NORTHERN PACIFIC RAILWAY COMPANY.

TACOMA DIVISION

1940 TABLE

In Effect at 12:01 A. M. Pacific or 120th Meridian Time.

(One hour slower than Mountain or 105th Meridian Time.)

SUNDAY, August 27th, 1911.

For the Government of Employes only. The Company reserves the right to vary therefrom at pleasure. Be positive that you have the Current Time Table and destroy all previous numbers. Read carefully the Special Rules and always have for reference a copy of TRANSPORTATION RULES.

H. C. NUTT, General Manager. I. B. RICHARDS,
General Superintendent.

P. H. McCAULEY,
Superintendent of Transportation.

W. C. ALBEE,
Superintendent.

T. E. COYLE,
Assistant Superintendent.

C. E. McMULLIN,

Superintendent Tacoma Terminals.

J. C. ROTH,

Assistant Superintendent of Transportation.

***	est Bou	miiWI			· ·								LINE.	-									<u>:</u>		<u> </u>	-
	THIRD	CLASS T	RAINS.		SECOND	CLASS		ers	Time Table 34C	_				-			FIRST	CLASS 7	TRAINS.							.=
95	973			965	691	679	al,	qun	Succeeding No. 34B August 27, 1911.	35	5 363	301	389	361	321	307	357	391	311	369	333	365	359	313	323	39
	EX. SUN.				DAILY	DAILY	S. T.S.	Z	STATIONS.	g DAII	0W. F	. Nor. Pac	Nor. Pac.	DAILY O.=W. R.	DAILY Nor. Pac.	DAILY Nor. Pac.		DAILY Nor. Pac.	DAILY OW. R.	DAILY OW. R.	DAILY Nor. Pac.	DAILY Nor. Pac.		DAILY Nor. Pac.	DAILY Nor. Pac.	_
. Nor. Way	Nor. Pac. Way Freight	Nor. Pac. Way	Gt. Nor. Way	Nor. Pac. Way Freight	0W. R. & N.	Nor. Pac. Freight	Vate cale nd V	tatio	Telegraph Offices and	Gt. N	or. & N. Portian Expres	d Express	Yacolt Passenger	& N. Portland Passenger		Portland Passenger	Gt. Nor.	South Bend Passenger	& N. Shasta	& N. Ore-Wash	Evergreen State	Grays Harbor Passenger	•	Portland Special	Grays Harbor Express	
reight	Freight	7.00AM		5.10AM	Freight	9.00PM	WCS	-	TACOMA WHARF		Express	-	-	rassenger	Zimiceu			- assenger	Limited	Lapiess	Limited	Passenger			Laptess	- Lim
			6.00AM		9.309			1977	QTAÇOMAN 1	.4 12.0	12.45	AM 1.40A	M	8.55AM	9.004	9.45	11.30AM		12.5QPM	1.15PM	1.40PM	1.5 OPM	5.05PM	5.80PM	5.35PM	<u> </u>
		7.45	6.30	5.50 364-302	10.15 334-356	9.45	ws	1981	SU.SOUTH TACOMA.N 3.7	* 12.	* 1.00	* 1.55	<u> </u>	* 9.09	* 9.15	10.00	* 11.45		* 1.05	* 1.29	f 1,55	2.05	* 5.19	* 5.44	5.58	-
		8.00	6.45	-360 6.10AM		10.00			VALAKEVIEWN				_	f 9.14	* 9.20A	* 10.07	f 11 55AM		* 1.10	f 1.35	* 2.01	2 15PM	* 5.25	* 5.50	6.01PM	M
		8.15	7.00	See page 3		10.00	 		HIHILLHURSTN	1						f 10.16	366			362 f 1.42		358	* 5.32		See page 3	
		8.85	7.25	- Dec page o	11.15	10.33	-w		6.1 T RYROYN 20				-	9.33		10.29	308		* 1.17 * 1.25	1.50	* 2.09 358 2.19	- Page 0	* 5.42		- Fags 6	-
									5.5			000	_	964												_
		8.55 964	7.45		11.80	10.44		2002	YAYELMN 5.4 T	6.1 f 12.	680 f 1.40	f 2.31		9.48		10.89	12.30		* 1.33 998–358	f 2.08	2. 30 314-998		* 5.50	* 6 .12		
~		9.25	8.10 964		11.46	11.05	1-	2007	RARAINIERN 31	.5 f 1.6	f 1.50	f 2.41		9.54		10.50	f 12.45		* 1.42	f 2.20	f 2.46		* 5.58	* 6.20		-
		9.54 11.25AM 361 307 308			11.59PM	11.19	w		JSMcINTOSHD 35					f 10.02		f 10.58	f 12.55		* 1.48		* 2.54			* 6 .27	,	
					12.10AM	11.31	 —	2015	NOTENINON 40).4 f 1.	f 2.05	f 2.55	_	10.09		11.09	1.03		* 1.56	2.38	8.08	-	6.09	* 6.35		-
		12.05PM 998 362 358 12.30			680	11.41PM		1 1	3.3 BBUCODAN 5.2 T	69	2		-	f 10.14			358 f 1.10		* 2.01	f 2.45	8.10	-	* 6.14			-
							-		5.2 T		*	*		*		*	*		*	*	*		*	*		-
1.00PM	5.80AM	1.00PM	9.30		12.45 1.05	12.05AN	wc	2027	CNCENTRALIAN 50).7 1.	2.80	3.15		10.29		11.85	1.25	12.05PM	2.15	8.00	8.25		6.27	7.00		7
1.20 1.55 ₃₅₇	6.00				1.25				CHCHEHALISN 54			8.25		10.40		11.50AN	1.35	12.25	2.25	8.10	8.85	-	6.87	7.15	CAMPA TANAMAN AND AND AND AND AND AND AND AND AND A	7
1.55001							Y	2032	CHEHALIS JCTT	5.8 *	*	*	-	*		*	*	* 12.80PM	*	*	*		* 6.40	*		* 7
2.20	7.00				2.00	1.25	1	2038	NANAPAVINEN	2.3 f 2.5	3.00 10 3.00	3.45 691		11.00		12.10PM	f 1.55	See page 5	* 2.45	8.25	.3.55		6.55	1		See p
2.40	8.00				363 355 301 4.25	1.50		2044	WIWINLOCKN	3.5 2.			_	11.13		12.25	2.08		* 2.55 995	3.36	4.07		f 7.06	7.45		-
2.40 3.10 311							1	1		- 1		-	_										-			_
93.30 93.51	8.80				4.50	2.15 364-302	- W		PNSOPENAHN 78					11.26		358	f 2.20		* 8.05	3.46 995	4.20 370		f 7.17		****	_
4.00 5.10 70-312-333	9.00 9.23 308				5.00	2.35 2.40 360		2053	OQOLEQUAN 77	7.4 If 3.)O * 8.87	* 4.20		f 11.38		314	f 2.26		* 8.10	f 8.51	* 4.25		* 7.25	* 8.08	,	
34 5 35	9.45AM 12.32PM 3	362-358 14-361-974			5.25	2.58	w	2060	CACASTLE ROCKN 85	5.1 8.	8.58	4.85		11.48AM 973-974-358		1.07	2.40		* 8.21	4 03 370	4.37		7.87	8.17		
5 .55	12.55				5.50	8.12		2065	UMTILLICUMN 90).8 * 3 .	* 4.10	* 4.47	-	* 12.01PM		* 1.20	* 2.50		* 3.30	* 4 .1 5 312-334	* 4.47	-	* 7.50	* 8.27		-
356 6.00	12.57				5.55	8.14	 		0.8 T OSTRANDER 9:			1	-	314 f 12.03		- I	370 f 2.52		* 8.32	312-334 f 4.17	* 4.49		* 7.52	000		-
6.15	1.15 307 2 .00			-	6.15	8.22	1	2071	3.7 KSKELSON 98	5.3 3 .	4.2	4.58	_	12.15		1.31	8.00		* 3.88	4.26	4.58	-	f 8.00	8.34		İ
6.80	2.15				6.85	8.85	1—	2077	CXCARROLLSN 10	1.0 f 4 .	* 4.8	* 5.10	_	f 12.80			f 8.12		* 3.45	f 4.86	* 5.08	-	* 8.10	* 8.42		-
7.00	2.50				6.55	3.50	w	2081	KAKALAMAN	5.5 4.	4.50	5.20		12.42		1.55	8.22	-	* 8.55	4.50	5.20	-	8.20	8.52		-
7.15	8.05				7.08	4.08	1	Cx 4	MARTIN'S BLUFF	9.8 * 4 .	* 5.0	* 5.31		f 12.52		f 2.04	* 8.80		* 4.03	f 5.00	* 5.29	-	* 8.28	* 9.00		
7.80	8.20	,			7.25	4.15			WDWOODLANDN		5.1	5.44		1.02		2.14	f 8.40		* 4.13	5.15	5.41	-	* 8.38	* 9.08		1
7.45	8.85				7.45	4.81	W	Cx 15	RGRIDGEFIELDN 120	0.6 4 .	19 5.20	5.56		1.16		2.26	f 3.52		* 4.25	f 5.80	5.55		* 8.50			
8.05	8.50				8.02	4.46			KNAPPS 120	.		i		f 1.30		_	f 4.08		* 4.86	f 5.45	* 6.07		* 9.08	* 9.29		
8.12	4.00				8.10	4.52	1		FELIDAT 128		1		See page 4	f 1.35		_	f 4.08		* 4.40	f 5.50	* 6.18		* 9.08			_
8.20	4.05				8.18	5.00			VANCOUVER JCTT 13:				_	* 1.42		* 2.50			* 4.45		* 6.20		* 9.13			_
8.30Pi	4.20PM 357		- Distriction and the same of	No. of Concession, Name of	8.80	5.15 5.45358	CY		MX .VANCOUVER N 134	67	25AM 6.00		_			8.00	4.25PM		4.54	6.05	6.80		9.20PM	9.45		
		:			8.44AM	6.00			No. Portland JunctionN 130	1	* 6.10		_	* 2.00PM		3.08 f 3.11			* 5.00PM	* 6.15PM	f 6.41			* 9.51 * 9.53		
						6.15		9117	ST. JOHNSN 13'	7.3		f 6.41 * 6.46		_		* 8.16					* 6.46	-		* 9.59		-
						6.16	<u> </u>	2117	BA 0.5 N BEATTY 140	7.9		* 6.47		-		* 3.17					* 6.47	-		* 10.00		-
					 	6.26	-		CCITY LIMITSN 143			* 6.58	_	-		* 3.28	-		·		* 6.53	-		* 10.05		-
		FACE OF THE PERSON NAMED IN COLUMN 1					wc		VCPORTLANDN 144			7.00	_	-		3.30PM					7.00PM			10.15PM		-
DAILY	EX. SUN.	EX CIIN	DAILA	EX. SUN.	DAILY	DAILY	ST			DAI	LY DAIL		_	DAILY	DAILY		DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY		DAI
7.30	10.50	6.00	3.30	1.00	11.14	9.45	·		Time Over District		24 5.24		.13	5.05 ·	.20	5.45	4.55	.25	4.10	5.00	5.20	.25	4.15	4.45	.26	DAI
11.1	7.6	8.4	14.0	9.6	11.9	14.8	1		Average Speed per Hour	24.			14.3	26.6	24.6	24.8	27.3	12.2	32.6	27.0	26.8	19.6	31.4	30.1	18.9	12

