5.21		* 4.40 369	3.38 311			f 11.58		8.45 974	·	.[12.58		49.1	$\frac{1.7}{\text{KS}\text{KELSO}N}$		9.05	10.09	11.50		-		308
f 6.37 995			* 5.08 333-369	3	* 4.80	f 3.25		361 f.12.05PM						* 12.55	* 12.40	f 12.12	43.4	$\boxed{\frac{5.7}{\text{CX}\dots\text{CARROLLS}\dots\text{N}}}$		3138.45	9.55	11.80		-		
6.30			4.55		* 4.28	8.15		11.55AM	11.35	10.05	8.25			12.45	12.80	12.01A	38.9	KAN 4.3	140	8.20	9.45	11.15				-
* 6.20			* 4.48		* 4.15			f 11.45	* 11.25	f 9.55				* 12.30	* 12.17	* 11.50PM	34.6	MA RTINS B'FF 4.8		8.10	9.84					
f 6.11			4.84		* 4.08	2.59		11.85		9.45	8.08				12.10AM		29.8	WDWOODLANDN 6.0		7.58	9.22				_	
f 6.00 f 5.50			4.24 * 4.14		* 3.58 * 3.49	f 2.50		11.22		9.85	7.58				11.59PM		23.8	RGRIDGEFIELDN	140	7.45	9.07			-	-	_
f 5.46		<u> </u>	* 4.10			f 2.35		f 11.10 f 11.05		f 9.25 f 9.20	7.48			ļ	f 11.50 f 11.46		18.2	KNAPPS 2.3 FELIDAT		7.34	8.52 8.46	10.20	•		-	
* 5.42		See Page 4 * 4.50PM			* 3.42			*11.00		* 9.15					* 11.40		13.1	$\begin{array}{c} 2.8 \\ \hline \cdot \text{ VANCOUVER JCTT} \\ 3.1 \end{array}$		7.28	8.89	10.10		-	-	-
5.35PM		4.40PM	4.00_		8.86	2.25		10.55			7.85					11.05P		3.1 MXVANCOUVERN 2.3	1000	7.15 7.05	8.80	10.00PM		-		_
		I	8.47		* 8.30PM	* 2.18PM		* 10.47		* 9.00AM	* 7.27			* 11.33	* 11.30PM		7.7	North Portland Junc. N		7.05 6.55	8.15PM	· · · · · · · · · · · · · · · · · · ·				
			8.45					* 10.45			* 7.25			f 11.31			7.1	0.6 ST. JOHNS 2.6		6.50				•		-
			* 8.40					*10.40			* 7.20		-	* 11.26			4.5	BAWILLBRIDGEN 0.5		6.85		-				-
			* 8.89					* 10.89			* 7.19			* 11.25			4.0	BEATTY	30	6.84						
			* 8.85					* 10.35			* 7.15			* 11.20			1.1	CCITY LIMITSN 1.1		6.25						
			8.30PM		<u></u>			10.304		· · · · · · · · · · · · · · · · · · ·	7.10AM			11.15PM			0.0	VCPORTLANDN	1000	6.15PM				_		
DAILY 4.25	DAILY .20	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY						DAILY	DAILY			EX. SUN.		
30.1	24.6	.10 18.6	5.20 26.8	.20	4.10	4.50 28.2	.28	5.00 28.6	4.25	5.00 27.0	<u>5.30</u> 26.0	.29	.25	5.45 24.7	5.15 25.6	5.10 25.7		Time Over District Average Speed per Hour		9.15 15.5	7.45	4.40	6.15 8.1	45 12.8	9.2	
			·	· · · · · ·						20		2010				20.1										
		!											L RULES	•	1 19.4			<u> </u>	·		<u>.</u>	<u></u>	•	<u> </u>	1	

2			
	,		
۰.	,		

est Bound.											GR/	AY'S HARBOR LIN	Ε.										East Bo	und.
THIRD CLASS TRA	AINS.		SEC	OND CL/	ASS.	FIRST (CLASS 1	RAINS.	, s	bers	8	Time Table No. 34B	E	iks	FIRST	CLASS T	RAINS.	SEC	OND CL	ASS.		THIRD C	LASS TRAIN	IS.
	967	965	693	587	585	323	365	321	Coal, Table 'es	Num	ce froi	Time Table No. 34B Succeeding No. 84A. June 21, 1911. STATIONS. Telegraph Offices and Calls	ce froi	ty of g Trac	366	324	322	588	586	694	966	968		
w	ay Frt.	Way Frt.	Freight	Mixed	Mixed	Passenger	Passenger	Passenger	ater, ales, d Wj	ation	stand	STATIONS.	stan	upaci Issing	Passenger	Passenger	Passenger	Mixed						
EX	. SUN.		EX. MON.	EX. SUN.	EX. SUN.	DAILY	DAILY	DAILY	a Sca	Sta	LD	Telegraph Offices and Calls	<u>2</u> 2	Pa	DAILY	DAILY	DAILY	EX. SUN.	EX. SUN.	EX. SUN.	EX. SUN. 3.30PM	EX. MON.		
		6.10AM					·	* 9.20A				0 VALAKEVIEWI									0.00m			
						f_6.05	f 2.16	* 9.23		СК 2	2.8	3COUNTRY CLUB 0.6	113.	3 No Sdg.	f 11.54AM	f 4.18	* 9.14				-			
		6.20				* 6.06	* 2.17	* 9.24		CK 3	2.9	9AMERICAN LAKE 1.4	112.	7 40	* 11.53	* 4.12	* 9.13				8.10			
	-	6.25				f 6.09	f 2.20	* 9.27		CK	4.8	3COSGROVE	111.	3 35	f 11.50	f 4.08	* 9.10				8.00			
		7.00				6.16	2.29	* 9.32	s	CK	8.0	0 DDU PONTI	107.	6 Spur	11.45	4.00	f 9.02				9 2.30 2.00	-		
		7.20				6.30		* 9.42		CK	12.0	4.5 5	103.	1 25	11.81	8.45	* 8.50	 		-	1.26			
						6.45		* 9.53			1						* 8.39	 			12.46			
		7.45									1	9UNION MILL 1.6	1								12.26			
		7.55				6.50	8.00	9.55				5					* 8.37							
		8.15AM 366				7.05 7.10	3.15 3.20	10.10	WТ	C K 25	24.5	5 OYOLYMPIA	91.	1 110	11.00 10.55	3.15 3.00	8.25				12.01PM 366			
							022				25.2	2 PT. TOWNSEND SOUTHERN C'O	90.4	4								·		
												4.7 (Track Connection)					-							
						f 7.22	f 8.83	* 10.20		CK 30	29.9	9BELMORE	85.	7 40	f 10.44	f 2.48	* 8.10							
				This train has right	has right	7.38	8.47	f 10.30		СК 37	36.4	4 RKLITTLE ROCK	79.5	2 43	10.30 321	2.88	* 7.55							
				has right over No. 588 Ho- quiam to	over No. 366 and No. 586	* 7.40	* 8.49	* 10.88			37.7	7BORDEAUX JUNCTION	77	9	* 10.23	* 2.28	* 7.51	 						
				Moclips	Aberdeen Junction	f 7.47	f 8.53	10.40		CK	1	6								See page 4		See page 4		
	e page 4		See page 4 2.20AM		to Aberdeen	322					8	4.1 7 HKGATE 4.9	1				7.39			10.10PM	4	1.30PM		
						8.00 8.10		11 10									7.29			9.52		1.15		
	2.30 1.58 24-968		2.85			8.21	4.26	11.18		5	20.0	6 OXOAKVILLE 6.9			0.00	1. 58 967						1.00 967		
	2.25		2.55			* 8.36	* 4.42	* 11.30		C M 12	55.1	.5LYTLE	60.	1 80	* 9.82	* 1.38	* 7.19			9.24		12.20		
	2.35		8.00			8.39	4.45	f 11.32	w	C M	56.0	.6 ORPORTER	59.	0 20	9.80	1.35	f 7.17			9.21		12.15PM		
	8.10		8.80			8.55 694	5.02	11.45				.1 EF				1.15	7.05			8.55 8.50		\$11: 15 **		
	8.20		3.35					968 *11.48	-	19		2.5 .6MACKS		_		f 1.05	* 6.59			8.38		11.00		
					· · · · · · · · · · · · · · · · · · ·					<u></u>		1.2		_	9.07					8.35		10.50		
	8.50		8.45	-		9.05		11.58A				.8 SPSATSOP 5.6									3 - 1	_		
	4.25		4.15		See page 4	9.20	5.25		W	C M 29	72.4	4 MOMONTESANO) 43.	2 70	8.55	12.50			See page 4	8.20		10.30 9.40		
	5.00		4.30						- C Y	$\frac{CM}{37}$	81.0	8.6 .0 .1 .1 SAABERDEEN	34.	5 50	* 8.80 	* 12.30 321 12.15	6.15			N 7.80		9.00	·	
	5.80		5.15		7.55AN 366-968		6.00 6.10 322	12.45 586		40	-	3.5			585		000		021					
	5.55PM 322		·5.30AM	9.00AM 366		10.20PM		12.550	W C Y			.6 HOHOQUIAM				12.01PM	6.00PM 967	1.45PM	l 	7.00P 365	/ł	8.20AM 366		
				9.10			i 6.40	-		C M 47	90.9	.9 GRAYS HARBOR CITY 4.7	. 24. - 20	Sdg.	i 7.47		-	1.25						
				9.20			f 6.55	-		$\frac{52}{CM}$	97	.6	18.	Sdg. 6 No	1 7.26			12.58				-		
				9.40			f 7.01	-		54 C M	100.5	.0 CHENOIS CREEK .2 TULIPS	ī <u>15.</u>	4 Sdg. 4 40	f 7.20			12.48		-				
				9.55		· · ·	f 7.20	-		C M	103.4	4 COPALIS CROSSING	12.	2 9000	t 7.08			12.30	-	-		- -		·
				10.10			f 7.27	-		01		2.1			· · · · · · · · · · · · · · · · · · ·		-	12.26		-		-	×	
	·			10.15			f 7.80	-		02 C M 63	106.	.5	. 9.	1 No Sdg.	ŕ 6.59		-	12.24	-					
				10.20			f 7.84		1	C M 64	107.	.1	7.	9 30	ŕ 6.55			12.20						
				10.30			f 7.89			C M 66	109.	.5STEARNSVILLE 1.9	. 6.	Sdg.	r 6.50			12.12						
				10.41			f 7.45			C M 68	111.4	.4ALOHA 1.8	. 4.	2 Spur 12	ř 6.42			12.04PM		-		-		
				10.48			7.50		W	C M 69	113.	.2PACIFIC 1.4 SUNSET BEACH	2. 	$\frac{4}{0}$ Spur	6.86 f 6.83			11.58AN 11.50		-		- -		
				10.55 11.00AM			t 7.55 8.00P			71	1	.6SUNSET BEACH 1.0 .6 MCMOCLIPS		Sdg.	1			11.50 11.45A					<u>+</u>	
	5.50	2.05	3.10	2.00		4.19	5.47		<u> </u>	72		Time Over District			5.31	4.16	3.20	2.00	.15	3.10	3.29	5.10		

