

SPOKANE, PORTLAND & SEATTLE R'Y CO.

PORTLAND DIVISION

TIME TABLE No. 65

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

SUNDAY, MARCH 19, 1916

SUPERSEDING TIME TABLE NO. 64 AND ALL SUPPLEMENTS THERETO
THIS TIME TABLE IS FOR THE USE OF EMPLOYES ONLY

G. E. VOTAW, Superintendent

C. A. VERMILLION, Supt. Car Service

C. O. JENKS, General Manager

2		WEST BOUND										FIRST DISTRICT—BETWEEN PORTLAND AND ASTORIA										EAST BOUND											
THIRD CLASS		SECOND CLASS		FIRST CLASS								Car Capacity		Time Table No. 65		Distance from Astoria		FIRST CLASS		SECOND CLASS		THIRD CLASS											
181		98				23		27		25		21		MARCH 19, 1916				26		22		28		24		94		182					
Local Freight		Time Freight				Passenger		Passenger		Passenger		Passenger		STATIONS				Passenger		Passenger		Passenger		Passenger		Time Freight		Local Freight					
Daily Ex. Sunday		Daily Ex. Saturday				Daily		Daily		Daily		Daily						Daily		Daily		Daily		Daily		Daily Ex. Monday		Daily Ex. Sunday					
5.00 AM		10.00 PM				6.15 PM		5.10 PM		12.25 PM		8.10 AM		DN.....PORTLAND.....OW		99.8		A 9.15 AM		A 12.05 PM		A 4.35 PM		A 9.40 PM		A 2.30 AM		A 2.30 PM					
BETWEEN PORTLAND AND WILLBRIDGE TRAINS WILL BE GOVERNED BY TERMINALS DIVISION TIME TABLE AND SPECIAL RULES																																	
5.25		10.25				6.31		5.26		12.41		8.26		4.4		DN.....WILLBRIDGE.....BA		95.4		J		8.59		11.49		4.19		9.24		2.05		2.05	
5.40		10.38				6.36		5.32		12.47		8.31		2.9		D.....LINNTON.....IN		92.5				8.52		11.43		4.13		9.18		1.52		1.40	
5.47		10.40				6.37		5.33		12.48		8.32		0.6		UNITED JUNCTION.....		91.9		P		8.48		11.40		4.10		9.17		1.47		1.25	
6.10		11.02				6.43		5.44		12.58		8.40		4.7		HOLEROOK.....		87.2		W 3 MI. W		8.40		11.32		4.00		9.09		1.28		12.58	
6.50		11.34				6.53		6.00		1.14		8.54		7.3		D.....SCAPPOOSE.....SQ		79.9				8.18		11.17		3.44		8.57		12.55		12.22	
7.12		11.55				7.00		6.10		1.24		9.02		4.4		WARREN.....		75.5				8.08		11.09		3.34		8.49		12.35		12.01 PM	
7.28		12.20 AM				7.04		6.16		1.31		9.07		2.8		CLEONE.....		72.7				8.01		11.04		3.28		8.44		12.20		11.47	
7.30		12.22				7.06		6.18		1.33		9.09		0.5		D.....HOULTON.....HU		72.2				8.00		11.03		3.27		8.43		12.18 AM		11.45	
7.50		12.35				7.11		6.27		1.42		9.16		3.7		WATERVIEW.....		68.5		W		7.50		10.57		3.19		8.37		11.59		11.27	
8.05		12.45				7.15		6.33		1.47		9.21		1.9		DEER ISLAND.....		66.6				7.43		10.52		3.13		8.32		11.45		11.15	
8.25		12.59				7.21		6.41		1.54		9.29		4.0		CHARLTON.....		62.6				7.35		10.45		3.05		8.26		11.28		10.58	
8.40		1.08				7.25		6.46		1.59		9.33		2.2		DN.....GOBLE.....GB		60.4		T		7.30		10.41		3.00		8.22		11.16		10.41	
9.15		1.30				7.38		7.00		2.15		9.46		6.4		D.....RAINIER.....RA		54.0		W 2.4 MI. E.		7.15		10.28		2.45		8.10		10.45		9.55	
9.33		1.35				7.40		7.05 PM		2.20 PM		9.48		1.0		F.....DORIS.....		53.0		R T		7.05 AM		10.26		2.40 PM		8.08		10.40		9.48	
10.57		2.00				7.54						10.00		6.7		PYRAMID.....		46.3						10.13				7.54		10.05		8.50	
11.08		2.10				8.00						10.08		2.3		MAYGER.....		44.0						10.08				7.49		9.52		8.36	
11.23		2.22				8.07						10.15		3.5		QUINCY.....		40.5		W				9.59				7.41		9.35		8.18	
11.33		2.32				8.13						10.24		2.9		DN.....CLATSkanie.....CN		37.6						9.50				7.33		9.20		8.03	
11.55		2.47				8.24						10.35		4.4		MARSHLAND.....		33.2						9.40				7.23		8.58		7.40	
12.15 PM		3.05				8.35						10.46		4.6		WESTPORT.....		28.6						9.29				7.12		8.35		7.17	
12.27		3.13				8.41						10.52		2.3		WAUNA.....		26.3						9.24				7.06		8.15		7.05	
12.50		3.32				8.52						11.04		4.9		CLIFTON.....		21.4		W				9.13				6.54		7.56		6.40	
1.17		3.55				9.06						11.18		8.5		D.....BLIND SLOUGH.....No Siding BS		14.9						8.59				6.39		7.33		6.13	
1.25		4.02				9.10						11.23		1.6		KNAPPA.....		13.3						8.55				6.35		7.27		6.05	
1.42		4.15				9.18						11.32		3.7		SVENSEN.....		9.6						8.47				9.27		7.13		5.47	
2.05		4.35				9.30						11.45		5.2		JOHN DAY.....		4.4						8.35				6.15		6.55		5.25	
A 2.30 PM		A 5.00 AM				A 9.45 PM						A 11.59 AM		4.4		DN.....ASTORIA.....RO		0.0		RWTFOP				8.20 AM				6.00 PM		6.30 PM		5.00 AM	
181		98				23		27		25		21										26		22		28		24		94		182	
Daily Ex. Sunday		Daily Ex. Sunday				Daily		Daily		Daily		Daily										Daily		Daily		Daily		Daily		Daily Ex. Sunday		Daily Ex. Sunday	
9.30 10.5		7.00 14.3				3.30 28.5		1.55 24.4		1.55 24.4		3.49 26.6										2.10 21.6		3.45 26.6		1.55 24.4		3.40 27.0		8.00 12.5		9.30 10.05	
SPECIAL RULES—EAST BOUND TRAINS ARE SUPERIOR TO WEST BOUND TRAINS OF SAME CLASS. EXCEPTION: No. 25 IS SUPERIOR TO No. 28																																	