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A	000	200	224	204	212	270		CLASS		262	300	200	202	200	202	204	m _o	Time Table 34C Succeeding No. 34B	ıcks	SECOND			964	1	998	1
356	322	390 DAILY	DAILY	394	312 DAILY	370	324 DAILY	314 DAILY	358 DAILY	362	308 DAILY	366	392	360 DAILY	302 DAILY	364 DAILY	ce fr	August 27, 1911.	ty of g Tra	680 DAILY	692	690	EX. MON.		DAILY	-1
Gt. Nor.	Nor. Pac. Grays	Vacolt	Nor. Pac. Evergreen	Nor. Pac. South	0W. R. & N.	0.=W. R. & N.	Nor. Pac. Grays	Nor. Pac. Seattle	Gt. Nor.	0.=W. R. & N.	Nor. Pac. Seattle		Nor. Pac. South	Gt. Nor.	Nor. Pac. Seattle	0.=W. R. & N.	Distan	STATIONS. Telegraph Offices and	paci	Nor. Pac. Freight	O.=W. R. & N. Freight	Gt. Nor.	Nor. Pac. Way	Wav	Gt. Nor. Way	No
	Harbor Limited	Passenger	State Limited	Bend Limited	Shasta Limited	Ore-Wash Express	Harbor Express	Special		Seattle Passenger	Passenger	Harbor Passenger	Bend Passenger		Express	Seattle Express		Calls	Cal		Freight	Freight	Freight		Freight	- F
10 000	8.15PM		8.50PM		7 4 A DN	7 1 ODM	4.25PM	3.10PM	2.40PM	2 00pm	19 400	19 900		6 0544	5.00AM	4 454	144.4	TACOMA WHARF		8.80AM	4.00AM		12.15PM	3.55PM	4.10PM	
10.00PM	* 8.01				7.40PM 7.35 * 7.20				* 2.25	1.55 * 1.40	12.40PM	12.10		6.05AM 6.00 * 5.45 965	* 4.45	4.45AM 4.40 * 4.25 965	138.5	4.5 SU.SOUTH TACOMA.N	70	8.00	3.40		11.45AM	8.80	8.45	-
9.45 691–679			* 8.35 679-691							333							194.0	3.7		0.50	9.05		357		2 25	_
	* 7.55PM		* 8.26 * 8.17		* 7.13 * 7.03		3.55PM See page 3	* 2.50 * 2.44	* 2.17 * 2.09	369	f 12.16	12.01PM 357		f 5.85 5.25		* 4.16 f 4.09	134.8	VALAKEVIEWN 5.0 HIHILLHURSTN	60 	2.50	8.25		11.25	3.20PM See page 3	3.35 324 3.20	-
9.20	See page 3		8.07		* 6.53	6.22		* 2.37	* 2.09 f 1.50	311	357 11.54AM		-	f 5.08	4.15	3.57	123.8	6.0 T RYROYN	110		2.50	-			8.00	-
			-						369									5.5		3012.05			10.29 9.28 361 307		2110 40	<u> </u> _
9.10			7.57		* 6.44	f 6.12		* 2.30 998-333	* 1.33 311–998	12.58	11.48			f 4.53	4.05	f 8.47	118.3	YAYELMN 5.4 T	70	1.40 1.35	2.31 2.26 301		8.55 963		3112.40 3691.23 333 358 314	L
9.01			f 7.49		* 6.34	f 5.58		* 2.20 369	* 1.23	12.45 357	11.81			f 4.37	f 8.55	f 3.35	112.9	RARAINIERN		1 · 05 355 1 · 00	2.10		8.10 997		1.10	
8.58			* 7.41		* 6 . 27	i 5.48		* 2.12	* 1.15	f 12.37	f 11.21 963			f 4.26	* 8.47	* 8.27	108.6	JSMcINTOSHD 4.6 T	70	12.40	1.58 1.53	-	7.45		362 12.55 357 12.30	
8.43	-		7.88		* 6 .16	5.38		2.04	f 1.08 357-963	12.30 963	11.11 307			f 4.18	8.88	3.17	104.0	NOTENINON	140	12.25 691	1.23 355		7.15		12.05PM	1
8.37			7.26		* 6.11	5.82			* 1.02	12.25	11.00		-	f 4.04	* 3.80	* 3.11	100.7	BBUCODAN 5.2 T	65	12.01AM	12.53		6.80		11.40AM	1
			*		*	*		*	*	*	*			*	*	*	95.5	WABASH		-						
8.25		A THE REAL PROPERTY.	7.15	6.55PM		5.20	Service Control	1.45	12.50	12.18	10.45 10.30	77.77	10.05AM		3.15	8.00	93.7	CNCENTRALIAN					6.00AM		11.10AM	
8.15			7.00	6.45	5.52	5.08		1.33	12.89	12.03PM	10.15		9.50	3.35	8.00	2.45	89.6	CHENALISN	110	11.50	12.05AM 11.55PM	2.00				
8.00			6.45	* 6.40PM 359 See page 5		4.48		1 10	* 12.27	* 11.48AM	9.55		* 9.40AM See page 5		2.45	2.25	88.6	CHEHALIS JCTT 6.5 NANAPAVINEN	140	10.27	11.85	1.25			-	-
8.00		•	0.40	See page 5	. 5.55	4.40		1.18	* 12.27	11.40AH	9.55		See page 5	0.10	2.40	2.20	02.1	6.2	140	10.27	11.00	1.20				
7.45			6.25		* 5.27	4.32		1.06	12.15	11.35	9.48			8.02	2.25	2.05	75.9	WIWINLOCKN	70	10.07	11.08	1.00				
7.30 313			6.09		* 5.15	4.20		12.53	* 12.05PM	11.21	9.29			f 2.47	* 2.05	* 1.47 679	69.4	PNSOPENAHN	60	9.47	10.48	12.42				-
7.25 359	- •."		* 6.02	·	* 5.10 995				* 11.59AM		f 9.23			f 2.40		* 1.40	67.0	OQOLEQUAN	40	9.40	10.38	12.35				-
7.10			5.45		995 * 4 .58	995 4.03		307	11.48 974-973-361		973			2.25	1.40	1.25	59.3	CA .CASTLE ROCK N		9.20	10.18	12.15		-		1
6.57			995		* 4 47		-		974-973-361 *11 .36		* 9 54			* 2.08	* 1.25	* 1 10	53.6	UMTILLICUMN		8.57	10.00	12.01AM			314-358	3-30
6.55			* 5.32 333-369 * 5.30		333-369 * 4.45	* 3.47 311-357 f 3.45		361	* 11.35				-		* 1.22		52.8	0.8 T		8.55		11.58PM		· .		1
6.50			5.22		* 4.40	3.38			f 11.30		8.45			2.00	1.18		49.1	3.7 KSKELSON	70			11.50				362
6.37			* 5.10		* 4.80	f 3.25			* 11.21	974	f 8.33			f 1.48	* 12.55	* 12.40	43.4	CXCARROLLSN		8.80	9.40	11.80	-			<u> </u>
6.80			5.00		* 4.23	3.15		11.50	11.14	10.05	8.25			1.40	12.45	12.30	38.9	KAKALAMAN	140	8.20	9.80	11.15				-
6.20			* 4.50		* 4.15	f 8.06		* 11.40	* 11.04	f 9.55	f 8.16			* 1.29	* 12.80	* 12.17	34.6	MARTINS B'FF		8.10	9.28	11.00				
6.11			4.40		* 4.08	2.59		11.80	10.57	9.45	8.08		· .	f 1.19	12.19	12.10AM	29.8	WDWOODLANDN		7.58	9.15	10.50				
6.00			4.27		* 8.58				10.47	9.85	7.58			1.07		11.59PM		RGRIDGEFIELDN	140		9.00					_
5.50			* 4.16		* 8.49			* 11.08			f 7.48				f 11.58PM		18.2	KNAPPS		7.34	8.52					-
5.48		See Page 4	* 4.12		* 3.45 * 3.42	ļ		* 11.04 * 11.00	* 10.34 * 10.30	f 9.20 * 9.15	7.44		<u> </u>		f 11.54 * 11.50		15.9	FELIDAT 2.8 VANCOUVER JCTT	<u>.</u>	7.80	8.46	10.16				-
5.35PM		4.40PM			8.86				10.25AM						11.45		10.0	3.1 MXVANCOUVERN	1000		8.80					-
			* 3.47			* 2.18PM		*10.47		* 9.00AM	7.35 974 7.27					* 11.30PM		2.3 North Portland Junc. N		7.05 6.55	8.15PM					
			f 3.45		<u> </u>			* 10.45			* 7.25				f 11.31		7.1	0.6 ST. JOHNS		6.50			Complete the second second			-
			* 3.40					* 10.40			* 7.20				* 11.26		4.5	BAWILLBRIDGEN		6.85						-
			* 8.89					* 10.89		ļ	* 7.19				* 11.25		4.0	BEATTY	30	6.34						
			* 8.85					* 10.85			* 7.15				* 11.20		1.1	CCITY LIMITSN		6.25						
			8.30PM					10.30AM			7.10AM				11.15PM		0.0	VCPORTLANDN	1000	6.15PM		,				
DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	DAILY	-	DAILY	DAILY	DAILY				DAILY	DAILY			EX. SUN.		E
30.1	24.6	18.6	26.8	20.4	4.10 32.4	28.5		30.6	4.20 30.7	27.0	26.0	.29 16.9	.25	5.20 25.0	5.45 24.7	26.2		Time Over District Average Speed per Hour		9.15	7.45 17.3	19.7	6.15 8.1	16.4	10.1	-
			-0.5	-0.1	J=. =		-4.1	50.5	30.1	J 0	20.0	10.8	12.2	20.0	·	-0.2	l	Trouge opeon per mont	i '	l	1					