		West	Bound						GATE LINE.					East	Bound	.		West B	ound.
THIRD CLASS.	SECOND CLASS.		FIRST	CLASS.		, Scales, Wyes	S)		Time Table No. 34B	Gate			FIRST	CLASS.		SECOND CLASS.	THIRD CLASS.	SECOND	CLASS.
967	693	387	385	383	381	al, Sca	Numbers	rom	Succeeding No. 34A June 21, 1911.	from (of racks	382	384	386	388	694	968	583	581
Way Freight	Freight	Passenger	Passenger	Passenger	Passenger	es an		Distance from Centralia	STATIONS.	tance i	Capacity of Passing Tracks	Passenger	Passenger	Passenger	Passen ger	Freight	Way Freight	Mixed	Mixed
EXCEPT	DAILY EX. MON.	DAILY	DAILY	DAILY	DAILY	Wate	Station	Dista	Telegraph Offices and Calls	Dist	Capa	DAILY	DAILY	DAILY	DAILY	DAILY EX. SUN.	EXCEPT MONDAY	Wed., Sat.	EX. SUN.
9.15AM 381	1.004	7.30P	M 3.30PM 384	10.40AM	9.00AM	WC YS	2027	0.0	CNCENTRALIAN 1.5	13.0	170	11.10AM	3.00PM 385	5.00PM	8.55PM	11.30PM	2.30PM		* 1.15PM
						and the second se		1.5	OW. R. & N. CO. CROSSING No Track Connection	11.5			-						1.18
9.80	1.15	* 7.84	* 3.34	* 10.44	* 9.04			1.6	BLAKESLEE 4.2	11.4		* 10.44 383	* 2.51	* 4.58	* 8.50	11.15	2.20	1.35PM	* 1.20 1.30PM
9.55	1.30	7.45	8.45	10.51	f 9.20		C K 51	5.8	GRAND MOUND 4.2	7.2	90	10.32	2.41	4.48	8.40	11.05	2.05	* 1.40	Walling in conversion of the
10.16 11.10 383 382	1.55	7.55	3.55	11.00 967	f 9.33		C K 47	10.0	RHBOCHESTERD 0.5	3.0	75	10.21 967	2.80	4.30	8.31	10.45	1.45	f 1.48	
			-				-	10.5	O.=W. R. & N. CO. CROSSING No Track Connection 2.5	2.5								f 1.58 f 2.21	
11.45AM	2.20AM	8.05P	4.10PM 386	11.10AM 384	9.45AM 382	WY	C K 44	13.0	HKD	0.0	50	10.10AM 381	2.20PM 383	4.20PM 385	8.20PM 387	10.30PM	1.30PM	f 2.28	. '
EXCEPT SUNDAY	DAILY EX. MON.	DAILY	DAILY	DAILY	DAILY							DAILY	DAILY	DAILY	DAILY	DAILY EX. SUN.	EXCEPT MONDAY	2.85PM	
2.30	1.20	.35	.40	. 30	.45				Time Over District			1.00	.40	.40	.35	.55	1.00	Wed., Sat.	EX. SUN.
5.0	9.7	22.3	19.5	26.0	17.3				Average Speed per Hour			13.0	19.5	19.5	22.3	14.1	13.0	1.00	.15

Special Rules Gray's Harbor and Gate Line.

<section-header><section-header><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text>

1.35PM	1.30PM	W	$\begin{array}{c} \mathrm{CG} \\ 2 \end{array}$
* 1.40			CR 1
f 1.48			$\frac{CR}{3}$
f 1.58			$_{5}^{\mathrm{CR}}$
f 2.21			CR 11
f 2.28			CR 13
2.35PM		W C T	CR 16
Wed., Sat.	EX. SUN.		
1.00	.15		
15.7	12.0		
Bull	ster Station etin Station 83 has right	1-Cos	smopo

ŝS,

" ÷

Y CM 37

ion es,

Stat

CR

Builetin Station—Cosmopolis.
 No. 583 has right over No. 584, Cosmopolis to Ocosta. 583 and 584 will stop on flag at Redmon Creek, located one mile east of Ocosta, for transfer of passengers,
 baggage and express destined to and from Westport.
 All trains will stop 400 feet from and will not proceed until following draw bridges are known to be closed.
 Chehalis River, between Aberdeen Junction and Cosmopolis Junction; Johns River, ½ mile west of Markham. Junction switches will be set for line Junction City to Ocosta. Trains will come to full stop before passing over grade crossings of O-.W. R. & N. Co. at various industry tracks in South Aberdeen and Cosmopolis.

IRST	CLASS.	Coal, Scales, and Wyes	Station Numbers	Distance from Yacolt	Time Table No. 34B Succeeding No 34A June 21, 1911.	Distance from Vancouver Jct.	Capacity of Passing Tracks	FIRST	CLASS
	Passenger	er, C es ar	ion N	ance	STATIONS.	ance	acity ing]	Passenger	
	DAILY	Water, Tables	Stati	Dista Yaco	Telegraph Offices and Calls	Dist Van	Capi Pass	DAILY	
	7.50AM	WΥ	C Y 27	0.0	YCD 6.6	27.2	35	6.20PM	
	f 8.02		C Y 20	6.6		20.6	No Sdg.	f 6.00	
	8.10		C Y 19	8.0	HEISON 1.8	19.2	25	5.55	
	8.21		C Y 17	9.8	CRAWFORD 3.0	17.4	No Sdg.	5.48	
	8.85	w	C - 14	12.8	BABATTLE GROUNDD 4.2	14.4	20	5.88	
	8.50		C Y 10	17.0	BRUSH PRAIRIE 1.6	10.2	25	5.28	
	f 8.54		CY 8	18.6	LAURIN 1.5	8.6	50 Spur	f 5.22	
	f 8.57		CY 7	20.1	HOMAN 1.0	7.1	4 Spur	f 5.18	
	f 9.02		C Y 6	21.1	BARBERTON 3.0	6.1	4 Spur	f 5.12	
	f 9.07		C Y 3	24.1	HIDDEN 3.1	3.1	No Sdg.	f 5.02	
	9.17AM	Y	C X 25	27.2	VANCOUVER JCT	0.0	No Sdg.	4.50PM	
	DAILY							DAILY	
	1.27				Time Over District			1.30	
Enginee Bulle Stan Derai	ers will not k etin Station dard Clock	e requ is-Va s-Va scated	aired ancouve ncouve on Da	to cor er and r. ly Spu	r and on Smith Spur must be kept in d	lerailiı	ig posi	tion when n	ot in use

(DCOSTA BRANCH.			East Bo	ound.
	Time Table No. 34B			SECOND	CLASS.
Distance from Aberdeen Jct., via Cosmopolis	Succeeding No. 34A June 21, 1911.	from ia lis	v of Tracks	582	584
deen	STATIONS.	ance ta, v nopo	Capacity Passing T	Mixed	Mixed
Dista Aber via C	Telegraph Offices and Calls	Distance fro Ocosta, via Cosmopolis	Cap	EX.SUN.	Wed., Sat.
0.0	ABERDEEN JCT	18.7	42	* 7.45AM	
0.8	JUNCTION CITY 0.6	17.9		7.87	
1.4	COSMOPOLIS JCT	17.3	No Sdg.	* 7.85	
3.0	MPD 1.6	15.7	90	7.30AM	8.35PM
4.6	COSMOPOLIS JCT 1.1	14.1	No Sdg.		8.32
5.7	SOUTH ABERDEEN	13.0	90		3.29
8.0		10.7	No Sdg.		8.25
14.7		4.0	No Sdg.		2.56
16.2	MARKHAM 2.5	2.5	10		2.55
18.7	OCOSTA	0.0	75		2.45PM
				EX. SUN.	Wed., Sat.
	Time Over District			.15	.50
	Average Speed per Hour			12.0	18.8

en Junction, Cosmopolis and Ocosta.

Derail has been installed about three hundred feet south of and south end of passing track switch at Rileys, north of Yacolt. This derail must be kept open and locked at all times when not in use.

