

SPOKANE. PORTLAND & SEATTLE R'Y CO.

ASTORIA DIVISION

TIME TABLE

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

SUNDAY, NOVEMBER 2, 1913

THIS TIME TABLE IS FOR THE USE OF EMPLOYEES ONLY
DESTROY ALL PREVIOUS TIME TABLES

G. E. JOHNSON, Trainmaster

J. McGUIRE, Superintendent

J. RUSSELL, General Superintendent

WEST BOUND								FIRST DISTRICT—PORTLAND TO ASTORIA										EAST BOUND							
SECOND CLASS		FIRST CLASS						Capacity of Side Tracks	Distance from Portland	Time Table No. 56 NOVEMBER 2, 1913		Distance from Astoria	Water, Wyes, Turn Tables, Fuel and Scales.	FIRST CLASS						SECOND CLASS					
81				23	27	25	21			26	22			28	24				82						
Freight				Passenger	Passenger	Passenger	Passenger			Passenger	Passenger			Passenger	Passenger				Freight						
Daily Ex. Sunday				Daily	Daily	Daily	Daily			STATIONS			Daily	Daily	Daily	Daily	Daily Ex. Sunday								
L 5.30 AM				L 6.30 PM	L 5.35 PM	L 12.50 PM	L 8.10 AM	Yard	0.0	DN.....PORTLAND.....OW	99.8	W T F	A 9.45 AM	A 12.15 PM	A 5.00 PM	A 10.10 PM	A 3.30 PM								
BETWEEN PORTLAND AND WILLBRIDGE TRAINS WILL BE GOVERNED BY TERMINALS DIVISION TIME TABLE AND SPECIAL RULES																									
6.00				6.46	5.51	1.06	8.26		4.5	DN.....WILLBRIDGE.....BA	95.3		9.29	11.59	4.44	9.54	3.00								
6.15				6.51	s 5.57	s 1.12	8.31	37	7.3	D.....LINNTON.....IN	92.5		s 9.23	11.52	s 4.37	f 9.48	2.45								
6.40				6.59	f 6.06	f 1.24	f 8.41	35	12.5	HOLBROOK.....	87.3	W 3 MI. W.	f 9.12	11.42	f 4.24	f 9.37	2.20								
7.15				7.10	s 6.20	s 1.40	s 8.55	41	19.8	D.....SCAPPOOSE.....SQ	80.0		s 8.55	s 11.28	s 4.07	s 9.23	2.5 1.40								
7.35				7.17	f 6.30	f 1.50	s 9.04	34	24.2	WARREN.....	75.6		f 8.42	11.18	f 3.57	f 9.13	1.05								
7.47				7.22	6.37	1.57	9.09	46	27.1	SOUTH HOULTON.....	72.7		8.33	11.13	3.50	9.07	12.45								
7.50				7.23	s 6.38	s 1.58	s 9.10	7	27.5	D.....HOULTON.....HU	72.8		s 8.32	s 11.12	s 3.49	s 9.06	12.40								
8.21				7.28	f 6.47	f 2.05	f 9.17	55	31.2	MCBRIDE.....	68.6	W	f 8.21	11.05	f 3.40	f 8.58	12.17								
8.40				7.32	s 6.52	s 2.10	f 9.21	10	33.2	DEER ISLAND.....	66.6		s 8.13	11.00	s 3.34	f 8.54	12.01 PM								
9.10				7.37	f 7.02	f 2.18	9.30	30	37.2	CHARLTON.....	62.6		f 8.05	10.52	f 3.25	8.47	11.40								
9.35				s 7.42	s 7.07	s 2.23	s 9.35	112	39.4	D.....GOBLE.....GB	60.4	T	s 8.00	s 10.48	s 3.20	s 8.43	11.25								
10.10				s 7.55	A 7.25 PM	A 2.40 PM	s 9.48	16	45.8	D.....RAINIER.....RA	54.0	W 3 MI. E.	L 7.40 AM	s 10.36	L 3.00 PM	s 8.30	10.46								
10.15				7.57			9.50	59	46.8	WEST RAINIER.....	53.0			8.1-8.2 10.33		8.27	21-81-22 10.33 9.45								
11.15				f 8.15			f 10.03	19	53.5	PYRAMID.....	46.3			f 10.15		f 8.15	9.00								
11.25				f 8.21			f 10.10	15	55.9	MAYGER.....	43.9			f 10.10		f 8.07	8.45								
11.45				f 8.29			f 10.18	54	59.3	QUINCY.....	40.5	W		f 10.00		f 7.58	8.33								
11.55				f 8.32			f 10.22	20	60.5	INGLIS.....	39.3			f 9.57		f 7.55	8.28								
12.10 PM				s 8.37			s 10.27	108	62.3	D.....CLATSKANIE.....CN	37.5			s 9.53		f 7.50	8.20								
12.35				f 8.48			f 10.37	63	66.6	MARSHLAND.....	33.2			f 9.43		f 7.38	8.05								
1.00				f 8.59			f 10.50	35	71.2	WESTPORT.....	28.6			f 9.32		f 7.25	7.50								
1.10				f 9.04			f 10.56	18	73.6	WAUNA.....	26.3			f 9.25		f 7.17	7.40								
1.40				f 9.18			f 11.12	52	78.7	CLIFTON.....	21.1	W		f 9.12		f 7.03	7.20								
2.10				f 9.35			f 11.27	84.9		D.....BLIND SLOUGH.....No Siding BS	14.9			f 8.57		f 6.45	6.56								
2.20				f 9.40			f 11.32	37	86.6	KNAPPA.....	13.2			f 8.52		f 6.40	6.50								
2.40				f 9.50			f 11.42	49	90.3	SVENSEN.....	9.5			f 8.42		f 6.30	6.35								
3.05				f 10.05			f 11.55	40	95.4	JOHN DAY.....	4.4			f 8.30		f 6.15	6.20								
A 3.30 PM				A 10.20 PM			A 12.10 PM	Yard	99.8	DN.....ASTORIA.....RO	0.0	W T O F	L 8.15 AM		L 6.00 PM		L 6.00 AM								
81				23	27	25	21						26	22	28	24	82								
Daily Ex. Sunday				Daily	Daily	Daily	Daily						Daily	Daily	Daily	Daily	Daily Ex. Sunday								
10.0 10.0				3.50 26.3	1.50 25.4	1.50 25.4	4.00 24.8			Time Over District. Average Speed Per Hour.			2.05 21.8	4.00 24.9	2.00 22.9	4.10 23.7	9.30 10.5								
West No. 22 will stop on flag at Linnton, and No. 24 will stop on flag at Burlington to																									

