

# UNION PACIFIC SYSTEM

## OREGON-WASHINGTON RAILROAD & NAVIGATION COMPANY

Miles	Time
per	per
Hour	Hour
70.0	21.0
69.0	21.1
68.0	21.2
67.0	21.3
66.0	21.4
65.0	21.5
64.0	21.6
63.0	21.7
62.0	21.8
61.0	21.9
60.0	22.0
59.0	22.1
58.0	22.2
57.0	22.3
56.0	22.4
55.0	22.5
54.0	22.6
53.0	22.7
52.0	22.8
51.0	22.9
50.0	23.0
49.0	23.1
48.0	23.2
47.0	23.3
46.0	23.4
45.0	23.5
44.0	23.6
43.0	23.7
42.0	23.8
41.0	23.9
40.0	24.0
39.0	24.1
38.0	24.2
37.0	24.3
36.0	24.4
35.0	24.5
34.0	24.6
33.0	24.7
32.0	24.8
31.0	24.9
30.0	25.0
29.0	25.1
28.0	25.2
27.0	25.3
26.0	25.4
25.0	25.5
24.0	25.6
23.0	25.7
22.0	25.8
21.0	25.9
20.0	26.0
19.0	26.1
18.0	26.2
17.0	26.3
16.0	26.4
15.0	26.5
14.0	26.6
13.0	26.7
12.0	26.8
11.0	26.9
10.0	27.0
9.0	27.1
8.0	27.2
7.0	27.3
6.0	27.4
5.0	27.5
4.0	27.6
3.0	27.7
2.0	27.8
1.0	27.9
0.0	28.0

**Third Division**

# 14

# EMPLOYEES' TIME TABLE

**To Take Effect Sunday, November 14, 1920**

**at 12:05 A. M. "Pacific Time"**



For the Government and Information of Employees Only, and not intended for the use of the public.  
 The Right is Reserved to vary from this Time Table at pleasure.

**J. P. O'BRIEN,**  
GENERAL MANAGER.

**M. J. BUCKLEY,**  
GENERAL SUPERINTENDENT.

**F. N. FINCH,**  
ASSISTANT GENERAL SUPERINTENDENT.

**THIRD DIVISION**

**A. G. KAMM,**  
Superintendent, WALLA WALLA, WASHINGTON.

H. B. COBURN,  
ASSISTANT SUPERINTENDENT, Walla Walla, Washington.

J. BECK,  
CHIEF DISPATCHER, Walla Walla, Washington.

**MILEAGE**

<b>FIRST DIVISION</b> .....	Main Line .....	384.40		
	Branches .....		413.80	
	Total .....			798.20
<b>SECOND DIVISION</b> .....	Main Line .....	233.18		
	Branches .....		97.80	
	Total .....			330.98
<b>THIRD DIVISION</b> .....	Main Line .....	79.61		
	Branches .....		302.56	
	Total .....			382.17
<b>FOURTH DIVISION</b> .....	Main Line .....	104.03		
	Branches .....		426.14	
	Total .....			530.17
	Total Main Line .....	801.22		
	Total Branches .....		1 240.30	
	Total .....			2.041.52

Time per Mile	Miles per Hour
51"	70.6
52"	69.2
53"	67.9
54"	66.6
55"	65.4
56"	64.2
57"	63.1
58"	62
59"	61
1'	60
1' 1"	59
1' 2"	58
1' 3"	57.1
1' 4"	56.2
1' 5"	55.3
1' 6"	54.5
1' 7"	53.7
1' 8"	52.9
1' 9"	52.1
1' 10"	51.4
1' 12"	50
1' 15"	48
1' 20"	45
1' 25"	42.3
1' 30"	40
1' 40"	36
1' 45"	34.3
1' 50"	32.7
2'	30
2' 10"	27.6
2' 15"	26.6
2' 20"	25.7
2' 30"	24
2' 40"	22.5
2' 45"	21.8
2' 50"	21.2
3'	20
3' 9"	19
3' 20"	18
3' 31"	17
3' 45"	16
4'	15
5'	12
6'	10
7' 30"	8
10'	6

UNION PACIFIC SYSTEM  
LINES OF THE  
OREGON-WASHINGTON

The Right is Reserved to vary from this Table at pleasure.  
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# CONDENSED TIME TABLE