SOUT West Bound. SPECIAL RULES FOR MAIN LINE. THIRD CLASS. FIRST CLASS. Maximum speed of passenger trains is one minute or 60 seconds per mile. This speed must not be exceeded. Registoring Stations—Tacoma, Tacoma Wharf, South Tacoma, Tenino, Centralia, Sopenah, Carrolls, Vancouver and Portland. Chenslis is registering station for South Bend Eranch Trains. Passenger trains will register by ticket at South Tacoma, Tenino, Sopenah and Carrolls. No. 679, No. 680, No. 691, No. 692 and No. 690 will register by ticket at Tenino, Sopenah and Carrolls. Clearance will not be issued at South Tacoma. except when red signal is displayed. Clearance will not be issued to west bound trains at Sopenah and to east bound trains at Sopenah. All trains will obtain clearance will not be required to west bound trains except and to east bound Carrolls and to east bound trains at Sopenah. All trains will obtain clearance will not be required to consult register, except at initial or starting point. Engineers will not be required to consult register, except at initial or starting point. Engineers will not be required to consult register, except at Contrains and Vancouver are bulletin stations for trains originating at those points). Standard Clocks—Tacoma, Centralia, Vancouver and Portland. Junction switch at east end of Columbia River bridge, Vancouver, will be kept set and locked for N. P. main line. All trains will come to a full stop at fixed danger signals located 200 feet from draw, spans of the Willamette and Columbia River bridges between Will-be fore engine will the signal must be answered by engineer in usual manner. Trains using track between Vancouver and Portland will be governed by instructions and card order issued by Superintendent S. P. & S Tim Numbers 391 393 969 from Junct Passenger Passenge Freight Distance Station ee page 1 See page 1 See page er, EXCEPT DAILY DAILY 8.00PM 12.30 2032 0.0 6.45 3.4 A.... 8.10 12.40 7.05 CW 8.13 12.44 сw 4.7 7.15 8.29 12.58 7.55 10.1 10 16 2 LUED CW 16.3 DR.. 8.45 1.15 970 8.45 CW 17.6 DO... 9.05 8.50 1.19 to Tidewater. Between Tidewater and Tacoma Engineer will obtain card order at Tidewater or Tacoma as authority to use draw-bridge line. Interlocking signals at east and west approach to draw-bridge control use of bridge, and trains will not proceed unless home semaphore shows clear indication. No engine heavier than N. P. Class "W" loaced weight of which is as follows: Weight of Drivers. 203,000 lbs.; Weight of Engine and Tender, 407,500 lbs. Will be run over Bridge No. 254, Tacoma Draw Span. No two Engines of any class will double head over this bridge where the combined weight is greater than N. P. Class W. Speed of all trains must not exceed ten (10) miles per hour over Tacoma Draw Span. Class S or heavier engines must not be used on incline track at Kalama, known as the Salmon track. When doing switching on this track enough car must be used so that engines will not need to go on this track. No engines heavier than Class S-4 will use trestle, Kalama, Wye. All trains must not exceed ten miles per hour through corporate limits of Roy, Centralia, Chehalis, Winlock and Castle Rock, and fifteen miles per hour through corporate limits of Ridgefield. Derail Switches are located as follows and must be kent set in derailing position when not in use. w CW 22.3 PL... 1.85 9.05 10 15 23 7 McCO W CW 24.3..... 9.12 f 1.41 10.85 corporate limits of Ridgefield. Derail Switches are located as follows and must be kept set in derailing position when not in use: Tacoma (Harrison Bros. spur); Tacoma (Keystons Lumber Co. spur), Rainier (Bob White Lumber Co. spur); Tenino (Derrickson spur, 2 miles east); Tenino (Stone Quarry); Wabash (Interlocking derail one Q.-W. R. & N. Co. connection), Chehalis (east end of house track); Chehalis (west end of flour mill track); Napavine (Sommerville spur and Pitcher's spur); When the former the post of the set of t C W 26.1 11.00 9.20 1.50 Winlock (west end of house track). Tacoma Yard extends to South Tacoma, and Chehalis Yard to west wye switch at Chehalis Junction. No. 308 and No. 333 will stop on flag Sundays only at Lewis River Bridge, west of Woodland. No. 308 will stop at Lakeview to let off passengers from points south of Lakeview. No. 307 will stop at Lakeview on flag to pick up passengers for points south of Lakeview. Evaluate is a flag stop for trains 307 an. 308. No. 334 will stop at McIntosh Saturdays on flag. No. 358 and No. 359 will stop on flag at any station between Tacoma and Portland to receive or discharge passengers holding Great Northern tickets 27.3 .WAL 9.35 2.00 т CW 28.9 11.40AM 12,15 10.00 2.25 w CW 35.3 FR... No. 355 and No. 359 will stop on mag at any station between facoma and Fortuand to receive of discharge passengers nothing Great Northern takkets reading Spokane or points east thereof. No. 359 will stop at Tenino to let off passengers from points Tenino and north, and to pick up Portland passengers, Lap Sidings-Roy, Rainier, and Castle Rock. Trains taking siding will head in at Lap. First-class trains when fifteen (15) minutes or more late, and extra trains running on schedule, will observe same precautions in yard limits at Centralia, Chihalis, Kalama, Vanvoucer and Portland, as are required of second and inferior class trains by Rule 298F. Telephones are located at Chehalis and Chehalis Junction. All trains from the South Bend line, before leaving Chehalis Junction, will ascertain, by telephone, position of all main line trains, and secure train and block rights authorizing them to use track between Chehalis Junction and Chehalis before C W | 36.6 12.25 10.04 2.30 37 38.0 BM.. 10.08 2.84 c w 12.35 proceeding. Conductors and Engineers must supply themselves with copy of Block Signal Rules governing the use of track between Chehalis Junction and Chehalis before Maximum grades, Tacoma Yard office to two and one-half miles west. Between Centralia and Wabash, the third, or extreme right hand track going east, will be used as a switching lead for the east end of Centralia Yard, as far as the yard limit board; outside of yard limits any trains using this track will obtain train order authority from dispatcher at Tacoma by the use of telephone, which is located in the building formerly used for telegraph office. Communication with the dispatcher can be had by use of telephone located on the dispatcher's wire, in accordance with the instructions which will be found posted beside the telephone. Under such authority the third track will be used by trains to or from the Centralia Eastern Railway and the Tone Branch of the O.-W. R. & N. Co. at Wabash, and for such east bound main line freight trains as may be designated by yardmaster, Centralia. No cars will be left on this third track either by train crews or yard crews without train order authority. 38 C W 42.3 1.10 10.18 2.45 42 C W 46.5 1.80 10.28 2.58 CW 50.5 10.38 3.10 s 2.00 2.80 10.50 8.20 CW 53.1 ND... WCCW T 57 11.00PM 56.5 SB... 3.30PM 3.00P EXCEPT DAILY DAILY Special Rules Governing Use of Double Track Between Tenino and Sopenah 8.15 3.00 3.00 and Carrolls and Vancouver. 18.9 18.9 6.2 Registering Stations—Chehalis and South Bend. Standard Clock—Centralia. Builetin Station—South Bend. (1) Double track extends from a point 400 feet west of depot at Tenino to a point 75 feet west of passenger depot at Sopenah and from a point directly in front of depot at Carrolls to passenger station Vancouver, except single track across Lewis River Bridge, 3.0 miles east of Ridgefield, and single track across Kalama River Bridge, 1.8 miles east of Kalama, and single track from west end of passenger station platform at Centralia to a point 1,700 feet Speed of passenger trains must not exceed 30 miles per hour, and speed of freight trains must not exceed 20 miles per hour, between Pluvius and Pe Ell. west thereof. (2) Trains must keep to the right unless otherwise provided. (3) Before clearing any train entering double track at junction or initial points, or allowing any train to cross over to opposite track for the purpose of running on such track, operators must secure train dispatcher's authority. (4) Upon receiving proper block clearance and displaying classification signals, any train may proceed without further orders, inferior class trains keeping clear of first class trains. All trains will stop 400 feet from draw span over South Fork Willapa River, three miles case of both 2004, 2004, 400 feet from draw span over South Fork Willapa River, three miles case of both 2004, 400 feet from draw span over South Fork Willapa River, three miles case of both 2004, 400 feet form and 2004 for the span over South Fork Willapa River, three miles case of both 2004, 400 feet form and 2004 for the span over South Fork Willapa River, three miles case of both 2004, 400 feet form and 500 feet form draw span over South Fork Willapa River, three miles case of both 2004, 400 feet form and Frances. Engineers will not be required to consult register except at initial or starting point. **Derail Switches** are located as follows and must be kept in derailing position when not in use: Lebam Mill Spur, Trap Creek Spur, Cram Spur and Wheaton. Trains from South Bend Branch must ascertain Main Line rights by telephone before occupying Main Line at Chehalis Junction. Nos, 391 and 392 will stop on flag at Trap Creek. Trap Creek is flag stop for train 393. clear of first class trains. (5) Any train having work to do, or liable to be delayed by any cause, will report to the superintendent, and will not occupy the main track on the time of first class trains without permission. (6) When a train crosses over to or obstructs the opposite track, unless otherwise provided, it must first be protected as prescribed by Rule 299 in both directions on that track and permission of Block Operator secured. (7) Work extras must move with current of traffic unless otherwise directed. (8) Any train making reverse movement on double track against the current of traffic must receive either clearance or clearance and caution card at every block office they pass.

(6) Any train making reverse interment on double track against the current of traine must receive during intermediation of double of the unit of the posts. (9) If a train should part while in motion, the enginemen and trainmen of the front portion must give train parted signal to trains running on the opposite track. A train receiving this signal or being otherwise notified that a train on the opposite track has parted must immediately reduce speed and proceed with caution until the separated train is passed.

ceed with caution until the separated train is passed.
 (10) Caution must be used by engineers of trains approaching stations where any train is receiving or discharging passengers, full stop being made before passing such train. See Rule No. 304, Transportation Rules.
 (11) To insure personal safety, operators having train orders to deliver to passing trains should stand to the right hand side of train and avoid standing between tracks when possible to do so.
 The single track between depot and the double track switch at Centralia will be operated under Yard Limit rules. Before using single track trains must have time table, or train order rights, or be fully protected by flag. All trains will ascertain position double track switch before using, and will run under full control on the single track between the depot and the double track switch.
 Trains will be governed by automatic block signals between Tacoma and South Tacoma, and between Kalama and Vancouver. See Special Rules, page 10.

H BEND BRANC	CH.		Ea	nst Boi	und.
ne Table No. 34B			FIRST	CLASS.	THIRD CLASS.
Succeeding No. 34A June 21, 1911.	E	sks	392	394	970
STATIONS.	Distance from South Bend	Capacity of Passing Tracks	Passenger	Passenger	Freight
Tolograph Offices and	anc	sing	See page 2	See page 2	See page 2
Telegraph Offices and Calls	Dist	Cap Pas	DAILY	DAILY	EXCEPT SUNDAY
CHEHALIS JCT	56.5	Y	9.40AM	6.30PM	8.35PM
D 1.3	53.1	5	9.26	6.17	8.10
	51.8	37	9.21	6.12	8.25
CERES	46.4	58	9.06	f 5.55	1.55
INGHAUS R. R. CROSSING	40.3				
No Track Connection					
DRYADD 1.3	40.2	90	8.50 969	5.40	1.15 391
DOTYD 4.7	38.9	Spur	8.45	5.85	1.00
PE ELLD 1.4	34.2	75	8.35	5.22	12.30
DRMICK R. R. CROSSING 0.6 Track Connection	32.8				
McCORMICK 1.8	32.2	Spur	f 8.21	5.15	12.10PM
WALVILLE	30.4	Spur	f 8.16	5.11	11.55AM
VILLE R. R. CROSSING 1.6 No Track Connection	29.2				
PLUVIUS 6.4	27.6	36	f 8.07	f 5.05	11. 40 969
FRANCESD 1.3	21.2	35	7.45	4.40	10.20
GLOBE 1.4	19.9	Spur	f 7.39	f 4.36	9.40
LEBAMD 4.3	18.5	14	7.86	4.32	9.30
HOLCOMB	14.2	30	7.24	4.22	9.00
MENLO	10.0	9	7.13	4.12	8.85
WILLAPA	6.0	16	7.02	4.02	8.10
RAYMONDD 3.4	3.4	45	6.57	3.56	8.00
SOUTH BENDD	0.0	150	6.45AM	3.45 PM 969-391	7.80AM
			DAILY	DAILY	EXCEPT SUNDAY
Time Over District			2.55	2.45	8.05
Average Speed per Hour			19.1	20.5	6.9

All trains will stop 400 feet from draw span over South Fork Willapa River, three miles east of South Bend, and will not proceed

