COMPANY SURGEONS.

*Dr. Roscoe C. Webb, Chief Surgeon	Minneapolis, Minn.
*Dr. Ernest R. Anderson,	
Assistant Chief Surgeon	
*Dr. H. J. Knott	Souttle, Wash.
*Dr. F. K. Remington	Seattle, Wash.
*Dr. George R. Kingston	Wenatchee, Wash.
*Dr. Chas. E. Conner	Cashmere, Wash.
*Dr. L. S. Track	Bverett, Wash.
*Dr. Ross Wright	
*Dr. G. H. Clement	- 1 A
Dr. Thos, B. Dodgson,	East Stanwood, Wash.
*Dr. G. H. Stollwerck	Burlington, Wash.
*Dr. D. H. Boettner	Bellingham, Wash.
Dr. Minard Allison	Monroe, Wash.
Dr. Roy F. West	Beattle, Wash.
Dr. Albert Ehrlich	Tacoma, Wash.
Dr. G. F. Parks	Centralia, Wash.
Dr. Henry M. Wiswall	Vancouver, Wash.
Dr. Raiph M. Dodson	Portland, Ore.
Dr. Austin Shaw	Anscortes, Wash.
Dr. H. L. Hopkins	Leavenworth, Wash.
*Designates also Examining Surgeons.	

OPHTHALMIC SURGEONS. (Eye Doctors)

Dr. H. R. Secoy	Everett,	Wash.
Dr. F. F. Ackerm	anSeattle,	Wash.

F. R. Cochran, Chief Dispatcher.

W. P. Coliton, Trainmaster.

E. T. Carter, Trainmaster.

L. E. Barnes, Trainmaster.

E. J. Gardner, Trainmaster.

D. D. Hoag, Asst. Trainmaster.

GREAT NORTHERN RAILWAY COMPANY

CASCADE DIVISION

TIME TABLE 65

Effective 12:01 A. M. Pacific Time

Sunday, October 17, 1954

R. N. WHITMAN, Superintendent.
T. A. JERROW, General Manager.
L. W. CAMPBELL, General Superintendent Transportation.

2	2 WESTWARD FIRST SUBDIVISION															
<u> </u>	Ca	MZ I	SECOND	CLASS				FIRST C				<u> </u>	3	a strong	Time Table No. 65	Telegraph Calls
1	Capa			403	' <u> </u>	361	359	357	355	ţ ţ	5	1	0	849 849 849	Effective October 17, 1954	40
Station Numbers	,	4	`	C. M. St. P. & P. 501	`	·	`	<u> </u>	`	1				Distance Wenateh	STATIONS	- 1
25 E	Siding	Trans.		Daily Ex. Sun.	'	Daily	Daily Ex. Sun.	Daily	Daliy	Di	Daily	Daily	Daily	Q ≱		1 1
_	-	1085			1			1			2.40Pm I	L 3.35Am	L 12.40Am	6.00	WENATCHEE	wc
1648 1655	Yard 1	1085 47			١	1	·				2.52	3.50	12.55	7.88	7.88 MONITOR	MR
1659		918			l	ļl	·	L	l	1	1.00	3.55	1.00	11,00	CASHMERE	OM
1664	64	85			t		L)	 	·		1.09	4.02	1.07	18.65	DRYDEN	DN PN
1667	0	286	l	[<u> </u>		·			5	1.14	4.07	1.12	18.77	PESHÄSTIN	- KN
	·			<u> </u>		1	1		1		1.20	4.12	1.17	22.05	LEAVENWORTH	CH
1671	113	18	ļi	[()			(Ί.	1.29	4.20	1.25	27.90	CHUMSTICK	
1676 1884	25 100	0 28			([[·		1.42	4.34	1,39	85.60	7.70 winton	WI
1684 1601	109 185	28 61				اا	l		1	1	1.50	4.42	1.50	42.15	6.55 MERRITT 7.03	
1609	104	11			[].	L	l		<u>(</u>	1	2.04	4.56	2.05	49.18	7.08	BB
			1		1	 	1	 }		1_		F	9.05	88.16	8.98 SCENIC	MA
1716	135 E-191	10	[]		 	(<u>-</u>	ļ	 	!		2.22	5.14 £ 5.46	2.25 3.00	68.16 70.95	12,80 SKYKOMISH	KY
	R-101 W-00	971	ļ		 	[]	[·······	\	1 .	2.50	£ 5.40	3.00	76.77	8.81 GROTTO	GO
1782	50	68	······		[]	<u> </u>	Ţ		·	1	3.02	5.56	3.10	78.65	8.66 BARING	٠
1786	185	19				(——			(1-			·	1		1
	1	ايا	1	1	1	(i	Ų,	1			3.12	6.07	3,22	85.24	6.50 INDEX	ا ا
1742	*1	16		1	[]	[[[)	[1"	3.21	6.16	3.31	90,14	4.90 院修育工程表	چ۱
1747	100 149	80 Yard								1	3.27	6.22	3.37	94.51	4.87 GOLD BAR	G GB
1751 1757	149	Yard 61									3.33	6.28	3.42	99.91	8.40 sultan	
				-			 		 	-		<u> </u>	[tm!
1764	189	127		L 10.014m					[3.44	6.36	3,49	107.87	7.46 MONROE 7.00	S 20
1771	187	186		10.15	 				 	. 6	4.00	6.43	3.55	114.87	, SNOHOMISH	# 8H
	ļļ			ļ	 		·			····			1	115.01 119.94	ENOHOMISH SCT	STOPUL.
	ļ	ļ	ļ	· · · · · · · · · · · · · · · · · · ·	 		·	· · · · · · · · · · · · · · · · · · ·	1	† ····				120.10	O.16	-
1777	m	119		A 10.30Am	<u> </u>	·								·	0.09	w
	Con-	 				ļ			 	E	4.08	6.49	4.01	120.23	1.62	1 1
		104	{		·	 	· · · · · · · · · · · · · · · · · · ·			1	4.11	6.52	4.04	121.81 122,86	PACIFIC AVENUE	JN
1770	0			·····	······································		· · · · · · · · · · · · · · · · · · ·	-	T 11 02		4.25	# 7.02 7.04	4.21	122.80	0.81	1
1780	[]	4	······		 	I. 9.18tm	1	L 3.321a 3.37	L 11.26Am		4.27 4.33	7.04 7.10	4.22 4.27	127,49	8.75	
2784	0	75			 	9.23	t 8.37		1	+-				 	7.14	1
1798						9.33	1 8.49	3.47	11.41		4.43	7.21	4.38	184.50	lud) 5.71	
1795	0	107	 			9.38	s 8.55	3.52	11.46		4.52	7.26	4,43	188. 3 7	[]KDMQNDS	DI
1796	0	79			ļ		1 9.01	3.57	11.51	ı	4.59 5.11	7.31	4.48 5.00	14L87 149,28	i⊆ 7.86 i	11
1807	0	190			· · · · · · · · · · · · · · · · · · ·	. 9.53	9.15	4.07	12.027	ł	5.11	7.43	5.00	1	1.76	
1808	Yard	1108		ļ		. 9.56	1 9.19	4.10	12.05	1	5.15	7.46	5.03	150.99		RI
	1	†	1		1							. 7.48		151.97		l
										ļ	****			. 154.97	3 NORTH PORTAL	
	<u> </u>			1	1	1	O SHI SA	LWD KING ST	DEST DACC	/knv	ED ere	TION THE	(Et Dill se	JOVED	F 1.80	
SETY	VEEN 1	OSTA	PORTAL A	RD NORTH	PORTAL IN	TEELOOKIA	THE RULES A	THE TANK	Land PAS		Als and	J	I	158.87	7 2 SOUTH PORTAL	:
		[· · · · · · · · · · · · · · · · · · ·		1	4 10 10-	0 24-	w A 4.25№	A 12 150	m A	5.3/10-	A 8.004	в. А. 5.15 <i>k</i> а	1	O.10	.) 01
1818	Yard	889			1	A 10.10%								1	Time Over Subdivision	
	1		<u> </u>	25.10	1	\$6.92	1.03 30.47	\$6.23	.51 37.64	1	4.50 \$2.21	4.25 85.25	4.85 \$8.60	<u> </u>	Average Speed Per Hour	

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

SEE ADDITIONAL SPECIAL INSTRUCTIONS PAGES 7 THROUGH 18.

					FII	RST SU	BDIVI	SION				EAS	STWAR	D 3
Time Table No. 65	T	_	FIRST CLASS SECOND CLASS											
Effective October 17, 1854		Distance from Scattle	356	358	6	360	2	362	4		406 C. M. 8t. P. 4 P 593		ł	SIGNS
STATIONS	-	Dietan Seattle	Daily	Daily Ez. Sun.	Dally	Daily	Daily	Daily	Daily		Daily Ex. Sun.			
WENATCHEE)	١,	85.67			A 1.10Pm		A 7.10mm	•••••	A 3.05Am					RKDNW KPBJ
7.88 MONITOR	- 1	48.30		**********	1 12.52		6.59	••••••	2.50					DP
CASHNERE	- 1	44.67			12.47		6.54	***********	2.45					DNWXP
4.65 DRYDEN	1	140.03			12.39	,,,,,,,,,,,	6.47	*********	2.39	**********		······································		DP
8.12 PESHASTIN	1	188.90			a 12.33	. ,	6.42	*********	2.35					DP
3.28 LEAVENWORTH	. -				12.07		6.37		2.30					DNP
LEAVENWORTH 8.88 CHUMSTICK		20.88		**********	12.27 1 12.18		6.30		2.20					P
CHUMSTICK 7.70 WINTON		197.77		**********	1 12.10 1 12.08/m		6.18		2,08	*********				P
6.55		120.07			1 11.58		6.09		1.50					WYPND
7,08 生成形式		118.52 106,49			r 11.43		5.55	*******	1.35					PT
														IDNP
8.08 SCENIC		97.61			a 11.25		5.36	- 	1.16	**********				REDNW
12.90 skykomish		86.71		ļ	s 10.55		5.07	•••••	12,45 12,29					DP
		80.90			£ 10.44		4.51	• • • • • • • • • • • • • • • • • • • •	12.29		*********			WP
8.88 BARING		77.02			£ 10.38	**********	4.46		1664					
5.89 INDEX		70.48			s 10.26		4.35		12.13					P
6.90 REITER		65.68			1 10.17		4.28		12.054					P
4.87 QQLD BAR	힠	61.16			s 10.10		4.23		11.59				·····	DWYP
5.40 SULTAN	욁	55,76		ļ., ,, ,,,	s 10.01		4.18		11.54					P
	訚				s 9.51		4,08		11.46		A 1.004m			DNPRB
7.46 MONROE	l g	48.80		·····			4.00		11.40		12.45			DNPB
7.00 SNOHOMISH 6.64	윷	41.80	.,,	l·····	a 9.37		4.00		,,,,,,					A1
SNOHOMISH JCT 4.98 M. P. RY. JCT	5	60.66		l-*********										VRJ
	Ě	85.78	***********	***********							L 12.304		•••••	RJV
LOWELL JCT	• -	\$5.5T												
0.09 LOWELL		85.48			9.29		3.55		11.32	ļ		[·····	••••••	DNXYP
PACIFIC AVENUE		88.56			9.27		3.53		11.30	ļ	ļ		• • • • • • • • • • • • • • • • • • • •	DIXP
1.05 EVERETT		83.81			a 9.25		3.51		s 11.28					IXPJ
EVERETT JCT		82,60	A 8.58A	1		A 2.477×	1	A 6.50%	11.17		· · · · · · · · · · · · · · · · · · ·			P
MUKILTEG		28.26	8.53	f 9.03	9.14	2.42	3.44	6.45	·					
T.14	١١	\$1.11	8.43	8.52	9.05	2.33	3.35	6.35	11.03		ļ	.		P
8.71 EDMONDS		17.40	8.39	8.47	r 9.00	2.29	3.30	6.30	10.59	ļ			••••••	D₩₽
		14.80	8.35	1 8.40	8.55	2,25	3.25	6.25	10.55	·····	······	·[·······	********	DP
7.86 BALLARD		6.44	8.25	8.30	8.45	2.15	3.15	6.15	10,45		······		**********	XР
1.76			8,22	s 8,27	8.42	2.12	3.12	6.12	10.42					ZBOXPVI
INTERGAY		6.68	~ 	·	8.40	210	3.10	6.10	10.40]				ı
		8.70	8,20	8.25	0.40	210	3.10							1
M. P. RY. CROSSING 3.50 2, NORTH PORTAL		1.40				1	<u> </u>		400 000	1	l .	TATION 7.11	i Mart Dils	L OURDH
		BETY	VEEN NORT	TH PORTAL	AND SOUT	H PORTAL (INTERLOCK	ING RULES	ARD KING	SIREET P	SERVEY!	TATION TU	MUEL KATE	
SOUTH PORTAL	T	0.10						* K nn=	L 10.30h					RKDNXP VZB
SKÄTTLE	<u>_ </u>	0.00		L 8.15A		L 2.00%		.50	4.35	1	.80	-		
Time Over Subdivation Average Speed Per Hour	_		48 40.00	.55 84.90	4.40 88.86	40.85	4.10 87.86	88.40	83.96	<u> </u>	25.45	<u>i</u>		<u>. </u>
A Texast Cheen to 12001				:			Cond	(tional An	g stope-			Van ne ababaa		le, to pick