## WESTWARD—Spokane and Umatilla—EASTWARD

SECOND CLASS				FIRST CLASS			Distance from Spokane	Time Table No. 14 November 14, 1920				Distance from Umatilla	FIRST CLASS			SECOND CLASS			
				255	5	11							12	6			256		
				Time Freight	Passenger	Passenger					Passenger	Passenger			Time Freight				
				Leave Daily	Leave Daily	Leave Daily					Arrive Daily	Arrive Daily			Arrive Daily				
				6.00 PM		9.15 PM	0.0	SPOKANE	184.5	7.15 AM					3.30 AM				
				2.00 AM		11.05 PM	104.1	AYER JUNCTION	80.4	3.45	4.10 AM				6.40 PM				
				7.15		12.55 AM	157.2	WALLULA	27.3	1.55	2.25 AM				2.10				
				9.30 AM		2.30 AM	184.5	UMATILLA	0.0	12.55 AM					12.01 PM				
				Arrive Daily		Arrive Daily		(184.5)		Leave Daily	Leave Daily				Leave Daily				
				(15.30) 11.9		(1.50) 29.0	(5.15) 35.1	Time		(6.20) 29.1	(1.45) 30.3				(15.29) 11.9				
								Average Speed per Hour											

## WESTWARD—Spokane and Pendleton—EASTWARD

SECOND CLASS				FIRST CLASS			Distance from Spokane	Time Table No. 14 November 14, 1920				Distance from Pendleton	FIRST CLASS			SECOND CLASS			
				5	7	1							6	8	2				
				Passenger	Passenger	Passenger					Passenger	Passenger	Passenger						
				Leave Daily	Leave Daily	Leave Daily					Arrive Daily	Arrive Daily	Arrive Daily						
				4.30 PM	6.30 AM		0.0	SPOKANE	251.8	11.15 AM	7.15 PM								
				6.40	8.20		49.3	TEKOA	202.5	9.10	5.10								
				10.25	11.45		148.0	RIPARIA	103.8	5.05	1.10								
				10.37	11.55 AM		153.1	GRANGE CITY JUNCTION	98.7	4.40	12.55								
				11.10 PM			165.7	AYER JUNCTION		4.10 AM									
					12.05 PM		156.9	STARBUCK	94.9		12.45	12.25 PM							
					2.35	7.00 AM	205.1	WALLA WALLA	46.7		10.00 AM	7.30 PM							
					4.45 PM	9.00 AM	251.8	PENDLETON	0.0		8.00 AM	5.10 PM							
				Arrive Daily	Arrive Daily	Arrive Daily		(251.8)		Leave Daily	Leave Daily	Leave Daily							
				(6.40) 24.9	(10.15) 24.6	(2.00) 23.4		Time		(7.05) 23.4	(11.15) 22.4	(2.20) 20.0							
								Average Speed per Hour											

**WESTWARD—TENTH SUB-DIVISION—Grange City Junction and Umatilla—EASTWARD**

Length of passing tracks in feet and location of scales, water, fuel, telephone and turning stations.	SECOND CLASS					FIRST CLASS			Distance from Spokane	Time Table No. 14 November 14, 1920		Distance from Umatilla	FIRST CLASS		SECOND CLASS					
						255	11	5		STATIONS			12	6	256					
						Time Freight Leave Daily	Passenger Leave Daily	Passenger Leave Daily					Passenger Arrive Daily	Passenger Arrive Daily	Time Freight Arrive Daily					
604 YP								10.37PM	153.1	R	<b>GRANGE CITY JUNCTION</b>	93.0		4.40AM						
2054									153.7		0.6 GRANGE CITY	92.4								
2747								f10.55	162.6		8.9 AYER	83.5	f	4.18						
2823 WFYP						2.00AM	12.10AM	s11.05	104.1	DN-R	<b>AYER JUNCTION</b> Jd	80.4	3.45AM	s	4.10				6.40PM	
2689						2.30	12.20	f11.22	110.3		6.2 RUXBY	74.2	3.30	f	3.54				6.10	
2614						3.17 3.41	12.30	f11.37	117.8		7.5 SCOTT	66.7	3.17	f	3.41				5.35	
2717						4.15	12.42	11.53PM	126.6		8.8 SIMMONS	57.9	3.02		3.26				4.55	
2707 WP						4.40	12.53	f12.07AM	134.3	DN	7.7 PAGE Ms	50.2	2.48	f	3.13				4.20	
2719						5.10	1.03	f12.21	141.8		7.5 ASH	42.7	2.35	f	3.01				3.40	
3700						5.35	1.11	f12.32	147.8		6.0 HUMORIST	36.7	2.25	f	2.50				3.10	
1770 YP						6.10	1.20	f12.45	154.6	Block Signals	6.8 <b>ATTALIA</b>	29.9	2.07	f	2.35				2.30	
									154.7		0.1 N. P. CROSSING	29.8								
									155.3		0.6 N. P. CROSSING	29.2								
2272 WFYP						7.15	1.30 1.45	12.55AM	157.2		1.9 DN-R <b>WALLULA</b> Jn	27.3	1.55 1.45		2.25AM				2.10	
3700						7.50	1.58		164.9		7.7 JUNIPER	19.6	1.30						1.25	
2571						8.20	2.06		171.0		6.1 SAND	13.5	1.20						1.00	
3700						8.50	2.16		176.9		5.9 RIVERVIEW	7.6	1.10						12.35	
WFTY						9.30AM	2.30AM		184.5		7.6 DN-R <b>UMATILLA</b> Cs	0.0	12.55AM						12.01PM	
						Arrive Daily	Arrive Daily	Arrive Daily			(93.0)		Leave Daily	Leave Daily	Leave Daily					