West Bou	ınd.				-			BUCKLEY LIN	ia Na Na H					ast Bound.	West Boun	16.	G	RE	EN RIVER BRANCH	1.	East	Bound
THIRD CLAS	S. FIR	ST CI	LASS TR	AINS.	iles, s	8		Time Table No. 34B			FI	RST CLA	ss.	THIRD CLASS.	FIRST CLASS.	ales, es	rs		Time Table No. 34B		F	RST CLAS
971	39	7	367	395	al, Scales d Wyes	Numbers	rom	Succeeding No. 34A June 21, 1911.	Distance from Tacoma Wharf	of racks	368	396	398	972	395			Distance from Kerriston	Succeeding No. 34A June 21, 1911.	from	of Fracks	98
Way Freight	Passe	nger P	assenger	Passenger	er, Co les an	ion N	Distance from Kanaskat	STATIONS.	ance	acity ing T	Passenger	Passenger	Passenger	Way Freight	Passenger	er, Co les an	tion N	tance	STATIONS.	Distance from Kanaskat	Sing Jas	ienger
EXCEPT	DAI	LY	DAILY	DAILY	Wat Tab	Station	Dist Kan	Telegraph Offices and Calls	Dist Tac	Cap Pass	DAILY	DAILY	DAILY	EXCEPT SUNDAY	DAILY	Wat Tab	Sta					
6.30AM	5.	1 OPM	9.40AM	7.10AM		Al	0.0	KANASKAT 1.2	45.9	140	8.50A	10.20AM	7.05PM	1.30PM	6.05AM		C J 15	0.0	KERRISTON 7.6	14.9	8	. 20PM
6.45	5.	15 *	9.45	7.14		1932	1.2	JCN 0.9	44.7	70	8.45	* 10.10	7.00	1.00	6.35	W	CJ 7	7.6	HEMLOCK 0.8	7.3		.40
6.50	5.	16 *	9.47	7.15	w	1933	2.1		43.8	30	i 8.43	* 10.08	6.55	 12.45	6.38		C J 6	8.4	BARNESTON	6.5 8	Spur 7 30	.35
7.05	5.	19 i	9.51	7.18		1934	3.4	BAYNE 1.3	42.5	Spur	i 8.41	* 10.05	6.51	 12.30	6.50		CJ 2	12.5	KANGLEY JCT	2.4	62	.15
7.10	f 5.	22 *	9.55	7.20		1936	4.7	CUMBERLAND 0.8	41.2	No Sdg.	f 8.39	* 10.02	6.46	 12.01	7.004	W Y	A 1	14.9	GVN	0.0	75 7	', 10 PM
7.15 957.45	* 5.	24 *	10.00 396	* 7 .22 971							f 8.38	* 10.00	* 6.43	 11.504								
8.20	5.	87	10.13	7.84		1942	10.9	CWD 3.4	35.0	105	8.28 971	9.50	6.80	 11.20	DAILY	A COLUMN AND A					D	AILY
368			10.01			1045	14.2	BKD	21.6	100	8.18	0.49	6.18	 10.21	.55				Time Over District			1.10
9.25 10.45 67 972 396	р.	50	10.21 971 972	7.44		1945	14.3	4.3	51.0	100	0.10	9.43 971 972	0.10	10.21 9.00 367 971 398	15.1				Average Speed per Hour		1	2.6
11.00	* 6 . 39	80 *	10.80	* 7.53		1949	18.6	CASCADE JCT	27.3	No Sdg.	* 8.05	* 9.82	* 6.00 397	8.20								
11.10AM 12.15PM	6.	08	10.33	8.03 972–368	W C T	1950	19.7	SOSOUTH PRAIRIED 2.8	26.2	135	8.03 972–395	9.30	5.50	8.15 7.55 368-395	Register Engineer Derailing	ring s rs will swit	Static not k ches y	on.—] be requ west o	Kanaskat. uired to consult register except at of main line log landings will be so engines of Logging Co. using tre ir No. 1 at Kerriston. engines of Cascade Timber Co	initial et for d	or start lerail.	ing point.
12.35	f 6.	11 *	10.40	8.10		1954	22.5		23.4	Spur	i 7.55	* 9.23	5.33	7.35	Trains w located 1.100	vill lo	ok ou west o	t for of Spu	engines of Logging Co. using tra r No. 1 at Kerriston.	ick eas	t of der	ail switch
12.40	f 6.	15 *	10.42	f 8.12	-	1955	24.2	CROCKER	21.7	100	f 7.58	* 9.21	f 5.30	 7.80	their siding a	and n	angle	ıt for y.	engines of Cascade Timber Co	. hand	ling logs	between
1.10	6.	25 f	10.50	8.18	Т	1958	26.7	0GD	19.0	200	7.47	9.17	5.22	 7.10	Maximu Derailing	g swit	ch is	locate	ed 250 feet east of Kangley Jct., o	n Kan	gley Lin	e.
1.24	6.	38 *	10.58	8.27		1961	30.3		15.6	8 Spur	i 7.40	9.10	5.12	 6.50	See speci	ial ru	les, pa	ige 8.				
1.80	6.	88 *	11.02	8.87		1963	32.4		13.5		î 7.87	* 9.07	5.06	 6.35								
1.40	* 6.	48 *	11.07	* 8.40	Y	1966	34.8		11.1	70	* 7.84	* 9.04	* 5.00	 6.20								
2.00	6.	58	11.15	9.00	<u> </u>	1967	36.1	PYN 8.5	9.8	70	7.80	9.00 395	4.55	 6.10	-							
	7.	10PM	11.30AM	9.25A			44.6	QN	1.3		7.15A	N 8.45A	4.30PM									
2.45PM				n an	-	1976	45.9	TACOMA WHARF	0.0					5.30A								
EXCEPT	DAI		DAILY	DAILY		-	·			·	DAILY	DAILY	DAILY	 EXCEPT SUNDAY	-							
8.15		.00	1.50	2.05	-		-	Time Over District		·	1.35	1.35	2.35	 8.00								
5.5	22		25.0	22.0	1		-	Average Speed per Hour		·	28.9	28.9	17.7	 5.7								

Speed of trains over crossover switches at Tidewater and Puvallup and over 15th Street Bridge, entering Tacoma passenger yard, must not exceed ten Speed of trains over crossover switches at Tidewater and Puyallup and over 15th Street Bridge, entering Tacoma passenger yard, must not exceed ten 10) miles per hour. Trains entering Tacoma Union Station from Tacoma Division Main Line or Draw Bridge Line, will not exceed five miles per hour over switches at the north end of passenger yard, and over switches at Fifteenth street. Trains running via the head of Bay will use extreme care and not exceed eight miles per hour around curve at south end of passenger yard. Tacoma yard extends to Tidewater.

Trains originating or terminating at Tacoma will run via Head of Bay yard. Trains from Seattle Line for Tacoma Division main line or vice versa, will run via Draw Bridge Line.

run via Draw Bridge Line. Tacoma Division trains using track between Tidewater and Puyallup will provide themselves with copy of Seattle Division time card and be governed natructions issued by Superintendent Seattle Division. **Registering Stations**—Tacoma Wharf, Tacoma, Puyallup, South Prairie and Palmer Junction. Grocker and Orting are registering stations for trains terminating there. (See Special Rules Staff Operation, page 7.) Engineers will not be required to consult register, except at initial or starting point. At Puyallup and Palmer Junction all trains register by ticket, and no clearance required unless red signal displayed.

At Puyallup and Palmer Junction all trains register by ticket, and no clearance required unless red signal displayed. At Tacoma Wharf and Tacoma no clearance required. Bulitetin Stations.—Tacoma Wharf, Tacoma, South Prairie. Standard Cicek.—Tacoma. South Prairie Yard extends to Cascade Junction. Trains will approach Cascade Junction under full control, looking out for branch line trains. Speed of passenger trains must not exceed thirty miles per hour, and speed of freight trains twenty miles per hour, from Buckley to Cascade Junction. Speed of passenger trains must not exceed thirty miles per hour, and speed of freight trains twenty miles per hour, from Buckley to Cascade Junction. Speed must not exceed ten miles per hour within the corporate limits of Puyallup, Orting, Buckley and Enumclaw. Buckley Line extends to Puyallup, and the new or extreme left hand track coming west between Meeker and Puyallup. Buckley Line in track for Buckley Line, and also is passing track and operated under yard limit rules. Puyallup yard limits extend from Meeker to Puyallup. Buckley Line trains in either direc-tion will use East bound main track of Seattle Line in running around water tank at Meeker. All trains must approach this point under full control and be sure track is clear before proceeding. Buckley Line trains will protect by fing when using this gauntlet. In order to fully safeguard operation of the track known as the Buckley Line between Meeker and Puyallup and which track is also used as a passing track for main line trains, and for safeguarding the gauntlet in front of the tank in which Buckley Line trains use the east bound line, following will govern during foggy weather:

during foggy weather:

during foggy weather: Conductors and engineers of trains from Buckley Line, before leaving Meeker, will obtain from operator at Puyallup by telephone, block, indicat-ing position of trains on east bound track between Puyallup and Meeker, and, in addition to this, before using gauntlet, will fully protect by flag. Will also ascertain from operator the position of trains on Buckley Line between Puyallup and Meeker. No trains, either main line or Buckley Line, will use this portion of the track during foggy weather without obtaining block from operator at Puyallup, and in addition to such precaution, will keep under full con-trol, moving at slow speed, taking such precautions that in case track is occupied, that there will be no possibility of accident.

Trains from Buckley Line that have loads for Seattle Line will leave them at Meeker on siding located between east and west legs of the wye. Any loads for the industries at Meeker will be taken to Puyallup, and from there handled to the industries by using West bound main line to passing track switch just west of the Jurin Mill under protection of flag, while occupying main track. Block must be obtained and the work handled in such way as not to delay passenger trains.

Trains from Buckley Line must ascertain main line rights befor occupying main line at Puyallup.

Double track switches at Cascade Junction and South Prairie will be set for east bound track, and cross-over switch at west end of west bound track, near water tank, will be set for passing track.

Maximum grades, one mile west of Buckley to Cascade Junction. Engines of any class must not be double headed over Bridge 228, Buckley loop, between Cascade Junction and Buckley. No engine heavier than N. P. class "W" loaced weight, of which is as follows. Weight of drivers, 207,000 lbs.; weight of engine and tender, 456,800 lbs will be run over Bridge No. 254, Tacoma Draw Span. No two Engines of any class will double head over this bridge where the combined weight is greater than N. P. Class W. Speed of all trains must not exceed ten (10) miles per hour over Tacoma Draw Span. Trains will keep to the right on double track between Cascade Junction and South Prairie water tank and between Tidewater and Tacoma Wharf. Derail Switches at Valley Mill Co.'s Spur, one mile west Buckley, west end of passing track at South Prairie and west end of Crocker Yard. East end of Mill Siding, Meeker, must be kept in derailing position when not in use. At Puyallup the upper semaphore arms govern movement of trains using Seattle Line; lower semaphore arms govern movements to and from Buckley Line. At Fuyaling the upper semaphore and gotter a

NOTE_-No. 398 will wait at Puyallup for connection with No. 323. No. 396 will connect with No. No. 321 at Puyallup.
 No. 368 will connect with Seattle Division No. 280, at Kanaskat.
 No. 367 will connect with Seattle Division No. 3. No. 366 will connect with Seattle Division No. 4 at Kanaskat.
 No. 367 will connect with Seattle Division No. 3. No. 366 will connect with Seattle Division No. 4 at Kanaskat.
 No. 367 will connect with Seattle Division No. 3. No. 366 will connect with Seattle Division No. 4 at Kanaskat.
 No. 367 and No. 368 will stop on flag at Cumberland for passengers to or from points east of Palmer Junction.
 Between Tidewater and Tacoma engineer will obtain card order at Tidewater or Tacoma as authority to use draw-bridge line. Interlocking signals at east and west approach to drawbridge control use of bridge, and trains will not proceed unless home semaphore shows clear indication.
 Trains will approach cross-over switches on double track between Tidewater and Tacoma Whari, loacted at East L Street (near head of Bay Yard Office), East D Street (near Round House) and South Twenty-first Street (entering Passenger Station), under full control and will not proceed until tracks are known to be clear and signal is received from Switch Tender.
 Trains will approach tridewater under full control, and will not proceed until tracks are known to be clear and signal is received from Switch Tender.
 Trains will not proceed under sing double tracks, will carefully inspect loading; and, if insecure, will obtain orders insuring that other trains will not be clear and signal is received from Switch Tender.

trains will not be met while running. Trains will not exceed 25 miles per hour around curves on Buckley Loop between Cascade Jct. and Buckley. At Tacoma, a signal of the single arm semaphore pattern located near junction of temporary line leading to passenger station and the draw bridge line at 15th Street; another signal of the same pattern at the North end of passenger yard. The two signals controlled by switch tender at 15th Street an. govern single track passenger line between 15th Street ano Tacoma passenger station. No train from the draw bridge line or Tacoma Division Main Line will enter passenger station when signal at 15th Street is at "Danger." The use of switch tenders at switches at north end of passenger yard has been discontinued and trains coming into the yard at that point must positively know that switches are lined up for elear track before passing. Push button operating signal to tower at 15th Street is located on post telegraph office, entrance from stairway on south side of depot. Maximum speed of passenger trains is one minute, 60 seconds, per mile. This speed must not be exceeded.