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THIRD	CLASS TRAIN		SEC	OND CL	ASS.	FIRST 323	CLASS T	RAINS.	al,	ımpe	rom	Time Table No. 34C Succeeding No. 34B. August 27, 1911. STATIONS. Telegraph Offices and Calls	rom	FIRST	CLASS 1	RAINS.	SEC	ESC	ASS.	000	THIRD	CLASS TRAINS.
		7 965			585	323	365	321		N U	nce f iew	August 27, 1911.	nce f ps ps city c	366	324	322	588	586	694	366	968	
, -		Prt. Way Frt		Mixed EX. SUN.	Mixed	Passenger	Passenger	Passenger	/ater cales nd v	tatic	istar akev	STATIONS.	ista focli apac	Passenge	Passenger	Passenger	Mixed EX SUN	Mixed FX SIIN	Freight FX SIIN	Way Frt.	Way Frt.	
	- LX.	6.10		EX. SUN.	EX. 30N.	6.01PM	2.15PM	* 9.20A	M ≥ ⊗ €	1985	0.0	VALAKEVIEW	115.6 100	12.01P	M 3.55PM	* 7.55PM	LX. SCIV.	ZX. SCIV.	EX. SCIII	8.20PM	2711 1110111	
			-			f 6.05	f 2.20	* 9 28	 	1 1	i				M f 8.47	* 7.50	<u> </u>					
		6.20	<u> </u>	-					1	2		COUNTRY CLUB	Sdg.	* 11 50	* 9 46	* 77 40	 					· · · · · · · · · · · · · · · · · · ·
							* 2.21		_	ł I		AMERICAN LAKE	-l				ļ			8.10		
		6.25				f 6.09	f 2.25	* 9.27		1 0 1		COSGROVE	1	1			<u></u>			8.00		
		7.00	`			6.16	2.35 966	* 9.82				DDU PONT					l			9 2.35 2.00	İ	
		7.20				6.28	2.47	* 9.42	w	C K	12.5	SHERLOCK 1	103.1 25	11.81	8.22	* 7.26				1.26		
		7.45		<u> </u>		6.48	8.00	* 9.58	1-	CK	17.9	UNION MILL	97.7 Spur	11.19	8.09	* 7.15				12.46		
		7.55				6.46	3.05 324	9.55												12.26	<u> </u>	
		8.15	M)			7.00	324					5.0 OYOLYMPIA								12.01PM	·	
		366				7.00 7.10 322			" 1		.			10.55 965	2.50 2.45	7.00 6.50 323				366		
											25.2	PT. TOWNSEND SOUTHERN C'O. 4.7 (Track Connection)	90.4									
			1			f 7.22	f 8.88	* 10.20				(Track Connection)BELMORE		f 10.44	f 2.34	* 6.40						· ·
	-		1	This train	This train	7.38			-	""	- 1		1 1	3	1						-	
		-	ļ	This train has right over No. 588 Ho- quiam to Moclips	has right over No.			300			1	RKLITTLE ROCKD	1 1	7	ı							
				588 Ho- quiam to Moclips	No. 586 Aberdeen		* 8.49			ł I	- 1.	BORDEAUX JUNCTION										
	See pa	ge 4	See page 4		Junction to Aberdeen	f 7.47	f 8.58	* 10.40		C K 40	39.6	MIMA	76.0 13	f 10.20	f 2.14	* 6.23			See page 4		See page 4	
	12.	5PM	2.20A		Aberdeen	8.00 8.10	4.10 4.15	10.55 11.10	WY	C K	43.7	HKGATE	71.9 50	10.10 10.00	2.05 2.00	6.15 6.10			10.10PM		1.30PM	
	12.: 1.4 324-	<u> </u>	2.35			8.21	4.26	11.18				OXDAKVILLED				6.08			9.52		1.15 1.00	
	324-	—— ————	2.55			* 0.00		* 11 00								* 5 50			9.24		12.20	
							* 4.42			}	1.	LYTLE	l									
	2.	16	3.00			8.89			W	C M 13	56.6	ORPORTERD	59.0 20	9.80	1.25	f 5.50			9.21		12.15PM	
	8.	.0	8.80			8.55 694	5.02	11. 45 968		C M 19	63.1	EF	52.5 120	9.15	1.09	5.41			8.55 8.50		[11: 45 씨	
	8.	30	3.35			f 9.00	f 5.07	*11.48			65.6	MACKS	50.0	f 9.10	f 1.01	* 5.87			8.88		11.00	ı
	8.0	0	8.45			9.05	5.11	11.534		C _M	66.8	SPD	48.8 37	9.07	12.58	f 5.85			8.85		10.50	
	4.:	5	4.15		See page 4	9.20	5.25 322	12.05PM	w	C M	72.4	MOMONTESANOD	43.2 70	8.55	12.45	5 .25		See page 4	8.20		10.80	
,	2 5.0 5.5	9	4.80		7.45AN	* 9.43	* 5.45	12.25	CY	29 C M	81.0	8.6 ABERDEEN JCT T 3.1	34.6 42	* 8.35	* 12.25	* 5 .07		1.15PM	7.55		9.40	
,	5.8		5.15		7.55AM 366-968	10.00	6.00	12.40 586				5.1 5A			12.15	5.00 967	:	1.00PM 321	7.80	-	9.00	
	5.1	5PM	5.80AM	9.00AM		10.20PM	⊈ 6 ·50	12.55PM	WC	C M	87.6	HODOULAMD	28.0 150	8.10AM 968-587	12.01PM		1.45PM		7.00PM		8.20AM	
•			,	9.10	-		© 6.30 f 6.40					3.3 GRAYS HARBOR CITY 4.7					1.25		909		300	
				9.20			f 6.55			C M 52	95.6	GRAY GABLES	20.0 No Sdg.	f 7.34			1.05					
				9.25			f 7.01	-		C M	1	CHENOIS CREEK	Sag.	f 7.26			12.58					:
				9.40			f 7.09			C M 56	100.2	TULIPST	15.4 40	f 7.20			12.48				·	
				9.55	· ·		f 7.20		1	61		COPALIS CROSSING	1 . 1 -	1			12.30					
4			2	10.10			f 7.80			62 C M	106.1	KUHN 0.4 McGLAUFLIN	9.1 Sdg.	f 6.59	-		12.24					
			 	10.20			f 7.84			CM 1	107.7	McGLAUFLIN	7.9 Sdg.	f 6.55			12.20					
				10.80			f 7.89			64	1	1.8 STEARNSVILLE	6.1 No	i 6.50		-	12.12				-	
			<u> </u>	10.41			f 7.45			C M 1	111.4	1.9 ALOHA 1.8	4.2 Sdg. Spur 12	i 6.42			12.04PM				-	
				10.48			7.50		W	C M 1	113.2	PACIFIC	2.4 Spur	6.86			11.58AM					
				10.55			f 7.55			C M 1	114.6	SUNSET BEACH	1.0 No Sdg.	f 6.88			11.50					
				11.00AM	1		8.00PM		Y	C M 72	115.6	MCMOCLIPSD	0.0 40	6.80A	-		11.45AM			0.20		
	- 5. 7.		3.10 13.8	2.00 14.0	18.6	20.2	5.45 20.1	3.35	 			Time Over District Average Speed per Hour		5.31 20.9	3.10	3.20 26.3	2.00 14.0	.15 12.4	3.10 13.8	7.3	5.10 8.5	