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

SEE ADDITIONAL SPECIAL INSTRUCTIONS PAGES 7 THROUGH 18.

4		sou	THWA	RD			SE	COND	SUBD	ivisio	N				
	Cap	er soity	THIRD CLASS FIRST CLASS										g	Time Table No. 65	1 7
Station Numbers	ä	12.00		735 0. N. 898			103 C. N. 4	101 c. n. s	361	359	357	355	Distance from Vanceuver	Effective October 17, 1954	Telegraph Calls
ł	Siding	Other Tracks		Tues., Fri.			Daily	Daily	Daily	Daily Ex. Sun.	Daily	Daily	Q.P.	STATIONS	I I
CL 125	Yard	400	ļ		,				L 6.15Pm	L 4.10Pm	L 12.30Pm	L 8.25Am	0.00	VANCOUVER)	VN
				1. 9.02 Aca	•••••		L 8.32Pm 8.35	ъ 7.32m 7.35			**********	ļ	0.71 1.25	VANCOUVER JCT 0.54 C. N. RY. JCT	ļ
CL 122		ļ		9.09			8.38	7.38	6.18	4.13	12.33	8.28	2.78	M. STILL CREEK	
CL		<u> </u>									**********	<u></u>	4.57	B. C. E. RY. CHOSSING	
CL 115 CL 122 CL	Yard	169		9,25 9,30			8.50 8.54	7.50 7.54	6.26	4,22 4,25	12.42	8.36 8.39	9.69 11.70	ENDOT 2.01 SAPPERTON	
CL 107	6	60		A 9.39	444444		1	▲ 8.05Fm	6.29 6.35	s 4.32	s 12.50	8.45	18.05	NEW WESTMINSTER.	MN
CL 101	48					.,			6.41	4,38	12.56	8,51	18.54	FRASER RIVER JCT	
CL96		47							6.47	4,44 860 f 4.56	1.02 1.10	8.58 9.04	18.78 24.08	TOWNSEND 5.25 COLEBROOK	*******
CL02	0	0							6.58	t 5.01	1.15	9.09	27.72	CRESCENT BEACH	
OL87	57	10							2 7.05	s 5.18	s 1.22	s 9.17	82.75	WHITE ROCK 2.88 INTERNATIONAL SORDER	WB
CL84	50	149							• 7.14	s 5.35	• 1.30	s 9,34	85.43 85,88	INTERNATIONAL BORDER 0.45	BN
CLIT	0	55					**********	•••••	7.22	s 5.47	1.38	9,42	48.46	7.58CUSTER	<u> </u>
CL71	,	118							7.28	s 5.57	1.45	9.49	49.04	5.58 FERNDALE 8.98	PD HM
CL62	52	589	•••••						7.40	6 6.15	s i.57	s 10.02	\$8.02	0.04	#I
*****					•••••							ļ	58.99 59.81	C.M.St.P.AP.R.R.CROS'QS	
CL60	1	101		.,					7.45	t 6.21	2.02	10.12	60.98	SOUTH BELLINGHAM. 0.88	TVNDIS
CL50 CL45		0 8							8.06 8.11	t 6.39 t 6.45	2.17 2.22	10.27 10.33	70.88 74.68	SAMISH 8.80 	
CLS9		258				***********			8.20	6.59	2.31	10.33 10.40	82,01	Y.88 BURLINGTON	во
CL85	1	191							s 8.28	s 7.15	± 2.39	s 10.46	85.98	8.97 MT. VERNON	NB.
CL28	i i	17 50			**********	*********			8.33	2 7.29	2.44	10.51	91.81	5.83 FER 7.10	
CL17	11	8	**********			**********			8.40	s 7.41	2.51	10.56	109.00	STANWOOD	<u>B</u>
CL18		16					•••••		8.46 8.50	t 7.50 t 7.56	2.57 360 3.08	11.02	108.98 107.93	SILVANA 8.95 KNGLISH	
							•••••		8.54	10.8	3.12	11.08	111.70	KRUSE JCT	
CLe		70			********				8.59	s 6.09	3.15	11.11	115.11	MARYSVILLE 2.60 DELTA JCT	
CLS	•••••								9.05	8.16	3.21	11.17	117.71 117.78	DELTA JCT N. P. RY. CROSSING	WY
	78	85				*********			9.08	8.19	3.24	11.20	118.83	LONG SIDING	
1779 1760	Yard	277							≖ 9.16 ▲ 9.188a	s 6.30 A 8.32Pm		■ 11.25 ▲ 11.26km	121.57 122.88	EVERETT JCT	JN
				.37 20.02			.33 22.45	.83 92.45	8.03 40.12	4.22 28.02	3.02 40.84	3.01 40.56		Time Over Subdivision Average Speed Per Hour	
!				20.03	1		24.45	32.45	MI.VE	225,021	40.84	40.58		Average opeed For Hour	<u> </u>

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

Conditional dag stops—Nex. 358 and 359 stop on dag at Geenn Park,

SEE ADDITIONAL SPECIAL INSTRUCTIONS PAGES 7 THROUGH 18.

SECOND SUBDIVISION NORTHWARD										D 5			
Time Table No. 65	8		***************************************	FIF	ST CLA	S \$			THIRD	CLASS			
Effective October 17, 1954	Distance from Everett Janosion	104 C. N. 8	102 C.N.1	356	358	360	362		736 C. N. 807				SIGN4
STATIONS	Dista	Dally	Daily	Daily	Daily Ex. Sun.	Dally	Daily		Wod., Bat.				REDNWY
	1	<u> </u>				A 5.40m	A 9.55Pm						BYXOPZT
VANCOUVER	122,88		-	A 11.55					à 3.25fm				XJV
0,64 C. N. RY. JCT.	121.18		8.36						3.22			•••••	XA1
1.48 C STILL CREEK	119.65	I	8.33	11.48	1.50	5.34	9.50	*********	3.18				XP I
B. C. E. RY. CROSSING	117.81	. ,						*********				******	
S.12 ENDOY	112.69	6.35	8.18	11.37	1.39	5.23	9.41		3.01			•••••	P ZYXPV
2.01 SAPPERTON	110.68		8.14	11.33	1.36	5.20	9.38	** ** * * * * * * * * * * * * * * * * *	2.56				DNRIXPV
NEW WESTMINSTER	109.82	1	1	a 11.30	s 1.33	1	• 9.36		L 2.50h				117
FRASER RIVER JCT	108.84			11.22	1.24	5.10	9.29						P
ITOWNSEND	108.50			11.15	1.18 1.10	5.03 869 4.56	9,22 9.16						
	98.88	************		11.08			9.11						. P
CRESCENT BEACH	94.60	1		11.02	1 12,52 1 12,45	4.51 4.45	9.11. 4 9.04						DNXP
WHITE ROCK 2.58 INTERNATIONAL BORDER	89.68	1		a 10.56	1242	B 4.4.,	7.04						•••••••
INTERNATIONAL BORDER 0.45 BLAINE	86.86 86.86	1		10.44	■ 12.100m	4.35	s 8.56					ļ	DNXP
7.58	78.09	1		10,35	s 11.54	4.26	8.46					*************	P
5.58 FERNDALE	<u>ا</u>	-		10.29	s 11.45	4.20	8.40		[ļ	DNPK V2
FERNDALE 8.98 BELLINGHAM	VIOMATIG			1	• 11.32	4.10	8.30						KDNŽWPI
BELLINGHAM	6							<u> </u>					M
C.M.St.P.AP.R.R.CROS'GS	S 68.89												M
N. P. RY. CROSSING	62.57			10.12		4.03	8.22						XР
	61.48	1		9,56	t 11.17 t 11.01	3.47	8.06						P
8.80	51.50	1		9.50	1 10.55	3.43	7.55						P .
BOW	47.70				355 10.40	3.36	7.44					ļ	JRDNEZ BOWYXPM
T.38 BURLINGTON 8.97	40.87			9.46 9.41	s 10.40	3.30 3.32	7.38				 	.[DNXP
8.97 WT. VERNON 5.38	86.46 81.07	1		9.41	10.06	3.24	7.29					······	P
7.10 STANWGOD	38.9	1		9,29	a 10.00	3.18	7.23		<u> </u>				DNP
8,67 SILVANA		-		9,24	• 9.52	3.13	7.18		.[. 	P
SILVANA 8,95 ENGLISH	18.4	1		9.24	1 9.47	3.13 387 8.08	7.14						P
KRUSE JCT	10.6	1		9.17	9.43	3.05	7.10		.þ		•••••••	· ······	Db bla
MARYSVILLE	7.2			9.14	s 9.39	3,02	7.07	<u> </u>	<u> </u>			-	1
3.60	4.6	,		9.08	9.32	2.56	7.01				-		JDNIXXP
	4.6											1	IM P
LONG SIDING	3.5			9.05	9.29	2.54	6.59			1			DNPX
EVERETT	0.8	د ا		e 9.01	9.25	2.50	6.55 L 6.50h						IXPJ
EVERETT JCT	0.0	o 		L 8.584	L 9.10A	L 2.47h	0.500				<u> </u>	-	
Time Over Subdivision Average Speed Per Hous		:80 94.70	.82 23.15	2.57 41.48	4.50 25.82	2.58 42,44	8.05 89.68		21.17		<u> </u>		

Southward trains are superior to Northward trains of the same class. Conditional flag steps...Nos. 359 and 359 step on flag at Ocean Park.

No. 856 stops at Ferndale on Sunday.

