

SPEED TABLE

Time Per Mile		Miles Per Hour	Time Per Mile		Miles Per Hour
Minutes	Seconds		Minutes	Seconds	
0	45	80	1	12	50
0	46	78.3	1	15	48
0	47	76.6	1	20	45
0	48	75	1	25	42.3
0	49	73.5	1	30	40
0	50	72	1	40	36
0	51	70.6	1	45	34.3
0	52	69.2	1	50	32.7
0	53	67.9	2	..	30
0	54	66.6	2	10	27.6
0	55	65.4	2	15	26.6
0	56	64.2	2	20	25.7
0	57	63.1	2	30	24
0	58	62	2	40	22.5
0	59	61	2	45	21.8
1	..	60	2	50	21.2
1	1	59	3	..	20
1	2	58	3	9	19
1	3	57.1	3	20	18
1	4	56.2	3	31	17
1	5	55.3	3	45	16
1	6	54.5	4	..	15
1	7	53.7	5	..	12
1	8	52.9	6	..	10
1	9	52.1	7	30	8
1	10	51.4	10	..	6

NORTHERN PACIFIC RAILWAY COMPANY

Tacoma Division

TIME TABLE 81A

To be used in conjunction with
Special Instructions Currently
in effect.

In Effect at 12:01 A. M. Pacific
Standard Time.

Sunday, October 27, 1963

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

I. W. BREWER,
Superintendent.

F. L. STEINBRIGHT,
General Manager.

E. S. ULYATT,
General Superintendent of
Transportation.

AUTHORIZED SURGEONS.

Dr. J. W. Gullikson, Chief Surgeon, Western District, Tacoma.
 Dr. E. R. Anderson, Associate Surgeon, Tacoma.
 Dr. C. W. May, Associate Surgeon, Tacoma.
 Dr. T. H. Skrinar, Associate Surgeon, Tacoma.
 Dr. C. I. Stevens, Associate Surgeon, Tacoma.

Location of Stretchers (S).

N. P. B. A. Hospital, Tacoma (S)	Auburn Yard Office (S)	
Tacoma, Wrecker Tool Car (S)	Auburn Station (S)	
Tacoma Round House (S)	Puyallup (S)	
Tacoma Moon Yard Office (S)	Enumclaw (S)	Lester (S)
Head-of-Bay Yard, Tacoma (S)	Easton (S)	Kanaskat (S)
King St. Station, Seattle (S)	Woodinville (S)	Olympia (S)
Yard Office, Seattle (S)		

First Aid Box located at Kanaskat

LOCAL SURGEONS.

N. P. B. A. Clinic, Second Floor, N. P. Freight House, Seattle.
 Hours—9:00 a. m. to 11:59 a. m. Daily, except Saturdays and Sundays.

Dr. A. A. Searle..... West Seattle	Dr. C. H. Densler..... Sumner
Dr. F. L. Scheyer..... Seattle	Dr. T. H. Clark..... Sumner
Dr. J. W. Finley..... Seattle	Dr. J. P. Duffy..... Sumner
Dr. D. J. Laviolette..... Renton	Dr. C. J. Scheyer..... Puyallup (S)
Dr. D. G. Huber..... Arlington	Dr. L. F. Sulkosky..... Puyallup
Dr. B. R. Burgoyne..... Arlington	Dr. A. W. Johansson..... Puyallup
Dr. N. W. Zook..... Arlington	Dr. J. H. Grelle..... Portland
Dr. L. J. Ferrell..... Everett	Dr. Allen L. Mundal..... Portland (S)
Dr. F. L. Simmonds..... Sumas (S)	Dr. Edward Taylor..... Centralia (S)
Dr. J. W. Tooley..... Issaquah	Dr. P. S. Garnett..... Chehalis
Dr. J. L. Whitaker..... Snoqualmie	Dr. W. J. Dugaw..... Toledo
Dr. F. R. Sutherland..... Snoqualmie	(nr Winlock)
Dr. Ralph H. Eddings..... Snoqualmie	Dr. R. J. LaRue..... Castle Rock
Dr. Richard T. Anderson..... Snoqualmie	Dr. F. Davis..... Kelso
Dr. E. C. McKibben..... Kirkland	Dr. Ransom L. Smith..... Longview
Dr. E. C. McKibben, Jr..... Kirkland	Dr. C. J. Hoffman..... Woodland
Dr. S. R. Boynton, Jr..... Bellingham (S)	Dr. G. H. Johnson..... Vancouver
Dr. L. K. Englund..... Yakima	Dr. J. A. Wals..... Vancouver
Dr. R. M. Hill..... Ellensburg (S)	Dr. H. L. Skinner..... Battle Ground
Dr. W. W. Hicks..... Ellensburg	and Ridgefield
Dr. R. H. Welding..... Ellensburg	Dr. H. C. Watkins..... Hoquiam (S)
Dr. C. W. Olander..... Ellensburg	Dr. M. C. Lindel..... Montesano
Dr. A. J. Gnose..... Ellensburg	Dr. R. E. Fredericksen..... Aberdeen
Dr. J. W. Devney..... Ellensburg	Dr. Wayne B. Carte..... Shelton
Dr. R. Vernie..... Ellensburg	Dr. B. N. Ootkin..... Dupont and
Dr. F. Rogalski..... Cle Elum (S)	Ft. Lewis
Dr. J. P. Mooney..... Roslyn	Dr. H. A. Barner..... Bremerton (S)
Dr. G. D. Wilde..... Auburn	Dr. N. C. Riddle..... Darrington
Dr. G. G. Thomas..... Auburn	
Dr. E. I. Shepard..... Auburn	

SPECIALISTS.

Dr. R. C. Laughlin, Eye Specialist..... Seattle	Dr. P. B. Smith, Eye, Ear, Nose and Throat Specialist... Tacoma
Dr. J. M. Shiach, Eye, Ear, Nose and Throat Specialist... Seattle	Dr. W. H. Ludwig, Oculist..... Tacoma
Dr. Paul M. Osmun, Ear, Nose and Throat Specialist... Seattle	Dr. Cyril V. Lundvick, Eye, Ear, Nose and Throat Specialist... Tacoma
Dr. T. F. Carey, Eye, Ear, Nose and Throat Specialist... Seattle	Dr. R. B. Truckey, Nose and Throat Specialist... Tacoma
Dr. G. H. Drumbheller, Eye, Ear, Nose and Throat Specialist... Everett	Dr. Canfield Beattie, Eye, Ear, Nose and Throat Specialist... Portland
Dr. R. P. Schefter, Eye, Ear, Nose and Throat Specialist... Yakima	

NOTE.

N. P. B. A. physicians and surgeons, when called upon, will attend to all cases of sickness and accident to employees, passengers and others. In a case of illness, or of injury unrelated to railway operation to other than N. P. B. A. members, surgeon should endeavor to collect a reasonable fee for service from person attended. If unable to collect, Chief Surgeon should be notified.

Where injuries, to other than N. P. B. A. members, are directly related to railway operation, charge for service should be sent to the General Claim Agent of the railway company.

In case of emergency, proper aid should be procured until arrival of local surgeon, when case must be placed in his hands.

Authorized Surgeons Union Pacific Railroad Co.

Dr. Kenneth C. Brown..... Portland.	Dr. G. A. Peirson..... Portland.
Dr. J. M. Roberts..... Portland.	Dr. D. G. Duncann..... Portland.
Dr. W. W. Hale..... Portland.	Dr. E. C. Parkinson..... Portland.
Dr. J. P. Craven..... Portland.	Dr. P. A. Wagner..... Portland.
Dr. H. M. Wiswall..... Vancouver.	Dr. R. M. Galvin..... Centralia.
Dr. G. F. Parke..... Centralia.	Dr. E. L. Calhoun..... Aberdeen.
Dr. R. D. Wright..... Tacoma.	Dr. A. J. Herrmann..... Tacoma.
Dr. P. B. Smith..... Tacoma.	Dr. B. E. McConville..... Seattle.
Dr. L. F. Lundy..... Seattle.	Dr. S. J. Wood..... Seattle.
Dr. J. M. Shiach..... Seattle.	Dr. R. M. Hansen..... Portland.
Dr. M. H. Johnson..... Portland.	Dr. A. J. Kreft..... Portland.