		West I	Bound.						GATE LINE.					East	Bound	i.	
THIRD CLASS.	SECOND CLASS.		FIRST	CLASS.		lles,	90		Time Table No. 34C	Gate]	FIRST	CLASS.		SECOND CLASS.	THIRD CLASS.
967	693	387	385	383	381	Coal, Scales, and Wyes	Numbers	from	Succeeding No. 34B August 27, 1911.	from C	of racks	382	384	386	388	694	968
Way Freight	Freight	Passenger	Passenger	Passenger	Passenger	es.		Distance f Centralia	STATIONS.	ince f	Capacity of Passing Tra	Passenger	Passenger	Passenger	Passenger	Freight	Way Freight
EXCEPT	DAILY EX. MON.	DAILY	DAILY	DAILY	DAILY	Wate Tabl	Station	Dista	Telegraph Offices and Calls	Dista	Caps Pass	DAILY	DAILY	DAILY	DAILY	DAILY EX. SUN.	EXCEPT MONDAY
9.15AM	1.00AM	7.25PM	3.30PM	10.40AM	9.00AM	W C Y S	2027	0.0	CNCENTRALIAN	13.0	170	11.10AM	3.00PM 385	6.55PM 387	8.55PW	11.30PM	2.30PM
								1.5	oW. R. & N. CO. CROSSING No Track Connection	11.5				-			
9.80	1.15	* 7.34	* 8.34	* 10.44 382	* 9.04			1.6	BLAKESLEE 4.2	11.4		* 10.44 383	* 2.51	* 6.43	* 8.50	11.15	2.20
9.55	1.30	7.45	3.45	10.51	f 9.20		C K 51	5.8	GRAND MOUND	7.2	90	10.82	2.41	6.85	8.40	11.05	2.05
10 · 16 11 · 10 383 382	1.55	7.55	3.55	11.00 967	f 9.33		C K 47	10.0	RHROCHESTERD	3.0	75	10.21 967	2.27	6.25	8.31	10.45	1.45
								10.5	oW. R. & N. CO. CROSSING No Track Connection 2.5	2.5							
11.45AM	2.20AM	8.05PM	4.10PM 386	11.10AM	9.45AM	WY	C K 44	13.0	HKD	0.0	50	10.10AM	2.15PM 383	6.15PM 385	8.20PM 387	10.80PM	1.30PM
EXCEPT SUNDAY	DAILY EX. MON.	DAILY	DAILY	DAILY	DAILY							DAILY	DAILY	DAILY	DAILY	DAILY EX. SUN.	EXCEPT MONDAY
2.30	1.20	.40	.40	.30	.45				Time Over District			1.00	.40	.40	.35	. 55	1.00
5.2	9.7	19.5	19.5	26.0	17.3				Average Speed per Hour			13.0	19.5	19.5	22.3	14.1	13.0

Special Rules Gray's Harbor and Gate Line.

Registering Stations—Lakeview, Olympia, Gate, Elma, Aberdeen, Junction, Hoquiam and Moclips.
Clearance will not be issued at Olympia, Elma and Aberdeen Jot., unless red signal is displayed.
Trains will register by ticket at Lakeview; will not be required to procure clearance unless red signal is displayed.
Trains from Grays Harbor Line must ascertain Main Line rights before occupying Main Line at Lakeview.
Engineers will not be required to consult register, except at initial or starting point.
Bulletin Stations—Olympia, Hoquiam and Moclips.
Standard Clocks—Tacoma.
Maximum grades, 314 miles west of Sherlock; 3 miles east to 2 miles west of Olympia.
Speed of trains when backing up must not exceed twenty miles per hour.
Junction switches will be set for line Olympia to Moclips.
No 365 and No. 366 will stop on flag at Burrows, 2.0 miles west of Chenois Creek; Wilderness, 1.8 miles west of Tulips, and at Bale,
No. 321 will stop on flag at Dupont to let off Passengers.
No. 321 will stop on flag at Dupont to let off Passengers.
No. 322 and No. 324 will stop on flag at Nisqually Gun Club, two miles east of Sherlock.
No. 322 will stop at Little Rock on Saturdays, only, to take on passengers, and will stop on flag at Union Mills Saturdays only.
No. 323 and No. 334 meets and No. 345 meets and No. 345 meets and No. 345 meets and No. 345 meets and No. 345 meets and No. 345 meets and No. 345 meet at Blakeslee, No. 382 will take siding.
No. 321 will wait at Gate for connection with No. 383.
Trains will approach Gate looking out for trains to and from Gate line turning on wye.
No. 381 has right over No. 386 and No. 386, Aberdeen Junction to Aberdeen.
No. 381 has right over No. 386. Abordeen Junction to Aberdeen.
No. 381 has right over No. 386, Lakeview to Olympia.
No. 381 will turn on wye on arrival at Gate.
Vard limits at Centralia and Gate.
No. 385 has right over No. 366, Lakeview to Olympia.
No. 381 will turn on wye on arrival at Gate.
Yard limits at Centralia cartends to a point 2200 feet west of the west switch of the new

No. 985 has right over No. 906, lakeview to Oyinpia.

No. 381 will turn on wye on arrival at Gate.

Yard limits at Centralia extends to a point 2200 feet west of the west switch of the new yard at Blakeslee on Gate Line. Capacity of this yard 300 cars.

Telegraphones are located in Section House at Sherlock, in Depot at Lacey, and in Section House at Belmore, and are connected with telegraph office at Olympia, and may be used by train crews in emergency.

Class S or St engines will centre of the state of the control of control o

SECOND	CLASS.	iles,	'n		Time Table No. 34C			SECOND	CLASS
583	581	Coal, Scales, and Wyes	Numbers	Distance from Aberdeen Jct., via Cosmopolis	Succeeding No. 34B August 27, 1911.	from ia Iis	pacity of ssing Tracks	582	584
Mixed	Mixed	r, Co		deen	STATIONS.	ance ita, v nopo	acity ing J	Mixed	Mixed
Wed., Sat.	EX. SUN.	Water, Tables	Station	Dista Aber via C	Telegraph Offices and Calls	Distance fro Ocosta, via Cosmopolis	Caps Pass	EX.SUN.	Wed., Sat
	* 1.15PM	Y	CM 37	0.0	ABERDEEN JCT	18.7	42	* 7.45AM	
	1.18			0.8	JUNCTION CITY	17.9		7.87	
	* 1.20		CR 1	1.4	COSMOPOLIS JCT	17.3	No Sdg.	* 7.85	
1.35PM	1.30PM	w	CG 2	3.0	MPD	15.7	90	7.80AM	3.35P
* 1.40			CR 1	4.6	COSMOPOLIS JCT	14.1	No Sdg.		8.82
f 1.48			CR 3	5.7	SOUTH ABERDEEN	13.0	90		8.29
f 1.58			CR 5	8.0	WEST ABERDEEN	10.7	No Sdg.		8.25
f 2.21			CR 11	14.7	SOUTH ARBOR	4.0	No Sdg.		2.56
f 2.28			CR 13	16.2		2.5	10		2.55
2.35PM		W _C	CR 16	18.7	OCOSTA	0.0	75		2.45
Wed., Sat.	EX. SUN.							EX. SUN.	Wed., Sat

OCOSTA BRANCH.