WEST BOUND										SECOND DISTRICT—BETWEEN ASTORIA AND HOLLADAY										EAST BOUND										3				
SECOND CLASS			FIRST CLASS										FIRST CLASS										SECOND CLASS											
93	85	83							23	21	35	Car Cap'city	Passing Tracks Other Tracks	Distances from Portland	Time Table No. 65 MARCH 19, 1916		Distances from Holladay	Water, Wyes Turn Tables, Fuel and Scales	36	24	48								84	86	94			
Time Freight	Mixed	Mixed						Passenger	Passenger	Passenger													Passenger	Passenger	Passenger							Mixed	Mixed	Time Freight
Daily Ex Sunday	Daily	Daily						SATURDAY ONLY	Daily	Daily								Daily	Daily	SATURDAY ONLY							Daily	Daily	Daily Ex. Sunday					
L 5.25AM	L 4.40PM	L 8.45AM						L 9.50PM	L 12.10PM	L 5.50AM	Yd		99.8	DN.....ASTORIA.....RO	19.3	R W T O F	A 8.00AM	A 5.50PM	A 11.45PM								A 8.10AM	A 2.20PM	A 6.05PM					
5.43	f 4.55	f 9.00						10.05	f 12.25	f 7.05			104.0	SUNNYMEAD No Siding	15.1		f 7.45	f 5.35	11.30								f 7.55	f 2.00	5.46					
A 5.50AM	s 5.00 5.30	s 9.10						f 10.10	s 12.30	A 7.10AM	43		105.6	D.....WARRENTON.....WA	13.5	J R Y	L 7.40AM	s 5.30	f 11.25								s 7.50	s 1.50 12.10	L 5.40PM					
	f 5.34	f 9.15						10.13	f 12.34		3		107.0	SKIPANON.....Spur	12.1			f 5.27	11.21								f 7.46	f 12.03PM						
	f 5.38	f 9.19						f 10.16	f 12.38		9		108.2	COLUMBIA BEACH Spur	10.9			f 5.23	11.18								f 7.43	f 11.58						
	f 5.43	f 9.24						10.20	f 12.42				109.7	GLENWOOD No Siding	9.4			f 5.20	11.15								f 7.40	f 11.53						
	f 5.45	f 9.27						f 10.22	f 12.44		2		110.3	CARNAHAN.....Spur	8.8			f 5.18	11.13								f 7.38	f 11.50						
	f 5.49	f 9.32						f 10.25	f 12.48		23		112.1	WEST.....	7.0			f 5.15	11.10								f 7.34	f 11.44						
	f 5.52	f 9.35						f 10.28	f 12.51				113.2	CLATSOP No Siding	5.9			f 5.12	11.07								f 7.32	f 11.41						
	f 5.56	f 9.40						10.31	f 12.54				114.4	BUTTERFIELD No Siding	4.7			f 5.09	11.04								f 7.29	f 11.35						
s 6.00	s 9.46							s 10.34	s 12.58		14		115.7	GEARHART.....GR	3.4			s 5.06	f 11.01								s 7.27	s 11.31						
	f 6.04	f 9.51						10.36	f 1.02				116.8	WAHANNAH No Siding	2.3			f 5.03	10.57								f 7.23	f 11.26						
	f 6.06	f 9.53						10.37	f 1.03				117.4	SURF No Siding	1.7			f 5.02	10.56								f 7.22	f 11.24						
s 6.10	s 10.00							s 10.40	s 1.05		34	42	118.0	D.....SEASIDE.....SD	1.1	R W	s 5.00 1.20	s 10.55									s 7.20	s 11.20 10.15						
	A 6.15PM	A 10.05AM						A 10.45PM	A 1.10PM		23		119.1	HOLLADAY.....	0.0	Y	L 1.15PM	L 10.50PM									L 7.10AM	L 10.10AM						
93	85	83						23	21	35								36	24	48							84	86	94					
Daily Ex Sunday	Daily	Daily						SATURDAY ONLY	Daily	Daily								Daily	Daily	SATURDAY ONLY							Daily	Daily	Daily Ex. Sunday					
0.25 14.5	0.50 21.8	1.15 14.5						0.50 21.8	0.55 19.8	0.20 17.7								0.20 17.7	0.50 21.8	0.50 21.8							0.50 21.8	1.50 10.5	0.25 14.5					
Time Over District. Average Speed Per Hour.																																		