(7.30)      (2.20)      (2.18)      Time .....      (2.50)      (2.15)      (6.39)  
 10.7      34.5      28.5      Average Speed per Hour.....      28.4      29.2      12.1

**Westward trains are superior to trains of the same class in the opposite direction.—See Rule 72.**

**WESTWARD—RIPARIA-PENDLETON SUB-DIVISION—EASTWARD**

Length of passing tracks in feet and location of scales, water, fuel, telephone and turning stations.	SECOND CLASS				FIRST CLASS				Distance from Spokane	Time Table No. 14 November 14, 1920	Distance from Pendleton	FIRST CLASS				SECOND CLASS		
	65	73	51	5	7	61	1	6				8	62	2	66	52	74	
	Mixed	Mixed	Mixed	Passenger	Passenger	Motor	Passenger	Passenger				Passenger	Motor	Passenger	Mixed	Mixed	Mixed	
	Leave Daily	Leave Tue. Thur. & Sat.	Leave Daily Ex. Sun.	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily Ex. Sun.	Arrive Mon. Wed. & Fri.				
1063 WP		12.35PM		10.25PM	11.45AM			148.0	DN-R	<b>RIPARIA</b>	Ax	103.8	5.00AM	1.10PM				12.10PM
604 YP		f 12.55		10.37PM	f 11.55AM			153.1	R	GRANGE CITY JCT.		98.7	4.40AM	f 12.55				f 11.55AM
840 WFTY		1.15PM			12.05PM			156.9	DN-R	STARBUCK	Sa	94.9		12.45				11.30AM
1170					12.25			162.4		RELIEF		89.4		12.10PM				
1418					12.40			168.1		ALTO		83.7		f 11.52AM				
1075					f 1.00			175.7		MENOKEN		76.1		f 11.22				
1374 WTP		5.10PM			s 1.30	11.10AM		179.8	R	<b>BOLLES</b>		72.0	s 11.10	6.10PM			10.20AM	
1357		s 5.55			s 1.43	s 11.20		184.5	D	PRESCOTT	Sy	67.3	s 10.55	s 5.55			s 9.50	
600		f 6.15			1.55	f 11.35		190.3		ENNIS		61.5	10.36	f 5.40			f 9.10	
1045		f				f 11.38		191.4		BERRYMAN		60.4		f 5.37			f	
1047		f 6.25				2.04	f 11.47	194.7		HADLEY		57.1	10.25	f 5.28			f 8.50	
1112		f 6.35				f 11.55		197.6		VALLEY GROVE		54.2		f 5.20			f 8.40	
673		f			2.13	f 11.59AM		199.2		RUSSELL		52.6	10.15	f 5.15			f 8.35	
								204.0		N. P. CROSSING		47.8						
OWFTYP		7.00PM		10.10AM	2.30	12.15PM	7.00AM	205.1	DN-R	<b>WALLA WALLA</b>	Dispr. Dx Bu	46.7	10.00	5.00PM	7.30PM	8.15AM	2.00PM	
619				f	2.35		f	209.5		STATE LINE		42.3			f 7.18		f	
1290				f		2.46	f	211.4		SPOFFARD		40.4	9.42		f		f	
1157 W				s 10.45	s 2.55		s 7.18	215.1	D	MILTON (W.V.V. Ry. Crossing)	Co	36.7	s 9.35		s 7.00		s 1.15	
626				f			f	218.8		BARRETT		33.0			f		f	
757				f 11.15		3.09	f 7.30	221.0		BADE		30.8	f 9.19		f 6.40		f 12.50	
2650				f 11.35		3.20	f 7.40	224.6		BLUE MOUNTAIN		27.2	f 9.11		f 6.30		f 12.35	
1082				f 11.55AM		3.31	f 7.50	227.8		DOWNING		24.0	f 9.03		f 6.21		f 12.20	
1250				s 12.10PM	s 3.39		s 7.57	230.3	D	WESTON	W	21.5	s 8.57		s 6.14		s 12.10PM	
1032 W				s 12.30	s 3.49		s 8.07	234.0		ATHENA	Ch	17.8	s 8.47		s 6.03		s 11.45AM	
1832				s 12.55	s 4.01		s 8.19	238.5	D	ADAMS	Md	13.3	s 8.36		s 5.50		s 11.20	
870				f 1.15	4.09		f 8.29	241.3		BLAKELEY		10.5	f 8.29		f 5.42		f 11.05	
662				f 1.35	4.17		f 8.36	244.2		HAVANA		7.6	f 8.22		f 5.34		f 10.50	
1400				f 2.00	4.25		f 8.43	247.2		SAXE		4.6		8.15	f 5.25		f 10.35	
OWFTY				2.30PM	4.45PM		9.00AM	251.8	DN-R	<b>PENDLETON</b>	Fd	0.0	8.00AM		5.10PM		10.15AM	
		Arrive Daily	Arrive Tues. Thur. and Sat.	Arrive Daily Ex. Sun.	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily		(103.8)			Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Mon. Wed. and Fri.

