

Revised

SPOKANE. PORTLAND & SEATTLE R'Y CO.

PORTLAND DIVISION

TIME TABLE No. 59

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

SUNDAY, SEPT. 13, 1914

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

A. J. DAVIDSON,
Superintendent

L. B. WICKERSHAM,
Assistant General Manager

W. D. SCOTT,
General Manager

WEST BOUND						FIRST DISTRICT—PORTLAND TO ASTORIA										EAST BOUND					
SECOND CLASS		FIRST CLASS				Capacity of Side Tracks	Distance from Portland	Time Table No. 59 SEPTEMBER 13, 1914		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	J Y	9.29	11.59	4.44	9.54	3.00				
6.15		6.51	s 5.57	s 1.13	8.31	37	7.3	D.....	LINNTON.....	IN	92.5		s 9.23	11.53	s 4.37	9.48	2.45				
6.37		6.59	f 6.06	f 1.24	f 8.40	35	12.5	.....	HOLBROOK.....		87.3	W 3 Ml. W.	f 9.12	11.43	f 4.24	f 9.37	2.18				
7.08		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 9.22	2.5 1.40				
7.26		7.17	f 6.30	f 1.50	s 9.04	34	24.2	.....	WARREN.....		75.6		f 8.42	11.19	f 3.57	f 9.13	1.05				
7.40		7.22	6.37	1.57	9.09	46	27.1	.....	SOUTH HOULTON.....		72.7		8.33	11.14	3.50	9.07	12.50				
7.50		7.23	s 6.38	s 1.58	s 9.11	7	27.5	D.....	HOULTON.....	HU	72.3		s 8.32	s 11.13	s 3.49	s 9.06	12.45				
8.21		7.28	f 6.47	f 2.05	f 9.18	55	31.2	.....	McBRIDE.....		68.6	W	f 8.21	11.05	f 3.40	f 8.58	12.20				
8.33		7.32	s 6.53	s 2.10	f 9.23	10	33.2	.....	DEER ISLAND.....		66.6		s 8.15	11.00	s 3.34	f 8.54	12.05 PM				
8.50		7.37	f 7.02	f 2.18	9.31	30	37.2	.....	CHARLTON.....		62.6		f 8.05	10.53	f 3.25	8.47	11.45				
9.02		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	11.30				
9.35		s 7.55	A 7.25 PM	A 2.40 PM	s 9.48	16	45.8	D.....	RAINIER.....	RA	54.0	W R 3 Ml. E.	L 7.40 AM	s 10.36	L 3.00 PM	s 8.30	10.50				
21-22-82 9.45 10.33		7.57			81-82 9.50	59	46.8	F.....	WEST RAINIER.....		53.0			81-82 10.33		8.27	21-22-81 10.43 9.50				
11.11		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	8.51				
11.44		f 8.28			f 10.18	54	59.3	.....	QUINCY.....		40.5	W		f 10.02		f 7.58	8.37				
11.50		f 8.31			f 10.22	20	60.5	.....	INGLIS.....		39.3			f 9.57		f 7.54	8.32				
12.01 PM		s 8.35			s 10.27	108	62.3	D.....	CLATSKANIE.....	CN	37.5			s 9.53		f 7.50	8.26				
12.24		f 8.47			f 10.38	63	66.6	.....	MARSHLAND.....		33.2			f 9.43		f 7.37	8.08				
12.50		f 8.58			f 10.50	35	71.2	.....	WESTPORT.....		28.6			f 9.31		f 7.25	7.50				
1.00		f 9.04			f 10.56	18	73.6	.....	WAUNA.....		26.3			f 9.25		f 7.18	7.40				
1.31		f 9.18			f 11.10	52	78.7	.....	CLIFTON.....		21.1	W		f 9.12		f 7.04	7.20				
2.05		f 9.36			f 11.27	84.9		D.....	BLIND SLOUGH.....	No Siding BS	14.9			f 8.56		f 6.48	6.56				
2.15		f 9.40			f 11.32	37	86.6	.....	KNAPPA.....		13.2			f 8.52		f 6.44	6.49				
2.35		f 9.50			f 11.42	49	90.3	.....	SVENSEN.....		9.5			f 8.42		f 6.34	6.35				
3.05		f 10.05			f 11.55	40	95.4	.....	JOHN DAY.....		4.4			f 8.30		f 6.20	6.20				
A 3.30 PM		A 10.20 PM			A 12.10 PM	Yard	99.8	DN.....	ASTORIA.....	RO	0.0	RW T O F	L 8.15 AM		L 6.05 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 00 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 24-8	2-00 22-9	4-05 24-4		9-30 10 5				

SPECIAL RULES

East bound trains are superior to west bound trains of the same class.