SPECIAL RULES

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

No. 83 is superior to No. 86. No. 21 is superior to No. 24. No. 23 is superior to No. 48.

WEST BOUND										THIRD DISTRICT—BETWEEN WARRENTON AND FORT STEVENS										EAST BOUND									
SECOND CLASS			FIRST CLASS							Capacity of Side Tracks	Distances from Warrenton	Time Table No. 65			Distances from Fort Stevens	Water, Wyes Turn Tables and Scales	FIRST CLASS		SECOND CLASS			SPECIAL RULES							
98	91	89						35	MARCH 19, 1916			36		90			92	94											
Time Freight	Mixed	Mixed						Passenger				Passenger		Mixed			Mixed	Time Freight											
Daily Ex. Sunday	Daily	Daily						Daily	STATIONS			Daily		Daily			Daily	Daily Ex. Sunday											
L 5.50AM	L 5.00PM	L 12.30PM						L 7.10AM	43	0.0	D..... WARRENTONWA	3.8	J R Y	A 7.40AM		A 1.45PM	A 5.30PM	A 5.40PM	EAST BOUND TRAINS ARE SUPERIOR TO WEST BOUND TRAINS OF THE SAME CLASS EXCEPTIONS : No. 35 is superior to No. 36 No. 89 is superior to No. 90 No. 91 is superior to No. 92										
A 6.00AM	s 5.05	s 12.35						s 7.15	Yard	1.8	DN..... FLAVELX	2.0	R W Y	s 7.35		s 1.30	s 5.25	L 5.30PM											
	s 5.10	s 12.40						s 7.20	4	2.9	HAMMONDSpur	0.9		s 7.30		s 1.20	s 5.20												
	A 5.15PM	A 12.55PM						A 7.25AM	5	3.8	FORT STEVENS.....	0.0	Y	L 7.25AM		L 1.15PM	L 5.15PM												
98	91	89						35						36		90	92	94											
Daily Ex. Sunday	Daily	Daily						Daily						Daily		Daily	Daily	Daily Ex Sunday											
0.10 10.8	0.15 15.2	0.20 11.2						0.15 15.2			Time Over District. Average Speed Per Hour.			0.15 15.2		0.20 11.2	0.15 15.2	0.10 10.8											

SPECIAL RULES

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

EXCEPTIONS:

No. 35 is superior to No. 36
No. 89 is superior to No. 90
No. 91 is superior to No. 92