THIS TIME CARD CONFERS NO RIGHTS ON TACOMA DIVISION TRAINS BETWEEN PALMER JUNCTION AND KANASKAT. No. 395, No. 396, No. 367, No. 368, No. 397, No. 398, No. 971, and No. 972, will be handled by Train Order, and run as Extras between Palmer Junction and Kanaskat. Conductors and Engineers will provide themselves with current time table of Seattle Division, governing use of track between Kanaskat and Palmer

Junction

1

				Kangera siktol							alante d'Ante			7							an a	
West	Boun	d.		B	JRNETT BRANCH.			ast Bo	und.	West	: Be	un	d.	WILKESON BRANC	.		ast Bou	md.	West	t Bo	umc	all a state
FIRST	8	es.	nbers	from	Time Table No. 34B		cks	FIRST	CLASS.	FIRST CLASS.	les	Numbers	om	Time Table No. 34B	Е.,	ucks	FIRST (LASS.		l, les	Station Numbers	om
373	375	Coal Tabl	Station Number	ce fro	Succeeding No. 34A June 21, 1911.	Distance from Cascade Jct.	Capacity of Passing Tracks	374	376	377	Tables yes	u Nur	Distance from Fairfax	Succeeding No. 34A June 21, 1911.	Distance from Cascade Jct.	pacity of ssing Tracks	378		-	, Coal, , Tables ,yes	u Nu	Distance from Simpson
ssenger	Passenger	ater, ales, id W	ation	Distance 1 Spiketon	STATIONS.	istan ascad	apaci assin	Passenger	Passenger	Passenger	Water Scales and W	Station	istan airfa	STATIONS.	istan ascae	apac assin	Passenger			Water, Scales, and Wy	tatio	istar imps
DAILY		Wat Scal			Telegraph Offices and Calls		ບໍລິ 45	DAILY 7.25AM	DAILY 6.20PM	DAILY 6.104		б СВ		Telegraph Offices and Calls FXD			DAILY 7.85PM					
6.21PM	7.26AM				SPIKETON 2.1	3.4						15		1.7		Spur					10	
6.26	7.84	s	C C 2	2.1	BNBURNETTD 1.3	1.3	45	7.15	6.15	6.17		СВ 13		4.5	13.8	Spur	7.30				9	1.5
6.31PM	* 7.39AM		1949	3.4	CASCADE JCT	0.0	No Sdg.	* 7.10AM	* 6.10PM				6.2	CARBON COAL CO. CROSSING	9.3						СН 7½	2.3
DAILY	DAILY							DAILY	DAILY	6.85		С В 8	6.8	CBD 3.8	8.7	5	7.15	-			С Н 7	2.5
.10	.13 				Time Over District Average Speed per Hour			.15	.10	6.55	SΤ	C B 5	10.6	WXD 4.9	4.9	90					CH 5	5.
	Registe	ring	Stati	ons	-Burnett and Cascade Junction.	Eng	ineers	s will not	be	* 7.10AM		1949	15.5	CASCADE JCT	0.0	No Sdg.	* 6.31PM			-	CH 4	6.0
re wi	mired to a	oneult	ramic	tor or	cept at initial or starting point. Juarries by derail. Speed of train	Swite	hes at	oove Burne	ett							-oug.					C M 19	10.0
700	t avroad 2	mila	a nor	hour	x miles per hour within the corpo n platform at Spiketon must be s					DAILY							DAILY			in serv	vice ir	
wl	Derail S nen not in	witch use.	east s	statio	n platform at Spiketon must be s	et and	lock	ed for der	ail	1.00				Time Over District			1.04		Eng	isteri ineers	will n	not l
West	Boun	d_			DRTING BRANCH.			ast Bo	und.	15.5				Average Speed per Hour			15.4		Nor	ft, 2.0 E.—A	ll trai	ins v
) IS		1			8											to act as	tch in derail		
		Coal, Tables yes	Station Numbers	rom ack	Time Table No. 34B Succeeding No. 34A	from	Capacity of Passing Tracks													geographic a	1-16-1-14-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	a sugar to
			Nu Nu	nce f	June 21, 1911.	nce	city ng T						rades					_	West	t Bo	unc	1.
		Water, Scales, and W	itatic	Distance from End of Track	STATIONS.	Distance Orting	Capa Passi			Ene	ineer	will	not b	ns. —Fairfax and Cascade Junctice e required to consult register exce	nt at	initia	al or startin	g point.		60	bers	E
					Telegraph Offices and Calls	10.0				cated 20	0 feet	east	of ea	Cascade Junction will be set for st switch at Montezuma will be k	ept s	set an	d locked fo	r derail.		Coal, Tables /es	Mum	e froi
					1.3 TACOMA & EASTERN CROSS'G	8.7				ado will	be set	for	Fairfa	a switch at Wilkeson and Fairfax x Line.				Carbon- –		er, f es, T Wye	Station Numbers	Distance from Wingate
		<u> </u>			1.4		10			Tra	ins w	trains ill sto	s when op at	n backing up must not exceed 20 railroad crossing near Fairfax J	uncti	on, b	hour. etween Ca	bonado –		Water, Scales, and W _j	Stat	Win
			CE 8		PUYALLUP RIVER 7.3						ail sw			est end of coal track at Melmont			eet east of (Cascade –		ws	CD 5	0.0
		WТ	1958	10.0	0GD	0.0	200			Swl	tch e	be k ast o	ept so of de	et in derailing position when not i pot at Fairfax will be set to p	n use rote	e. ct ca	rs at Bunl	kers by			1955	5 5
tra	Enginee Junction ock from c Maximu See spec Derailin	rs will n swit ross-o im gra cial ru g swit	l not k ch, or ver to ides o les, pa ich 20	ne req stati stati n St. age 8.	Orting. Uired to consult register except at le east of Orting station will be on will be used as a main line pas Paul & Tacoma Lumber Co.'s line east of Junction switch must be ft set for derail.	set fo sing ti east o left se	or cro ack. of Puy	yallup Riv	nd	ington N	lanuf	actur	ing C	rfax and Montezuma will look ou ompany, switching at Montezuma ver No. 378 Fairfax to Cascade Ju	ι.	00	ing train of		to act as Eng Dera gate, mu	ineers ailing	l. will n switch left se	not k hes et fo
							x\$7955 5055					(COR	MERCIAL SPURS.								
DIC	MAI TANCE F				MAIN LINE	-Cor	ŧ.			BRANC				BUCKLEY LINE.	Fore	n		IE-Cor	3.0		SOI RAN	
					Byckford		53.7	Veneer				Ē	Big 6	1.6	Dub	y			12.0 L	ewis 'rap C	reek	
	•••••				Newaukum	• • • • •	.57.6	i						ntal 1.8		99	OUTH BRAN		W	Vheato	n	
Mentz	er	• • • • •	• • • • •	•••	38.3 Evaline		65.0)				I	losem	ar	DIS	TAN	CE FROM	CHEHALI	S JC. T	hore 'urney		
Tenino	Stone Co	• • • • •	• • • • •	•••	39.5 Capitol Mills		69.7	Dempsey	y Lumber (Co	. 8			one 12.5	Don	ahue.			12.0	layfair Ma		THE OWNER WHEN
Bluma	ue r							 Electron 		sher				field 19.1	May	/S		<u> </u>	13.0	DIS		CE
Great	Western C	oal C	0					-		I BRAN		Ī		e	Onn			· · · · · · · · · · · · · ·	16.9 N	IcCuto Dole	cheon	
Martin	Lbr. Co.	 - • • • • • •			49.2					M CASCAL					Ash	ock.		<u> </u>	28.1 B	outon	Perki	ins.
					CROCKER BRA			Brierhill	Coal & Co	oke Co	. 4	.5		TANCE FROM CENTRALIA.	Cust	ter			34.6 D	Daley.		
					51.5 Morse																	
			76 DI LANNALIS		IGHT TRAINS AUT	ingi tarihan kuna				*****				n a na san a na sana na								F26570

ORTING LOG TRAIN.—Between Orting and End of Track on Orting Branch.

.

1.

ELMA LOG TRAIN.—Between Elma and End of Track on Elma Branch.

OLYMPIA LOG TRAIN.—Between and Bordeaux.

ELMA BRA	NCH.	1972) (ma) (f) (g)	E	ist	Bo	una	d.
Time Table No. Succeeding No. 3 June 21, 191). 34B ^{34A} 1.	Distance from Elma	Capacity of Passing Tracks				-
STATIONS. Telegraph Offices an	d Calls	Distan Elma	Capac Passin				· · · · ·
		10.0	7				
SMITHS SPUI	2	8.8	4				
HILLGROVE		7.7	4				-
McCLEARY 2.6	•••••	7.5	8				,
RAYVILLE. 0.9		4.9	4				
WHITE'S 4.0		4.0	5				
EFELMA ar—dependent on amo	I	0.0	60				
ll run slow between Sin just above switch lea cial Rules, page 8. CROCKER B	RANCI	ling s	at Sir	apsor	nt h n mus Bo	st be	left
Time Table No), 34B	g	n				
Succeeding No. 3 June 21, 191	34A	e froi	e fror Jct.				
STATIONS.	,	Distance from Crocker	Distance from Cascade Jct.				
Telegraph Offices an							
WINGATE. 5.2		5.2	140				
CROCKER.		0.0	100				
required to consult re Crocker. and in main lerail. See special ru	n track 550) feet	initia wes	l or s t of c	tarti lepot	ng po at V	oint. Vin-
H BEND H—Cont. 40.2	GR/ distan		LIN	E.			N.
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Molberg					. 1	6.0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Standard (Black Lake						$\frac{3.4}{8.2}$
55.5	Overton						3.4
BRANCH. ROM YACOLT.	Ames Bagshaw.						$\frac{5.6}{0.5}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Malone						8.1
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Java Vance						$\frac{0.5}{4.9}$
<u>7.9</u> 10.0	Weatherwa	ax				. 7	3.9
	Ninemire &	& Mo	organ		•••••	. 8	6.4
TRANSPORTA	TION.						