(1.50)	(0.40)	(4.20)	(0.12)	(5.00)	(1.05)	(2.00)	Time	(0.20)	(5.10)	(1.10)	(2.20)	(2.05)	(3.45)	(0.40)
13.8	11.3	10.8	25.5	20.8	23.3	23.4	Average Speed per Hour	15.3	20.1	21.7	20.0	12.1	12.5	11.3

**Westward trains are superior to trains of the same class in the opposite direction.—See Rule 72.**  
**No. 8 has right over No. 61, Walla Walla to Bolles.**

WESTWARD—Yakima Branch—EASTWARD

Length of passing tracks in feet and location of scales, water, fuel, telephone and turning stations.	SECOND CLASS				FIRST CLASS						Distance from Attalia	FIRST CLASS							SECOND CLASS				
	155	55	161	57	135	141	41	143	131	31		134	42	142	144	32	132	58	56	156	162		
	Freight	Freight	Freight	Freight	Passenger	Passenger	Passenger	Passenger	Passenger	Passenger		Passenger	Passenger	Passenger	Passenger	Passenger	Passenger	Freight	Freight	Freight	Freight		
Leave Daily Ex. Sun.	Leave Daily Ex. Sun.	Leave Daily Ex. Sun.	Leave Daily Ex. Mon.	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily Ex. Sun.	Arrive Daily Ex. Sun.	Arrive Daily Ex. Sun.	Arrive Daily Ex. Sun.			
2272 WFYP				5.10AM			11.25AM			5.00AM	2.6	DN-R	WALLULA			12.50PM			11.30PM	1.20PM			
1470 YP				5.30			11.35			5.10	0.0		ATTALIA			12.40			11.20	1.00			
520				5.40			11.42			5.17	3.4		TWO RIVERS			12.32			11.10	12.50			
2694				5.50			11.50			5.25	7.0		VILLARD			12.25			11.01	12.40			
											7.1		N. P. CROSSING										
700				6.00			11.58AM			5.33	8.8		HEDGES			12.19			10.55	12.30			
3552 W WP				6.30			12.10PM			5.45	13.2	D	KENNEWICK			12.10PM			10.45	12.10PM			
2489 E													LESIE			11.54AM			10.21	11.20AM			
2728				7.05			12.25			6.00	20.7		LEDBEDER			11.42			10.07	11.05			
2895				7.35			12.37			6.12	26.4		GROSSCUP			11.38			10.03	10.58			
517				7.40			12.40			6.15	28.1		ACTON			11.32			9.55	10.50			
2696				8.00			12.48			6.23	31.4		BENTON CITY			11.22			9.41	10.30			
2179 WP				8.30			1.00			6.35	36.5	D	CORRAL			11.16			9.31	10.13			
503				8.40			1.06			6.41	39.3		GLEN			11.09			9.23	10.00			
2708				9.00			1.15			6.51	43.1		BIGGAM			10.59			9.10	9.41			
623				9.20			1.26			7.04	48.3		NORTH PROSSER			10.54			9.03	9.35			
2296				9.35			1.33			7.11	50.9		GRANDVIEW			10.40			8.45	9.15	8.30PM		
2625 WFP		9.30PM		10.00			1.50			7.30	57.9	D-R	MIDVALE			8.05AM		10.23AM	2.25PM		8.00PM	10.20PM	
1872 YP	9.50PM		7.30PM		8.08PM	2.05PM		10.03AM	7.45AM		63.8	R	SUNNYSIDE			7.55AM		10.13AM	2.15PM			7.50PM	10.10PM
1500 P	10.00PM		7.40PM		8.17PM	2.14PM		10.12AM	7.54AM		66.6	R	MIDVALE				10.23		8.28		8.53	8.00	
1872 YP		9.50 10.20		10.23			2.05 2.25			7.45 8.05	63.8	R	EMERALD			9.55			8.00	8.45	7.15		
2675		10.30		10.40			2.33			8.13	67.5		GRANGER			9.41			7.46	8.27	7.00		
2723 WP		10.50		11.00			2.48			8.27	73.5	D	BOONE			9.34			7.39	8.10	6.50		