East Bound.

.50

15.7 12.0

. 15

1.00

West Bound.

Time Over District

Average Speed per Hour

Registering Stations—Aberdeen Junction, Cosmopolis and Ocosta.

Bulletin Station—Cosmopolis.

No. 583 has right over No. 584, Cosmopolis to Ocosta.

583 and 584 will stop on flag at Redmond Creek, located one mile east of Ocosta, for transferof 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.

West	Bound	d.		Y	ACOLT BRANCH.		E	ast Bo	und.
FIRST	CLASS.	l, Scales, Wyes	r.		Time Table No. 34C			FIRST	CLASS.
	389	al, Sca	Station Numbers	irom	Succeeding No 34B August 27, 1911.	Distance from Vancouver Jct.	Capacity of Passing Tracks	390	
-	Passenger	es and	N no	Distance from Yacolt	STATIONS.	ance	ing T	Passenger	
	DAILY	Water, Tables	Stati	Dista	Telegraph Offices and Calls	Dist	Cap: Pass	DAILY	
	7.50AM	WY	C Y 27	0.0	YCD	27.2	35	6.20PM	
	f 8.07		C Y 20	6.6	WALL	20.6	No Sdg.	f 6.00	
	8.13		C Y 19	8.0	HEISON	19.2	25	5.55	
	8.20		C Y 17	9.8	CRAWFORD	17.4	No Sdg.	5.48	-
	8.35	w	C 14	12.8	BABATTLE GROUNDD	14.4	20	5.88	
	8.50		C Y 10	17.0	BRUSH PRAIRIE	10.2	25	5.28	
	f 8.54		C _Y	18.6	LAURIN	8.6	50 Spur	f 5.22	
	f 8.57		C _Y	20.1	HOMAN	7.1	4 Spur	f 5.18	
	f 9.02		C _Y	21.1	BARBERTON	6.1	4 Spur	f 5.12	
	f 9.07		C _Y	24.1	HIDDEN	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	
	18.5			l	Average Speed per Hour			18.1	

Registering Stations—Yacolt and Vancouver Junction.
Engineers will not be required to consult register except at initial or starting point.
Builetin Stations—Vancouver and Yacolt.
Standard Clocks—Vancouver.
Derail switches located on Daly Spur and on Smith Spur must be kept in derailing position when not in use.
Trains from Yacolt Branch must ascertain main line rights before occupying main line at Vancouver Junction.
No. 389 and No. 399 will stop on flag at Lucia and Dole for passengers.
The east switch of the north leg of the wye at Yacolt will be kept set and locked for the north leg of the wye.
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.

SPECIAL RULES FOR MAIN LINE.

Maximum speed of passenger trains is one minute or 60 seconds per mile. This speed must not be exceeded.

Registering Stations—Tacoma, Tacoma Wharf, South Tacoma, Tenino, Centralia, Sopenah, Carrolis, Vancouver and Portland. Chehalis is registering station for South Bend, Planch Trains.

Passenger trains will regist to South Bend, Planch Trains.

Passenger trains will regist to South Bend, Planch Trains and Tillicum.

Passenger trains will regist to South Bend, Planch Tacoma, Except when red signal is displayed.

Clearance will not be issued at South Tacoma. except when red signal is displayed.

Clearance will not be issued os west bound trains at topenah and to east bound trains at Tillicum and to east bound trains at Sopenah. All trains will obtain a Clearance will not be issued os west bound trains at Sopenah and to east bound trains at Tillicum and to east bound trains at Sopenah. All trains will obtain a Clearance will not be issued to west bound trains at Sopenah and to east bound trains at Sopenah. All trains will obtain a Clearance will not be required to consult register, except at initial or starting point.

Builettin Station—Tacoma Wharf no clearance required.

Engineers will not be required to consult register, except at initial or starting point.

Builettin Station—Tacoma Wharf no clearance required.

Engineers will not be required to consult register, except at initial or starting point.

Builettin Station—Tacoma Wharf no clearance required.

Engineers will not be required to consult register, except at initial or starting point.

Builettin Station—Tacoma Wharf no clearance required.

Engineers will not be required to consult register, except at initial or starting point.

Builettin Station—Tacoma Wharf no clearance required.

Engineers will not be required to consult register, except at initial or starting point.

Builettin Station—Tacoma Wharf not except and the proper starting to the proper starting to trains over clouds will be governed by interlocking plants, which are operated in accordance

All trains must not exceed ten miles per hour through corporate limits of Roy, Centrain, Chenains, window and Castle Rock, and inteen miles per hour through corporate limits of Roy, Centrain, Chenains, window and Castle Rock, and inteen miles per hour through 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 (Keystone Lumber Co. spur); Rainier (Bob White Lumber Co. spur); Tenino (Derrickson spur, 2 miles east); Tenino (Stone Quarry); Wabash (Interlocking derail on O.-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); Winlock (west end of house track).

Tacoma Yard extends to South Tacoma, and Chehalis Yard to west wye switch at Chehalis Junction.

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.

Evolution is a figure for trains 307, 308, 369, 370, 361 and 362.

points south of Lakeview.

Evaline is a flag stop for trains 307, 308, 369, 370, 361 and 362.

No. 334 will stop at McIntosh Saturdays on flag. No. 333 will stop at McIntosh Sundays 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 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, Chehalis, Kalama, Vancouver 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 proceeding.

proceeding.

Conductors and Engineers must supply themselves with copy of Block Signal Rules governing the use of track between Vancouver and South Tacoma. 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 Tono 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.

authority.

Centralia yard extends to a point 1,600 feet east of Wabash.

Special Rules Governing Use of Double Track Between Tenino and Sopenah and Tillicum and Vancouver.

(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 100 feet east of depot at Tillicum to passenger station Vancouver, except single track across Lewis River Bridge, 3.0 miles east of Ridgefield, and single track from west end of passenger station platform at Cebtralia to a point 1,700 feet 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.

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 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.

(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.

(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

110	st bou	mu.			3(OUT BEND BRANC	<i>γ</i> Π.		E(ast Du	uliu.
THIRD CLASS.	FIRST	CLASS.	,8,			Time Table No. 34C			FIRST	CLASS.	THIRD CLASS.
969	393	391	Coal, Scales, and Wyes	Station Numbers	from Junction	Succeeding No. 34B August 27, 1911.	H.	cks	392	394	970
Freight	Passenger	Passenger	Coal	Nur	e fro	STATIONS.	Distance from South Bend	Capacity of Passing Tracks	Passenger	Passenger	Freight
See page 1	See page 1	See page 1	er, (les a	ion	anc hali		anc th E	acit	See page 2	See page 2	See page 2
EXCEPT SUNDAY	DAILY	DAILY	Water, Tables	Stat	Distance Chehalis	Telegraph Offices and Calls	Dist Sou	Cap Pass	DAILY	DAILY	EXCEPT SUNDAY
6.45AM	7.50PM	12.30PM	Y	2032	0.0	CHEHALIS JCT	56.5	Y	9.40AM	6.40PM	3.35PM
7.05	8.00	12.40		C ₂ W	3.4	AD 1.3	53.1	5	9.26	6.80	8.10
7.15	8.03	12.44		C W	4.7	ADNA	51.8	37	9.21	6.25	2.25
7.55	f · 8.19	12.58	W 2.4 m West	10	10.1	CERES	46.4	58	9.06	f 6.10	1.55
			11 000		16.2	LUEDINGHAUS R. R. CROSSING	40.3				
·						No Track Connection				·	
8.45 8.50 392	8.85	1.1 5 970		C W 16	16.3	DRDRYADD	40.2	90	8.50 969	5.55	1:15 391
9.05	8.40	1.19		C W	17.6	DODOTYD	38.9	Spur	8.45	5.50	1.00
10.15	8.55	1.85	W	C W 22	22.3	PLPE ELLD	34.2	75	8.35	5.85	12.80
·					23.7	McCORMICK R. R. CROSSING 0.6 Track Connection	32.8				
10.85	9.02	f 1.41	W	C W	24.3	Mc@ORMICK	32.2	Spur	f 8.21	5.27	12.10PM
11.00	9.10	f 1.50		C W 26	26.1	WALVILLE	30.4	Spur	f 8.16	5.24	11.55AM
				-	27.3	.WALVILLE R. R. CROSSING 1.6 No Track Connection	29.2				
11.40AM 970	f 9.25	2.00	т	C W 29	28.9	PLUVIUS	27.6	36	f 8.07	f 5.17	11.40 969
12.15PM	9.45	2.25	w	C W 35	35.3	FRFRANCESD	21.2	35	7.45	4.55	10.20
12.25	f 9.49	2.80		C W 37	36.6	GLOBE	19.9	Spur	f 7.39	f 4.50	9.40
12.85	9.53	2.34		C W 38	38.0	BMD	18.5	14	7.86	4.47	9.80
1.10	10.03	2.45		C W 42	42.3	HOLCOMB	14.2	30	7.24	4.85	9.00
1.80	10.18	2.58		C W 46	46.5	MENLO	10.0	9	7.13	4.25	8.35
2.00	10.28	8.10	s	CW 50	50.5	WILLAPA	6.0	16	7.02	4.15	8.10
2 .80	10.35	8.20		C W 53	53.1	NDRAYMONDD	3.4	45	6.57	4.10	8.00
3.00PM 394	10.45PM	3.30PM 394	W.C	C W 57	56.5	SBD	0.0	150	6.45AM	4.00 PM 969-391	7.80AM
EXCEPT SUNDAY	DAILY	DAILY							DAILY	DAILY	EXCEPT SUNDAY
8.15	2.55	3.00				Time Over District			2.55	2.40	8.05
6.8	19.3	18.9				Average Speed per Hour			19.3	21.2	6.9

SOUTH BEND BRANCH.