AUTHORIZED SURGEONS, O.-W. R. R. & N. CO.

 SEATTLE— Dr. Montgomery Russell, Division Surgeon. Dr. F. R. Underwood, Assistant Surgeon, 618-20-22 Leary Bldg. District between Seattle and Tacoma. Dr. E. B. Burwell, Oculist and Aurist, 300-1 Cobb Bldg. AUBURN— Dr. F. D. Merritt, District Surgeon. District between Seattle and Tacoma. 	 TACOMA— Dr. Chas. James, District Surgeon, 514 California Bldg. District between Auburn and Tenino. TENINO— Dr. Chas. E. Robson, District Surgeon. District between Tacoma and Centralia. WINLOCK— Dr. Irvin W. Weichbrod, District Surgeon. District between Castle Rock and Centralia. 	 CENTRALIA— Dr. David Livingstone, District Surgeon. District between Winlock and Tenino, Elma and Hannaford Creek Branch. CASTLE ROCK— Dr. T. C. Campbell, District Surgeon. District between Kelso and Winlock. KELSO— Dr. C. W. Bales, District Surgeon. District between Kalama and Castle Rock 	and District between Va VANCOUVER— Dr. J. T. Guerin, D District between Ka ALBINA— Dr. Curtis C. Holco	istrict Surgeon.
	AUT	THORIZED SURGEONS, N. P. Location of Stretchers (S).	RY. CO.	
DR. S. W. MOWERS, Chief Surgeon, DR. W. B. J. Western Div., Tacoma.	PENNY, Wilkeson, Wn. Orting (S). Uup (S). Tacoma Baggage Roor Tacoma Wharf Tacoma (Toolc:	(S). DR. J. W. MOWELL, Olympia (S).	DR. H. C. WATKINS, Hoquiam. DR. PAUL SMITS, Aberdeen. DR. A. B. MACLEAN, PE Ell.	DB. T. C. CAMPBEI Dr. L. M. Sims, K. Dr. J. McChesney

DR. J. H. SHEETS, Buckley (S). P. B. SWEET, Kangley, Wn.

1

Tacoma Hospital (S). Tacoma Round House (S). DR. P. B. SWEARINGEN, So. Tacoma(S). DR. E. L. CARLSEN, So, Tacoma (S). DR. F. L. CARLSEN, So, Tacoma (S).

oquiam. leen. e Ell. DR. W. GRUWELL, So. Bend (S).

DR. I. A. WEICHBROD, Winlock.

Note.

Surgeons will attend, when called upon officially, to all cases of ACCIDENT occurring to employes or passengers. In cases of SICKNESS it is the intention to limit medical service to the locality or town where a surgeon resides, unless some urgent necessity exists, for which distinct official authority must be had in accordance with established regulations. Railway Officials are required to call on the nearest authorized surgeons whenever practicable, when surgical or medical services are needed. When such are accessible, the Association will not be responsible for bills for medical services rendered by any other physician. In the event of a sudden emergency, arising from accident, if necessary proper surgical aid should be procured until the ar-

rival of a regularly appointed surgeon, when the case should be placed in his charge, and in no case should the services of any but an authorized company surgeon be continued at the expense of the Railway Company or of the Association after such surgeon is able to assume charge of the case

Boarding and Nursing are furnished ONLY AT OUR OWN HOSPITALS. We are not responsible for bills incurred elsewhere unless specially authorized or approved by the Chief Surgeon, and then only in critical cases of injury or illness occurring in the discharge of duty.

AUTHORIZED SURGEONS, G. N. RY. CO.

DR. J. A. LA GASA, Tacoma

TACOMA TERMINAL DIVISION

Tacoma Terminal embraces Northern Pacific lines from Tidewater at the west line of East "Q" Street to Mile Post 8+942 feet, or approximately 2½ miles west of South Tacoma.

Registering Stations .-- Tacoma yard office, Tacoma and South Tacoma.

Bulletin Stations.-Tacoma yard office and Tacoma.

Standard Clock.-Tacoma

Passenger trains will register by ticket at South Tacoma. Clearance will not be issued at South Tacoma unless RED signal is displayed. At Tacoma yard office and Tacoma no clearance required.

Derail Switches are located as follows, and must be kept set in derailing position when not in use: Harrison Bros. Spur and Keystone Lumber Co. Spur.

Freight trains leaving Tacoma yard, or switch engine taking transfer to South Tacoma, will not pass cross-over track above 15th Street leading from passenger yard to outgoing track without signal from switch tender, who will not allow trains or transfers to pass this cross-over when any passenger train is backing out of or waiting in the passenger station. East bound trains will be under absolute control approaching Pacific Avenue at Tacoma and will not pass Pacific Avenue crossing without signal from switch tender, indicating control approaching Facilic Avenue at Facilita and will not pass Facilit Avenue crossing without signal from switch tender, indicating that cross-overs at Pacific Avenue are clear. All trains which will use the Draw Bridge Line at Tacoma without entering passenger station will stop above Pacific Avenue and not proceed beyond there until engineer is furnished with a bridge card and an understanding established with tower man covering movement of train over Draw Bridge Line. If it is found that freight trains cannot use Draw Bridge Line and passenger train will be delayed on this account, conductor will arrange to enter Half Moon Yard and be handled via freight tracks to Tidewater.

Maximum Grades .- Tacoma Yard Office to two and one-half miles west. Speed of trains over cross-over switches at Tidewater and over 15th Street Bridge, entering Tacoma Passenger Yard, must not exceed ten (10) miles per hour, and five (5) miles per hour over switches at north end of passenger vard.

No engine heavier than N. P. class "W," loaded weight of which is as follows-weight on drivers, 207,000 lbs.; weight of engine and tender, 456,800 lbs., will be run over Bridge No. 254, Tacoma Draw Span.

No two engines of any class will double-head over this bridge where the combined weight is greater than N. P. class "W." Speed

of all trains must not exceed ten (10) miles per hour over Tacoma Draw Span. Trains will keep to the right on double track between Tidewater and Tacoma Wharf and between Tacoma and South Tacoma. Between Tidewater and Tacoma, engineer will obtain card order at Tidewater or Tacoma as authority to use Draw Bridge Line. Bridge card to be delivered to operator at Tidewater or to Chief Dispatcher at Tacoma. Interlocking signals at east and west approach to Draw Bridge control use of bridge and trains will not proceed until tracks are known to be clear and signal is received from switch tender.

switch tender.

Distance Sighal located on drawbridge line 1500 feet east of home signal just east of Tacoma draw span, bridge 254, has been made semi-automatic. When home signal is clear, distance signal will be clear; when home signal shows stop position, distance signal will show stop position. Trains will observe automatic block rules, coming to full stop at distance signal, when same shows stop position, then proceed under full control to home signal.

Trains will approach cross-over switches on double track between Tidewater and Tacoma Wharf located at East L Street (near Head of Bay Yard Office), East D Street (near Round House) and South Twenty-first Street (entering Passenger Station) under full control, and will not proceed until tracks are known to be clear and signal is received from switch tender.

At Tacoma a signal of the single arm semaphore pattern, located near junction of line leading to passenger station and the Draw Bridge Line at 15th Street; another signal of the same pattern at the north end of Passenger Yard. The two signals are to be controlled by switch tender at 15th Street, and will govern single track passenger line between 15th Street and Tacoma passenger station. No train from the Draw Bridge Line or Tacoma Division main line will enter passenger station when signal at 15th Street is at "Danger" and no train will proceed from passenger station yard to Draw Bridge Line or Tacoma Division main line when signal at the north end of yard is at "Danger."

Trains entering passenger station via Head of Bay will use extreme care and not exceed eight (8) miles per hour around curves at south end of passenger yard. As there are no switch tenders at switches at the north end of passenger yard, trains coming into the yard at that point must positively know that switches are lined up for clear track before passing them. Push button operating signal to Tower man will be located on post under Concourse. Switch crew will operate for Portland bound trains and Conductors attend to it for Seattle bound trains.

J. S. DEAN. **Chief Dispatcher, Tacoma**

PORTLAND-Dr. Kenneth A. J. Mackenzie, Chief Surgeon. Dr. Geo. Ainslie, Consulting Oculist and Aurist. Dr. Frank M. Taylor, Assistant Surgeon. Dr. D. H. Jessup, Assistant Surgeon.

DR. T. C. CAMPBELL, Castle Rock. DR. L. M. SIMS, Kalama (S). DR. J. MCCHESNEY, St. John's DR. J. T. GUERIN, Vancouver (S) DR. ANDREW C. SMITH, Portland (S).

DR. P. B. WING, Oculist, Tacoma. DR. W. G. CAMERON, Specialist, Tacoma DR. J. F. DICKSON, Oculist, Portland DR. A. W. STEVENSON, Yacolt (S).

					BUCKLE	EY LIN	EEAST	BOUN	D.									
	Cla	ss Z	Clas	s W	Class Y-5 Class		Class	Class Y-2 Class F		5 F-1	Clas	is S Cla		5 E-4	Class E-3 or D-3		Class C-6	
	Tons	Cars	Tons	Cars	Tons	Cars	Tons	Cars	Tons	Cars	Tons	Cars	Tons	Cars	Tons	Cars	Tons	Car
Tacoma to South Prairie			1150	38	1100	37	950	32	900	30	800	27	500	17	475	16	350	12
South Prairie to Buckley			600	20	625	21	500	17	450	15	400	14	250	9	235	8	175	6
Buckley to Palmer Jct			1100	37	1100	37	900	30	900	30	800	27	500	17	475	16	350	12
Tacoma to South Prairie	•••••	••••••	Maxi 80 C		Maxi 80 C		Maxi 80 C		Maxi 60 C		Maxi 80 C		Maxi 60 C		Maxi 60 C			imum Cars
· · · · · · · · · · · · · · · · · · ·					BUCKL	EY LIN	E-WES	T BOU	ND.						-			
Palmer to Tacoma	o Tacoma		Maximum 80 Cars 80 Cars		Maximum 80 Cars 80 Cars		Maximum 80 Cars			Maximum 60 Cars		Maximum 60 Cars		Maximum 60 Cars				
					MAIN	I LINE-	-WEST	BOUN).									
	Class W		Class Y-2		Class F-1		Class S		Clas	is P	Class E-4		Class E-3		Class D-3		Class C-6	
GRADES.	Tons	Cars	Tons	Cars	Tons	Cars	Tons	Cars	Tons	Cars	Tons	Cars	Tons	Cars	Tons	Cars	Tons	Car
South Tacoma to Rainier	1600	53	1350	45	1200	40	1150	38	1050	35	850	28	825	27	825	-27	700	23
Rainier to Chehalis		60		60		60		60		60		60		50		50		40
Chehalis to Napavine	1200	38	1000	34	900	30	850	28	750	25	550	18	525	17	525	17	400	13
Napavine to Portland		60		60	1500	50	2000	60	1400	47	1200	40	1175	39	1175	39	1050	35
					MAIN	I LINE-	-EAST	BOUND										
Portland to Winlock	1750	58	1550	52	1400	47	1350	45	1250	41	1050	35	1025	34	1025	34	900	30
Winlock to Napavine	1260	42	1110	37	1010	33	960	32	860	29	660	22	635	21	635	21	510	17
					1100	0.0	1050	35	950	31	750	05	705	24	705	04	c00	20
Napavine to Rainier	1500	50	1250	41	1100	36	1050	50	950	51	750	25	725	24	725	24	600	20

Hereafter the above table of ratings will govern on ruling grades. These ratings are based on a normal number of cars of thirty tons each.