1000		10.58		11.08			2.54			8.33	76.2		ZILLAH			9.28			7.33	8.00	6.40		
1824 P		11.10		11.15			3.00			8.40	78.5	D-R	CUTLER			9.22			7.28				
400							3.04			8.44	80.2		BUENA			9.19			7.25	7.50	6.20		
2023 P		11.25		11.25			3.08			8.48	81.5		SAWYER			9.11			7.17	7.41	6.12		
1000		11.35		11.33			3.15			8.56	84.5		DONALD			9.05			7.11	7.35	6.05		
1640 P		11.45PM		11.40			3.20			9.05	86.7	D	N. P. CROSSING										
											90.0		PARKER										
1600		12.01AM		11.50AM			3.30			9.13	90.7		N. P. CROSSING										
											91.3		UNION GAP										
2046		12.15		12.05PM			3.40			9.22	95.0		YAKIMA			8.40AM			6.52	7.10	5.40		
OWFTYP		12.30AM		12.30PM			3.50PM			9.30AM	98.1	D-R	(100.7)						6.45PM	7.00AM	5.30PM		
	Arrive Daily Ex. Sun.	Arrive Daily Ex. Mon.	Arrive Daily Ex. Sun.	Arrive Daily Ex. Mon.	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily			Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily Ex. Sun.	Leave Daily Ex. Sun.	Leave Daily Ex. Sun.	Leave Daily Ex. Sun.
	(0.10) 16.8	(3.00) 13.4	(0.10) 16.8	(7.20) 13.7	(0.09) 18.7	(0.09) 18.7	(4.25) 22.8	(0.09) 18.7	(0.09) 18.7	(4.30) 21.2		Average Speed per Hour	(0.10) 16.8	(4.10) 25.5	(0.10) 16.8	(0.10) 16.8	(4.45) 21.2	(0.10) 16.8	(6.20) 15.9	(3.00) 13.4	(0.10) 16.8	(0.10) 16.8	

Westward trains are superior to trains of the same class in the opposite direction.—See Rule 72.

No. 56 has right over No. 55, Yakima to Grandview.

WESTWARD—Wallula Branch—EASTWARD

Length of passing tracks in feet and location of scales, water, fuel, telephone and turning stations.	SECOND CLASS			FIRST CLASS		Distance from Wallula	Time Table No. 14 November 14, 1920			Distance from Wallula	FIRST CLASS		SECOND CLASS	
	53 Freight	45 Passenger	41 Passenger	STATIONS	46 Passenger		42 Passenger	54 Freight						
									Leave Daily		Leave Daily	Leave Daily	Arrive Daily	Arrive Daily
OWFTYP	10.30AM	11.00PM	10.10AM	0.0	DN-R WALLA WALLA <sup>Dispr. Dx Bu</sup> 2.2	31.0	4.10AM	2.10PM	5.30PM					
948	10.40	f11.05	f10.15	2.2	FINCH (W.W.V. Ry. Crossing) 4.6	28.8	f 4.00	f 2.00	5.10					
618	10.55	f11.16	f10.25	6.8	WHITMAN 4.7	24.2	f 3.45	f 1.48	4.50					
686	11.10	s11.27	s10.35	11.5	LOWDEN 4.4	19.5	s 3.32	s 1.36	4.30					
1509 WP	11.45AM	s11.38	s10.45	15.9	D TOUCHET Ch 4.9	15.1	s 3.20	s 1.25	4.10					
250	12.10PM	f11.49	f10.55	20.8	DIVIDE 2.6	10.2	f 3.07	f 1.13	3.45					
730	12.20	f11.55PM	f11.00	23.4	REESE 7.6	7.6	f 3.00	f 1.07	3.30					
2272 WFYP	12.50PM	12.15AM	11.25AM	31.0	DN-R WALLULA Jn (31.0)	0.0	2.40AM	12.50PM	3.00PM					
	Arrive Daily	Arrive Daily	Arrive Daily				Leave Daily	Leave Daily	Leave Daily					
	(2.20) 13.3	(1.15) 24.8	(1.15) 24.8	Time			(1.30) 20.7	(1.20) 23.3	(2.30) 12.4					