WEST BOUND										SECOND DISTRICT — ASTORIA TO HOLLADAY										EAST BOUND									
SECOND CLASS		FIRST CLASS										Capacity of Side Tracks	Distances from Portland	Time Table No. 56 NOVEMBER 2, 1913		Distances from Holladay	Water, Wyes, Turn Tables, Fuel, and Scales	FIRST CLASS										SECOND CLASS	
85	83										23			21	22			24									84	86	
Mixed	Mixed										Passenger			Passenger	Passenger			Passenger									Mixed	Mixed	
Daily	Daily										Daily			Daily	Daily			Daily									Daily	Daily	
L 4.40PM	L 10.00AM										L 10.25PM	L 12.15PM	Yard	99.8	DN.....ASTORIA.....RO	19.3	WTOF	A 8.10AM	A 5.55PM							A 2.15PM	A 7.40PM		
														104.2	SUNNYMEAD No Siding	14.9		f 7.58	f 5.43							f 1.57	f 7.25		
													22	105.7	D...WARRENTON.....WA	13.4	Y	s 7.55 7.20	s 5.40							s 1.50 12.25	s 7.20		
													3	107.0	SKIPANON.....Spur	12.1		f 7.15	f 5.35							f 12.19	f 7.15		
													9	108.4	COLUMBIA BEACH Spur	10.7		f 7.12	f 5.32							f 12.14	f 7.11		
														109.8	GLENWOOD No Siding	9.3		f 7.08	f 5.29							f 12.09	f 7.07		
													2	110.6	CARNAHAN.....Spur	8.5		f 7.06	f 5.27							f 12.07	f 7.04		
													24	112.1	WEST.....	7.0		f 7.03	f 5.24							f 12.02PM	f 7.00		
														113.2	CLATSOP.....No Siding	5.9		f 7.01	f 5.21							f 11.58	f 6.57		
														114.5	BUTTERFIELD No Siding	4.6		f 6.58	f 5.18							f 11.53	f 6.52		
													14	115.7	D.....GEARHART.....GR	3.4		s 6.56	s 5.15							s 11.49	s 6.48		
														116.8	WAHANNAH.....No Siding	2.3		f 6.52	f 5.10							f 11.44	f 6.44		
														117.5	SURF.....No Siding	1.6		f 6.51	f 5.07							f 11.42	f 6.42		
													36	118.1	D.....SEASIDE.....SD	1.0	W	s 6.50	s 5.05							s 11.40	s 6.40		
													25	119.1	HOLLADAY.....	0.0	Y	L 6.40AM	L 4.55PM							L 11.25AM	L 6.30PM		
																		22	24							84	86		
																		Daily	Daily							Daily	Daily		
1.05 17.5	1.20 14.8										0.55 21.0	1.00 19.3			Time Over District. Average Speed Per Hour.			0.55 21.0	1.00 19.3							1.25 13.8	1.10 16.0		