SEE ADDITIONAL SPECIAL INSTRUCTIONS PAGES 7 THROUGH 18.

6 V	VES	TW	ARD		1	HIRD SUBDIVISION	EASTWARD				
		Car SECOND CLASS				Time Table No. 65				SECOND	CLASS
a pera		. 8	275	277	port	Effective October 17, 1954	Telegraph	Distance from Anacortes	SIGNS	278	276
Station Numbers	Elding	Other	Daily Except Sat. & Sun.	Daily Except Sat. & Sun.	Dirtanee f Rockport	STATIONS	Tolor	Dista		Daily Except Sat. & Sun.	Daily Except Sat. & Bun.
CN58	Yard	69		L 10.30Am	9.00	ROCKPORT	R.K	58.41	XWYYD	▲ 9.30Am	
CN44	85	1.58		= 1.30hm	9.18		BA	44,28	DX	• 8.30	
CN48	0	28		1 1.45	10.89	GRASSMERE		48.02	x	1 6.45	
CN38	0	86	ļ	f 2.15	15.44	BIRDSVIEW	ļ	87.97	.,,,,,,,,,	r 6.30	
CN88	Ð	80		t 2.35	20.67	HAMILTON		82.74	*******	t 6.10	*******
******				2.36	31.27	HAMILTON JCT	н	82.14	RBV	6.07	
CN29	0	8		1 2.50	28.90	2.88 LYMAN		29.51	••••	t 5.55	
CN28	0	5		1 3.05	29.88		ļ	24.06	•••••	r 5.35	
CN20	82	54		1 3.30	82.47	SEDRO-WOOLLEY	вw	20.94	DХ	£ 5.20	
			<i>.</i>		82.57	N. P. RY. CROSSING		20.84	M	· · · · · · · · · · · · · · · · · · ·	
OF88	Yard	258	£ 6,00Am	A 3.45Pm	87.23	BURLINGTON	BU	16.19	MJRDNOZ PKWXYZ	L 5.00Am	A 4.50pm
CNB	0	15	£ 6.25		44.18	whit ney		9.28			f 4.23
······			6.35		47.29	WHITMARSH JCT		6.12	RV		4.16
CNs	0	9	6.37	[.	47.80		WH	5.61			4.15
CNO	Yard	268	∆ 6.55Am		53.41	ANACORTES	AC	0.00	RDXBT		L 4.00pm
			.85 17.65	5.15 7.09		Time Over Subdivision Average Speed Per Hour				4,80 8,27	.50 19.48

Westward trains are superior to eastward trains of the same class except No. 278 is superior to No. 277. SEE ADDITIONAL SPECIAL INSTRUCTIONS PAGES 7 THROUGH 18.

SPECIAL INSTRUCTIONS

50 MPH

ALL SUBDIVISIONS

1. SPEED RESTRICTIONS GENERAL

(a) Where Automatic Block and Interlocking Rules and Signal Indications require movement at RESTRICTED SPEED, such movements must be made prepared to stop short of train, obstruction, or switch not properly lined and on the lookout for broken rail or anything that may require the speed of a train to be reduced; but not exceeding 15 MPH or as much slower as necessary; and where conditions require the movement must be controlled so stop can be made in time to avoid accident.

(b) Maximum permissible speed of passenger, freight and mixed trains, will be designated by distinctive reflectorized roadway signs set in an upward angle of 45 degrees.

Except as directly affected by speed restrictions prescribed in Item 1—ALL SUBDIVISIONS—and other speed restrictions covered by Item 2 under individual Subdivisions, the 45 degree signs designate zone speed territories and the numerals thereon indicate in miles per hour the maximum permissible speed which will govern until the next zone sign is reached.

When the movement is from a higher to a lower speed sone the zone sign is located approximately one mile from the point where the lower speed becomes effective. At the end of this one mile is located a reflectorized angular Restricting Sign, yellow background with black stripes, indicating the point where lower speed becomes effective. Lower speed to govern until entire train passes next zone sign.

When the movement is from a lower to a higher speed zone, the 45 degree sign is located at the point where speed may be

When operating against the current of traffic in double track prescribed by the 45 degree sign with the current of traffic. I does not modify Rule 93.

The 45 degree sign has two sets of figures. The numerals pre-ceded with letter "P" apply to passenger trains and letter "F" to freight and mixed trains.

(c) When passenger trains are handled by Diesel or Electric engines, the train will not exceed the maximum speed authorized by Speed Limit Plate on engine, and will be governed by the 45 degree signs where a lower speed is prescribed.

When freight cars, except cars equipped with steel wheels, air signal and steam heat lines, are handled in passenger trains, the train will not exceed maximum permissible speed for freight trains in the territory operated.

(d) Speed shown on Speed Limit Plate on engines must not be exceeded.

(e) Diesel and Electric engines light or with caboose

Trains handling, not in actual service, derricks, pile drivers, ditchers, cranes, shovels, Jordan spreaders, wedge plows, etc. 80 MPH On main lines Except on Six Degree Curves or sharper and on Branch Lines **15 MPH** Trains handling ore cars or air dump cars loaded with ore or gravel and scale test car on Main Lines except on 6 degree curves or sharper, and on Branch 80 MPH 20 MPH Unless conditions require a further speed restriction, trains or engines moving against the current of traffic on double track thru interlockings 15 MPH Trains or engines moving on main routes actuating points of spring switches
Trains or engines moving in facing point direction at spring switches without facing point lock
Trains or engines thru No. 20 turnouts at:

Cashmere, east siding switch.

Leavenworth, east and west siding switch.

Witten and and west siding switch. 25 MPH 85 MPH

Winton, east and west siding switch. Scenic, east and west siding switch. Skykomish, east siding switch. Gold Bar, east siding switch. Pacific Ave., west siding switch.

Interbay end of double track east and west end of yard, and yard lead at 28rd Ave. overhead bridge.

Stanwood, north and south siding switch. Mt. Vernon, south siding switch.
Bow, north and south siding switch.
Samish, north and south siding switch.
South Bellingham, north and south siding switch.
Still Creek, end of double track.

Endot, end of double track. Trains or engines thru No. 15 turnouts at: ______ 25 MPH Wenstchee, east and west crossover switch west end of yard. Merritt, east and west siding switch. Baring, east and west siding switch.

Monroe, east and west siding switch.
Snohomish, east and west siding switch.
Everett Jct., junction switch end of double track.
Trains or engines thru all other turnouts.

(f) Open cars loaded with poles, piling, lumber, timber, pipe or other lading which might shift, shall be handled as far as possible in pole trains or local trains. Except at points where it is necessary to classify trains, such cars should be placed as close as possible to the head end of the train but shall not be placed immediately next to engines or immediately next to engine or immediatel placed immediately next to engines, or immediately next to ca-boose, occupied outfit cars or passenger cars. These commodities must not be placed in trains at such locations as will conflict with the rules governing the handling of explosives, inflammables or

In double track territory, engineers on trains containing such cars must at all times use extreme care to avoid slack running in or out when passing or being passed by other trains.

On single track, trains containing such cars must be at stop when on siding or adjacent track when meeting or being passed by other trains, except when there are more cars than siding will hold, it is permissible for such train to pull by other train at restricted speed.

2. MOVEMENT OF ENGINES DEAD IN TRAINS.

Diesel and Gas-Electric engines 2302-2341 must be handled on rear of train.

Not more than four adjacent Diesel units are to be towed dead in a train in a single grouping. Additional groups should be separated by not less than five cars.

Trains handling steam engines with side rods on both sides will not exceed speed designated by Superintendent; and without side rods will not exceed 10 MPH.

Engines that have any of the truck or driving wheels removed will not be moved in a train without authority of Superintendent. Trains handling Electric, Diesel and Gas-Electric engines in tow dead in train will not exceed following speeds:

Engine Number	Maximum Spec
1 to 28, 75 to 170, 247 to 249, 253 to 259, 262, 263, 307 to 317, 400 to 474	50 MPH
175 to 232, 271 to 274, 276 to 279, 550 to 578	65 MPH
250, 251, 260, 261, 266 to 270, 275, 280, 281, 350 to 365, 500 to 512, 679, 680	75 MPH
2802 to 2824	60 MPH
5000 to 5008	45 MPH 55 MPH

- 3. Under Rule 24, engine number only will be displayed in indicators on engines so equipped. This will also apply when our engines are operating over Northern Pacific tracks. Between Klamath Falls and Chemult, Southern Pacific rules will govern.
- 4. When two or more Diesel or Electric engine units are coupled together the numerals and suffix letter, where provided, of the leading unit will be illuminated at all times when in service. The numerals and suffix letter of trailing units must not be illuminated.

The numerals and suffix letter of the leading unit only will be used in train orders as prescribed by Consolidated Code Rule

- Gas-Electric engines must not be fueled while occupied by passengers, or coupled to cars occupied by passengers.
- Air hose on Diesel and Electric engines must be hooked up in hose fastener when not in use.
- EMPLOYES WILL BE GOVERNED AS FOLLOWS ON EN-GINES, PASSENGER AND FREIGHT CARS EQUIPPED WITH ROLLER BEARINGS:

WITH ROLLER BEARINGS:
Roller bearing failures on cars or engines equipped with roller bearing journal boxes may be due to tack of oil or grease. If the box is not blazing, the oil plug in the cover should be removed and engine or valve oil added. Oil must never be added to a box that is blazing. Grease lubricated roller bearing boxes have grease plugs locked with metal strap which must be cut off with chisel before plug can be removed. After the oil has been added and plug replaced, the train should proceed at reduced speed and care exercised until it is apparent that the box will run cool. If fire develops in roller bearing box on any equipment, it must be closely watched, train moved slowly, and Superintendent notified from first available point of communication, who will prescribe for the movement.

Some engines and cars equipped with roller bearings have heat

communication, who will prescribe for the movement. Some engines and cars equipped with roller bearings have heat indicators or stench bombs inserted in the housing of boxes which release a strong pungent odor in the event of excessive journal box temperatures. When this odor is detected, train must be stopped at once and box located. Compare the temperature of this box with the other boxes on the same engine or car, check the oil level, and if there is no evidence of overheating, train may proceed, but if the box is overheating proceed only as instructed in the preceding paragraph.

Ore cars and covered houser cars assigned with roller bearings.

Ore cars and covered hopper cars equipped with roller bearings have the lettering "TIMKEN ROLLER BEARINGS" stencilled beneath the lettering "GREAT NORTHERN" on each side of the car.

Cars and engines equipped with roller bearings must not be allowed to stand alone, even on level track, without brakes being adequately applied.

8. COOLING AND STEAM BOILER WATERING FACILITIES FOR DIESEL ENGINES ARE PROVIDED AT THE FOLLOWING INTERMEDIATE STATIONS:

FIRST SUBDIVISION:

EVERETT Hose at Passenger station.

GOLD BAR Hose in cabinet in Freighthouse.

SKYKOMISH Hose at West end of depot.

SECOND SUBDIVISION:

EVERETT Hose at Passenger station.

BURLINGTON Hose at oil spout.

BELLINGHAM Hose at Round House.