WESTWARD—Pomeroy Branch—EASTWARD

Length of passing tracks in feet and location of scales, water, fuel, telephone and turning stations.	SECOND CLASS		Distance from Pomeroy	Time Table No. 14 November 14, 1920			Distance from Starbuck	SECOND CLASS	
	105 Mixed	STATIONS		106 Mixed					
					Leave Daily	Arrive Daily		Arrive Daily	
1767 WT	10.00AM	1.0	D-R POMEROY Py 1.0	29.9	3.00PM				
1326	f10.14	5.5	ZUMWALT 5.4	24.4	f 2.40				
192	f10.33	10.9	HOUSER 4.4	19.0	f 2.20				
1009 W	f10.47	15.3	CHARD 3.2	14.6	f 2.00				
508	f10.57	18.5	JACKSON 3.0	11.4	f 1.45				
1009	f11.10	22.1	DELANEY 7.8	7.8	f 1.30				
WYFT	11.45AM	29.9	DN-R STARBUCK Sa (29.9)	0.0	1.00PM				
	Arrive Daily			Leave Daily					
	(1.45) 17.1	Time		(2.00) 15.0	Average Speed per Hour				

WESTWARD—Dayton Branch—EASTWARD

Length of passing tracks in feet and location of scales, water, fuel, telephone and turning stations.	SECOND CLASS		FIRST CLASS		Distance from Turner	Time Table No. 14 November 14, 1920			Distance from Bolles	FIRST CLASS		SECOND CLASS	
	67 Mixed	65 Mixed	63 Passenger	61 Motor		STATIONS	64 Passenger	62 Motor		66 Mixed	68 Mixed		
												Leave Mon. Wed. & Fri.	Leave Daily
1502 T	3.20PM				0.0	TURNER 2.2	24.9						3.20PM
1305					2.2	WHESTONE 3.4	22.7						
1415					5.6	RONAN 6.3	19.3						
1355 WT	4.10PM	4.20PM	12.45PM	10.15AM	11.9	D-R DAYTON Da 3.4	13.0	2.10PM	6.50PM	12.10PM	2.30PM		
752		f 4.30	f12.55	f10.25	15.3	LONG 0.9	9.6	f 1.59	f 6.39	f11.55AM			
					16.2	N. P. CROSSING 2.7	8.7						
969		s 4.42	s 1.05	s10.35	18.9	HUNTSVILLE 2.5	6.0	s 1.48	s 6.28	s11.40			
1254		s 4.55	s 1.13	s10.45	21.4	D WAITSBURG Bg 3.5	3.5	s 1.40	s 6.20	s11.25			
WTP		5.10PM	1.25PM	10.55AM	24.9	R BOLLES (24.9)	0.0	1.30PM	6.10PM	11.10AM			
	Arrive Mon. Wed. & Fri.	Arrive Daily	Arrive Daily	Arrive Daily				Leave Daily	Leave Daily	Leave Daily	Leave Mon. Wed. & Fri.		
	(0.50) 14.3	(0.50) 15.6	(0.40) 19.5	(0.40) 19.5	Time		(0.40) 19.5	(0.40) 19.5	(1.00) 13.0	(0.50) 14.3	Average Speed per Hour		

Westward trains are superior to trains of the same class in the opposite direction.—See Rule 72.

No. 66 has right over No. 63, Bolles to Dayton.

No. 68 has right over No. 67, Dayton to Turner.

RAILWAY CROSSINGS

# THIRD DIVISION

## SPECIAL RULES

### PASSENGER TRAINS

1. Nos. 5 and 6 will stop on flag at Magallon, Mathew, Walker and Sheffler.  
No. 11 will stop to let off passengers from points north or east of Spokane.  
Nos. 31 and 32 will stop on flag at Pana.  
Nos. 41 and 42 will stop on flag at Boone for passengers to and from points east of Grandview only.  
Nos. 31, 32, 41 and 42 will stop on flag at Mellis, Dunbro, Flint, Dalton, Baird, Morris, Waneta, Forsell, Schultz, and McDougal.