East Bound.

Registering Stations—Chehalis and South Bend.

Standard Clock—Centralia. Bulletin Station—South Bend.

West Bound.

bedden 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.

All trains will stop 400 feet from draw span over South Fork Willapa River, three miles east of South Bend, and will not proceed until draw is known to be closed.

Chehalis Yard includes west "Wye" switch at Chehalis Junction.

Maximum grades between Pe Ell 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.

West Bou	nd.						BUCKLEY LIN	łΕ.						E	ast Bound.	West Bour	ıd.	G	RE	EN RIVER BRANCH		East	Bound.
THIRD CLASS	s. FIRST	CLASS T	RAINS.	ales,	, <u>s</u>		Time Table No. 34C			FI	RST CLA	SS.			THIRD CLASS.	FIRST CLASS.	lles,	s		Time Table No. 34C		FI	IRST CLASS.
971	397	367	395	Coal, Scales,	Numbers	Distance from Kanaskat	Succeeding No. 34B August 27, 1911	from	of Fracks	368	396	398		-	972	395	Coal, Scales, and Wyes	Numbers	rom	Succeeding No. 34B August 27, 1911.	from	3 3	98
Way Freight	Passenger	Passenge	Passenger		Station N	tance	STATIONS.	Distance Tacoma	Capacity Passing T	Passenger	Passenger	Passenger			Way Freight	Passenger	er, Co les an	ion N	Distance from Kerriston	STATIONS.	Distance from Kanaskat Capacity of	50	senger
EXCEPT SUNDAY	DAILY	DAILY	DAILY	War Tab	Sta	Dis	Telegraph Offices and Calls	Dist	Cap	DAILY	DAILY	DAILY			EXCEPT SUNDAY	DAILY	Water, Tables	Station			Cap Cap	DA DA	AILY
6.30AM	5.10PM	9.404	7.00AN	A	A1	1.0.0	KANASKAT	45.9	140	8.50AN	10.20AN	7.05P			1.30PM	6.00AM		C J 15	0.0	KERRISTON	14.9	8	3.20PM
6.45	5.15	* 9.45	7.04		1932	1.2	JCPALMER JCTN	44.7	70	8.45	* 10.10	7.00			1.00	6.25	w	С ₇ Ј	7.6	HEMLOCK	7.3 30) 7	7.40
6.50	5.16	* 9.47	7.06	w	1933	2.1	PALMER	43.8	30	f 8.43	* 10.08	6.55			12.45	6.28		C ₅ J	8.4	BARNESTON	6.5 Spt	ır 7	7.85
7.00	5.19	f 9.51	7.10		1934		BAYNE		1	B .	* 10.05	6.51			12.80	6.40		$\frac{C_{\mathbf{J}}}{2}$	12.5	KANGLEY JCT	2.4 62	2 7	7.15
7.05	f 5.22	* 9.55	7.14		1936	4.7	CUMBERLAND	41.2	No Sdg.	f 8.39	* 10.02	6.46			12.01PM	6.50AM	WY	A 1	14.9	GVKANASKATN	0.0 75	5 7	7.10PM
7.10 3957.45	* 5.24	* 10.00	* 7.16 971		1937	5.5	NAVY	40.4	60	f 8.38	* 10.00 367	* 6.48			11.50AM								
8.20 9.00 368	5.87	10.13	7.28		1942	10.9	CWENUMCLAWD	35.0	105	8.28 971	9.50	6.80			11.20	DAILY				-		DA	AILY
9.25 10.45	5.50	10.21	7.38		1945	14.3	BKBUCKLEYD	31.6	100	8.18	9.43 971	6.18			10.21	.50				Time Over District			1.10
367 972 396		972					4.3				972				10.21 9.00 367 971 396	17.9				Average Speed per Hour		1:	2.6
11.00	* 6.00	*10.80	* 7.48		1949	18.6	CASCADE JCT	27.3	No Sdg.	* 8.05	* 9.32	* 6.00			8.20								
11.10AM 12.15PM	6.08	10.88	8.03 972–368	WC	1950	19.7	SOSOUTH PRAIRIED	26.2	135	8.03 972–395	* 9.80	5.50			8.15 7.55 368-395	Register Engineer Derailing	ring S s will s swite	tatio not b thes w	n.—] e req est o	Kanaskat. uired to consult register except at i f main line log landings will be set	nitial or	starti	ng point.
12.35	f 6.11	* 10.40	8.10		1954	22.5		23.4	Spur	7.55	* 9.23	5.88			7.35	Trains w	rill loo feet w	k out	for Spu	engines of Logging Co. using trace r No. 1 at Kerriston.	k east o	of dera	ail switch
12.40	f 6.15	* 10.42	f 8.12		1955	24.2	CROCKER	21.7	100	î 7.58	* 9.21	f 5.30			7.80	Tains w their siding a	vill loc .nd Ka	ok ou ingley	t for	engines of Cascade Timber Co.	handlin	g logs	between
1.10	6.25	f 10.50	8.18	Т	1958	26.7	OGD	19.0	200	7.47	* 9.17	5.22			7.10		g swite	h is l		d 250 feet east of Kangley Jct., on	Kangle	y Line	e. ,
1.24	6.83	* 10.58	8.27		1961	30.3	McMILLIN	15.6	8 Spur	f 7.40	* 9.10	5.12			6.50	See speci	ai ruie	s, pa	ge o.				
1.80	6.38	* 11.02	8.87		1963	32.4	ALDERTON	13.5	25	f 7.87	* 9.07	5.06			6.35	i.							
1.40	* 6.48	* 11.07	* 8.40	Y W	1966	34.8	MEEKER	11.1	70	* 7.84	* 9.04	* 5.00	<u> </u>		6.20								
2.00	6.58	11.15	9.00		1967	36.1	PYN 8.5	9.8	70	7.80	9.00	4.55			6.10								
	7.10PM	11.30A	9.25AN			44.6	QN	1.3		7.15AN	8. 4 5AM	4.30PM											
2.45PM					1976	45.9	TACOMA WHARF	0.0							5.30AM								
EXCEPT SUNDAY	DAILY	DAILY	DAILY	T .						DAILY	DAILY	DAILY			EXCEPT SUNDAY								
8.15	2.00	1.50	2.25				Time Over District			1.35	1.35	2.35			8.00								
5.5	22.3	24.4	18.4				Average Speed per Hour			28.1	28.1	17.3			5.7					•			

Speed of trains over crossover switches at Tidewater and Puyallup and over 15th Street Bridge, entering Tacoma passenger yard, must not exceed ten

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.

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.

Tacoma Division trains using track between Tidewater and Puyallup will provide themselves with copy of Seattle Division time card and be governed by instructions issued by Superintendent Seattle Division.

Registering Stations—Tacoma Wharf, Tacoma, Puyallup, South Prairie and Palmer unction.

Crocker 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 Tacoma Wharf and Tacoma no clearance required. No. 396 will register by ticket and need not obtain clearance at South Prairie, unless red signal is obtained.

Builetin Stations.—Tacoma Wharf, Tacoma, South Prairie.

Standard Clock.—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 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 is main 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 direction 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 flag when using this gauntlet.

In order to fully safeguard operation

during foggy weather:

Conductors and engineers of trains from Buckley Line, before leaving Meeker, will obtain from operator at Puyallup by telephone, block, indicating 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 control, 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 before 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" 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 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.

Line.

NOTE.—No. 398 will wait at Puyallup for connection with No. 323. No. 396 will connect with No. No. 321 at Puyallup.

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. 368 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 Wharf, loated at East L Street (near head of Bay Yard Office). East D Street (near Nound 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 Tidewater under full control, and will not proceed until tracks are known to be clear and signal is received from Switch Tender.