- Under Rule 2, watches that have been examined and certified to by a designated inspector must be used by train dispatchers and yardmen.
- Brakemen with less than one year of experience should not be used as flagman except in emergency, and then Superintendent will be notified by wire.
- 11. When operating snow machines in non-block signal territory, no trains should be permitted to follow closer than a station apart; when that cannot be done, they will be blocked not less than thirty minutes apart.
- 12. After severe blizzard or dirt storm, employes on first train over road must exercise care to avoid accident caused by striking drifts without first having drifts faced with hand shovels, cutting in far enough to get beyond the hard snow and giving a perpendicular wall to strike against instead of slope or wedgelike shape. When operating snow dozer, conductor in charge will ride in the dozer. On snow and dirt dozers, every precaution must be taken to see that cage, flangers and wings clear all obstacles when in service and are properly secured when in thru trains, and dozers properly turned. Hand screws must be tightened to raise flanger on dozers as high as possible before making a back-up movement, and must not be released until the dozing

- work is actually to start. Hand screws holding the cage on dozers must be tightened or chains otherwise fastened, except when dozer has air in cylinders and is attended by an employe.
- 13. Loaded dump cars should not be handled on double track after dark, but if necessary to do so, close watch must be kept by trainmen and if a car dumps its load, train must be stopped and protection afforded on the opposite track.
- 14. Unless otherwise provided, when passenger trains are operated against the current of traffic on double track or through sidings, conductors shall notify Railway Postal Clerks, train shall stop at points where U. S. Mail is usually picked up and conductors are responsible for delivery of mail to Postal car.
- 15. Engineers finding flat spots on Diesel engines in excess of two and one-half inches will immediately notify Superintendent who will prescribe for their movement.
- 16. Conductors will report by wire all flat spots on wheels of passenger cars. Any cars having flat spots on wheels of more than two and one-half inches long must be set out.
- 17. Due to limited overhead clearance at tunnels and structures, employes are warned to keep off top of cars of extreme height and width when handled in trains and yards, also such standing cars in electrified zone, except in emergency. In absence of previous advice on such cars, wire proper officer for instructions.
- 18. The Railway Company is responsible for proper handling of perishable freight on road and at points where Western Fruit Express Company do not maintain representatives. Conductors on trains handling perishable freight will ascertain from waybills class of service required and light or extinguish heaters and manipulate vents in accordance with current instructions provided for handling perishable freight issued by the National Perishable Freight Committee.
- 19. Placarded loaded tank cars handled in through freight trains shall not be nearer than 6th car from engine, occupied caboose or passenger car.

Cars placarded "Explosives", "Inflammable", "Corrosive Liquids", or "Poison Gas" handled in through freight trains, local and mixed trains, shall not be nearer than 16th car from engine, occupied caboose or passenger car.

When length of train will not permit handling of cars as prescribed above—ANY PLACARDED CAR, loaded with above commodities—shall be placed near middle of train, but not nearer than 2nd car from engine, occupied caboose or passenger car.

When switching such cars in terminal yards they must be separated from engine by at least one non-placarded car.

When placarded cars described above are handled in freight trains made up in "blocks" or classifications, placarded car or cars shall be placed near middle of the "block" or classification, but not nearer than 6th car from engine, occupied caboose or passenger car.

When such placarded cars are placed in trains they must not be placed next to each other, next to refrigerators equipped with gas-burning heaters, stoves or lanterns, or next to loaded flat cars, or gondola cars containing lading higher than ends of car that is liable to shift.

Carload express shipments of explosives, sealed and placarded, may be handled on passenger trains; LCL shipments may be made in so-called peddler car with messenger in charge when such car is assigned to the handling of express and baggage exclusively.

Terminal or pick-up points enreute must furnish conductor and engineer Form 250 showing consecutively location in train of all cars placarded "Explosives". At points other than terminals where crews change, notice will be transferred from crew to crew.

Employes will be guided by further instructions governing handling of loaded tank cars, Explosives, Infiammables, Corrosive Liquids, and Poison Gas found in I.C.C. Regulations and Consolidated Code Rules 726(C) and 808.

- 20. In Automatic Block Signal territory, the absence of the lunar light on a spring switch signal, Rule 501 E, page 114, of the Consolidated Code, will not be regarded as an imperfectly displayed signal, as prescribed by Rule 27, when the Automatic Block Signal governing movement over such switch indicates "Proceed". This does not modify Rule D-524.
- 21. The normal position of a spring switch with facing point lock is identified by a color light type signal displaying a "lunar white" light for train or engine movements in a trailing point direction and for movements in facing point direction when conditions require.

The normal position of a spring switch without facing point lock is identified by a triangular yellow target on switch stand with letter "3" in black, and "lunar white" light in switch lamp in place of green light displayed in both directions thru or over the switch.

Trains departing from stations, either from siding or main track in trailing point movement actuating points of spring switches, a member of crew must observe indication of governing signal in opposite direction after rear end of train has passed thru switch to ascertain if switch points return to normal position. If this signal indicates Stop and no immediate train movement or other cause is evident report the fact to Superintendent from first available point of communication.

During and immediately following snow storms or violent wind storms, spring switches must be operated by hand and relined to normal position before heading out through switch in trailing point movement, actuating switch points, to insure switch is in proper operating condition.

INDICATORS AT SPRING SWITCHES.

Spring switch indicators consisting of a red and yellow light unit or a single yellow light unit (all units normally dark) mounted on an iron mast is located at the clearance point of a siding. The switch-key-controller mounted on the mast must be operated by a member of the crew who, together with engineer, must observe and be governed by its indication before fouling main track or making movement from siding to main track thru a spring switch in automatic signal territory, unless the movement is made immediately after an opposing train has passed the switch, and Automatic Signal at leaving end of siding indicates "Proceed."

H Indicator displays a yellow light when switch-key-controller is operated, train or engine movement to main track may be made immediately in accordance with train rights and operating rules. Display of yellow light must continue until leading wheels have passed clearance point.

If Indicator does not display a yellow light when switch-keycontroller is operated, train or engine movement to main track
may be made in accordance with train rights and operating
rules, after operating spring switch by hand; waiting three minutes and taking every precaution to provide proper protection.
To operate Switch Indicator, insert switch key in controller and
turn clockwise toward "R", hold a few seconds and remove key.
If yellow light is displayed and intended movement is not made,
insert switch key in controller and turn counter-clockwise
toward "N" to restore signal system to normal condition to
avoid delay to trains on main track.

Switch-key-controller must never be operated toward "N" after having been operated toward "R" if intended movement to main track is to be made.

- 22. Facing point locks on hand operated switches are indicated by a six inch yellow stripe painted on target staff. Be positive locking device is rectored to normal position after using. A running switch must not be made thru this type switch.
- 23. DRAGGING EQUIPMENT DETECTOR INDICATOR consists of a single white light unit (normally dark) with circular background mounted on signal or other mast. When white light is displayed, train must be stopped and inspected for dragging

equipment. Notify Superintendent from first available point of communication.

- 24. Rule 204(A) prescribes that copies of train orders will be furnished the rear trainman, such orders will only be furnished on trains designated: Nos. 1, 2, 8, 4, 7, 8, 9, 10, 29 and 80, and sections thereof; also extra passenger trains whether operated as section of regular train or as a passenger extra.
- 25. OSCILLATING EMERGENCY RED HEADLIGHT will be immediately displayed by day or night when a train is disabled or stopped suddenly by an emergency application of air brakes or when engineer or conductor find it necessary to stop train due to some defect which might cause accident, over-running clearance point at meeting and waiting point, end of double track or junction.

Engineer of an approaching train observing display of emergency red headlight must stop before passing and be governed by conditions existing. If operating on adjacent track, ascertain and if safe for passage, then proceed at restricted speed until train is passed.

OSCILLATING EMERGENCY RED REAR END LIGHT is of two types—Automatic Control—Portable Manual Control—and except as otherwise provided, must be displayed by day or night each time train stops or is running at speed less than 18 MPH. Automatic Control type automatically functions in this manner. However, when train running at speed above 18 MPH and moving under circumstances in which it might be overtaken by another train or engine and during foggy and stormy weather, light may be operated manually with emergency switch and employes to afford other protection prescribed by rule.

THE USE OF EMERGENCY RED HEADLIGHT AND REAR END LIGHT DOES NOT IN ANY WAY RELIEVE ENGINEMEN AND TRAINMEN FROM RESPONSIBILITY OF COMPLYING WITH RULES 99 AND 102.

Emergency red rear end light must be extinguished; when standing at origin and terminus stations of train run; when switching being performed from rear; when on siding to be passed by another train; and, when another train operating on adjacent track is approaching from rear, but not until it is known such train is not on same track.

Portable light must be removed before coupling to rear of such car.

Oscillating white light on engines will be displayed in addition to standard headlight governed by Rules 17 and 17(B). In case of headlight failure it can be used as emergency headlight or as a focus light by push button control if desired.

Enginemen and trainmen on trains and engines equipped with oscillating emergency red lights must familiarize themselves with the operation of the lights.

- 26. Rule D-97 is in effect on this Division.
- 27. Trains handling flat or skeleton cars loaded with logs will not exceed 10 M.P.H. passing over through-truss bridges or through tunnels. Thorough inspection of all cars of logs in train must be made at appropriate locations when train is stopped for meeting trains and other purposes, making certain train and lading are in safe condition before proceeding.

Trainmen must maintain watch behind their trains for logs that may have rolled off cars and if main track is fouled take prompt action to protect trains.

On double track, conductors must notify train dispatcher when logs are to be handled and the log train must be at stop when being passed by other trains, except that when two trains handling logs are passed either one should stop until the other train has pulled by whether on siding or double track.

On single track, trains handling logs must be at stop when meeting or being passed by passenger and freight trains, except when there are more cars than siding will hold, it is permissible for log train to pull by such trains at restricted speed.