FORT STEVENS BRANCH

SECOND CLASS		FIRST CLASS										Capacity of Side Tracks	Distances from Warrenton	Time Table No. 56		Distances from Fort Stevens	Water, Wyes Turn Tables and Scales	FIRST CLASS										SECOND CLASS	
89	87									43	NOVEMBER 2, 1913			44											88	90			
Mixed	Mixed									Passenger	STATIONS			Passenger											Mixed	Mixed			
Daily	Daily									Daily				Daily											Daily	Daily			
L 5.00PM	L 12.35PM									L 7.20AM	22	0.0	D..... WARRENTONWA	3.8	Y	A 7.50AM								A 1.50PM	A 5.40PM				
f 5.06	f 12.41									f 7.25		1.7	 FLAVEL	2.1		f 7.45							f 1.40	f 5.30					
f 5.11	f 12.46									s 7.30	4	2.9	HAMMONDSpur	0.9		s 7.40							f 1.35	f 5.25					
A 5.20PM	A 1.00PM									A 7.35AM	5	3.8	FORT STEVENS.....	0.0	Y	L 7.35AM							L 1.30PM	L 5.20PM					
Daily	Daily									Daily						Daily							Daily	Daily					
0.20 11.2	0.25 9.05									0.15 15.2			Time Over District. Average Speed Per Hour.			0.15 15.2							0.20 11.2	0.20 11.2					

EAST BOUND TRAINS ARE SUPERIOR TO WEST BOUND TRAINS OF THE SAME CLASS.

No. 43 is superior to No. 44, Warrenton to Fort Stevens.
No. 87 is superior to No. 88, Warrenton to Fort Stevens.
No. 89 is superior to No. 90, Warrenton to Fort Stevens.