Trains must not exceed time table schedule time between John Day and Astoria.

No. 23 will approach Rainier under control, expecting to find No. 27 backing up to Reed's siding.

No. 21 will stop on flag at Linnton and Burlington to pick up passengers for points west.

No. 22 will stop on flag at Linnton, and No. 24 will stop on flag at Burlington and Linnton to let off passengers from points west.

WEST BOUND										SECOND DISTRICT—ASTORIA TO HOLLADAY										EAST BOUND													
SECOND CLASS				FIRST CLASS								Capacity of Side Tracks	Distances from Portland	Time Table No. 59 SEPTEMBER 13, 1914	Distances from Holladay	Water, Wyes, Turn Tables, Fuel and Scales	FIRST CLASS								SECOND CLASS								
		85	83							23	21												24							84	86		
		Mixed	Mixed							Passenger	Passenger												Passenger							Mixed	Mixed		
		Daily	Daily							SATURDAY ONLY	Daily												Daily							Daily	Daily		
		L 4.35PM	L 8.45AM							L 10.25PM	L 12.15PM	Yard	99.8	DN.....ASTORIA.....RO	19.3	WTOF	A 5.55PM									A 8.10AM	A 2.20PM						
		f 4.50	f 9.05							f 10.40	f 12.30		104.2	SUNNYMEAD No Siding	14.9		f 5.40									f 7.55	f 2.00						
		s 4.55 5.35	f 9.10							s 10.45	s 12.35	22	105.7	D.....WARRENTON.....WA	13.4	R Y	s 5.35									s 7.50 7.20	s 1.50PM 11.50AM						
		f 5.39	s 9.15							f 10.48	f 12.39	3	107.0	SKIPANON.....Spur	12.1		f 5.31									f 7.15	f 11.43						
		f 5.44	f 9.19							f 10.52	f 12.43	9	108.4	COLUMBIA BEACH Spur	10.7		f 5.27									f 7.12	f 11.38						
		f 5.49	f 9.24							f 10.56	f 12.47		109.8	GLENWOOD..No Siding	9.3		f 5.23									f 7.09	f 11.32						
		f 5.51	f 9.27							f 10.59	f 12.49	2	110.6	CARNAHAN.....Spur	8.5		f 5.21									f 7.07	f 11.30						
		f 5.56	f 9.32							f 11.03	f 12.53	24	112.1	WEST.....	7.0		f 5.17									f 7.04	f 11.24						
		f 5.59	f 9.35							f 11.06	f 12.56		113.2	CLATSOP...No Siding	5.9		f 5.14									f 7.01	f 11.19						
		f 6.03	f 9.40							f 11.10	f 12.59		114.5	BUTTERFIELD No Siding	4.6		f 5.11									f 6.58	f 11.15						
		s 6.07	s 9.46							s 11.13	s 1.02	14	115.7	D.....GEARHART....GR	3.4		s 5.07									s 6.56	s 11.10						
		f 6.11	f 9.51							f 11.16	f 1.05		116.8	WAHANNAH...No Siding	2.3		f 5.04									f 6.54	f 11.04						
		f 6.13	f 9.55							f 11.18	f 1.07		117.5	SURF.....No Siding	1.6		f 5.02									f 6.52	f 11.02						
		s 6.15	s 10.00							s 11.20	s 1.10	36	118.1	D.....SEASIDE.....SD	1.0	R W	s 5.00									s 6.50	s 11.00						
		A 6.20PM	A 10.15AM							A 11.25PM	A 1.15PM	25	119.1	HOLLADAY.....	0.0	Y	L 4.50PM									L 6.40AM	L 10.30AM						
		85	83							23	21							24								84	86						
		Daily	Daily							SATURDAY ONLY	Daily							Daily								Daily	Daily						
		1.05 17.8	1.25 14.1							1.00 19.3	1.00 19.3			Time Over District. Average Speed Per Hour.			1.05 17.8									1.00 19.3	1.50 10.5						