Authorized Surgeons G. N. Ry. Co.

Dr. Ralph M. Dodson..... Portland.
Dr. A. Ehrlich..... Tacoma.
Dr. Ross D. Wright..... Tacoma.
Dr. H. M. Wiswall..... Vancouver.
Dr. G. F. Parks..... Centralia.
Dr. I. W. Varley..... Everett.
Dr. F. K. Remington..... Seattle.
Dr. Chester A. Regan..... Seattle.
Dr. Roy F. West..... Seattle.

Water, Fuel, Seales, Turn-Tables, Wyes and Yard Limits.	Station Numbers.	Car Capacity of Sidings.	FIRST CLASS			Distance from Yakima.	Time Table No. 81A October 27, 1963			Distance from Auburn.	FIRST CLASS		
			25		1		STATIONS				26		2
			Passenger	Passenger	Passenger		Telegraph Office and Calls				Passenger	Passenger	
			Daily	Daily	Daily		Daily	Daily					
KORT WXZ	1811	Yard	L 4.15 AM	L 2.35 AM	0.0	YA-KM...YAKIMA.....DN	139.4	As 5.45 PM	As 2.00 AM				
	1815	W95 E64	4.20	2.41	3.8	SD.....SELAH.....PD	135.6	5.35	1.47				
	1819	W115 E56	4.24	2.45	7.2	.....POMONA.....P	132.2	5.30	1.43			
	1822	86	4.29	2.51	11.3	.....HILLSIDE.....P	128.1	5.24	1.37			
	1827	90	4.36	2.58	15.5	.....ROZA.....P	123.9	5.16	1.29			
	1832	120	4.42	3.04	20.1	.....WYMER.....P	119.3	5.09	1.22			
	1836	89	4.49	3.11	24.2	.....UMTANUM.....P	115.2	5.02	1.15			
	1843	W89 E70	4.59	3.21	31.8	.....THRALL.....P	107.6	4.51	1.04			
WXY	1848	W83 E112	s 5.08	s 3.27	36.6	EB.....ELLENSBURG.....DN	102.8	s 4.41	s 12.51				
	1855	W89 E64	5.21	3.40	44.2	.....THORP.....P	95.2	4.33	12.43			
	1862	64	5.31	3.50	51.1	.....KOUNTZE.....P	88.3	4.23	12.33			
	1865	117	5.34	3.53	53.8	.....BRISTOL.....P	85.6	4.20	12.30			
	1869	72	5.39	3.57	57.6	.....TEANAWAY.....P	81.8	4.16	12.26			
WY ZX	1873	W116 E51	5.43	s 4.04	61.5	CL.....CLE ELUM.....DN	77.9	4.12	s 12.21				
	1880	117	5.49	4.11	67.4	.....NELSON.....P	72.0	4.05	12.12			
KR WXY	1886	102	5.56	f 4.20	74.1	EA.....EASTON.....DN	65.3	3.59	f 12.05 AM				
	1890		6.04	4.29	78.1	.....UPHAM.....P	61.3	3.50	11.56 PM			
	1894	W29	6.13	4.39	82.5	.....MARTIN.....P	56.9	3.41	11.47			
W	1897	E56	6.20	4.46	85.7	.....STAMPEDE.....P	53.7	3.34	11.40			
	1904		6.30	4.56	90.7	.....KENNEDY.....P	48.7	3.24	11.30			
RWTX	1911	Yard	6.40	s 5.10	95.7	DM.....LESTER.....DN	43.7	3.13	s 11.19				
	1917	117	6.50	5.21	102.9	.....MAYWOOD.....P	36.5	3.01	11.06			
	1921	52	6.56	5.27	106.8	.....HUMPHREY.....P	32.6	2.53	11.00			
	1925	123	7.02	5.32	110.4	.....EAGLE GORGE.....P	29.0	2.48	10.55			
YX	1932		7.12	5.43	117.1	.....PALMER JCT.....P	22.3	2.36	10.44			
YZX	A1	122	7.14	5.45	118.3	GV.....KANASKAT.....DN	21.1	2.34	10.42				
	A7	119	7.21	5.52	124.2	.....RAVENSDALE.....P	15.2	2.25	10.33			
	A14	118	7.29	6.00	131.1	.....COVINGTON.....P	8.3	2.17	10.24			
X	A22	89	s 7.41	s 6.15	138.5	.....EAST AUBURN.....P	0.9	s 2.05	s 10.14			
KORT WXYZ	CF9	Yard	A 7.53 AM	A 6.43 AM	139.4	AU-AY...AUBURN.....DN	0.0	L 1.56 PM	L 9.56 PM				
			3.25	3.38				3.40	3.42				
			40.8	38.4				38.0	37.7				
						Time Over Subdivision							
						Average Speed Per Hour							

EXCEPT ON DOUBLE TRACK, CTC, OR RULE 261 TERRITORY, EASTWARD TRAINS ARE SUPERIOR TO WESTWARD TRAINS OF THE SAME CLASS.

AT CLE ELUM—TIME OF FIRST CLASS TRAINS APPLIES AT PASSENGER STATION.

No. 1 stops on flag at Maywood for revenue passengers on Saturdays.
No. 2 stops on flag at Maywood for revenue passengers on Sundays.

No. 1 and No. 2 will stop on flag at Kanaskat and Martin for revenue passengers only.

No. 1 stops on flag at Easton for express.

Water, Fuel, Scales, Turn Tables, Wyes and Yard Limits.	Station Numbers.	Car Capacity of Sidings.	FIRST CLASS					Distance from Tacoma.	Time Table No. 81A		Distance from Seattle.	FIRST CLASS				
			407	459	457	25	1		October 27, 1963			460	408	26	458	2
			Passenger	Passenger	Passenger	Passenger	Passenger		STATIONS			Passenger	Passenger	Passenger	Passenger	Passenger
			Daily	Daily	Daily	Daily	Daily		Telegraph Offices and Calls		Daily	Daily	Daily	Daily	Daily	
KTW OXZ	1976	Yard						0.0	Q-WR... TACOMA... DN	40.4						
X								0.3 15th ST.	40.1						
RX									NX... U. P. JCT. DN							
RX	1972							2.2	(Draw Bridge Line) RN... RESERVATION... DN	38.2						
KTW OXZ	1976	Yard	L 8.18 PM	L 4.33 PM	L 12.35 PM			0.0	Q-WR... TACOMA... DN	40.1	As 8.57 AM	As 1.07 PM		As 5.57 PM		
RX	1972		8.22	4.37	A 12.39 PM			1.9	(Head of Bay Line) RN... RESERVATION... DN	38.2	8.52	1.02		L 5.52 PM		
X	1967	W107 E46	8.30	4.45				8.2	PY... PUYALLUP... P DN	31.9	8.44	12.54				
XY	1966							9.6	..... MEEKER... P	30.5					
X		CF2	8.34	4.49				11.2	SN... SUMNER... PD	28.9	8.40	12.50				
		CF4	8.37	4.52		See Page 3	See Page 3	13.7	..... DIERINGER... P	26.4			See Page 3	See Page 3	
KRTO WXYZ		CF9	8.44	4.59		L 7.53 AM	L 6.43 AM	18.6	AU-AY... AUBURN... DN	21.5	8.32	12.42	A 1.56 PM	A 9.56 PM		
		CF11						20.5	..... CHRISTOPHER... P	19.6					
		CF13						21.9	..... THOMAS... P	18.2					
X		CF15	8.50	5.05		8.00	6.51	23.8	KN... KENT... PD	16.3	8.26	12.36	1.50	9.50		
		CF19						27.9	..... ORILLIA... P	12.2					
Y		CF21	8.56	5.11		8.07	6.58	29.4	BI... BLACK RIVER... P DN	10.7	8.19	12.30	1.44	9.44		
X		CF27	9.05	5.20		8.16	7.08	36.9	G... ARGO... DN	3.2	8.11	12.22	1.36	9.36		
								38.3	To Spokane St. 1.4 To Seattle... 3.2							
								39.3	SF... SPOKANE ST... DN							
RWO KXYZ		CF31						39.3	..... MIDDLE YARD... P						
TWX YOKR			A 9.15 PM	A 5.30 PM		A 8.30 AM	A 7.20 AM	40.1	Auto Block (From Argo... 3.2) UD... SEATTLE... DN (Dbl Track) King Street Station	0.0	L 8.05 AM	L 12.15 PM	L 1.30 PM	L 9.30 PM		
			.57	.57	.04	.37	.37		Time Over Subdivision		.52	.52	.26	.05	.26	
			42.2	42.2	28.5	34.9	34.9		Average Speed Per Hour		46.2	46.2	49.6	22.8	49.6	