GRADE CROSSINGS

NAME	Miles from Portland
P. & S. W. Ry. (Interlocking Plant).....	20.3
St. Helens Lumber Co. (Interlocking Plant).....	26.9
G. N. & P. Ry. (Interlocking Plant).....	38.1
Benson Logging Co. (Interlocking Plant).....	62.4

OVERHEAD CROSSINGS

NAME	Miles from Portland
Hammond Lumber Co.	46.0
Columbia & Nehalem River Ry.	69.7
Oregon Timber & Log Co.	77.3
Crossett Western Lumber Co.	87.0

JUNCTIONS WITH LOGGING ROADS

NAME	Miles from Portland	Switch at
P. & S. W. Ry.	20.1	East end
St. Helens Lumber Co.	27.0	West end
Lamb Timber Co.	32.5	East end
Goble, Nehalem & Pacific Ry.	38.0	East end
Benson Logging Co.	62.3	East end
Colum. & Nehalem Riv. Ry.	69.8	West end
Oregon Timber & Log Co.	77.4	West end
Crossett Western Lum. Co.	86.8	West end

LOCATION AND LENGTH OF TUNNELS

No.	LOCATION	Length
1	5.0 miles west of Doris	273 feet
2	5.2 miles west of Doris	165 feet
3	1.2 miles east of Mayger	175 feet
4	.6 miles east of John Day	176 feet

YARDS

Linnton yard limits extend five hundred feet west of United Junction switch to five hundred feet east of east switch of passing track.

Astoria yard limits extend from Tongue Point to 800 feet west of east end of Young's bay trestle.

Warrenton yard limits extend from 2500 feet east of East switch to 2600 feet west of west switch on Second Dist.

Flavel yard limits extend from 1500 feet east of east switch to 1500 feet west of west switch.

WATCH INSPECTORS

A. L. HAMAN, Chief Time Inspector, St. Paul, Minn.	
A. & C. FELDENHEIMER.....	PORTLAND
AL. W. FIELD.....	"
J. A. SHANER.....	ASTORIA

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.

S. A. GAGNON, Dispatcher
 E. D. LACKEY, Dispatcher
 E. M. HERRING, Dispatcher

SPECIAL RULES

- No. 1. Special Rules supersede rules and regulations of Transportation Department.
 No. 2. Trains will date from time due to leave initial station.

INITIAL STATION.

First District.

Willbridge for trains 21, 23, 25, 27, 181, 93.

Doris for trains 26, 28.

Astoria for trains 22, 24, 182, 94.

Second District.

Astoria for trains 21, 23, 35, 83, 85, 93.

Holladay for trains 21, 23, 83, 85.

Warrenton for trains 36, 94.

Third District.

Warrenton for trains 35, 89, 91, 93.

Flavel for train No. 94.

Fort Stevens for trains 36, 90, 92.

- No. 3. Unless some form of block signals are used, trains in same direction must keep at least ten minutes apart, except in closing up at stations, and operators must space trains ten minutes apart, using the train order signal for that purpose. They must show on clearance card the time train will be allowed to depart. Conductors and enginemen must respect the time marked on clearance card approaching all stations where the view is obscured at a rate of speed that will enable them to stop should an emergency arise.

REGISTERING STATIONS.

- No. 4. Portland, Astoria, Warrenton, Seaside, Fort Stevens.
 Doris for trains 25, 26, 27, 28.
 Third District trains register arriving and departing time at Fort Stevens by card at Warrenton.

STANDARD CLOCKS AND BULLETIN BOARDS.

- No. 5. Portland and Astoria.
 No. 6. Deraill Switches are located on all Passing Tracks and Spurs where there is danger of cars running out. Derails must be left at derail at all times, except when in use.

SPEED RESTRICTIONS.

- No. 7. Maximum speed for passenger trains at any point must not exceed forty (40) miles per hour and freight trains thirty (30) miles per hour.
 Through Town of Linnton, 20 miles per hour.
 Through City of Goble, 10 miles per hour.
 Through City of Rainier, 8 miles per hour.
 Between Tongue Point and west end of Young's Bay, 20 miles per hour.
 On Pacific Ave., Hammond, 8 miles per hour.
 Between Flavel and Fort Stevens, 20 miles per hour.
 Trains must not exceed time table schedule between Warrenton and Astoria.

- No. 8. Attention is called to electrification of main line and passing track at Linnton from United Junction to East of East Switch of passing track, and overhead wires and United Railway trains in yard limits, Linnton.

- No. 9. Draw Bridges are located: Clatskanie River, 0.5 miles West of Clatskanie; Blind Slough; John Day River, 0.6 miles east of John Day, Young's Bay, 2.8 miles west of Astoria; Skipanon Creek, 0.1 miles East of Warrenton.