No. 83 is superior to No. 84 Warrenton to Holladay
No. 85 is superior to No. 86 Warrenton to Holladay

GRADE CROSSINGS

P. & S.W. Ry. (Interlocking Plant)	3 Miles West of Scappoose
C. & N. V. Ry.	" "1.0 " East " McBride
G. N. & P. Ry.	" "1.3 " East " Goble
Benson Logging Co.	2 " West " Clatskanie

OVERHEAD CROSSINGS

South Side Lumber Co.	3.9 Miles West of Holbrook
St. Helens Lumber Co.	0.5 " East " Houlton
Columbia & Nehalem River Ry.	1.5 " " " Westport
Oregon Timber & Log Co.	1.4 " " " Clifton
Crossett Western Lumber Co.	0.5 " West " Knappa

SPUR TRACKS BETWEEN STATIONS

Portland Gas & Coke Co.	Heads West, 1.2 Miles West of Willbridge
Orwood Spur	" East, 1.0 " East " Linnton
West Oregon Lumber Spur	" West, .9 " West " "
Harbor track	" East, 2.9 " East " Holbrook
Burlington Lumber Spur	" West .7 " " " "
Honeymans Siding	1.9 " West " Scappoose
Prescott Spur	" East 2.5 " West " Goble
Rices Spur	" West, 1.2 " " " Rainier
Rinearson	" West, 2.1 " East " Pyramid
Fluhrers Spur	" East, .3 " East " Mayger
Wash. & Ore. Tim. Co. Spur	" East, 2.9 " East " Westport

JUNCTIONS WITH LOGGING ROADS

P. & S. W. Ry.	Heads East, .2 Miles West of Scappoose
St. Helens Lumber Co.	" West, .5 " East " Houlton
Columbia & N. V. Ry.	" East, .1 " " " McBride
Goble, Nehalem & Pacific Ry.	" " 1.2 " " " Goble
Benson Logging Co.	" " .2 " West " Clatskanie
Colum. & Nehalem Riv. Ry.	" " 1.4 " East " Westport
Oregon Timber & Log Co.	" West, 1.5 " " " Clifton
Crossett Western Lum. Co.	" " 0.3 " West " Knappa
Sorrenson Logging Co.	" " .7 " West " Svensen

LOCATION OF TUNNELS

No. 1	6.1 Miles West of Rainier
No. 2	6.2 " " " Rainier
No. 3	1.3 " East " Mayger
No. 4	6 " " " John Day

WATCH INSPECTORS

A. L. HAMAN, Chief Time Inspector, St. Paul, Minn.

PORTLAND	A. & C. FELDENHEIMER
"	AL. W. FIELD
ASTORIA	J. H. SEYMOUR

SPECIAL RULES

STANDARD CLOCKS LOCATED AT PORTLAND AND ASTORIA

Special care must be exercised when approaching all Bluffs where Slides are liable to occur, and Freight Brakemen must be on top of train when approaching and passing all Stations and Bluffs.

Registering stations: Portland, Rainier, Astoria, Warrenton and Seaside. All Fort Stevens branch trains will register arriving and departing time at Fort Stevens by Card at Warrenton.

Bulletin stations: Portland and Astoria.

Draw Bridges are located: Clatskanie River, 0.2 miles West of Clatskanie; Blind Slough, 2 miles East of Knappa; John Day River, 5 miles East of Astoria; Young's Bay, 2.5 miles West of Astoria; Skipanon Creek, 0.1 miles East of Warrenton.

Between Portland and Willbridge, all trains will be handled under Block System, which will consist of a Clearance Card, Form No. 1222, properly numbered and completed.

No train or engine will occupy trackage space in block district unless Conductor and Engineer hold authority conferred by Block Clearance Card.

See Rules on back of Clearance Card, Form 1222.

At Willbridge, Astoria Div. trains will be governed by position of the LOWER blades of semaphore.

Portland and Rainier are terminals for trains 25, 26, 27 and 28.

Portland and Astoria are terminals for trains 81 and 82.

Portland and Holladay are terminals for trains 21, 22, 23 and 24.

Train No. 87 will wait at Warrenton for connection with Train 21.

Train No. 24 will wait at Warrenton for connection with Train No. 90.