EXCEPT ON DOUBLE TRACK, EASTWARD TRAINS ARE SUPERIOR TO WESTWARD TRAINS OF THE SAME CLASS.

No. 407 stops on flag at Puyallup to discharge revenue passengers from Vancouver and beyond and receive revenue passengers for points beyond Seattle.

No. 459 stops at Auburn to discharge revenue passengers from Vancouver and beyond and receive revenue passengers for points beyond Seattle.

No. 460 stops at Kent, Auburn, Sumner and Puyallup to discharge passengers from points Spokane and east.

CROSSOVERS

First Subdivision

Easton, Kennedy, Lester.

Second Subdivision

Seattle, Middle Yard, Argo, Black River, Black River Interchange, Kent, Auburn, Sumner, Meeker, Puyallup, Reservation.

Third Subdivision

U. P. Jct., Tacoma, McCarver St., Titlow, Pioneer Pit, Cascade Paper Co., Steilacoom, Ketron, Nisqually, Saint Clair, Kyro, East Olympia, Tenino Jct., Bucoda, Centralia, Chehalis, Chehalis Jct., Napavine, Winlock, Vader, Castle Rock, Ostrander, Rocky Point, Kelso, Longview Jct., Kalama, Woodland, Ridgefield, Vancouver Jct., Vancouver.

Fourth Subdivision

South Tacoma

Water, Fuel, Scales, Turn Tables, Wyes and Yard Limits.	Station Numbers.	Car Capacity of Sidings.	FIRST CLASS			Distance from Portland.	FIRST CLASS				
			407	459	457		460	408	458		
			Passenger	Passenger	Passenger		Passenger	Passenger	Passenger		
			Daily	Daily	Daily		Daily	Daily	Daily		
WOZT KR	2121	Yard	L 5.15 PM	L 1.30 PM	L 9.30 AM	0.0	VC..... PORTLAND..... DN	146.2	A 12.20 PM	A 4.15 PM	A 9.15 PM
WTOY	2119					2.0 LAKE YARD.....	144.2			

Time Table No. 81A
October 27, 1963

STATIONS
Telegraph Offices and Calls

BETWEEN VANCOUVER AND PORTLAND TRAINS WILL BE GOVERNED BY SPOKANE, PORTLAND AND SEATTLE RAILWAY TIME TABLE AND RULES. TIME SHOWN AT PORTLAND FOR INFORMATION ONLY.

WR TOYX	CX29	Yard	Ls 5.34 PM	Ls 1.49 PM	Ls 9.51 AM	10.0	AUTOMATIC BLOCK	(MX..... VANCOUVER..... DN	136.2	As 11.58 AM	As 3.53 PM	As 8.48 PM
	CX25		5.37	1.52	9.54	13.1		 VANCOUVER JCT..... P	133.1	11.53	3.48	8.43
	CX15	W92 E78	5.48	2.03	10.05	24.3		RG..... RIDGEFIELD..... PD	121.9	11.41	3.36	8.31
	CX9	S26	5.53	2.08	10.10	29.7		WD..... WOODLAND..... PD	116.5	11.35	3.30	8.25
X	2081	W50 E68	6.02	2.17	10.19	38.9		KA..... KALAMA..... DN	107.3	f 11.25	3.20	8.15
XY	2074	Yard	6.08	2.23	10.25	46.1		JC..... LONGVIEW JCT..... PD To East Yard 2.0 To Kelso 2.9	100.1	11.18	3.13	8.08
X	CV4	Yard				47.4		..... EAST YARD.....	102.9			
KXR						49.0		VW..... LONGVIEW..... PD	104.5			
X	2071	E96	s 6.14	s 2.29	s 10.31	49.0		KS..... KELSO..... DN	97.2	s 11.14	s 3.09	s 8.04
	2068	Yard				50.5		..... ROCKY POINT..... P	95.7			
	2066	S13	6.18	2.33	10.35	52.6		..... OSTRANDER.....	93.6	11.08	3.03	7.57
	2060	W96 E84	6.24	f 2.39	10.41	58.9		CA..... CASTLE ROCK..... DN	87.3	f 11.02	2.57	7.51
		S26				65.8		..... OLEQUA.....	80.4			
	2050	W93 E94	6.34	2.49	10.51	68.5		..... VADER..... P	77.7	10.49	2.47	7.41
X	2044	E56	6.41	2.56	10.58	74.9		WI..... WINLOCK..... PD	71.3	s 10.42	2.40	7.34
						78.0		..... EVALINE.....	68.2			
	2038	W68 E96	6.48	3.03	11.05	81.2		NA..... NAPAVINE..... DN	65.0	10.30	2.33	7.27
YX	2032		6.54	3.09	11.11	87.5		..... CHEHALIS JCT..... P	58.7	10.22	2.25	7.19
RX	2031	W49	s 6.56	s 3.11	s 11.13	88.5		CH..... CHEHALIS..... PDN	57.7	s 10.21	s 2.24	s 7.18
WTZK RYOX	2027	W74 E71	s 7.06	s 3.21	s 11.23	92.2		CN..... CENTRALIA..... PDN	54.0	s 10.14	s 2.17	s 7.11
X	2025					94.4		..... WABASH.....	51.8			
	2020	W102	7.15	3.30	11.32	99.6		..... BUCODA..... P	46.6	9.56	2.06	7.00
		W56 E57	7.19	3.34	11.36	102.8		..... TENINO JCT..... P	43.4	9.53	2.03	6.57
	2015		7.20	3.35	11.37	103.3		NO..... TENINO..... PD	42.9	9.52	2.02	6.56
X	CS35	W95	s 7.29	f 3.44	s 11.46	111.3		..... EAST OLYMPIA..... P	34.9	s 9.43	s 1.53	s 6.47
	CS30	E95	7.34	3.50	11.51	116.4		..... KYRO..... P	29.8	9.36	1.46	6.37
	CS28		7.36	3.52	11.53	118.0		..... SAINT CLAIR..... P	28.2	9.34	1.44	6.35
X	CS24	18	7.40	3.57	11.57 AM	121.8		NU..... NISQUALLY..... DN	24.4	9.30	1.40	6.31
	CS18	E48	7.47	4.05	12.04 PM	128.6		..... KETRON..... P	17.6	9.23	1.33	6.24
	CS16	S12	7.49	4.07	12.06	130.6		UO..... STEILACOOM..... PD	15.6	9.21	1.31	6.22
	CS10	W86 E39	7.56	4.14	12.13	136.5		..... TITLOW..... P	9.7	9.15	1.25	6.16
X	CS2 1/2		8.04	4.22	12.21	143.5		..... McCARVER ST..... P	2.7	9.08	1.16	6.09
RX			8.08	4.26	12.25	145.9		NX..... U. P. JCT..... DN	0.3	9.02	1.12	6.03
TZO KWX	1976	Yard	As 8.10 PM	As 4.29 PM	As 12.27 PM	146.2		Q-WR..... TACOMA..... DN	0.0	L 9.01 AM	L 1.11 PM	L 6.02 PM
			2.36	2.40	2.36			Time Over Subdivision		2.57	2.42	2.46
			52.4	51.0	52.4			Average Speed Per Hour		46.2	50.4	49.2

EXCEPT ON DOUBLE TRACK, EASTWARD TRAINS ARE SUPERIOR TO WESTWARD TRAINS OF THE SAME CLASS.