Conductors of trains carrying logs, before using double tracks, will carefully inspect loading; and, if insecure, will obtain orders insuring that other trains will not be met while running.

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 and govern single track passenger line between 15th Street and Tacoma passenger station. No train from the draw bridge line or Tacoma Division Main Line when signal at the north end of the yard is at "Danger." The use of

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

West Bound. WILKESON BRANCH. East Bound.

West	t Boun	d.		Bl	JRNETT BRANCH.		E	ast Bou	und.	
FIRST	CLASS.	s	bers	g	Time Table No. 34C	E	ks	FIRST	CLASS.	F
373	375	Coal, Tables	n Numbers	ce from	Succeeding No. 34B August 27, 1911	ice from le Jct.	city of ng Tracks	374	376	3
Passenger	Passenger	Water, Scales, and W	Station	istance	STATIONS.	istance ascade	Capac Passin	Passenger	Passenger	Pa
DAILY	DAILY	SC3 an	St	Spin	Telegraph Offices and Calls	ÖÖ	ಬ್ಜ	DAILY	DAILY	Ī
6.21PM	7.26AM		C C	0.0	SPIKETON	3.4	45	7.25AM	6.20PM	
6.26	7.34		CC	2.1	BNBURNETTD	1.3	45	7.15	6.15	
* 6.31PM	* 7.39AM		1949	3.4	CASCADE JCT	0.0	No Sdg.	* 7.10AM	* 6.10PM	-
DAILY	DAILY							DAILY	DAILY	
.10	. 13				Time Over District			.15	.10	-
20.4	15.6				Average Speed per Hour			13.6	20.4	
	Dogista	<u> </u>	Ctati	ome	Burnett and Cascade Junction	Enc	rineer	s will not	he	*

Registering Stations.—Burnett and Cascade Junction. Engineers will not be required to consult register except at initial or starting point. Switches above Burnett will be set to protect cars at quarries by derail. Speed of trains when backing up must not exceed 20 miles per hour

Speed must not exceed six miles per hour within the corporate limits of Burnett.

Derail Switch east station platform at Spiketon must be set and locked for derail when not in use.

West Bour	ıd.			ORTING BRANCH.		E	ast Bound.
	Coal, Tables	n Numbers	ce from Track	Time Table No. 34C Succeeding No. 34B August 27, 1911	ce from	apacity of assing Tracks	
	ales d W	Station	istan nd of	STATIONS.	Distance Orting	pac	
	Wat Scal and	St	БÜ	Telegraph Offices and Calls	ãō	ညီမီ	
			0.0	END OF TRACK	10.0		
			1.3	TACOMA & EASTERN CROSS'G	8.7		
		C _E	2.7	PUYALLUP RIVER	7.3	10	
	WT	1958	10.0	OGD	0.0	200	

Registering Station.—Orting.

Engineers will not be required to consult register except at initial or starting point. Junction switch, one mile east of Orting station will be set for cross-over, and track from cross-over to station will be used as a main line passing track.

Maximum grades on St. Paul & Tacoma Lumber Co.'s line east of Puyallup River.

See special rules, page 8.

Derailing switch 200 feet east of Junction switch must be left set for derail.

Derail at Fisks must be left set for derail.

FIRST CLASS.	es.	nbers	from	Time Table No. 34C	from Jct.	ıcks	FIRST	CLASS
377	, coal, Tables yes	Station Numbers	Distance fro Fairfax	Succeeding No. 34B August 27, 1911	Distance fro	Capacity of Passing Tracks	378	
Passenger	Water, Scales, and W	atio	star irfa	STATIONS.	sta	ıpacıssiı	Passenger	
DAILY	Sca	St	Di	Telegraph Offices and Calls	ద్రా	ညီပိ	DAILY	
6.10AM	Т	C B 15	0.0	FXFAIRFAXD	15.5	5 Spur	7.85PM	
6.17		C B 13	1.7	MELMONT	13.8	5 Spur	7.30	-
			6.2	CARBON COAL CO. CROSSING	9.3		,	
6.35		C _B	6.8	CBD	8.7	5	7.15	
6.55	ST	C _B	10.6	WXD	4.9	90	6.55 6.45	
* 7.10AM		1949	15.5	CASCADE JCT	0.0	No Sdg.	* 6.31PM	
DAILY							DAILY	
1.00				Time Over District			1.04	-
15.5				Average Speed per Hour			15.4	

Maximum Grades.

Registering Stations.—Fairfax and Cascade Junction.
Engineers will not be required to consult register except at initial or starting point.
Derailing switch located 200 feet east of east switch at Montezuma will be kept set and locked for derail.

Carbonado Junction switch at Wilkeson and Fairfax Junction switch at Carbonado will be set for Fairfax Line.

Speed of trains when backing up must not exceed 20 miles per hour. Frains will stop at railroad crossing near Fairfax Junction, between Carbonado

and Fairfax. Derail switches at west end of coal track at Melmont and 200 feet east of Cascade Junction must be kept set in derailing position when not in use.

Switch east of depot at Fairfax will be set to protect cars at Bunkers by Trains between Fairfax and Montezuma will look out for logging train of Wash-

ington Manufacturing Company, switching at Montezuma. No. 377 has right over No. 378 Fairfax to Cascade Junction.

	, Coal, , Tables ,yes	Station Numbers	Distance from Simpson	Time Table No. 34C Succeeding No. 34B August 27, 1911	Distance from Elma	Capacity of Passing Tracks	
	Water, Scales, and Wy	atio	star	STATIONS.	sta	ıpacı ıssi	
	SC3 an	Sta	Sir	Telegraph Offices and Calls	E	ညီင	
		C H 10	0.0	SIMPSON	10.0	7	
-		C _H	1.2	SMITHS SPUR	8.8	4	
		C H 7½	2.3	HILLGROVE	7.7	4	
		C _H	2.5	McCLEARY	7.5	8	
	-	C _H	5.1	RAYVILLE	4.9	4	
		C _H	6.0	WHITE'S	4.0	5	
· · · · · · · · · · · · · · · · · · ·		C M	10.0	EFD	0.0	60	

ELMA BRANCH.

East Bound.

West Bound.

Engineers will not be required to consult register except at initial or starting point. Kraft, 2.0 miles west of Elma, is spur for carload shipments.

Note.—All trains will run slow between Simpson and Hillgrove account light rails. Switch in main track just above switch leading to Siding at Simpson must be left to act as derail. See Special Rules, page 8.

West Bo	oun	d.	CROCKER BRANC	Н.	Ea	st Bo	und.
Coal, Tables	Numbers .	ce from te	Time Table No. 34C Succeeding No. 34B August 27, 1911	ice from	nce from de Jct.		
iter,	tation	inga	STATIONS.	stan	star		
Wa Scs	Sta	Σ. Vis	Telegraph Offices and Calls	చేస్తే	Ca		
ws	C _D	0.0	WINGATE5.2	5.2	140		
	1955	5.2	CROCKER	0.0	100		

Registering Station.—Crocker. Switches below station at Wingate will be set to act as derail.

Engineers will not be required to consult register except at initial or starting point.

Derailing switches at Crocker and in main track 550 feet west of depot at Wingate, must be left set for derail. See special rules, page 8. Maximum grades.

COMMERCIAL SPURS.

MAIN LINE.	MAIN LINE—Cont.	ORTING BRANCH. DISTANCE FROM ORTING.	BUCKLEY LINE. DISTANCE FROM PALMER JCT.	Foran	SOUTH BEND BRANCH—Cont.	GRAY'S HARBOR Line.
DISTANCE FROM TACOMA.	Byckford 53.7		Big 6 1.6	Duby 12.0	Lewis	
Stone	Newaukum		Occidental 1.8	SOUTH BEND		Molberg
Mentzer 38.3	E-1 85 0	Fisks	Nolte	BRANCH. DISTANCE FROM CHEHALIS JC.	DECICION TO THE PROPERTY OF TH	Standard Oil Co
Tenino Stone Co	Evaline 05.0	Dempsey Lumber Co 8.3	Blackburn	Harmons. 6.4 Donahue 12.0	Mayfair 55.5	Overton
	Capitol Mills	Electron Rock Crusher 8.6	Valley Mill	Meskill	YACOLT BRANCH. DISTANCE FROM YACOLT.	Ames 45
Blumauer	Metcalf		DIOUMIEIQ	Mays	McCutcheon	Bagshaw
Great Western Coal Co 41.3	Hermione	WILKESON BRANCH.	1	Cases. 27.8	Dole	Malone
Martin Lbr. Co	CROCKER BRANCH.	DISTANCE FROM CASCADE JCT.	4.711 2.111	Siler	Lucia 4.9	Vance. 64.5
Salzer 51.4	DISTANCE FROM CROCKER.	Brierhill Coal & Coke Co 4.5	DISTANCE FROM CENTRALIA.	Guarriar 35.0	Smith	Weatherwax73.9
Carlisle	Morse 2.1	Wilson's Mill 3.2	111601111111111111111111111111111111111	Soule	Tenny 13.2	Ninemire & Morgan 86.4

FREIGHT TRAINS AUTHORIZED TO CARRY ADULT MALE PASSENGERS, WHEN PROVIDED WITH PROPER TRANSPORTATION.