SPEED RESTRICTIONS

LOCALITY	SPEED
Through Town of Linnton	20 Miles per Hour
Through City of Rainier	8 " "
Around Tongue Pt. Curve, MP. 97.10	" "
Through City of Astoria	10 " "
On Pacific Ave., Hammond	8 " "

SPEED TABLE

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

COMPANY SURGEONS

DR. E. B. MCDANIEL, Chief Surgeon, Electric Bldg., Portland
DR. J. A. DICKSON, Oculist, Selling Bldg., Portland
DR. S. M. MANN, Local Surgeon, Linnton
DR. A. P. McLAREN, Local Surgeon, Rainier
DR. J. A. FULTON, Local Surgeon, Astoria
DR. W. E. LEWIS, Local Surgeon, Seaside.

Surgeons will attend when called upon officially, to all cases of accident occurring to employes or passengers. In cases of sickness it is the intention to limit medical service to the locality or town where a surgeon resides, unless some urgent necessity exists, for which distinct official authority must be had in accordance with established regulations.

Railway Officials are required to call on the nearest authorized surgeons whenever practicable, when surgical or medical services are needed. When such are accessible, the Hospital Fund will not be responsible for bills for medical services rendered by any other physician. In the event of a sudden emergency, arising from accident, if necessary proper surgical aid should be procured until the arrival of a regularly appointed surgeon, when the case should be placed in his charge, and in no case should the services of any but an authorized company surgeon be continued at the expense of the Railway Company or of the Hospital Fund after such surgeon is able to assume charge of the case.

Boarding and Nursing are furnished only at hospitals with which the Company has made arrangements. We are not responsible for bills incurred elsewhere, unless specially authorized or approved by the Chief Surgeon, and then only in critical cases of injury or illness occurring in the discharge of duty.

STRETCHERS

are located at the following points:

Portland	Baggage Room
Rainier	Station
Astoria	Station

Intermediate Flag Stops not shown on face of card giving location and number of trains which will stop on flag.

Claremont Tavern	1.0 mile East of Linnton	25, 26, 27, 28
Ban's Spur	2.9 miles East of Holbrook	25, 26, 27, 28
Burlington	1.0 mile East of Holbrook	25, 26, 27, 28
Rocky Point	2.0 miles West of Holbrook	25, 26, 27, 28
Johnson's Crossing	2.5 miles East of Scappoose	25, 26, 27, 28
Honeymans	1.0 mile West of Scappoose	21, 25, 26, 27, 28
Tide Creek	1.5 miles East of Charlton	25, 26, 27, 28
Nehalem Junction	1.3 mile East of Goble	21, 25, 26, 27, 28
Prescott	3.0 miles East of Rainier	21, 24, 25, 26, 27, 28
Oasis	2.0 miles East of Rainier	25, 26, 27, 28
Rinearsons	2.0 miles East of Pyramid	21, 22, 23, 24
Downings	5 mile East of Pyramid	22, 23
Palm	1.3 miles West of Clatskanie	21, 22, 23, 24
Wood's Landing	2.0 miles East of Westport	21, 22, 23, 24
Ross' Landing	1.0 mile East of Westport	21, 22, 23, 24
Bugby	3.5 miles East of Clifton	21, 22, 23, 24
Parsons	1.5 miles East of Clifton	21, 22, 23, 24
Aldrich Point	3.0 miles West of Clifton	21, 22, 23, 24
Burnside	1.0 mile West of Svenson	21, 22, 23, 24
Fernhill	3.7 miles West of Svenson	21, 22, 23, 24
Tongue Point	3.0 miles East of Astoria	21, 22, 23, 24
Alderbrook	2.5 miles East of Astoria	21, 22, 23, 24
Merriweather	4.5 miles West of Astoria	83, 84, 85, 86
Allendale	1.0 miles W. of Carnaban	83, 84, 85, 86