No. 459 stops on flag at Winlock to receive passengers for Tacoma and Seattle and discharge passengers from Vancouver and beyond and to receive and discharge express.

No. 458 stops on flag at Winlock to receive revenue passengers for Vancouver and beyond and discharge revenue passengers from Tacoma and beyond and to receive and discharge express.

6 **FOURTH SUB-DIVISION**
(PRAIRIE LINE)

WESTWARD

EASTWARD

				Time Table No. 81A			
				October 27, 1963			
				STATIONS			
				Telegraph Offices and Calls			
Water, Fuel, Scales, Turn Tables, Wyes and Yard Limits.	Station Numbers.	Car Capacity of Sidings.	Distance from Tenino Jct.			Distance from Moon Yard	
X		W89 E57	0.0	TENINO JCT.....P		39.2	
X	2015	23	0.2	WEST TENINO.....		39.0	
	2007	W56 E48	9.1	RAINIER.....P		30.1	
	2002	47	14.5	YELM.....P		24.7	
	1996	46	20.0	ROY.....P		19.2	
	1990	37	25.9	HILLHURST.....		13.3	
Y	1988	Conn.	27.6	MOBASE.....P		11.6	
	1987	Conn.	29.5	McCHORD FIELD.....P		9.7	
X	1985	28	31.2	VA.....LAKEVIEW.....PD		8.0	
ZTX	1981	Yard	34.6	SU...SOUTH TACOMA..PD		4.6	
X			39.0	15TH ST.....		0.2	
RX				NX...U. P. JCT.....DN			
TO WXZ	1976	Yard	39.2	MOON YARD.....P		0.0	

EASTWARD TRAINS ARE SUPERIOR TO WESTWARD TRAINS OF THE SAME CLASS.

SEVENTEENTH SUB-DIVISION
(AMERICAN LAKE LINE)

WESTWARD

EASTWARD

				Time Table No. 81A			
				October 27, 1963			
				STATIONS			
				Telegraph Offices and Calls			
Water, Fuel, Scales, Turn Tables, Wyes and Yard Limits.	Station Numbers.	Car Capacity of Sidings.	Distance from Nisqually.			Distance from Lakeview.	
RX	CS24	7	0.0	NU.....NISQUALLY.....DN		11.7	
YX	CK7	Yard	3.9	D.....FORT LEWIS.....PD		7.8	
	CK5½	27	6.4	STONE.....		5.3	
	CK5	26	7.0	CAMP MURRAY.....P		4.7	
	CK3	28	8.5	TILLICUM.....		3.2	
RX	1985	36	11.7	VA.....LAKEVIEW.....PD		0.0	

EASTWARD TRAINS ARE SUPERIOR TO WESTWARD TRAINS OF THE SAME CLASS.

SEVENTH SUB-DIVISION
(BUCKLEY LINE AND WILKESON BRANCH)

WESTWARD

EASTWARD

				Time Table No. 81A			
				October 27, 1963			
				STATIONS			
				Telegraph Offices and Calls			
Water, Fuel, Scales, Turn Tables, Wyes and Yard Limits.	Station Numbers.	Car Capacity of Sidings.	Distance from Kanaskat Jct.			Distance from Meeker.	
			0.0	KANASKAT JCT.....		34.7	
			2.1	PALMER.....		32.6	
				To Bayne Jct. 1.1			
Y	1932		5.2	PALMER JCT.....P		33.5	
				To Bayne Jct. 2.0			
X			3.2	BAYNE JCT.....		31.5	
X	1934	S20	3.4	BAYNE.....		31.3	
	1936		4.6	CUMBERLAND.....		30.1	
	1937	15	5.1	NACO.....		29.6	
	1939	S62	7.5	VEAZEY.....P		27.2	
XYR	1942	38	10.9	CW.....ENUMCLAW.....PD		23.8	
X	1945	37	14.3	BUCKLEY.....		20.4	
				To Cascade Jct. 4.3			
	CB8	S3	27.1	CARBONADO.....		24.5	
	CB5	44	22.9	WILKESON.....		20.4	
				To Cascade Jct. 4.3			
X	1949		18.6	CASCADE JCT.....		16.1	
X	1950	67	19.7	SOUTH PRAIRIE.....		15.0	
	1955	27	24.2	CROCKER.....		10.5	
XY	1958	43	26.9	ORTING.....		7.8	
YX	1966		34.7	MEEKER.....P		0.0	

EASTWARD TRAINS ARE SUPERIOR TO WESTWARD TRAINS OF THE SAME CLASS.

EIGHTH SUB-DIVISION
(GREEN RIVER BRANCH)

WESTWARD

EASTWARD

				Time Table No. 81A			
				October 27, 1963			
				STATIONS			
				Telegraph Offices and Calls			
Water, Fuel, Scales, Turn Tables, Wyes and Yard Limits.	Station Numbers.	Car Capacity of Sidings.	Distance from Bagley Jct.			Distance from Kanaskat.	
X			0.0	BAGLEY JCT.....		6.1	
X	CJ4	15	2.2	SELLECK.....		3.9	
			5.1	KANASKAT JCT.....		1.0	
YZX R	A1	125	6.1	GV.....KANASKAT.....DN		0.0	

EASTWARD TRAINS ARE SUPERIOR TO WESTWARD TRAINS OF THE SAME CLASS.

**TWENTY-FIRST SUB-DIVISION
(WILLAPA HARBOR LINE)**

WESTWARD

EASTWARD

Water, Fuel, Scales, Turn Tables, Wyes and Yard Limits.	Station Numbers.	Car Capacity of Sidings.	Distance from Chehalis Jct.	Time Table No. 81A		Distance from South Bend.
				October 27, 1963		
				STATIONS		
				Telegraph Offices and Calls		
YX	2032		0.0	CHEHALIS JCT.....P		56.5
	CW 2		3.4	LITTELL.....		53.1
	CW 5	89	4.7	ADNA.....		51.8
RX		Conn.	6.6	MILLBURN.....		49.9
	CW10	29	10.0	CERES.....		46.5
		S53	12.2	MESKILL PIT.....		44.3
X	CW16	88	16.3	DRYAD.....		40.2
X		Conn.	16.8	DRYAD JCT.....		39.7
X	CW22	55	22.3	PE ELL.....D		34.2
X	CW29	50	28.8	PLUVIUS.....P		27.7
	CW35	65	35.2	FRANCES.....		21.3
	CW38	6	37.9	LEBAM.....		18.6
	CW42	30	42.3	HOLCOMB.....		14.2
	CW46	7	46.5	MENLO.....		10.0
	CW50	11	50.5	WILLAPA.....		6.0
X	CW53	70	53.1	ND.....RAYMOND.....D		3.4
WYX R	CW57	66	56.5	SOUTH BEND.....		0.0

EASTWARD—South Bend to Chehalis Jct.