### FREIGHT TRAINS

- Nos. 255 and 256 will carry passengers between Wallula and Umatilla.  
Passengers will not be carried on other freight trains, except persons in charge of special freight, employes with annual passes or employes on trip passes when travelling on company business between stations at which trains stop. See Rule 720.

2. **Movements in Yards.** All trains, yard engines, light engines, etc., must proceed under control in both directions within yards at Umatilla, Wallula-Attalia, Ayer Junction, Riparia, Starbuck, Walla Walla, Pendleton, Zillah and Yakima. Under control means to be able to stop within the distance track is seen to be clear.  
**Protection at other Stations.** Where yard limit signs are not erected, the station (S) whistling posts will be considered the yard limits. Stations referred to are those shown on the face of time table schedule. Extra trains must approach such stations expecting to find main track occupied without flag protection, and should any collision occur, the responsibility will rest upon the extra train approaching the station. Trains occupying main track at such stations must protect against regular trains and will also be governed by rules in regard to meeting and right-of-track orders.  
Yard limits at Wallula extend through and include Attalia.
3. All trains will obtain clearance at Wallula, Ayer Junction, Starbuck and Walla Walla. Unnecessary to whistle for train order signal at these stations.  
On branch lines train order signal lights will not be kept burning after passage of regular trains for the day. Trains are not required to obtain clearance cards at Midvale, Bolles and Turner, and at Riparia, Ayer Jct., Dayton, Pomeroy and Sunnyside when offices are closed.
4. White flag or indicator board displayed at a blind siding will indicate cars or LCL freight to be moved. Trains doing local work will be governed accordingly.
5. Trains (except passenger) consisting of more than twenty-five cars will cut off engine to take water or fuel, and will also cut off way cars before spotting.
6. A buffer car (not to be occupied by passengers) will be used on passenger trains between locomotive and cars occupied by passengers.
7. Train registers will not be used as a means of identifying extra trains.
8. Helper engines on passenger trains will be coupled ahead of regular engine.
9. Movement of trains over the Yakima River Bridge, one mile east of Parker, which is used jointly with Nor. Pac. Ry., is controlled by automatic block signals. Trains will run under control over this track. See Rule 509.
10. **Joint Operation, Zillah.** All tracks of O-W. R. R. & N. Lines and N. P. Ry. within yard limits of Zillah are used jointly by both companies for switching purposes. All trains using joint N. P. tracks will be governed by O-W. R. & N. Rule 93.
11. Engines heavier than 150,000 pounds on drivers will not be double-headed over Snake River Bridge at Riparia, over Columbia River Bridge between Villard and Hedges, over Yakima River Bridge at Benton City, over Yakima River Bridge between Parker and Union Gap, or over Howe truss bridge at Touchet.
12. All trains will stop before crossing drawbridge over Snake River at Riparia and over Columbia River between Villard and Hedges.
13. Second-class trains will not register at Zillah.

### DIVISION SPEED RESTRICTIONS

14. Passenger, mail or express trains, will not exceed a speed of 60 miles per hour and other trains, including light engines and engines with caboose, will not exceed a speed of 35 miles per hour.  
Passenger, mail or express trains will not exceed a speed of 40 miles per hour around 5 and 6 degree curves, 35 miles per hour around 7 and 8 degree curves, and 30 miles per hour around 9 and 10 degree curves; and other trains will not exceed 30 miles per hour around 5 and 6 degree curves, 25 miles per hour around 7 and 8 degree curves, and 20 miles per hour around 9 and 10 degree curves. Figures on stakes at beginning of curves indicate degree of curvature.

In any class of service, engines of Consolidation and Mikado class will not exceed speed of 35 miles per hour, except Mikado class engines with drivers 63 inches or over handling passenger trains will not exceed speed of 50 miles per hour. Mallet class engines of 3800 series will not exceed a speed of 15 miles per hour and of 3600 series 20 miles per hour.

The maximum speed permitted for engines running forward will not apply to engines running backward. Engineers running engines backward must take into consideration climatic conditions, weight of engine and track conditions, particularly sharp curves, and reduce speed or lose time sufficient to make the run safe. Trains will be handled with care and under control, when sand is blowing, when weather is foggy or stormy and at points where there is liability of track being obstructed.

Slow Boards and Caution Signals will be erected one-fourth mile from the point which they are intended to cover.