10	
Unless conditions require further speed restrictions, trains han-	Tunnel No. 14.7-2.67 miles east of Berne.
dling logs must not exceed 25 MPH.	Length—674.5'. O. H. Clearance 22' to trolley wire.
No trains may pass under overhead railroad bridge at Snohomish when cars loaded with logs are passing over this bridge.	Tunnel No. 15 -Between Berne and Scenic.
28. GREAT NORTHERN BULLETINS ON TENANT LINES.	Length—41152'. O. H. Clearance 19' 8" to trolley wire.
NP Ry	Tunnel No. 16 -0.24 miles east of Everett.
CMG+DAD DD Franct Tosoma Enumelem	Length—2440'. Height—21.1'.
Canadian National Ry Port Hann. National Harbours Board RyVancouver, B. C.	Tunnel No. 17 -0.10 miles east of Seattle.
29. SP&S Ry bulletins at Interbay roundhouse, Interbay Yard of- fice and UD office, Seattle.	Length—5141.5'. Height—23.8'.
30. Red signs on frost boxes of water and oil tanks—in case of emergency, close large valve in frost box.	Second Subdivision: Tunnel No. 18 —0.38 miles north of Samish.
81. EMERGENCY TELEPHONES.	Length—1118', Height—21,2',
Leavenworth, west switch Booth Tunnel 18.5, east end Booth	Tunnel No. 19 —4 miles south of So. Bellingham.
Winton, west switchBooth	Length—141.8'. Height—20.5'.
Transl 14.7 one-half mile east	Tunnel No. 20 —8.70 miles south of So. Bellingham
Berne, east switch Booth Cascade Tunnel No. 15 In each refuge bay, except	Length328.5'. Height20.85'.
Scenic, west switch Booth East end Bridge 407 Booth	Tunnel No. 21 —1 mile south of So. Bellingham.
East end Bridge 407	Length718.2'. Height20.9'.
I Skykomish east switch crossover Booth	
Grotto, west switch Booth Halford Quarry Booth	
Halford Quarry Booth Reiter, 2 miles east Watchman's Cabin	
Reiter, Gravel pit Booth Gold Bar, west switch Booth	FIRST SUBDIVISION
li Manuas acet switch Honth	(Main Line)
Snohomiah, east end Br. 455 Booth Pacific Ave., west switch Booth	1. MAXIMUM PERMISSIBLE SPEED FOR TRAINS.
Everett Tunnel No. 16, east end Booth Everett Jct Booth	BetweenPassenger Freight
Everett Jct. Booth Crossover, MP 24.29 Booth MP 15, Standard Oil Spur Booth	Wenatchee and Cashmere 45 MPH 45 MPH Cashmere and Peshastin 50 MPH 50 MPH
MP 11.5Booth	Peshastin and Winton 55 MPH 50 MPH Winton and Merritt 50 MPH 50 MPH
MP 9.5 Booth Ballard, crossover Booth	Merritt and Skykomish 30 MPH 20 MPH
Interhay yard, east end Booth	Skykomish and Baring 50 MPH 50 MPH Baring and 2 Miles East of Gold Bar 35 MPH 25 MPH 2 Miles East of Gold Bar and Everett 79 MPH 50 MPH
Between Delta Jct. and wye Booth Bridge 11 Watchman Cabin	2 Miles East of Gold Bar and Everett 79 MPH 50 MPH
Kruse Jct. Booth Belleville Pit, switch Booth	Everett and Seattle 60 MPH 50 MPH
ll MP 76 Booth	2. SPEED RESTRICTIONS.
MP 86 Watchman Cabir. Samish Booth	Snohomish, train 4 passing depot 35 MPH
Sockeye, highway crossing Booth So. Bellingham Booth	Interbay, over NP Ry crossing 15 MPH Seattle, thru turnouts South Portal 10 MPH
No. Bellingham, cement spurBooth	Seattle, over public crossings 20 MPH Between Home Signals of Interlockings at 20 MPH
Custer, south switch Booth MP 125 Booth	Everett Jct.
Brownsville Brownsville Booth	(Everett Jct.
Fraser Mill Spur Booth Sapperton Switchman's Shanty	8. ENGINE RESTRICTIONS ON INDUSTRY TRACKS.
Dominion bridge Booth Endot Booth	W-1 class electric locomotives 5018-5019 not permitted on wye
Still Creek	at Skykomiah.
B. I. Jet. Booth	4. TRAIN REGISTER EXCEPTIONS.
82. LOCATION OF TUNNELS First Subdivision:	Appleyard, register is for second and inferior class trains. Wenatchee, register is for first class trains and passenger extras.
Tunnel No. 18 —2 miles west of Chumstick.	Monroe, register only for CMStP&P RR trains.
Length-2601'. O. H. Clearance 19' 2" to trolley wire.	Snohomish, register only for NP Ry trains and eastward NP Ry trains register by ticket.
Tunnel No. 18.5—4.7 miles west of Chumstick.	Lowell, NP Jct., register only for NP Ry and CMStP&P RR
Length—788'. O. H. Clearance 19' to trolley wire.	trains. Interbay, first class trains register by ticket.
Tunnel No. 14 —1.08 miles east of Winton.	Interbay, engineers and conductors of trains originating which
Length—4059.4'. O. H. Clearance 19' 11" to trolley wire.	operate over joint track south of Seattle must register at yard office and show number of last bulletin issued by NP and GN.
O. H. Clearance IV II W wolley with.	THE TANK OF THE PARTY OF THE PA

Live .

- 5. CLEARANCE PROVISIONS AND EXCEPTIONS RULE 83(B). At Everett Jct., trains for which this point is initial station may proceed on authority of clearance under which such trains
- 6: IN ELECTRIFIED ZONE, APPLEYARD TO SKYKOMISH. Power transmission line carries 44,000 volts. Signal transmission line carries 13,200 volts. Trolley line carries 11,500 volts.

All wires must be considered energized unless a clearance has been obtained from the operator at Skykomish substation.

Telegraph and telephone wires are not located along right-of-way. Never attempt to connect field telephone apparatus to any wires located along right-of-way in this zone.

"Trolley Dead-end" signs are placed on cross span over each of the four tracks leading into Electric Shop at Appleyard and at West end of Skykomish yard and Skykomish motor shed track.

RICTED OVERHEAD CLEARANCES.

The trolley wires in the open sections provide a clearance of 21 feet to 24 feet above top of rail.

At the following locations the overhead clearance of trolley wire is restricted to 19 feet:

Columbia River Bridge between Appleyard and Wenatchee. Overhead bridge 1/2 mile west of Cashmere.

Bridge 370, 1 mile east of Dryden.

Tunnel No. 18, 2 miles west of Chumstick.

Tunnel No. 18, 5.2 miles east of Winton.

Tunnel No. 14, 1 mile east of Winton.

Cascade Tunnel No. 15, between Berne-Scenic.

Employes must keep off the top of cars and engines on electrified tracks, except in emergency, and then must use extreme care

Snohomish, NP overhead bridge ...

.....19′ 0′

Skykomish, targets on roundhouse switch stands will not clear man riding on side of cars or engines.

Seattle, overhead bridge between Washington and Main Sts.....19' 4" overhead bridge between Third and Fourth

- Between Appleyard and Wenatchee, eastward First Subdivision freight trains will use main track, westward freight trains will use lead track entering main track at crossover just west of passenger station, Wenatchee, or Olds crossover, unless otherwise instructed by Yardmaster.
- Appleyard, Yard lead switch and crossovers main track to yard lead are located as follows:

#1 switch designating the east lead—200 ft. west of Br. 361. #2 crossover switch—100 feet west of MP 1647. #3 crossover switch—at culvert 1647.60.

Wenatchee:

enatchee:
#1 crossover, one mile east of depot.
#2 crossover, 800 ft. east of depot.
#3 crossover, 670 ft. west of depot.
#4 crossover, 685 ft. west of depot.
#5 crossover, Fifth St., one mile west of depot.
Olds crossover, 8 miles west of depot.
Crossovers 1, 2 and 4 are trailing point, and 8, 5 and Olds are facing point for eastward trains.

Wenatchee, westward trains moving from W-O Line lead to First Subdivision and required to wait for westward trains on First Subdivision shall stop east of sign reading "Wait Here". For further details and push button operation see instructions posted in iron box locked with switch lock.

- Between Appleyard and Skykomish where helper engines are cut in copies of train orders must be furnished helper engines.
- Cashmere, Monroe, Snohomish and Edmonds, crossing signals are equipped with switch-key controllers. Trains or engines within circuit may clear signals for highway traffic by inserting switch key in controller and turn to right. Crossing signals must be restored to normal operating condition before leaving.
- 12. Winton, Berne, Scenic, electric knife switches located in depot provide manual control of signals at these locations so that signals can be set to display Stop-indication in case any defect is discovered while trains are passing depots. Trains stopped by any of these three signals will not proceed until instructed by trainmen to do so. Knife switches are connected to westward automatic block signal at west switch, Scenic and Winton, and to eastward automatic block signal at east switch, Berne. Berne, two rail clamps have been placed in depot for emergency use. When necessary to set out bad order car on siding at Berne, train crew must get clamps from depot and see they at Berne, train crew must get clamps from depot and see they are properly secured and blocked to rail on east end of car. Crew that picks up bad order car see clamps are removed and replaced in depot.
- Cascade tunnel, track between Berne and Scenic is controlled by positive block in both directions. When stopped by a Stop-indication at automatic block signal located near entrance to tunnel, train must not proceed unless authorized by train order to do so. In case of loss of power or other emergency, a train in the tunnel may make a forward or backward movement to Scenic or Berne without flag protection and may pass signals indicating Stop and proceed at restricted speed without stopping. Westward trains encountering Signal 1707.9 inside west portal displaying Stop-indication must not pass west portal until it is known track is clear to east switch Scenic.
- 14. Scenic, water tank 8 miles west.
- 15. Skykomish unless otherwise directed, extension on east end of siding for use only by eastward trains and in no case will train or cars be left on this extension without engine coupled and air brakes operative.
- 16. Baring, water tank 1.26 miles west
- Between NP Jct. and Delta (freight yard) 8.26 miles west, trains and engines will be governed by NP Ry time-table and Special Instructions.
- Interbay-main track is a single track between 700 ft. east of NP Ry crossing and 4000 ft. west of bridge 4, Ballard. Each end of this single track is equipped with a spring switch, normal position is for trains entering double track.

 When an eastward movement is to be made from yard lead to main track, trainmen shall operate push button "R" at signal 4.8. If no conflicting movement is being made on main track and spring switch is in proper operating condition, signal 4.8 will indicate proceed after a time interval of three minutes. After push button "R" is operated a white light will be displayed if operation is effective.

 Weetweet freight trains will enter yard at the connection from

Westward freight trains will enter yard at the connection from westward main track at east end of yard unless otherwise instructed by yardmaster. Trains or engines must stop east of signal 5.8 and not proceed until trainmen have lined switch to

enter vard

Interbay—Switch indicators consisting of single yellow light units (normally dark) and switch key controllers mounted on iron masts located at clearance points of roundhouse lead switch and at yard switch just north of Dravus Street Bridge must be operated by a member of the crew, who, together with the engineer, must observe and be governed by its indication before fouling or making a movement to the main track. Interbay-Westward Dwarf Signal 5.5. of color light type located between Eastward and Westward main tracks East End Interbay-Westward trains and order to the main tracks.

yard governing Westward train and engine movements is controlled from Interlocking Bridge No. 4, Ballard, Washington. When train or engine is stopped by the Stop Indication of this signal, Signalman, Bridge No. 4, must be informed of desire to

clear signal for Westward movement by three operations of push button located on side of signal case South side of Eastward track opposite the dwarf signal.

SEATTLE, KING STREET PASSENGER STATION TUNNEL

- 1. King Street Passenger Station Tunnel Rules shall consist of Great Northern Interlocking Rules as set forth in the Consolidated Code of Operating Rules and General Instructions, supplemented by the following special instructions, and will govern train and engine movements between North Portal and South
- 2. A positive block is maintained in both directions between these stations. Trains and engines may make a forward or backward movement within these limits without flag protection, observing governing signal indications.
- 8. No train or engine will make a complete through movement between North Portal and South Portal against the current of traffic, or pass the governing home signal at the immediate entrance to the tunnel on either track displaying a "Stop" indication, except on the authority of a "Tunnel Card" properly completed by signalman in charge and OK'd by the Signalman at opposite station. When this governing home signal indicates "Stop", trains and engines, after stopping, must proceed at restricted speed to the next signal and be governed by its indication.
- 4. Tunnel Cards shall be used as required: Form 26 for train and engine movements from North Portal to South Portal, and Form 26-A for train and engine movements from South Portal to North Portal.
- 5. "Tunnel Card" does not dispense with the observance of or compliance with the indications of southward home signals at the South end of the tunnel governing entrance to the South Portal Interlocking or the northward home signals governing entrance to the North Portal Interlocking.
- 6. At South Portal, trains and engines may enter the tunnel on either track for short switching movements if required. If the governing home signal at the immediate entrance to the tunnel displays a Stop-indication, a Tunnel Card must first be secured, as prescribed by Rule 3.

as prescribed by Rule 3.

7. Interlocking signal located at the north entrance of the tunnel, controlled from South Portal, and governing southward train and engine movements on the Southward track, displays indications in accordance with Great Northern Rules 601-A, 601-C and 601-D.