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

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

OLYMPIA LOG TRAIN.—Between Olympia

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, and Elma and Hannaford Creek Branch.

CASTLE ROCK

Dr. T. C. Campbell, District Surgeon. District between Kelso and Winlock.

Dr. C. W. Bales, District Surgeon. District between Kalama and Castle Rock.

Dr. Luther M. Simms, District Surgeon. District between Vancouver and Kelso.

Dr. J. T. Guerin, District Surgeon. District between Kalama and Albina.

ALBINA-

Dr. Curtis C. Holcomb, District Surgeon. District between Vancouver and Portland. PORTLAND-

Dr. Kenneth A. J. Mackenzie, Chief Sur-

Dr. Geo. Ainslie, Consulting Oculist and Aurist.

Dr. Frank M. Taylor, Assistant Surgeon. Dr. D. H. Jessup, Assistant Surgeon.

AUTHORIZED SURGEONS, N. P. RY. CO.

Dr. G. W. Kennicott, Chehalis.

Location of Stretchers (S).

Dr. S. W. Mowers, Chief Surgeon, |Dr. W. B. Penny, Wilkeson, Wn. Western Div., Tacoma.

Dr. J. H. Sheets, Buckley (S). P. B. SWELT, Kangley, Wn.

Orting (S). Puyallup (S). Tacoma Hospital (S). Tacoma Round House (S). Tacoma Baggage Room (S). Tacoma Wharf (S). Tacoma (Toolcar) (S).

Dr. J. W. Mowell, Olympia (S). Dr. J. H. Dumon, Centralia (S). Dr. P. B. Swearingen, So. Tacoma(S) Dr. E. P. French, Elma. Dr. E. L. Carlsen, So, Tacoma (S). Dr. F. L. Carr, Montesano (S).

Dr. H. C. WATKINS, Hoquiam. DR. PAUL SMITS, Aberdeen. Dr. A. B. MacLean, Pe Ell. Dr. W. Gruwell, So. Bend (S). Dr. I. A. Weichbrod, Winlock.

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).

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 arrival 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 21/2 miles west of South Tacoma.

Registering Stations.—Tacoma vard 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 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 yard.

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 unless Home signal shows clear indication.

Trains will approach Tidewater under full control and will not proceed until tracks are known to be clear and signal is received from

Distance Signal 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. Train Master, Tacoma J. F. ALSIP. Chief Dispatcher, Tacoma

TONNAGE RATINGS-FREIGHT ENGINES-N. P. R. R.

					BUCKLI	EY LIN	E-EAST	BOUN	D.									
	Class Z		Class W		Class Y-5		Class Y-2		Class F-1		Class S		Class 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	Cars
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 Jet			1100	37	1100	37	900	30	900	30	800	27	500	17	475	16	350	12
Tacoma to South Prairie	ma to South Prairie				Maximum 80 Cars		Maximum Maximum 80 Cars 60 Cars					Maximum 60 Cars		Maximum 60 Cars		Maximum 40 Cars		
					BUCKL	EY LIN	E-WES	T BOU	ND.									
Palmer to Tacoma	almer to Tacoma			Maximum 80 Cars		Maximum 80 Cars		Maximum 80 Cars 80 Cars		Maximum 80 Cars		Maximum 60 Cars		Maximum 60 Cars		Maximum 60 Cars		
					MAIN	LINE-	-WEST	BOUNE).									-
	Cla	ss W	Class	Y-2	Class	F-1	Clas	is S	Clas	is P	Class	E-4	Class	E-3	Class	D- 3	Clas	s C -6
GRADES.	Tons	Cars	Tons	Cars	Tons	Cars	Tons	Cars	Tons	Cars	Tons	Cars	Tons	Cars	Tons	Cars	Tons	Cars
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		80		80		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		80		80	1500	50	2000	60	1400	47	1200	40	1175	39	1175	39	1050	35
					MAIN	LINE	EAST	BOUND										
Portland to Winlock	1750	58	1550	52	1400	47	1350	45	1250	41	1050	35	1025	34	1025	34	900	30

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.

1260

1500

42

50

60

1110

1250

1900

Winlock to Napavine....

Napavine to Rainier.....

Rainier to Tacoma.....

To find the rating of an engine when train contains more 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

960

1050

1700

32

35

57

860

950

1500

29

31

50

37

41

63

1010

1100

1750

33

36

58

the rating for each car in excess of the normal.

Maximum eighty cars between Tacoma and Portland.

635

725

1275

21

24

42

510

600

1150

17

20

38

21

24

42

635

725

1275

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 except engines heavier than S must not go beyond house track switch leading from log dump track at Felida.

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 D-3.

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.

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

660

750

1300

22

25

43

Rating of Locomotives in Tons of 2000 Pounds

				EAST BOUND								WEST I	BOUND		
CLASSIFICAT	CION	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
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
Mik-57 $\frac{23\frac{3}{4}}{30}$	208	500-540	3100	2340	1930	1400	1550	2200	2490	2490	1250	580	1700	1250	3100
M-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
$rac{7}{7}$ $rac{20}{26}$	132	720–727								*					
$M-63\frac{15\frac{1}{2}x26}{28}$	144	1740–1798	1800	1320	1130	840	910	1280	1460	1460	750	350	1020	750	1800
S-55 $\frac{19}{26}$	130	552										380			
i I		l	[]]	1		<u> </u>			I]	İ		1		

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

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

CLASS

"E" —Eight Wheelers —Atlantic Type

"A" —Atlantic Type
"P" —Pacific Type
"T" —Ten Wheelers

"M" —Moguls
"Mik"—Mikado

"C" —Consolidation Engines
"TW" —Twelve Wheelers

"S" —Switch

Example.—Consolidation engine having 57 inch drivers, cylinders 22-inch diameter and 30-inch stroke, and weighing 187,000 pounds on drivers:

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

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.

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

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 degrees upward or light shows "yellow," it is caution signal, and indicates block immediately ahead is not occupied but next semaphore about its at Danger. When semaphore is 00 degrees upward or light shows "yellow," it is caution signal, and indicates block immediately ahead is not occupied but next semaphore ahead 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:

 (A) Semaphore arm in horizontal position or red light by night, STOP.
 (B) Semaphore arm 45 degrees upward, or yellow light by night, CAUTION. (C) 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 ascertained, 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 cross-

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:

EAST-BOUND FROM VANCOUVER:

133.8—1500 feet east of Mile Post No. 134	119.8-4700 feet east of Mile Post No. 120
133.2—4 500 feet east of Mile Post No. 134	117.8 — 400 feet east of Mile Post No. 118
132.8—2300 feet east of Mile Post No. 133	115.8— 900 feet east of Mile Post No. 116
131.0—4800 feet east of Mile Post No. 132	114.6 —1600 feet east of Mile Post No. 115
128.8 — 600 feet east of Mile Post No. 129	113.6—1800 feet east of Mile Post No. 114
127.2 —3700 feet east of Mile Post No. 128	112.4—3200 feet east of Mile Post No. 113
125.6 —2700 feet east of Mile Post No. 126	110.2 —2700 feet east of Mile Post No. 111
123.8— 400 feet east of Mile Post No. 124	108.6—2280 feet east of Mile Post No. 109
122.2—4200 feet east of Mile Post No. 123	107.0—4700 feet east of Mile Post No. 108
120.6—2800 feet east of Mile Post No. 121	105.8—2200 feet east of Mile Post No. 106

Signals governing west bound trains, are numbered and located as follows:

WEST-BOUND FROM KALAMA:

DOL DOUGH LINGUE MILMINE	
105.7—3400 feet west of Mile Post No. 105	120.7 —3200 feet west of Mile Post No. 120
107.1 — 500 feet west of Mile Post No. 107	122.3 —2000 feet west of Mile Post No. 122
108.5—3000 feet west of Mile Post No. 108	123.9 —4800 feet west of Mile Post No. 123
110.3— 800 feet west of Mile Post No. 110	125.5 —2600 feet west of Mile Post No. 125
111.9—3600 feet west of Mile Post No. 111	127.3—1600 feet west of Mile Post No. 127
113.7 —3400 feet west of Mile Post No. 113	129.1 — 400 feet west of Mile Post No. 129
114.7—3600 feet west of Mile Post No. 114	130.7—3800 feet west of Mile Post No. 130
115.9—4400 feet west of Mile Post No. 115	132.5—1800 feet west of Mile Post No. 132
117.9 —4800 feet west of Mile Post No. 117	133.3— 900 feet west of Mile Post No. 133
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

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

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 office.