EASTWARD TRAINS ARE SUPERIOR TO WESTWARD TRAINS OF THE SAME CLASS.

**TWENTY-FOURTH SUB-DIVISION
(NACHES AND TIETON BRANCHES)**

WESTWARD

EASTWARD

Water, Fuel, Scales, Turn Tables, Wyes and Yard Limits.	Station Numbers.	Car Capacity of Sidings.	Distance from Yakima.	Time Table No. 81A		Distance from Naches.
				October 27, 1963		
				STATIONS		
				Telegraph Offices and Calls		
KRO WZTX	1811	Yard	0.0	YA-KM...YAKIMA.....DN		13.5
	KX3	9	2.7	FRUITVALE.....		10.8
X	KX4	18	4.2	BRACE.....		9.3
				To Weikel 4.9 To Glead 2.6		
	KL5	13	9.1	WEIKEL.....		14.2
	KL9	25	12.7	COWICHE.....		17.8
	KL10	84	13.3	HOLTZINGER.....		18.4
YX	KL12	50	15.8	TIETON.....		20.9
	KX6	53	6.8	GLEED.....		6.7
	KX8	10	8.0	ESCHBACH.....		5.5
	KX14	102	13.5	NACHES.....		0.0

EASTWARD—Naches to Yakima, and Tieton to Brace.

EASTWARD TRAINS ARE SUPERIOR TO WESTWARD TRAINS OF THE SAME CLASS.

**TWENTY-SECOND SUB-DIVISION
(YACOLT BRANCH)**

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WESTWARD

EASTWARD

Water, Fuel, Scales, Turn Tables, Wyes and Yard Limits.	Station Numbers.	Car Capacity of Sidings.	Distance from Rye.	Time Table No. 81A		Distance from Vancouver Jct.
				October 27, 1963		
				STATIONS		
				Telegraph Offices and Calls		
VX	CY 4	64	0.0	RYE.....		3.6
	CX25		3.6	VANCOUVER JCT.....P		0.0

EASTWARD—Vancouver Jct. to Rye.

EASTWARD TRAINS ARE SUPERIOR TO WESTWARD TRAINS OF THE SAME CLASS.

**TWENTY-THIRD SUB-DIVISION
(MOXEE BRANCH)**

WESTWARD

EASTWARD

Water, Fuel, Scales, Turn Tables, Wyes and Yard Limits.	Station Numbers.	Car Capacity of Sidings.	Distance from Yakima.	Time Table No. 81A		Distance from Moxee City.
				October 27, 1963		
				STATIONS		
				Telegraph Offices and Calls		
KRO WZTX	1811	Yard	0.0	YA-KM...YAKIMA.....DN		8.5
	KM3	7	3.1	TERRACE HEIGHTS.....		5.4
	KM5	9	5.5	BIRCHFIELD.....		3.0
	KM9	33	8.5	MOXEE CITY.....		0.0

EASTWARD—Moxee City to Yakima.

EASTWARD TRAINS ARE SUPERIOR TO WESTWARD TRAINS OF THE SAME CLASS.

**SIXTH SUB-DIVISION
(ROSLYN BRANCH)**

WESTWARD

EASTWARD

Water, Fuel, Scales, Turn Tables, Wyes and Yard Limits.	Station Numbers.	Car Capacity of Sidings.	Distance from Cle Elum.	Time Table No. 81A		Distance from Ronald.
				October 27, 1963		
				STATIONS		
				Telegraph Offices and Calls		
R WYXZ	1873	Yard	0.0	CL...CLE ELUM.....DN		5.4
	CA4		3.5	ROSLYN.....P		1.9
	CA6		5.4	RONALD.....		0.0

EASTWARD TRAINS ARE SUPERIOR TO WESTWARD TRAINS OF THE SAME CLASS.

8 TENTH SUB-DIVISION
WESTWARD (ORTING BRANCH) EASTWARD

Water, Fuel, Scales, Turn Tables, Wyes and Yard Limits.	Station Numbers.	Car Capacity of Sidings.	Distance from Lake Kapowsin.	Time Table No. 81A October 27, 1963		Distance from Orting.	EASTWARD—Orting to Lake Kapowsin.
				STATIONS			
				Telegraph Offices and Calls			
	CE10	75	0.0	..... LAKE KAPOWSIN.....		10.1	
	YX	1958	10.1	..... ORTING.....		0.0	

EASTWARD TRAINS ARE SUPERIOR TO WESTWARD TRAINS OF THE SAME CLASS.

ELEVENTH SUB-DIVISION
WESTWARD (BELT LINE) EASTWARD

Water, Fuel, Scales, Turn Tables, Wyes and Yard Limits.	Station Numbers.	Car Capacity of Sidings.	SECOND CLASS 675		Distance from Black River.	Time Table No. 81A October 27, 1963		Distance from Woodinville.	SECOND CLASS 676	
			Freight	Daily		STATIONS			Freight	Daily
						Telegraph Offices and Calls				
RYX	CF21	18	L	7.05 AM	0.0	BI.... BLACK RIVER..PDN		24.5	A	9.59 PM
X	BA22	13		7.38	2.1	RT..... RENTON.....D		22.4		9.52
	BA19	33		7.47	6.2	..... QUENDALL.....		18.3		9.42
	BA12	22		7.59	11.8	..... WILBURTON.....		12.7		9.30
	BA11	57		8.01	12.7	..... BELLEVUE.....		11.8		9.28
	BA 7	54		8.11	17.0	KR.... KIRKLAND....DN		7.5		9.20
RYX	CF55	Yard	A	8.26 AM	24.5	CJ.... WOODINVILLE...PD		0.0	L	9.06 PM
				1.21		Time Over Subdivision				.53
				18.1		Average Speed Per Hour				27.8

EASTWARD TRAINS ARE SUPERIOR TO WESTWARD TRAINS OF THE SAME CLASS.

TWELFTH SUB-DIVISION
WESTWARD (SNOQUALMIE BRANCH) EASTWARD

Water, Fuel, Scales, Turn Tables, Wyes and Yard Limits.	Station Numbers.	Car Capacity of Sidings.	Distance from Woodinville.	Time Table No. 81A October 27, 1963		Distance from North Bend.	EASTWARD—North Bend to Woodinville.
				STATIONS			
				Telegraph Offices and Calls			
RXY	CF55	Yard	0.0	CJ.... WOODINVILLE.... PD		35.7	
	BC 7	20	6.5	..... REDMOND..... D		29.2	
	BC15	48	14.6	..... MONOHON.....		21.1	
X	BC19	19	18.6	..... ISSAQUAH.....		17.1	
	BC26	28	25.3	..... PRESTON.....		10.4	
	BC29	52	28.8	..... FALL CITY.....		6.9	
X	BC32	54	31.8	..... SNOQUALMIE FALLS.....		3.9	
X	BC33	24	32.7	..... SNOQUALMIE..... D		3.0	
XY	BC36	21	35.7	..... NORTH BEND.....		0.0	

EASTWARD TRAINS ARE SUPERIOR TO WESTWARD TRAINS OF THE SAME CLASS.