WEST BOUND										FORT STEVENS BRANCH										EAST BOUND									
SECOND CLASS			FIRST CLASS							Capacity of Side Tracks	Distances from Warrenton	Time Table No. 59 SEPTEMBER 13, 1914		Distances from Fort Stevens	Water, Wyes Turn Tables and Scales	FIRST CLASS						SECOND CLASS							
91	89	87																				88	90	92					
Mixed	Mixed	Mixed																				Mixed	Mixed	Mixed					
Daily	Daily	Daily																				Daily	Daily	Daily					
L 4.55PM	L 12.35PM	L 7.20AM								22	0.0	D..... WARRENTON .....WA	3.8	R Y												A 7.50AM	A 1.45PM	A 5.30PM	
s 5.00	s 12.40	s 7.25								Yard	1.7	 FLAVEL	2.1													s 7.45	s 1.40	s 5.20	
f 5.05	f 12.46	s 7.30								4	2.9	HAMMOND .....Spur	0.9													s 7.40	f 1.35	f 5.15	
A 5.10PM	A 1.00PM	A 7.35AM								5	3.8	FORT STEVENS.....	0.0	Y												L 7.35AM	L 1.30PM	L 5.10PM	
Daily	Daily	Daily																								Daily	Daily	Daily	
0.15 15.2	0.25 9.05	0.25 15.2										Time Over District. Average Speed Per Hour.														0.15 15.2	0.15 15.2	0.20 11.2	

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

Trains must not exceed time table schedule time between Warrenton and Astoria.

No. 87 is superior to No. 88.
No. 89 is superior to No. 90.

No. 91 is superior to No. 92.
No. 83 is superior to No. 86.

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; 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, Portland Div. trains will be governed by position of the LOWER blades of train order semaphore.

Train No. 89 will wait at Warrenton for connection with Train 21; and Train 24 for Train 92.

Capacity of Engines in Addition to Weight of Engines, Tenders and Cabooses

DISTRICT	Ruling Grade	CLASS OF ENGINE							
		D-2 150-151	D-3 152 157 158	D-4 153 154 155	D-6 159	L-1 50	L-4 53 54	N-1 350 351 352	N-3 370
Portland to Astoria	.54	1425	1575	1525	1450	.....	.....	1650	2050
Astoria to Portland	.44	1475	1600	1575	1500	.....	.....	1700	2100
Astoria to Holladay	.....	1800	1900	1850	1850	1200	925	2000	2400
Holladay to Astoria	.....	1800	1900	1850	1850	1200	925	2000	2400

SPEED RESTRICTIONS

LOCALITY	SPEED
Young's Bay Drawbridge	10 Miles per Hour
Through Town of Linnton	20 " "
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.

GRADE CROSSINGS

P. & S.W. Ry. (Interlocking Plant) 3 Miles West of Scappoose
 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
 Honeymans Siding 1.9 " West " Scappoose
 Prescott Spur " East 2.5 " West " Goble
 Reeds Siding 0.5 " East " Rainier
 Rices Spur " West, 1.2 " " " Rainier
 Rinearson " West, 2.1 " East " Pyramid
 Fluhrers Spur " East, .3 " East " Mayger
 Stock Yards Spur 1.1 " " " Flavel

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. " " 1.0 " East " Westport
 Oregon Timber & Log Co. " West, 1.5 " " " Clifton
 Crossett Western Lum. Co. " " 0.3 " West " Knappa

LOCATION OF TUNNELS

No. 1 6.1 Miles West of Rainier
 No. 2 6.2 " " " Rainier
 No. 3 1.3 " East " Mayger
 No. 46 " " " John Day

WATCH INSPECTORS

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

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

E. M. HERRING, Chief Dispatcher
 G. S. NEAL, Dispatcher
 S. A. GAGNON, Dispatcher
 E. D. LACKEY, Dispatcher

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 employees 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
 Downings5 mile East of Pyramid 22, 23
 Palm 1.3 miles West of Clatskanie 21, 22, 23, 24
 Woodson 2.0 miles East of Westport 21, 22, 23, 24
 Kerry 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 Carnahan 83, 84, 85, 86

E. B. HEATH
 Trainmaster

J. McGUIRE
 Asst. Supt.