Green over Red (Rule 601-C) displayed indicates route through South Portal Interlocking to southward main track (Tunnel track 4) properly lined.

Red over Yellow (Rule 601-D) displayed indicates diverging route through South Portal Interlocking properly lined.

These indications repeat the indications of the dwarf signal of color light type located at the south exit of the tunnel, governing southward train and engine movements to Southward main track (Tunnel track 4) and other tracks of King Street Passenger Station. Emergencies may arise which may cause a change in the indications of this dwarf signal after southward train or engine has entered the tunnel and enginemen and trainmen must be on the alert to observe such change which will be men must be on the alert to observe such change which will be indicated by the display of a yellow light at the special approach signal located in the tunnel about 1200 feet from the south exit.

- 8. The maximum permissible speeds between North Portal and South Portal for all trains and engines are: 20 MPH moving with the current of traffic, and 10 MPH moving against the current of traffic.
- 9. Operating directions are: "North" from south end of King Street Station through South Portal to North Portal, and "South" from North Portal through South Portal to south end of King Street Station.
- 10. Dwarf signal of color light type, located between northward and southward main tracks, south end of King Street Station governing northward train and engine movements on southward main track (Tunnel track 4) is controlled from South Portal Interlocking.

When Red is displayed, Great Northern Rule 601-A governs.

When Yellow is displayed, Great Northern Rule 601-E governs. When a train or engine is stopped by the Stop-indication of this signal, Signalman must be informed of desire to make the northward movement on southward main track (Tunnel track 4) by four operations of the push button located on top of the signal,

Seattle, train, yard and engine movements between GN freight yard and 5th Avenue tracks will be made via NP and UP main track Oregon Street connection and their time-tables and Special Instructions will govern.

21. SPEED TEST BOARDS

Engineers shall test speed of their trains passing following points as compared with Speed Table:

Westward, Between MP 1779 and MP 1780 approximately 2 miles west of Snohomish.

Eastward, Between MP 11 and MP 12 approximately 4 miles east of Ballard.

Between MP 1779 and MP 1780 approximately 2 miles west of

Snohomish.

22. CROSSOVERS ON DOUBLE TRACK.

Facing Point. MP 7.36 just east of Ballard. MP 28.5 front of depot Mukilteo.

Trailing Point.
MP 14.5, ¼ mile west of Richmond Beach.
MP 15, Standard Oil Spur ¾ mile east of Richmond Beach.

Beach.
MP 17.92 just east of Edmonds.
MP 24.29 between Meadowdale
and Mukilteo.
MP 29.21 at Mukilteo.
MP 81.88 GN oil spur, 1 mile
west of Everett Jct.

SPRING SWITCHES WITH FACING POINT LOCK. Wanatahaa Alda exagrayan (Commentian to W.A Line) and

11 CHRYCHER OTHE CLASSIANT (CONTROCHANT OR 11-0 THIRD) SAME WITH
west crossover switches.
Cashmereeast and west siding switch.
Leavenwortheast and west siding switch.
Wintoneast and west siding switch.
Merritteast and west siding switch.
Skykomiaheast and west siding switch.
Baringeast and west siding switch.
Gold Bareast and west siding switch.
Monroeeast and west siding switch.
Snohomisheast and west siding switch.
Interbayvard lead switch near 28rd Avenue overhead
bridge.
Normal position is for main track.
Interbayeast end double track.
Normal position is for eastward main track,
Interbaywest end double track.
Normal position is for westward main track.

24. DRAGGING EQUIPMENT DETECTOR INDICATORS.

Item 25, page 10, will govern use of these indicators, except at Berne and Scenic which are governed by item 25 below:

Westward, On cable post 800 ft. east of MP 7 near Ballard.

On cable post 300 ft. east of MP 7 near Ballard.
On cable post approximately 1100 ft.
East of MP 1774, 1½ miles East of Snohomish.
On Post MP 1663.99 approximately 8100 ft. west of Signals 1662.7 and 1662.8 about 2½ miles east of Dryden.
On signal 1696.3 approximately 3½ miles west of Merritt.
On Iron masts at Turntable Switch—Berne.
On Tunnel Wall 1728 ft. west of East Portal Tunnel 15—Berne.
On Trolley Pole 1723.36, 2550 ft. east of Bridge 406.
On signal 1725.5, 2900 ft. east of Bridge 412.
On cable post approximately 4 miles west of Baring.
On cable post just east of Index.
Eastward.

Eastward,
On cable post 250 ft. west of MP 6 near Bailard.
On cable post approximately 100 ft. west of Snohomish Junction switch.

On cable post approximately 2 % miles east of Index.

On signal 1742.0 approximately 2 miles west of Baring.
On Trolley Pole 1728.66, 2100 ft. west of Bridge 418.
On Trolley Pole 1725.20, 2150 ft. west of Bridge 408.
On Tunnel Wall 1616 ft. east of West Portal Tunnel 15—Scenic.
On Tunnel Wall 4916 ft. east of West Portal Tunnel 15—Scenic.

On cable post approximately 1 mile east of Berne.
On signal 1693.2 just west of Merritt.
On Mast at Signal 1667.0 approximately one mile west of Dryden.

25. Berne and Scenic-Dragging Equipment Detectors located as indicated in Item 24 were installed for the purpose of inspection of freight trains entering tunnel either eastward or westward. In order to do this, swing brakeman will be required to ride on head end of Eastward train out of Skykomish and get off at the depot, Scenic, and engineer will pull by slowly so he can look over entire train. If anything is found wrong he can open the light control switch located in depot and engineer will stop the train and not move until he gets proper signal from the train man.

Westward movements, swing brakeman will arrange to ride head end of train out of Merritt, get off at depot Berne, and inspect train as it pulls by slowly. The light control switch, located in depot, can be opened and train stopped at the signals.

special Red slide fence light is placed 40 feet from the West Portal of Cascade tunnel, Scenic, to give indication for Westward trains when necessary. This signal will not show light unless there is slide-fence operation between West Portal of the tunnel and East siding switch.

If this signal shows Red indication, trains must stop and not pass until they send flagman ahead to see whether or not main track is blocked by slide, and make report promptly of the condition.

condition.

MANUAL INTERLOCKINGS.

Ballard, Br. 4 Salmon Bay drawbridge. North Portal-South Portal King Street tunnel and terminal

MANUAL INTERLOCKINGS WITH DUAL CONTROL SWITCHES.

East and west siding switch.
West siding switch.
End of double track junction with Scenic . Everett--Pacific Ave. Everett Jct .. 2nd Subdivision single track be-tween these stations.

Interbay-East Roundhouse Lead Switch.

Scenic, switches electrically controlled by operator at depot. Eastward home signals at east switch equipped with Red Marker Disc and "Positive Block" sign, Item 13 of this Subdivision governs in addition to Interlocking Rules.

Home signal governing eastward movements on main track at east siding switch is located to left of main track.

Home signal governing westward movements from siding to main track at west siding switch is located to left of siding. Everett, interlocking electrically controlled by operator at depot.

The Home Signal Limits (Rule 605) of this interlocking extend from westward home signal for west siding switch at Pacific Ave. to Eastward home signals for end of double track and junction switches Everett Jct.

Trains and engines receiving a proceed indication of home signal governing entrance to these "Home Signal Limits" at either Pacific Ave. or Everett Jct. may proceed, regardless of class, in accordance with Rule 605. A Positive Block is maintained in both directions within the "Home Signal Limits" and Rule 670 does not apply.

Trains and engines may make forward or backward movements within these home signal limits without flag protection, observing all governing signal indications. When stopped by a Stop-indication of the governing home signal at entrance to home signal limits at either Pacific Ave. or Everett Jct., trains and engines may proceed only when a change in the governing home signal indication permits or when authorized by train order.

AUTOMATIC INTERLOCKINGS. Interbay ..

...NP Ry crossing.

29. INSTRUCTIONS GOVERNING OPERATION OF TRAINS IN ELECTRIFIED TERRITORY.

Between Peshastin and 1 mile east of east switch, Leavenworth, between Peshastin and I mile east or east switch, Leavenworth, between 1 mile west of west switch, Leavenworth, and Winton tunnel, when, for any reason, single trains in excess of \$500 tons with three General Electric engines coupled on the head end are stopped on heavy grade specified above will double their trains into either Leavenworth or Winton and will not attempt to start train on Chumstick Line to avoid damage to equipment and excessive delays. When believe engine is expected on fraight to start train on Chumstick Line to avoid damage to equipment and excessive delays. When helper engine is operated on freight trains, conductors must see that helper engine is cut into train so that not more than rated tonnage of the helper engine will be trailing. When train does not have full tonnage for all of the engines, tonnage in the train must be prorated between the train engine and the helper engine.

When necessary to make a backup movement on ascending mountain grade sufficient hand brakes must be set on rear end to hold up the slack; then when ready to proceed ahead, hand brakes must be released starting from the rear car first and working toward the head end of train so the slack will run out gradually and avoid break-in-two.

Engineers, when practicable, must operate helper engines from controls on the right side.

Between Skykomish and Wenatchee, in handling trains of 5000 tons or over, see that 15 heavily constructed cars with large A.A.R. drawbars and heavy draft rigging are placed next behind engines with the heavy drawbar pull.

Helper engines on eastward tonnage trains will drop their re-generation load at 20 MPH at foot of 2.2 grade, Merritt, and pick it up again starting down Winton Hill and will drop their regeneration load at 20 MPH when stopping at Dryden to cut out helper.

Westward helper engines will not assist train engineer thru regeneration in making final stop at Skykomiah.

Holding capacity of each unit in regeneration as follows:

1.6% grade 1900 tons 4500 tons 2.2% grade 1400 tons 5010-5017 5018-5019 2800 tons 5000-5008 1250 tons 1750 tons Tonnage rating of electric engines on 2.2 grade: 5010-5017 1000 5018-5019 1900 1000 tons per unit, 1900 tons per unit, 750 tons per unit.

Steam derricks, ditchers, and other roadway machines must not be worked within 200 ft. of tunnel portals within the electrified territory unless power is turned off on the trolley line.

Arrangements for handling of the power shall be made with Electrical Superintendent or his representatives.

General Electric engines 5010 to 5017 inclusive, operating between Appleyard and Skykomish, are equipped with high voltage connectors at the top of each end of cabs so that when engines are coupled together these connectors contact each other. These connectors are painted red, and when any pantagraph of a coupled number of these units is in contact with the trolley wire all of these connectors are energized.

wire, all of these connectors are energized.

Do not come in contact with these connectors.

Diesel freight engines, 5400 H.P., have the following tonnage ratings:

5000-5008

2.2 grades, 2000 trailing tons. 1.6 grades, 8000 trailing tons. 1.0 grades, 4800 trailing tons.

These 5400 H.P. diesel engines will handle 2000 tons, Skykomish to Berne, in helper service and the same combination of electric engines should be operated thru Skykomish to Berne. Diesel engines will handle 1500 tons single thru Cascade tunnel

The electric holding brakes on these engines will hold at approximately 17 MPH the same tonnage on a descending grade that the engine will pull up the grade at continuous tractive effort. That is, the regenerative brake on these engines will hold 2000 tons on a 2.2 grade, 3000 tons on a 1.6 grade and 4800 tons on a 1.6 grade at approximately 17 MPH. At either a higher or lower speed than this, the engines will handle less than this maximum tonnage. On the 2.2 grade, diesel engines

1.