THIRTEENTH SUB-DIVISION
WESTWARD (HARTFORD LINE) EASTWARD

Water, Fuel, Scales, Turn Tables, Wyes and Yard Limits.	Station Numbers.	Car Capacity of Sidings.	SECOND CLASS 675		Distance from Bromart.	Time Table No. 81A October 27, 1963		Distance from Edgecomb.	SECOND CLASS 676	
			Freight	Daily		STATIONS			Freight	Daily
						Telegraph Offices and Calls				
RX	CF68	86	L	9.00 AM	0.0	..... BROMART.....		19.9	A	8.35 PM
WYX	CF69	Yard		9.05	1.1	OM.... SNOHOMISH... PD		18.8		8.30
	CF74	43		9.14	6.3	..... MACHIAS.....		13.6		8.22
	CF77	Yard		9.20	9.4	..... HARTFORD..... P		10.5		8.16
	CF82	55		9.30	13.9	..... GETCHELL..... P		6.0		8.07
RX	CF88	52	A	9.42 AM	19.9	..... EDGECOMB..... P		0.0	L	7.53 PM
				.42		Time Over Subdivision				.42
				28.4		Average Speed Per Hour				28.4

EASTWARD TRAINS ARE SUPERIOR TO WESTWARD TRAINS OF THE SAME CLASS, EXCEPT NO. 675 IS SUPERIOR TO NO. 676.

FOURTEENTH SUB-DIVISION
WESTWARD (DARRINGTON BRANCH) EASTWARD

Water, Fuel, Scales, Turn Tables, Wyes and Yard Limits.	Station Numbers.	Car Capacity of Sidings.	Distance from Arlington Jet.	Time Table No. 81A October 27, 1963		Distance from Darrington.	EASTWARD—Darrington to Arlington Jet.
				STATIONS			
				Telegraph Offices and Calls			
X	CF92		0.0	..... ARLINGTON JCT..... P		27.7	
	BK11	50	11.1	..... OSO.....		16.6	
	BK17	30	16.9	..... HAZEL.....		10.8	
	BK19	26	18.0	..... TULKER.....		9.7	
	BK21	512	20.6	..... FORTSON.....		7.1	
RYX	BK28	Yard	27.7	..... DARRINGTON..... D		0.0	

EASTWARD TRAINS ARE SUPERIOR TO WESTWARD TRAINS OF THE SAME CLASS.

FIFTEENTH SUB-DIVISION
WESTWARD (BELLINGHAM BRANCH) EASTWARD

Water, Fuel, Scales, Turn Tables, Wyes and Yard Limits.	Station Numbers.	Car Capacity of Sidings.	Distance from Wickersham.	Time Table No. 81A October 27, 1963		Distance from Bellingham.
				STATIONS		
				Telegraph Offices and Calls		
RYX	CF128	Yard	0.0	..... WICKERSHAM..... P		20.4
	BM1	28	1.5	..... MIRROR LAKE.....		18.9
	BM4	16	4.1	..... PARK.....		16.3
	BM11	31	11.7	..... AGATE BAY.....		8.7
	BM16	31	16.3	..... LARSON.....		4.1
KR WYXZ	BM20	Yard	20.4	WD.... BELLINGHAM.... PD		0.0

EASTWARD TRAINS ARE SUPERIOR TO WESTWARD TRAINS OF THE SAME CLASS.

FIFTH SUB-DIVISION

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WESTWARD

(SUMAS BRANCH)

EASTWARD

Water, Fuel, Scales, Turn Tables, Wyes and Yard Limits.	Station Numbers.	Car Capacity of Sidings.	SECOND CLASS	FIRST CLASS		Distance from King St. Station, Seattle.	Time Table No. 81A October 27, 1963	Distance from Sumas.	FIRST CLASS	SECOND CLASS	
			675	601	581				572	592	676
			Freight	G.N. 360	G.N. 358				G.N. 357	G.N. 359	
			Daily	Passenger	Passenger				Passenger	Passenger	Freight
TW XYO KR	CF31	Yard				0.0	UD..... SEATTLE..... DN King St. Station—South Portal 1.5 Double Track	128.0	Daily	Daily	
STATIONS											
Telegraph Offices and Calls											

BETWEEN SOUTH PORTAL AND NORTH PORTAL INTERLOCKING RULES AND KING STREET PASSENGER STATION TUNNEL RULES GOVERN

						1.5	J..... NORTH PORTAL... DN	126.5		
X	CF35	Yard				2.5	..... INTERBAY..... P	124.0		
XY	CF37	36				2.9	..... FREMONT.....	121.1		
X	CF39					1.8	..... UNIVERSITY..... P	119.3		
	CF46					7.1	..... LAKE.....	112.2		
	CF53	S16				6.8	B..... BOTHELL..... PD	105.4		
RYX	CF55	Yard	L 8.26 AM			1.6	CJ..... WOODINVILLE... PD	103.8		A 9.06 PM
X	CF60	58 58	8.46			0.0	..... MALTBY.....	97.8		8.53
RX	CF68	S 6	A 9.00 AM			7.4	..... BROMART.....	90.4		L 8.35 PM
		59				0.5	SH..... G. N.-SNOHOMISH... D	89.9		
						5.8				

BETWEEN G. N. SNOHOMISH AND LOWELL TRAINS WILL BE GOVERNED BY GREAT NORTHERN RY. TIME TABLE AND RULES.

X	BB6	71				43.9	..... LOWELL.....	84.1		
RWX YZ	BB8	Yard				0.2	..... BELT YARD.....	83.9		
X						1.3	EV..... EVERETT..... D	82.6		
X			VIA HART-FORD LINE 13th SUB.	L 3.42 PM	L 8.58 AM	0.1	..... SEALINE JCT.....	82.5	A 10.57 AM	A 3.35 PM
X				A 3.46 PM	A 9.01 AM	1.2	..... G. N. JCT.....	81.3	L 10.54 AM	L 3.32 PM
X						0.6	..... MILWAUKEE JCT.....	80.7		
X		Old 81 New 82				0.8	..... ROGER.....	79.9		
X						0.4	WY..... DELTA JCT..... DN	79.5		
						6.0				

BETWEEN DELTA JCT. AND KRUSE TRAINS WILL BE GOVERNED BY GREAT NORTHERN RY. TIME TABLE AND RULES.

RX	CF88	52	L 9.42 AM			54.5	..... KRUSE.....	73.5		
RWYX	CF91	Yard	10.04			3.8	..... EDGEComb..... P	69.7		A 7.53 PM
X	CF92		10.07			3.1	A..... ARLINGTON... PDN	66.6		7.23
	CF95	66				0.9	..... ARLINGTON JCT.... P	65.7		7.19
	CF101	13				2.9	..... BRYANT.....	62.8		7.13
	CF107	13				6.3	..... McMURRAY.....	56.5		7.01
	CF109	53				5.7	..... MONTBORNE..... P	50.8		6.49
	CF114	16				1.7	..... BIG LAKE.....	49.1		6.45
WTX	CF117	Yard	10.56			5.4	..... CLEAR LAKE.....	43.7		6.33
	CF122	36	10.10			3.2	WL..... SEDRO-WOOLLEY... PD	40.5		6.24
RYX	CF128	Yard	11.18			7.3	..... THORNWOOD.....	33.2		6.11
	CF133	10	11.28			4.5	..... WICKERSHAM..... P	28.7		6.01
	CF141	31	11.44 AM			5.0	..... ACME.....	23.7		5.51
	CF151	12	12.03 PM			7.9	..... DEMING..... P	15.8		5.35
RWX YZ	CF157	Yard	A 12.20 PM			0.4	..... NOOKSACK.....	6.4		5.16
						6.4	SM..... SUMAS..... PDN	0.0		L 5.00 PM
			3.12	.04	.03		Time Over Subdivision		.03	.03
			25.8	18.0	24.0		Average Speed Per Hour		24.0	24.0
										24.4

EASTWARD TRAINS ARE SUPERIOR TO WESTWARD TRAINS OF THE SAME CLASS, EXCEPT NO. 675 IS SUPERIOR TO NO. 676.