To find the rating of an engine when train contains more | the rating for each car in excess of the normal. or less than normal number of cars, add five tons to the rating of each car less than the normal, and subtract five tons from

TONNAGE RATING-ENGINES OF O.-W. R. & N. CO. BETWEEN SEATTLE AND PORTLAND.

	1	1							11	· · · · · · · · · · · · · · · · · · ·			·		
			1	· E	AST BOUL	ND	1 1		WEST BOUND						
LASSIFICATION	Engine Numbers	Portland to Kalama	Kalama to Olequa	Olequa to Winlock	Winlock to Napavine	Centralia to Rainier	Rainier to So. Tacoma	Tacoma to Seattle	Seattle to Tacoma Jct	Tacoma Jct to Tacoma	Tacoma to So. Tacoma	So. Tacoma to Rainier	Centralia to Napavine	Napavine to Portland	e
T-63 $\frac{20}{24}$ 113	136–146	1580	1200	990	720	790	1120	1280	1280	655	315	900	655	1580	
	170–207	1900	1440	1190	870	960	1310	1540	1540	800	370	1080	800	1900	
T-69 $\frac{22}{28}$ 159	250–305	2200	1680	1380	1000	1110	1560	1790	1790	900	440	1250	900	2200 、	
C-57 $\frac{15\frac{1}{2}x26}{30}$ 176	330–349	2335	1790	1475	1075	1190	1680	1900	1900	985	500	1335	985	2335	
C-57 $\frac{22}{30}$ 187	350–400	2940	2250	1860	1360	1490	2120	2380	2380	1220	560	1680	1220	2940	
$x-57 \frac{23\frac{34}}{30} 208\dots$	500–540	3100	2340	1930	1400	1550	2200	2490	2490	1250	580	1700	1250	3100	
$1-63 \frac{20}{28} 147$	C. R. Y. y P. 504–526.	2050	1550	1300	940	1035	1500	1710	1710	840	400	1150	840	2050	
$1-57 \frac{20}{26} 132$	720–727														
$1-63 \frac{15\frac{1}{2} \times 26}{28} 144 \dots$	1740–1798	1800	1320	1130	840	910	1280	1460	1460	750	350	1020	750	1800	
$S-55 \frac{19}{26} 130$	552										380				

Rating of Locomotives in Tons of 2000 Pounds

Ratings for time freight trains, Albina to Tacoma, is 10% less than tabulated rating as shown between Winlock and Napavine and between Centralia and Tacoma.

Restrictions Governing Class of Power That May be Used on Tacoma Division.

Buckley Line.—All classes except Class Z Mallet Engines. Wilkeson Branch, Cascade Jct. to Wilkeson and Wilkeson to Carbonado.—No engine heavier than S.

Carbonado to Fairfax.—No engine heavier than F-1. Burnett Branch.—All classes except Q. T., W X Y and Z.

Crocker Branch.-No engine heavier than F-1.

-

~

Orting Branch.-No engine heavier than F-1.

Green River Branch.-No engine heavier than F-1. Main Line.-All classes.

Grays Harbor Line, Lakeview to Gate .-- No engine heavier than P compound passenger engine and S at slow speed. Grays Harbor and Gate Line, Gate to Hoquiam .--No engine heavier than S-4.

Grays Harbor Line, Hoquiam to Moclips .-- No engine heavier than F-1.

Ocosta Branch, Aberdeen Jct. to Cosmopolis.--No engine heavier than F-1.

Cosmopolis Jct. to Ocosta.-No engine heavier than mogul.

Elma Branch.—No engine heavier than F-1.

South Bend Branch.-No engine heavier than S, except Draw Span between Raymond and South Bend; no engine heavier than mogul.

Yacolt Branch.-No engine heavier than S-4.

No engine heavier than N. P. class W, loaded weights of which is as follows: Weight on drivers, 203,000 lbs.; weight of engine and tender, 407,500 lbs.

No two engines of any class will double head over this bridge where combined weight is greater than N. P. Class W. Speed of trains will be restricted to ten (10) miles per hour over this bridge.

Double headers will not be run over the following bridges when road engine is heavier than mogul.

No. 2 and No. 13 between Centralia and Gate.

These ratings include total weight of train, exclusive of gine and tender, which the different classes of locomotives I haul in each direction between the stations shown.

Between stations for which no rating is shown, maximum ll apply.

CLASS

-Eight Wheelers
—Atlantic Type
-Pacific Type
—Ten Wheelers
-Moguls
'-Mikado
-Consolidation Engines
'—Twelve Wheelers
-Switch

Example.—Consolidation engine having 57 inch drivers, inders 22-inch diameter and 30-inch stroke, and weighing ,000 pounds on drivers:

C-57
$$\frac{22}{30}$$
 187

RULES GOVERNING AUTOMATIC SIGNALS BETWEEN SOUTH TACOMA AND HALF MOON YARD, TACOMA.

Automatic signals of the three position semaphore type govern East and West bound main line between South Tacoma and Half Moon Yard, Tacoma

First semaphore on East bound main line is located about 1,500 feet east of passenger station, South Tacoma; the last semaphore before reaching Half Moon Yard, Tacoma, located just east of 15th Street viaduct, and governs the use of track between that point and the overhead bridge at 9th Street; the first semaphore on West bound main line located about 2,000 feet west of the overhead bridge at 11th Street; the last one is located one-half mile east of South Tacoma Station, and governs the use of the track to the South Tacoma Station. The semaphore shows three indications, as follows:

When semaphore arm is 90 degrees upward or light shows green, it indicates "Clear."

When semaphore arm is 45 degrees upward or light shows yellow, it indicates "Caution."

When semaphore arm is at horizontal position or light shows red, it is a signal to stop, block not clear.

All semaphore arms that govern are displayed to the right of signal mast as seen from approaching train. When semaphore arm is in horizontal position or light shows "red," it is a signal to stop, block immediately ahead is occupied. When semaphore is 45 de-grees upward or light shows "yellow," it is caution signal, and indicates block immediately ahead is not occupied but next semaphore is at Danger. When semaphore is 90 degrees upward or light shows "green," it indicates that block ahead is clear and the next signal is also clear. Train approaching semaphore and finding it at Danger, will come to full stop, and will proceed under full control. expecting to find block occupied. Train approaching semaphore and finding it at Caution, will proceed, expecting to find next signal in advance at Danger. Train approaching semaphore and finding it at Clear indication, will proceed, expecting to find next signal immediately ahead Clear.

Trains occupying East bound main line between 15th Street viaduct and 9th Street bridge, Half Moon Yard, will hold signal at 15th Street viaduct at Danger. Trains occupying West bound main line between passenger station South Tacoma and the semaphore located one-half mile east, will hold this semaphore at Danger.

All main line switches and both ends of crossover switches within automatic block limits are provided with switch instruments so connected to switch point that the opening of any switch will hold signal of that block at Danger until switch is again closed. The opening of switch at either end of main track crossover will hold signals on both tracks at Danger. If either end of crossover leading to siding is opened, it will hold the signal at Danger that controls block on track to which it is connected. Neither switch or crossover should, therefore, be opened until movement of train is to be made.

Switch indicators of semaphore pattern are located at both ends of crossover switches leading from West bound to East bound main line just east of Pacific Avenue crossing. When indicator arm is in horizontal position it is an indication that block is occupied; when indicator arm is downward it indicates Clear, block not occupied. The opening of either end of crossover switches will set indicator at horizontal or Danger position; in case indicator does not go to Danger when switch points are opened, it is an indication that the signals governing the block have not gone to Danger and that signals are out of order. In such cases movement must be made under protection of flag. Trainmen or yard crews desiring to occupy main line, or to move from West bound track to East bound track, must not open switch leading to that track when indicators show Danger, but must wait until the approaching train shall have passed the switch and out of the block.

If switch indicator shows Danger, provided that after waiting five (5) minutes train does not appear or indicator does not go Clear position, switches may be used provided movement is fully protected by flag.

Passenger trains must not proceed through crossover from Pacific avenue passenger yard to outgoing main line when block on East bound main line is occupied, until it is positively known that descending train has stopped and will be held above crossovers until passenger train has passed and is clear of the crossover switches.

Cars and engines on side tracks must stand back of insulated joints in order that semaphore will not be held at Danger, Freight trains must clear block before passenger trains are due to enter same. Whenever a train is mentioned in these rules—the term "Train" applies to either a road or switch engine with or without cars. The practice of dumping cinders from engines within automatic block limits is prohibited as it interferes with operation of signals.

The semaphore located at 15th Street on East bound track and the one located one-half mile east of South Tacoma on West bound main track are of the cantilever pattern. These signals are equipped with a bracket upon which is erected a post four feet in length, four inches in diameter. The post is equipped with a yellow light at night, indicating that the semaphore upon which they are attached governs main line and NOT the side track

Before using the crossover switches above Bailey Street and below Tacoma Avenue, in order to cross over from one Main Line to the other, after throwing the first switch wait three (3) minutes before throwing the next switch and crossing over. This in order to be sure that no train has entered the block before crossover switch had been thrown setting signals at danger.

RULES GOVERNING AUTOMATIC SIGNALS IN DOUBLE TRACK DISTRICT, BETWEEN KALAMA AND VANCOUVER.

1 Indications, automatic signals:

Semaphore arm in horizontal position or red light by night, STOP.

Semaphore arm 45 degrees upward, or yellow light by night, CAUTION.

Semaphore arm 90 degrees upward, or green light by night, CLEAR.

2 Governing arm is that seen to the right of the signal mast by approaching train.

3 Trains finding semaphore arm in stop position will, after coming to full stop, proceed with caution, expecting to find train in block, open switch, broken rail, or car foul of the main track.

4 Trains finding semaphore arm at caution will proceed under control, prepared to stop at next signal.

5 Signal light not burning, or white light by night, will be considered a "Stop" signal, and position of signal must be ascer-

tained, and report of circumstances made at next telegraph office. Indicators of miniature semaphore pattern with push buttons underneath are located at all switches and cross-overs except at Hermione and Knapps, and the house track switch at Ridgefield.

Normal position of indicators is "Stop."