Bellingham and Blaine 70 MPH
Blaine and Fraser River Bridge 65 MPH should be cut into the train approximately 1800 tons from the should be cut into the train approximately 1800 tons from the rear end which is the tonnage the diesel engines can hold with the electric brake at from approximately 15 to 20 MPH. This brake was not designed as a stopping brake, but is primarily for holding trains on long grades and engineers in the electrified territory must not expect diesel engine holding brake to have the capacity for slowing down heavy freight trains that the electric engines have.

Diesel engines must not be cut in sheed of the electric conductions. Fraser River Bridge and Vancouver 55 MPH SPEED RESTRICTIONS. report Rand Margitt California 94th St. Crossings Diesel engines must not be cut in shead of the electric engines Engineers on diesel engines will not use any power to push train at any point from Berne to Appleyard, except when stop is made at Winton, and then only to get the train started at speed of 10 MPH. helper, must stop before passing automatic block signal 1731.8, east of east switch, before proceeding into yard regardless of signal indication. signal indication.

Diesel engines, 5400 H.P., operated on eastward freight trains thru Cascade tunnel will be governed as follows: 1. Engage both cooling fans on all four units of the diesel leaving Skykomish and control the engine cooling water temperatures between 155 and 165 degrees by proper shutter regu-2. When diesel engine passes Scenic depot, open all four radiator shutters on the two rear units wide open. When diesel engine enters tunnel, reduce throttle to No. 6
position and operate diesel engine thru tunnel in No. 6 throttle. 4. Regulate water temperature on the two leading cabs with the radiator shutters to maintain a water temperature of hetween 155 and 165 degrees. tween 100 and 100 degrees.

5. Hot engine alarms are set at 195 degrees and should the hot engine alarm sound on either of the two rear cabs, isolate the unit with high temperature and handle train on three units thru tunnel. Place the unit back on the line after water temperature is reduced to normal and check water level in engine cooling water tanks. Should the water level fall below minimum level as indicated in the water glass, shut engine down. level as indicated in the water glass, shut engine down.

6. If, for any reason, eastward trains being handled or helped by diesel engines are stopped in tunnel, diesel engines must be closed down and members of crew on both head end and rear end of train must communicate with each other on telephones located in each bay of the tunnel and have a thorough understanding with entire crew whether train will be backed out of tunnel or doubled out to Berne. If backed out to Scenic, train must be stopped before passing east siding switch and not back down main track unless protected by train order or flagman, or backing in on siding, it must be known siding is clear. In making these moves definite understanding must be had with all members of the crew as to what is to be done to avoid accident. 7. Report maximum engine water temperature reached in tunnel each trip on the engineer's work report on arrival at Apple-Skykomish, Spring switch indicator located at clearance point of east switch of extension to eastward siding is connected with a repeat indicator at crossover near signal 1781.4. These indicators govern train and engine movements through spring switch at east end of siding extension. This repeat indicator must not be operated, except when train rights and operating rules permit movement through eastward siding extension without stopping at clearance point of east switch. A yellow light displayed on repeat indicator does not authorize movement beyond switch indicator at clearance point of east switch which indicator must also display yellow light for antiquent may remain the same results. Street near old Bloedel-Donovan Mill site, bring their set-out to yard and move pick-up back to train. Southward freight trains leave train north of "F" Street crossing. When necessary to take siding at Bellingham, crossing at "C" and "F" Street will have to be cut. Under no circumstances will any crossing be blocked for more than five minutes. Blaine-White Rock, trains will not pass International Border without permission of Customs and Immigration Inspectors. continuous movement.

SECOND SUBDIVISION

(Vancouver Line)

MAXIMUM	PERMISSI	BLE SPEED	FOR 1	KAINS.	
Between			1	Passenger	Freight
Everett Jet.	and Samish			79 MPH	50 MPH 80 MPH
Samish and	Bellingham			an mr.m	00 mr

	Everett, Bond, Hewitt, California, 24th St. Crossings 25 MPH South Beilingham, NP Ry. Crossing 10 MPH Bellingham, over street crossings 10 MPH Bellingham, over CMStP&P RR Crossings 10 MPH MPH
	Bouth Bellingham, NP Ry. Crossing
	Dellingham, over street crossings 10 MPH
	North Wye Switch, Fraser River Bridge 4 MPH Over Front and Columbia St. Crossings 10 MPH OWNER CONTROL OF COUNTY OF THE PROPERTY OF THE PROPER
	Over Front and Columbia St. Crossings 10 MPH
	Vanaanvar Koppera injar ijek lipuxing, fuweli iju U All 🕮 i
	Vancouver Jet, through turn-out when entering or
	Vancouver Jet., through turn-out when entering or leaving CNR Passenger Station lead
	ENGINE RESTRICTIONS.
•	Engines must not enter train shed of Continental Can Co
	Endot.
	TRAIN REGISTER EXCEPTIONS.
٠	Vancouver, Vancouver Jct. C.N. Jct., trains arriving will register
	in G. N. train order office at Vancouver.
	Now Wastminister, all trains register by ticket.
	Duvlington and Sub Div trains may register by ticket.
	Delta, register only for trains originating and terminating.
	CLEARANCE PROVISIONS AND EXCEPTIONS RULE 83(B).
	Everett Jct., trains for which this point is initial station may
	proceed on authority of clearance under which such trains arrive.
١.	RESTRICTED CLEARANCES.
	The following overhead wires crossing our track do not have standard clearance of 27 ft. from top of rail:
	Standard clearance of 2, it from top of int.
	Delta, south wye switch 26' Marysville, industry track 23'
	Stanwood house track and industry track 24
	We Tawlish I swhoe fin enny l X mile south 20
	Mt. Vernon, Union Oil Co. spur 25' 10" Burlington, Carnation Milk Co. spur 25' 6"
	Burlington, Carnation Milk Co. spur 25' 6"
	Vencouver, Hastings Mt. Viaduct
	Timb waltens alastric wires on Everer River bridge, B. U. Elec.
	RR, and Powell St. in Vancouver, B. C., will not clear man on
	top of cars. Train and engine men must keep off top of cars and engines while passing under these wires except in emergency
	and engines while passing under these whos except in energency and then use extreme caution. Clearance from top of rail as
	follows:
	Now Westminster, Freger River Bridge
	B. C. Elec. RR Crossing 20' 5" Powell St.—Vancouver, B. C. BI Line 20' 5"
	Powell St. Vancouver, B. C. BI Line 20' 5"
	Main St., Vancouver, B. C. 19' 6"
	The total and the second second or against in front
	New Westminster, retaining wall Front Street crossing in front of penitentiary will not clear man on side of car or engine.
7	Talks (decisible Wood) located 1.68 miles south of Delta Jct. is
7.	provided with: Standard Clock, Bulletins, Train Register, Water,
	provided with: Standard Clock, Bulletins, Train Register, Water, Oil, Wye, Track Scale, Turntable.
_	
8.	as prescribed by Rule 103.
	as prescribed by Muse Loss.
9.	Bellingham, northward freight trains leave train south of Pine Street near old Bloedel-Donovan Mill site, bring their set-out to

White Rock, between 2 miles south and Ocean Park, from May 15 to September 15, engineers will sound engine whistle frequently and bell must be rung continuously.

Still Creek, northward trains having wait or meet orders to fulfill
at this point, or when governing home signal indicates "stop",
train will stand south of Renfrew Street Crossing until through

50 MPH

50 MPH 50 MPH

25 MPH

movement can be made to clear Grandview Highway, 13th Avenue to avoid circuit operating signals at this crossing.

13. B. C. Electric crossing, southward trains which are to switch B. C. Electric crossing, southward trains which are to switch Vancouver Steel Company spur must proceed until rear of train is south of the northward home signals before cutting off to prevent interference with B. C. Electric train movements and trainman must operate switch key controller (located on iron mast at south switch of crossover) to clear crossing signals for traffic on Douglas Avenue and must also operate switch key controller (located on iron mast near Vancouver Steel Company's spur switch) to prevent interference with B. C. Electric train movements.

Train man of southward trains standing north of Dominion Bridge crossover switch must operate push button (located on iron mast north of crossover switch) to prevent interference with B. C. Electric train movements thru interlocking.

Instructions for operation of these push buttons and key controller are posted in box at each location.

- 14. Sapperton, push buttons and instructions for their operation are located in iron box locked with a switch lock near south wye switch and north siding switch for control of wigwag signals at Brunette Street crossing. Care must be exercised in the use of push button control to avoid unnecessary operation of crossing signals during switching mayarants. signals during switching movements.
- At Sperling Avenue Highway and at Renfrew St. crossings between Endot and Still Creek, and at 23rd St. crossing, Everett, crossing signals are equipped with switch key controllers. Train or engines within circuit may clear signals for highway traffic by inserting switch key in controller and turning as directed by instructions posted in the box. Crossing signals must be restored to normal operating condition before leaving.
- Vancouver, National Harbours Board Railway operate jointly with GN Ry over Great Northern tracks between Water Front and connection with GN main track north of the roundhouse; also between north leg of wye from main track switch and connection with Canadian National Railway in the Great Northern South Yard, all of which is located within yard limits of Vancaucus

Telephones for City and train dispatcher are located in booth near Great Northern main track connection. There is also a City Telephone and train register in the National Harbours Board yard office.

Movements in both directions over the Burrard Injet line must be recorded in train register.

Before movement is made over Burrard Inlet line in either direction, yard foreman or engineer will communicate with the yard office of the National Harbours Board Railway to ascertain if it is safe to proceed; air brakes must be cut in and operative on all engines and cars; the engine must be on the leading end of the cars at all times in making this movement.

Speed restrictions:

8 MPH over Georgia, Kiefer, Pender and Cordova Streets.
10 MPH over Union Street on northward movements; southward movements must stop before passing over Union Street and a member of the crew must be on

- The Board of Railway Commissioners for Canada, General Order 571, forbids the handling of freight cars in main line passenger trains.
- Engines and employes must not go beyond the gantry crane located at the Vancouver Steel Company Spur at Ardley, B. C. due to the possibility of scrap falling from the magnet-equipped crane working over this spur beyond the location of the crane.
- SPEED TEST BOARDS. Engineers shall test speed of their trains passing following points as compared with Speed Table:
 Northward, between MP 65 and 66 approximately 2 miles south of Mt. Vernon.

Southward, between MP 149 and MP150 approximately 8 miles south of Still Creek. between MP 65 and 66 approximately 2 miles south

20. CROSSOVERS ON DOUBLE TRACK.

Facing point.

Trailing point.
At MP 152.4—1.4 miles south of Still Creek. Dominion Bridge Co. spur MP 151.3—2.5 miles south of Still Creek, at Vancouver Steel Co. Spur. MP 147.8-1 mile north of Endot.

21. SPRING SWITCHES WITH FACING POINT LOCK. SPRING SWITCHES WITH FACING POINT LOC Stanwood—North and South siding switch.

Normal position is for main track.

Mt. Vernon—South siding switch.

Normal position is for main track.

Bow—North and South siding switch.

Normal position is for main track.

Samish—North and South siding switch.

Normal position is for main track.

South Bellingham—North and South siding switch.

Normal position is for main track.

Endot—End of double track.

Normal position is for Northward main track.

Still Creek—End of double track.

Normal position is for Southward main track.