10 EIGHTEENTH SUB-DIVISION
WESTWARD (GATE LINE) EASTWARD

Water, Fuel, Scales, Turn Tables, Wyes and Yard Limits.	Station Numbers.	Car Capacity of Sidings.	SECOND CLASS		Distance from Centralia.	Time Table No. 81A		Distance from Gate.	SECOND CLASS	
			695			October 27, 1963			696	
			Freight	Daily Ex. Sun.		STATIONS			Freight	Daily Ex. Sun.
						Telegraph Offices and Calls				
KR WYZX	2027	Yard	L 1.00 AM	0.0	CN... CENTRALIA... PDN	} Double Track	13.8	A 7.35 PM		
X			1.10	2.4	... BLAKESLEE JCT. ...		11.4	7.28		
	CK51	57	1.19	6.6	... GRAND MOUND ...		7.2	7.16		
	CK47	49	1.28	11.2	... ROCHESTER ...		2.6	7.03		
					... GATE ...		0.0	L 6.55 PM		
YX	CK44	75	A 1.35 AM	13.8						

EXCEPT ON DOUBLE TRACK, EASTWARD TRAINS ARE SUPERIOR TO WESTWARD TRAINS OF THE SAME CLASS.

SIXTEENTH SUB-DIVISION
WESTWARD (GRAYS HARBOR LINE) EASTWARD

Water, Fuel, Scales, Turn Tables, Wyes and Yard Limits.	Station Numbers.	Car Capacity of Sidings.	SECOND CLASS		Distance from St. Clair.	Time Table No. 81A		Distance from Moclips.	SECOND CLASS	
			695			October 27, 1963			696	
			Freight	Daily Ex. Sun.		STATIONS			Freight	Daily Ex. Sun.
						Telegraph Offices and Calls				
X	CS28	44		0.0	... SAINT CLAIR ... P		100.5			
	CK18	16		3.1	... QUADLOK ...		97.4			
	CK20	30		4.5	... LACEY ...		96.0			
ROYZX	CK25	Yard		9.5	OY... OLYMPIA ... PD		91.0			
	CK34	28		14.7	... BELMORE ...		85.8			
	CK37	29		21.3	... LITTLE ROCK ... P		79.2			
YX	CK44	75	L 1.35 AM	28.6	... GATE ... P		71.9	A 6.55 PM		
	CM 5	55		1.44	... OAKVILLE ... P		67.0	6.40		
	CM13	12		1.59	... PORTER ... P		59.1	6.19		
KXY	CM19	52		2.25	EF... ELMA ... DN		52.5	6.01		
	CM23	27		2.32	... SATSOP ...		48.7	5.32		
X	CM29	58		2.43	MO... MONTESANO ... PD		42.7	5.15		
YX	CM37	Yard		3.00	... ABERDEEN JCT. ... P		34.3	4.53		
RZX	CM40	Yard		3.30	SA... ABERDEEN ... PDN		31.5	4.45		
TWY KZXO	CM44	Yard	A 3.45 AM	72.5	HO... HOQUIAM ... PD		28.0	L 4.15 PM		
	CM56	85		85.1	... TULIPS ...		15.4			
	CM61	17		88.3	... COPALIS ...		12.2			
	CM63	43		91.5	... CARLISLE ...		9.0			
	CM64	27		92.6	... ONSLOW ...		7.9			
	CM68	17		96.3	... ALOHA ...		4.2			
	CM69			98.0	... PACIFIC BEACH ...		2.5			
YX	CM72	36		100.5	... MOCLIPS ... P		0.0			
				2.10	Time Over Subdivision			2.40		
				20.2	Average Speed Per Hour			16.4		

EXCEPT ON DOUBLE TRACK, EASTWARD TRAINS ARE SUPERIOR TO WESTWARD TRAINS OF THE SAME CLASS.

DOUBLE TRACK BETWEEN ABERDEEN AND HOQUIAM RIVER DRAWBRIDGE.

NINETEENTH SUB-DIVISION
(ELMA BRANCH)
WESTWARD (U. S. GOVERNMENT RAILWAY) EASTWARD

Water, Fuel, Scales, Turn Tables, Wyes and Yard Limits.	Station Numbers.	Car Capacity of Sidings.	Distance from Bangor.	Time Table No. 81A		Distance from Elma.
				October 27, 1963		
				STATIONS		
				Telegraph Offices and Calls		
KR XY	CH68	Yard	0.0	BG... BANGOR ... PD		68.5
	CH65	49	3.4	... SILVERDALE ... P		65.1
X	CH63	63	5.9	... N. A. D. JCT. ... P		62.6
				To Bremerton Jct. 5.3		
TXR	CH62	Yard	15.8	BM... BREMERTON ... PD		61.9
				To Bremerton Jct. 4.6		
	CH57	64	11.2	... BREMERTON JCT. ... P		57.3
	CH54	59	14.3	... BELFAIR ... P		54.2
	CH41	59	26.9	... ALLYN ... P		41.6
	CH28	Yard	39.9	... BAY SHORE ... P		28.6
RX	CH25	Yard	43.4	NS... SHELTON ... PD		25.1
	CH15	55	54.1	... MARMAC ... P		14.4
	CH10	23	58.4	... STIMSON ... P		10.1
				To McCleary Jct. 2.6		
	CH 8	S15	61.0	... MCCLEARY ...		8.2
				To McCleary Jct. 0.7		
XY	CH 7	14	61.7	... MCCLEARY JCT. ... P		7.5
	CH 4	86	64.5	... WHITES ...		4.0
YX KR	CM19	77	68.5	EF... ELMA ... DN		0.0

EASTWARD TRAINS ARE SUPERIOR TO WESTWARD TRAINS OF THE SAME CLASS.

The line between Shelton-Bangor-Bremerton is owned by the United States Government and its maintenance and operation by the Northern Pacific is covered by contract with the Government.

TWENTIETH SUB-DIVISION
WESTWARD (OCOSTA BRANCH) EASTWARD

Water, Fuel, Scales, Turn Tables, Wyes and Yard Limits.	Station Numbers.	Car Capacity of Sidings.	Distance from Aberdeen.	Time Table No. 81A		Distance from Markham.
				October 27, 1963		
				STATIONS		
				Telegraph Offices and Calls		
YX	CM37	Yard	0.0	SA... ABERDEEN ... PDN		10.7
				To South Aberdeen Jct. 0.6		

Between Aberdeen and South Aberdeen Jct., Trains Will be Governed by Union Pacific Time Table and Rules.

X	CG 2	30	2.3	... COSMOPOLIS ...		12.4
X			0.6	... SOUTH ABERDEEN JCT. ...		10.1
X	CR 3	50	1.2	... SOUTH ABERDEEN ...		9.5
X	CR13	10	10.7	... MARKHAM ...		0.0

EASTWARD TRAINS ARE SUPERIOR TO WESTWARD TRAINS OF THE SAME CLASS.

EASTWARD—Elma to Bangor, McCleary Jct. to McCleary, and Bremerton Jct. to Bremerton.

COMMERCIAL SPURS.

FIRST SUBDIVISION	Miles from Yakima	Car Capacity
Holmes.....	34.1	41
Cabin Creek.....	76.6	Conn.
Lemolo.....	113.2	17
Henrys.....	124.8	Conn.

SECOND SUBDIVISION	Miles from Seattle	Car Capacity
Rhodes.....	6.8	40
Wieser.....	13.0	40
Pioneer Sand.....	14.7	13
Lynch Mfg.....	16.8	16
Valley Metals.....	16.9	5

THIRD SUBDIVISION	Miles from Tacoma	Car Capacity
Pioneer.....	13.2	60
Gravel Center.....	13.6	30
Cascade Paper (West Tacoma).....	14.4	16
Millman Lumber Co.....	73.1	5
North Pacific Grain Growers.....	108.8	38

FOURTH SUBDIVISION	Miles from Tacoma	Car Capacity
Weston.....	6.6	26
Hull Hardwood.....	7.8	2
Metreco.....	10.9	25
Spanaway.....	12.3	Conn.
Wetico.....	31.9	10

FIFTH SUBDIVISION	Miles from King St. Station	Car Capacity
Keith.....	12.2	13
Navalair Jct.....	13.6	Conn.
Lake Forest Park.....	18.6	2
Kenmore.....	19.4	22
Lawrence.....	116.4	6

SEVENTH SUBDIVISION	Miles from Palmer Jct.	Car Capacity
Brew Mill.....	33.7	Conn.