To ascertain whether block is occupied or not, before throwing switch, push the button underneath the indicator. If block is clear when button is pushed, indicator will show clear position and remain in that position as long as pressure is maintained, on the button, and switch should immediately be thrown in order to place signals at stop position. If indicator does not clear when button is pushed, there is a train in the block or approaching, and switch must not be thrown. If indicator cannot be cleared after waiting five (5) minutes and a train does not appear, switches may be used provided movement is fully protected by flag. Indicators at main track cross-overs show condition of opposite track and not the track on which they are located.

Indicators on side track cross-overs are located on siding end of cross-overs, and indicate condition of main track to which crossover leads.

Indicators at single switches indicate the condition of track to which switch leads.

Switch instruments are connected to main line switches and both end of cross-over switches within automatic signal limit. The opening of any switch will set and hold signal of that block at "Stop" until switch is again closed. The opening of any switch at either end of main track cross-over will hold signals on both tracks at "Stop." If either end of a siding cross-over is opened, it will set and hold the signal at "stop" that controls block on main track to which it leads. Neither switch or cross-over must, therefore, be opened until movement of train is to be made and must be closed immediately after movement has been made and switches locked. When it is necessary to stop at any signal, stop must be made thirty feet before reaching signal in order not to foul track circuits. Cars and engine on side tracks must stand back of insulated joints in order that signals will not be held at "stop." Whenever a train is mentioned in these rules, the term "train" applies to either a road or switch engine, with or without cars. The practice of dumping cinders from engines within Automatic Block Limits, is prohibited, as it interferes with operation of signals.

Signal 105.8, on east bound track, located 3,000 feet west of Kalama depot, operates in three positions, going to "stop" position when head end of train passes signal, will go to "caution" when the rear of train passes 3,200 feet beyond signal, and will go to "clear" when rear of train has passed a point 200 feet west of east switch of the passing track at Kalama.

Signals governing east bound trains are numbered and located as follows: FAST-BOUND FROM VANCOUVER.

SI-DOUND FROM VANCOUVER;
133.8-1500 feet east of Mile Post No. 134
133.2-4500 feet east of Mile Post No. 134
132.8—2300 feet east of Mile Post No. 133
131.0-4800 feet east of Mile Post No. 132
128.8— 600 feet east of Mile Post No. 129
127.2—3700 feet east of Mile Post No. 128
125.6—2700 feet east of Mile Post No. 126
123.8— 400 feet east of Mile Post No. 124
122.2—4200 feet east of Mile Post No. 123
120.6—2800 feet east of Mile Post No. 121

Signals governing west bound trains, are numbered and located as follows: WEST-BOUND FROM KALAMA.

ESI-BOOND	LKOM P	ALAWA		
105.7 —3400	feet west	of Mile F	Post No.	105
107.1 — 500	feet west	of Mile F	Post No.	107
108.5 —3000				
110.3 — 800				
111.9 —3600	feet west	of Mile F	Post No.	111
113.7 —3400				
114.7 —3600				
115.9 4400				
117.9 4800				
110 1 500	foot most	of Mile I	Doot No.	110

119.1— 500 feet west of Mile Post No. 119

Signal No. 133.3, located 5,150 feet east of passenger station, Vancouver, has two positions, viz.: "Danger" and "Caution" and governs use of track to the S. P. & S. connection, just west of passenger station, Vancouver. East bound track between Vancouver passenger station and signal No. 133.8, 1,850 feet east of station, will be operated under Yard Limit rules.

A train having work to do which may detain it more than ten minutes, must obtain permission from Operator at the last station, before entering the block in which work is to be done.

Operator must obtain authority to give this permission, from the Dispatcher. Except as affected by these rules, all block signal and train rules, remain in force.

RULES GOVERNING INTERLOCKING PLANTS LEWIS RIVER DRAW SPAN BETWEEN WOODLAND AND RIDGEFIELD.

Automatic signal No. 115.9 west of Woodland is distant signal on west bound track; signal 117.8, east of Ridgefield, is distant signal on east bound track. Home signals located 1010 feet from draw span.

Dwarf signals, 660 feet from draw span, between tracks.

Home signals govern as follows:

Upper arm governs trains moving in the direction of traffic, or using the right hand track Arm horizontal, stop.

45 degrees upward, caution.

90 degrees upward or vertical, proceed.

Lower arm governs trains moving with traffic to the double track switch and which are to be diverted to the left hand track after crossing bridge, or, slow speed movements with traffic, when for any reason the proper indication cannot be given with the upper arm, in which case position of lower arm will govern. Lower arm has two positions only: Horizontal, stop; 45 degrees upward, caution. Trains will not run against traffic even though proper signal to do so is received, without regular train order authority. Under these instructions vertical indication will not be given with both arms of the semaphore at the same time, but engineers

will be governed by the position of the arm which accords with movement they have been authorized to make, whether with or against traffic

Dwarf Signals, arm horizontal, stop; 45 degrees upward, proceed with caution. These dwarf signals have only two positions and govern back up movements with or against traffic and govern trains moving against traffic to the double track switch.

Night indications of signals, when displayed on arms governing: Red, stop; yellow, caution; green, proceed; white light, stop (to govern in case of broken lens. A light failure, either a white light or a light extinguished, will be considered stop and reported from first office).

Derails are located 55 feet beyond signals and are open when signals are at danger. Trains must come to a full stop at least thirty feet in advance of signal and wait until either "proceed" or "caution" signal is displayed.

If, for any reason signals become inoperative, trains will proceed after proper hand signals are given and it is known that derails are closed and bridge is clear. Hand signals shall consist of a green flag by day, and a green light by night, and are not to be recognized unless given from track.

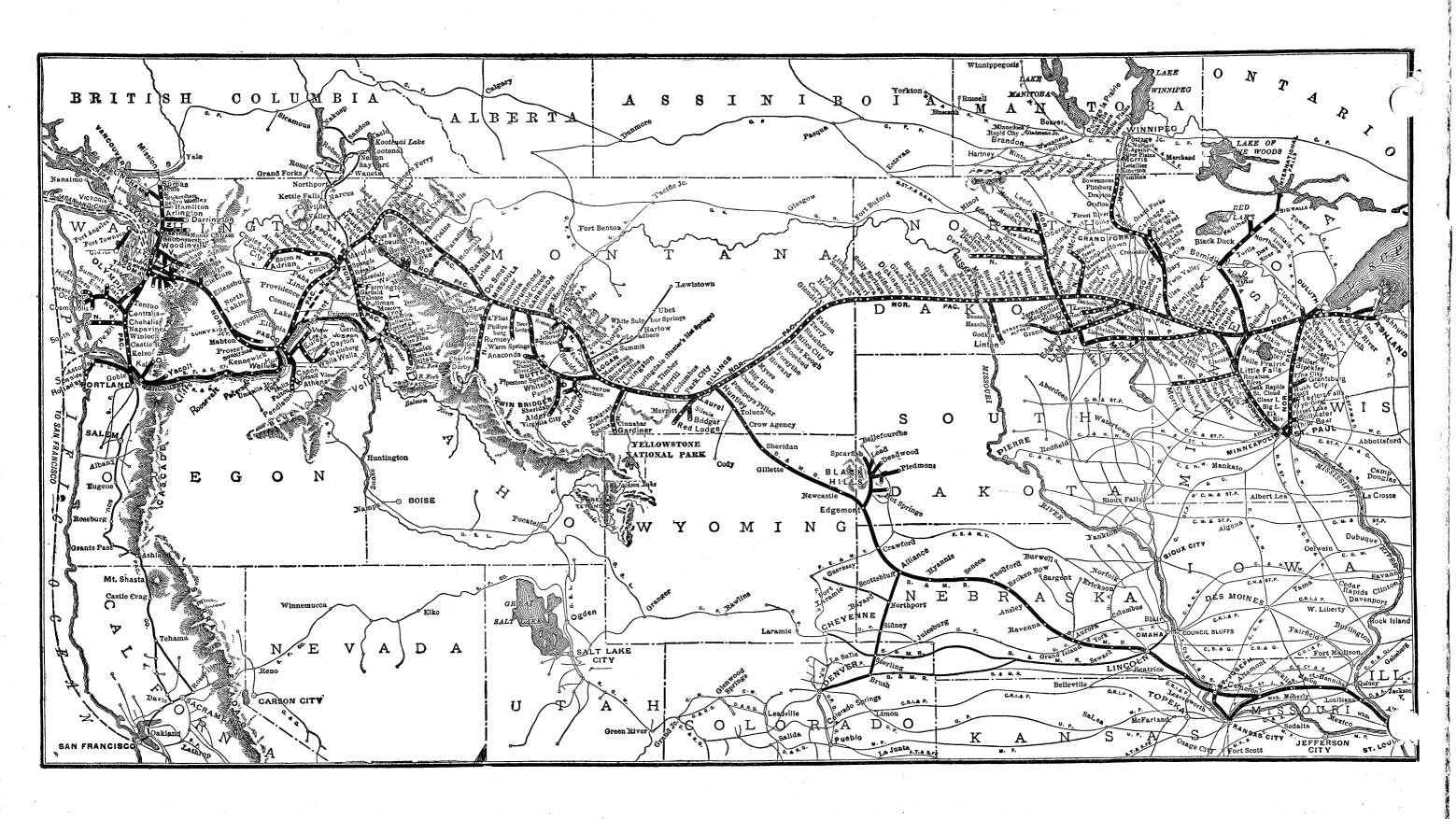
Except as noted, the automatic signals between Vancouver and Kalama govern in the direction of traffic only.

SPECIAL RULES REGARDING USE OF STAFF ON BRANCH LINES.

Du Pont Spur, Elma Branch, Cosmopolis Branch, Hoquiam River Spur, Centralia Eastern, Smelter line at Tacoma, Orting Branch, Crocker Branch and Green River Branch are operated under staff system. Before using these tracks, trains will obtain staff which is located in staff box at each junction. All other trains using these tracks must be operated under protection of flag. For completion of Dispatcher's record of service, operator at main line junction point will telegraph copy of register showing departure and arrival and mileage made on branch. If there is no operator at junction point, conductor will telegraph this information from next open telegraph

119.8-4700	feet	east	of	Mile	Post	No.	120
117.8 — 400	feet	east	of	Mile	Post	No.	118
115.8 — 900	feet	east	of	Mile	Post	No.	116
114.6 —1600	feet	east	of	Mile	Post	No.	115
113.6 —1800	feet	east	of	Mile	Post	No.	114
112.4 —3200	feet	east	of	Mile	Post	No.	113
110.2—2700	feet	east	of	Mile	Post	No.	111
108.6 —2280	feet	east	of	Mile	Post	No.	109
107.0 —4700							
105.8 —2200	feet	east	of	Mile	Post	No.	106

120.7 —3200 feet west of Mile Post No. 120
122.3 —2000 feet west of Mile Post No. 122
123.9 —4800 feet west of Mile Post No. 123
125.5 —2600 feet west of Mile Post No. 125
127.3 —1600 feet west of Mile Post No. 127
129.1 — 400 feet west of Mile Post No. 129
130.7 —3800 feet west of Mile Post No. 130
132.5 —1800 feet west of Mile Post No. 132
133.3 — 900 feet west of Mile Post No. 133.



.