- No. 10. At Willbridge Portland division trains will be governed by position of the lower blades of train order semaphore.

- No. 11. No. 22 will stop on flag at Alderbrook to receive passengers only.

- No. 12. No. 23 will stop on flag at Alderbrook, Surf and Wahannah to discharge passengers only and at Skipanon, Glenwood, Clatsop and Butterfield to let off passengers from points east of Astoria.

- No. 13. No. 24 will stop on flag Warren and Linnton to let off passengers from points west of Rainier.

- No. 14. No. 24 will stop on flag at Allendale and Warren Sunday only.

- No. 15. No. 89 will wait at Warrenton for connection with No. 21 and No. 24 with No. 92.

- No. 16. At Linnton, No. 26 waits for connection with United Railway No. 2; No. 22 with United Railway No. 4, and No. 28 with United Railway No. 6 and No. 8.

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

DISTRICT	Rating 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	.56	1425	1575	1525	1450			1650	2050
Astoria to Portland	.52	1475	1600	1575	1500			1700	2100
Astoria to Holladay	1.22	1800	1900	1850	1850	1200	925	2000	2400
Holladay to Astoria	.70	1800	1900	1850	1850	1200	925	2000	2400

COMPANY SURGEONS

DR. E. B. MCDANIEL, Chief Surgeon, Electric Bldg., Portland
 DR. R. C. MCDANIEL, Asst. Surgeon, Electric Bldg., Portland
 DRS. DICKSON, COGHLIN & DAVIS, Oculists, Selling Bldg., Portland
 DR. S. M. MANN, Local Surgeon, Linnton
 DR. W. E. WELCH, Local Surgeon, Rainier
 DR. W. H. LOTT, Local Surgeon, Westport.
 DR. J. A. FULTON, Local Surgeon, Astoria
 DR. FRANK VANDOREN, 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

BUSINESS TRACKS AND PASSENGER FLAG STOPS NOT SHOWN AS STATIONS ON TIME TABLE

First District				
NAME	Miles from Portland	Car Capacity	Switch at	Flag Stops for Trains
Portland, G&C Spur..	5.6	33	West end	Not Passenger Stop.
Claremont Tavern...	6.0			25-26-27-28.
Orwood Spur.....	6.2	7	East end	Not Passenger Stop.
Col. Engr. Works ..	6.9	7	West end	Not Passenger Stop.
West Ore. Lbr. Spur.	8.3	15	West end	Not Passenger Stop.
Ban's Spur.....	9.8	55	East end	25-26-27-28.
Burlington.....	11.7			25-26-27-28.
Rocky Point.....	15.7			25-26-27-28.
Johnson's Crossing..	18.1			25-26-27-28.
Honeymans	22.0	7	Bothends	21-25-26-27-28.
McBride.....	30.0			25-26-27-28.
Tide Creek.....	35.8			25-26-27-28.
Nehalem Junction...	38.0			25-26-27-28.
Prescott Spur.....	42.2	17	East end	21-24-25-26-27-28.
Oasis.....	43.4			25-26-27-28.
Reeds.....	45.3	16	Bothends	Not Passenger Stop.
Plues.....	46.4	13	East end	Not Passenger Stop.
Rice's Spur.....	47.0	14	West end	Not Passenger Stop.
Rinearson Spur.....	51.4	3	West end	21-22-23-24. —
Downings.....	52.8			21-24.
Fluhrer's Spur.....	55.4	7	East end	Not Passenger Stop.
Inglis, 2 tracks.....	60.3	27	West end	21-23-24.
Palm.....	63.7			21-24.
Woodson.....	68.5			21-24.
Kerry.....	69.8			21-22-23-24.
Bugby.....	75.2			21-24.
Parsons.....	77.4			21-22-23-24. —
Aldrich Point.....	81.7			21-24.
Burnside.....	91.4			21-22-24.
Fernhill.....	94.0			21-22-24.
Tongue Point.....	96.9			21-24.
Alderbrook.....	97.5			21-24.
11th St., Astoria.....	100.3			35-36-83-84-85-86

Second District

Merryweather.....	104.2			35-36-83-84-85-86
Allendale.....	111.4			83-84-85-86.

Third District

Stock Yard Spur....	106.1	8	East end	Not Passenger Stop.
---------------------	-------	---	----------	---------------------

R. E. WHITE, Asst. Chief Dispatcher
 A. KASE, Chief Dispatcher

A. L. RYAN, Trainmaster and Traveling Engineer
 P. McKAY, Asst. Superintendent