ELEVENTH SUBDIVISION	Miles from Black River	Car Capacity
Scopa.....	4.7	104

TWELFTH SUBDIVISION	Miles from Woodinville	Car Capacity
Earlmount.....	4.5	8
Tanner.....	37.9	9

FOURTEENTH SUBDIVISION	Miles from Arlington Jct.	Car Capacity
Germain.....	9.9	2
Andron.....	26.7	Conn.

SIXTEENTH SUBDIVISION	Miles from St. Clair	Car Capacity
Ohm.....	13.9	20

SEVENTEENTH SUBDIVISION	Miles from Lakeview	Car Capacity
Wegoe.....	6.4	Wye

NINETEENTH SUBDIVISION	Miles from Elma	Car Capacity
Doubling.....	20.3	12
Burken Pro Gas.....	21.4	3
Olympia Plywood.....	24.1	10
Reed Shingle.....	24.3	6
Hunt Fuel.....	61.0	2
Pro-Gas.....	62.2	4
Wesco.....	58.9	5

TWENTY-SECOND SUBDIVISION	Miles from Vancouver Jct.	Car Capacity
Ampere.....	2.5	20

TWENTY-THIRD SUBDIVISION	Miles from Yakima	Car Capacity
National Can.....	2.6	9
Valley Junk.....	3.7	3

TWENTY-FOURTH SUBDIVISION	Miles from Brace	Car Capacity
Tasker.....	10.6	9

	Miles from Yakima	Car Capacity
Bonlow.....	12.1	3
Rowe.....	10.8	5
Ackley.....	4.2	4
Gammie Reed.....	2.4	9
Kiles.....	1.8	8

THROUGH FREIGHT SERVICE.

WESTWARD

FOR INFORMATION ONLY.

EASTWARD

THIRD	SECOND		SECOND	FIRST	FIRST			FIRST	FIRST		SECOND	SECOND	THIRD	
671	679	691	671	679	671	681		692	672	680	690	672	680	672
	L 10.30 PM			L 3.30 PM			..... PORTLAND.....			A 4.30 AM			A 8.30 AM	
L 10.30 PM		L 8.15 PM	L 6.00 PM		L 9.00 AM	L 10.30 AM	..... VANCOUVER.....	A 11.00 AM	A 8.00 AM		A 3.30 AM	A 6.00 PM		A 5.00 AM
		A 1.00 AM				A 2.30 PM	..... U. P. JCT.....	L 4.30 AM			L 11.30 PM			
4.30 AM	4.30 AM		12.30 AM	9.00 PM	5.00 PM		..... TACOMA.....		3.30 AM	10.30 PM		1.30 PM	3.00 AM	10.00 PM
	A 5.30 AM			A 10.30 PM			..... MIDDLE YARD.....			L 8.30 PM			L 1.00 AM	
A 6.00 AM			A 2.00 AM		A 6.30 PM		..... SEATTLE.....		L 2.00 AM			L 12.01 PM		L 7.30 PM

First Subdivision.**LESTER.**

Switch at double track interlocked.

EASTON.

Switch at double track interlocked.

Second Subdivision.**SEATTLE.**

South Portal of King St. Tunnel, interlocked.

On Colorado Ave. Line:

Atlantic St., UP-CMStP&P Crossing.

Spokane St., Interlocked.

Between Spokane St. and Argo, CMStP&P Duwamish Ave. crossing.

Diagonal Wye, on tail track, CMStP&P Crossing.

On West Seattle Line:

East Marginal Way, joint track crossing.

Drawbridge 36-8, Interlocked.

Argo—UP—PC Crossing, Interlocked.

Between Black River and Argo:

CMStP&P Crossing, Interlocked.

Reservation: Junction UP—Interlocked.

Between Reservation and Union Depot, Drawbridge Line:

UP Crossing—Interlocked.

Drawbridge 39—Interlocked.

Drawbridge 39 to Union Depot—Interlocked.

Between Reservation and Union Depot:

21 Street to Union Depot—Interlocked.

Tacoma, Lincoln Ave. Line—CMStP&P Crossing.

Third Subdivision.

Between Union Depot and McCarver Street:

Union Depot to 11th Street—Interlocked.

Between Titlow and Steilacoom:

Drawbridge 14, Chambers Creek, Interlocked.

Chehalis Jct., CMStP&P Crossings, Interlocked.

Between Longview Jct. and Longview (Longview Line)

Drawbridge 0.59, Cowlitz River, Interlocked.

Between Woodland and Ridgefield:

Drawbridge 119, Lewis River, Interlocked.

Fourth Subdivision.

Between Moon Yard and South Tacoma:

Moon Yard to Pacific Avenue—Interlocked.

Fifth Subdivision.**SEATTLE.**

North and South Portals, King St. Tunnel, Interlocked.

INTERBAY.

Lead to Naval Supply Depot, GN Crossing, Automatic Interlocking.

Between Interbay and Fremont:

Drawbridge 4, Lake Washington Canal, Interlocked.

EVERETT.

GN Crossing protected by manually operated electrically locked gates.

Delta Jct., GN Junction, Interlocked.

Between Clear Lake and Sedro-Woolley:

Drawbridge 85, Skagit River.

Between Sedro-Woolley and Thornwood:

Two GN Crossings.

Between Nooksack and Sumas:

CMStP&P Crossing.

Eleventh Subdivision.

Renton: PCR Crossing, Interlocked.

Between Renton and Quendall: PCR Crossing.

Woodinville: 12th Subdivision Crossing.

Twelfth Subdivision.

Woodinville: 11th Subdivision Crossing.

Tanner: CMStP&P Crossing.

Thirteenth Subdivision.

Between Bromart and Snohomish:

Drawbridge 38, Snohomish River.

Fifteenth Subdivision.

Between Bellingham and South Bellingham:

GN Crossing.

Sixteenth Subdivision.

Aberdeen: Drawbridge 68, Wishkah River, Interlocked.

HOQUIAM:

Drawbridge 72-2, Hoquiam River, Interlocked.

Drawbridge 3-2, Hoquiam River Spur.

Seventeenth Subdivision

At Fort Lewis, in Dupont Powder Works,

Four Narrow Gauge Railroad Crossings

All protected by gates with reflectorized Stop Signals.

Eighteenth Subdivision.

Blakeslee Jct.: UP—CMStP&P Crossing, Automatic Interlocking.

Between Rochester and Gate: CMStP&P Crossing.

Nineteenth Subdivision.

Between Shelton and Bayshore:

Simpson Logging Co's. crossing 200 feet east of Government Railway connection.

Twentieth Subdivision.

South Aberdeen: UP Crossing.

Twenty-First Subdivision.

Between Chehalis Jct. and Littell:

CW Crossing, Automatic Interlocking.

Between Raymond and South Bend:

Drawbridge 53, Willapa River.

Twenty-Fourth Subdivision.

Yakima: YVT Crossing.

D. E. CARLSON,
Assistant Superintendent.**D. PEINOVICH,**
Assistant Superintendent.**E. M. OVERLIE,**
Trainmaster.**J. W. SCHMIDT,**
Trainmaster-Roadmaster.**F. W. COCHRAN,**
Trainmaster.**L. F. WIECKING,**
Trainmaster.**J. C. BERGMAN,**
Trainmaster.**G. W. THOMPSON,**
Trainmaster.**C. G. STILLMAN,**
Chief Dispatcher.