- DRAGGING EQUIPMENT DETECTOR INDICATORS. On Cable Post 400 ft. north of M.P. 69 between Mt. Vernon and Burlington. On Mast 1800 ft. North of MP 140-Fraser River Jct. Southward On Signal 71.1 about 200 ft. north of M.P. 71 between Burlington and Mt. Vernon.
- 28. MANUAL INTERLOCKINGS. Marysville, 1.25 miles south of drawbridge 11.

 0.50 miles south of drawbridge 12.

 New Westminster-Fraser River Jct. drawbridge and junction with CN and BCE Rys.

 New Westminster-Fraser River Jct., when, for any reason, a proceed indication cannot be displayed at the home signal, no train or engine movement shall be made over bridge, except on authority of regular Dominion Government clearance.
- 24. MANUAL INTERLOCKINGS WITH DUAL CONTROL SWITCHES. Delta Jct. ______ Drawbridge 10 and NP Ry crossing. These switches are electrically controlled by operator at Delta Whistle signals for routes: Whistie signals for routes:

 Main track

 From North to Delta Yard

 From South to Delta Yard

 From Delta Yard to North

 From Delta Yard to South

 From NP Ry connection to North

 From North to NP Ry connection i long. long, 1 short.2 long, I short. long.8 long, 1 short. 1 long, 1 short, 1 long. 1 long, 1 short, 2 long. From North to NP Ry connection....
- 25. AUTOMATIC INTERLOCKINGS. Still Creek, 2.14 miles south of B.C.E. Ry crossing.
 Still Creek End of double track.
- 26. SEMI-AUTOMATIC INTERLOCKINGS. New Westminster, 0.50 miles north CPR crossing....Crossover to Waterfront New Westminster, 1 mile north Fraser Mill Spur.

CPR crossing. New Westminster, crossover to water front track:

GN train or engine movements between main track and water front track over CPR crossing are governed by electric lock at main track switch. Both switches of crossover are lined by operation of main track switch. Instructions for their operation are posted in lock box locked with a switch lock.

New Westminster, Fraser Mill Spur CPR crossing: Normal position of gates is stop for Great Northern.

GN train or engine movements over CPR crossing are governed by manually operated gates electrically locked. Instructions for their operation are posted in lock box locked with a switch lock.

Vancouver, CPR crossing at Burrard Inlet:

Normal position of gates is stop for Great Northern.

GN trains or engines shall stop clear of Powell Street until gates are opened and the way is clear for movement across CPR tracks to avoid blocking traffic on Powell Street. Wigwag type crossing signals governing traffic on Powell Street are manually controlled by handle of electric gate lock.

GN trains or eagine movements over CPR crossing are governed by manually operated gates electrically locked. Instructions for their operation are posted in lock box locked with a switch lock located at gate adjacent to Powell Street.

27. RAILROAD CROSSINGS PROTECTED BY GATES.

n _____ Third Subdivision crossing.

Normal position is for Second Subdivision.

South Bellingham, 1.14 miles north of Normal position is for Great Northern. ...NP Ry crossing.

m ______CMStP&P RR crossings.
1 at Army Street, 1 at Commercial Street, 2 at Pine Street

Normal position is for Great Northern.

Vancouver, Main Street _____BCE Ry crossing.

Normal position is stop for Great Northern.

Trains, engines or cars must not be moved over this crossing until a member of the crew is stationed at the crossing to protect traffic on Main Street.

28. SWITCH INDICATORS.

SWITCH INDICATORS.

Vancouver, indicators are located near switches on each side of main track at the junction of the Burrard Inlet Line and Prior Yard, roundhouse lead and wye tracks about 800 ft. south of Vancouver Jct. First class trains must approach B. I. Line and roundhouse lead switches prepared to stop unless block signals governing movement over these switches indicate proceed and main track is seen to be clear. Yard and engine movements may be made in either direction across main track at this point on the time of delayed first class trains without flag protection provided yellow light is displayed in the indicator. First class trains will be considered delayed when they are more than ten minutes past due out of Vancouver, Vancouver Jct. or Still Creek. Vancouver, B. C., Glen Drive Yard, light type indicator located at clearing point of main track switch 840 ft. North of CN Jct.

Train or engine movements must stop clear of main track. CN Junction, located at clearance point to main track. Light type indicator located at clearance point of main track switch. Train or engine entering main track must stop in clear and operate this indicator.

Canadian Maintenance of Way flagging Rules 40 through 49 found on pages 216 through 220 in the Consolidated Code are in effect in Canada.

THIRD SUBDIVISION

(Anacortes Line)

1. MAXIMUM PERMISSIBLE SPEED FOR TRAINS.

	Between Rockport and Anacortes	20	мрн
2.	SPEED RESTRICTIONS.		
	Bridge 12, Whitney Bridge 52, Concrete Trains handling loaded log cars or high fuel racks	B	MPH

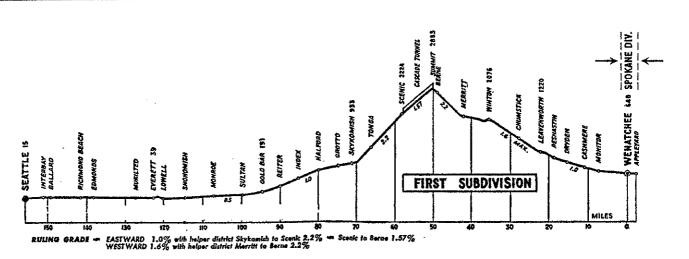
- 8. ENGINE RESTRICTIONS ON INDUSTRY TRACKS. Engines not permitted on industry tracks at:
 Anacortes, Puget Sound Mill & Lumber Co. log dump trestle
 Anacortes Canning Co. spur track.
 Sedro-Woolley, Skagit Steel & Irons Works north spur.
- 4. CLEARANCE PROVISIONS AND EXCEPTIONS RULE 83(B). Burlington. Third Subdivision trains must secure clearance.
- Concrete, water station is closed in emergency, call agent for instructions.
- MANUAL INTERLOCKINGS.

Whitney, one mile west of _______Drawbridge 13.
Drawbridge will be left open for boat traffic at all times, except between hours 7:00 AM to 11:00 AM and 8:00 PM to 7:00 PM daily.

	SPEED TABLE					
	Time Min.	Per Mil Sec.	e Miles Per Hour	Time Min.	Per Mil Sec.	e Miles Per Hour
Cascade Division Davis Jewelry Store, 4 S. Wenatchee Ave., Wenatchee. Weisfield's, Inc., 414 Pike St., Seattle. Peter Michael, 223 Pine St., Seattle. Roy Davidson, Jeweler, 8524 Greenwood Ave., Seattle. A. T. Crumpacker, Jeweler, 5808 Ballard Ave., Seattle. Microw's Inc., 1105 Broadway, Tacoma. Benjamin F. Salewsky, Jeweler, Centralia. Kenneth A. Wade, Jeweler, Burlington. Erving H. Easton, Jeweler, 1808 Cornwall Ave., Bellingham. Gifford's Jewellery, Ltd., 515 Columbia St., New Westminister, B. C. W. H. Grassie, Watchmaker & Jeweler, 566 Seymour St., Vancouver, B. C. Weisfield's, Inc., 530 S.W. Washington St., Portland. McDonough's Jewelers, 2810 Colby, Everett, Wash.		412844567889 4444667889 1284466789 128466789	90.8 87.8 85.7 88.8 81.0 88.8 76.0 77.0 60.4 60.0 60.0 60.0 60.0 60.0 60.0 60	111111111111111112222233456789	12 14 16 18 20 22 24 28 28 38 88 42 45 55 55 10 20 20 40 80 80 80 80 80 80 80 80 80 80 80 80 80	50.0 48.6 47.4 46.0 48.9 41.9 40.9 40.9 40.9 40.9 58.8 85.8 85.8 85.8 85.7 7.7 85.2 22.5 85.6 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0

BUSINESS TRACKS NOT SHOWN AS STATIONS ON TIME TABLE

Name	Location	Capaci- ty Care	Switch Opens	Name	Location	Capad- ty Cars	Switch Opens
J. R. Sweet Co. Northwestern Portland Cement Co Weyerhaeuser Timber Co. Spur. Bar Bee Mill. Halford Rock Spurs. Index, Galena Mill Industry. Manufacturers Mineral Spur Wallace Falls Timber Co. Startup Spur. Fryelands Industry. Robinson Lettuce Spur. McKinnon Spur. G. N. Oil Spur. Standard Oil & Shell Co's Trks.	0.53 mile east of Leavenworth 2.0 miles east of Merritt 2.0 miles east of Merritt 1.0 mile east of Grotto 1.20 miles west of Baring 1.20 miles west of Baring 1.30 mile east of Index 1.40 miles west of Index 1.50 miles west of Index 1.50 miles west of Gold Bar 1.50 miles west of Gold Bar 2.00 miles west of Monroe 2.15 miles west of Monroe 2.16 miles west of Monroe 2.17 miles west of Monroe 2.18 miles west of Monroe 2.19 miles west of Monroe 3.10 miles west of Monroe 3.11 miles west of Monroe 3.12 miles west of Monroe 3.13 miles west of Monroe 3.14 miles west of Monroe 3.15 miles west of Monroe 3.16 miles west of Monroe 3.17 miles west of Monroe 3.18 miles west of Monroe 3.19 miles west of Monroe 3.10 miles west of Monroe 3.10 miles west of Monroe 3.11 miles west of Monroe 3.12 miles west of Monroe 3.13 miles west of Monroe 3.14 miles west of Monroe 3.15 miles west of Monroe 3.16 miles west of Monroe 3.17 miles west of Monroe 3.18 miles west of Monroe 3.19 miles west of Monroe 3.10 miles west of Monroe 3.10 miles west of Monroe 3.11 miles west of Monroe 3.12 miles west of Monroe 3.13 miles west of Monroe 3.14 miles west of Monroe 3.15 miles west of Monroe 3.16 miles west of Monroe 3.17 miles west of Monroe 3.18 miles west of Monroe 3.19 miles west of Monroe 3.10 miles west of Monroe 3.1	57 23 50 42 8 47 22 18 56 7	East East Both West West West East West West Both East East Both Both	Overseas Commodity Spur Golden Kist Spur Golden Kist Spur Dominion Construction Spur. Dominion Bridge Co. Spur Vancouver Steel Co., Ltd Brownsville Connection to C. N. Ry B. C. Peat Products Industry. Industrial Peat Co., Ltd Olympic Portland Cement Co. Spur Rock Spur Belleville Pit Tracks English Lumber Co Tulalip Army Wye Tilled Subdivision Mountview Puget Sound Saw Mill Co. Trackage Van Horne Spur Walton Bros. Timber Co	0.1 mile south of Still Creek 0.1 mile south off of Overseas Commodity Spur 0.14 mile south of Still Creek. 0.43 miles south of Still Creek. 1.4 miles south of Still Creek. 2.2 miles south of Still Creek. 1.5 miles south of Frazer River Jot 1.6 miles south of Frazer River Jot 1.7 miles south of Townsend. 1.8 miles south of Townsend. 1.9 miles south of Ferndale 1.0 miles south of So. Bellingham. 1.3 miles south of Fir 1.2 miles south of Kruse Jot. 1.3 miles west of Rockport 1.5 miles west of Rockport 1.6 miles west of Rockport 1.7 miles west of Rockport 1.8 miles cast of Concrete 1.9 miles east of Anacortes	2 2 38 58 11 12 25 27 6 102 2 50 {	South South South South South North Both North South North South North South North South North South North South South



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