### SUB-DIVISION SPEED RESTRICTIONS AND TRAIN INSPECTION STATIONS

<ol style="list-style-type: none"> <li>15. <b>TENTH SUB-DIVISION.</b> <ol style="list-style-type: none"> <li>A. Between Ayer Junction and Grange City Junction-----</li> </ol> </li> <li>16. <b>RIPARIA-PENDLETON SUB-DIVISION.</b> <ol style="list-style-type: none"> <li>A. Between Riparia and Pendleton-----</li> <li>On descending grades, between Starbuck and Alto-----</li> <li>On descending grades, between Mile Posts 32½ and 22-----</li> <li>Over Snake River Bridge at Riparia-----</li> <li>Over street crossings at grade in Walla Walla, Athena and Pendleton-----</li> <li>Over street crossings at grade in Milton-----</li> <li>B. In addition to making inspection of trains as often as possible, as per Rule 324, eastbound freight and mixed trains will stop 5 minutes at Bade and Relief to permit wheels to cool, during which time train men will inspect train for overheated and cracked wheels, and before proceeding, recharge train line and auxiliaries fully.</li> </ol> </li> <li>17. <b>BRANCHES.</b> <table border="0" style="width: 100%; margin-left: 20px;"> <tr> <td style="width: 80%;">Yakima-Wallula-----</td> <td style="width: 10%; text-align: center;">Passenger</td> <td style="width: 10%; text-align: center;">Freight</td> </tr> <tr> <td>Over street crossings at grade in Kennewick-----</td> <td style="text-align: center;">40 miles</td> <td style="text-align: center;">30 miles</td> </tr> <tr> <td>Over Columbia River Bridge between Villard and Hedges-----</td> <td style="text-align: center;">8 miles</td> <td style="text-align: center;">8 miles</td> </tr> <tr> <td>Over street crossings at grade in Zillah and Yakima-----</td> <td style="text-align: center;">10 miles</td> <td style="text-align: center;">10 miles</td> </tr> <tr> <td>Pomeroy-Dayton-----</td> <td style="text-align: center;">10 miles</td> <td style="text-align: center;">10 miles</td> </tr> <tr> <td>Over street crossings at grade in Dayton-----</td> <td style="text-align: center;">25 miles</td> <td style="text-align: center;">20 miles</td> </tr> <tr> <td></td> <td style="text-align: center;">6 miles</td> <td style="text-align: center;">6 miles</td> </tr> </table> </li> </ol>	Yakima-Wallula-----	Passenger	Freight	Over street crossings at grade in Kennewick-----	40 miles	30 miles	Over Columbia River Bridge between Villard and Hedges-----	8 miles	8 miles	Over street crossings at grade in Zillah and Yakima-----	10 miles	10 miles	Pomeroy-Dayton-----	10 miles	10 miles	Over street crossings at grade in Dayton-----	25 miles	20 miles		6 miles	6 miles	<table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;"></td> <td style="width: 10%; text-align: center;">Passenger</td> <td style="width: 10%; text-align: center;">Freight</td> </tr> <tr> <td></td> <td style="text-align: center;">40 miles</td> <td style="text-align: center;">30 miles</td> </tr> <tr> <td></td> <td style="text-align: center;">40 miles</td> <td style="text-align: center;">30 miles</td> </tr> <tr> <td></td> <td style="text-align: center;">30 miles</td> <td style="text-align: center;">12 miles</td> </tr> <tr> <td></td> <td style="text-align: center;">30 miles</td> <td style="text-align: center;">15 miles</td> </tr> <tr> <td></td> <td style="text-align: center;">5 miles</td> <td style="text-align: center;">5 miles</td> </tr> <tr> <td></td> <td style="text-align: center;">6 miles</td> <td style="text-align: center;">6 miles</td> </tr> <tr> <td></td> <td style="text-align: center;">15 miles</td> <td style="text-align: center;">15 miles</td> </tr> </table>		Passenger	Freight		40 miles	30 miles		40 miles	30 miles		30 miles	12 miles		30 miles	15 miles		5 miles	5 miles		6 miles	6 miles		15 miles	15 miles
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### AIR BRAKES

18. Trainmen will be particular to know that air is cut in on all cars picked up, and before descending heavy grades must know that all good order air brakes are cut into the train line. Hand brakes must be used on "non-air" and "cut out" cars descending heavy grades.
19. All pressure retaining valves will be used on all freight trains descending grades Mile Post 22 to Mile Post 32½, Riparia-Pendleton Sub-Division; Alto to Starbuck and Alto to Menoken; Turner to Whetstone and Mile Post 20½ to Dayton; on passenger trains descending grades Mile Post 22 to Bade and Alto to Relief.
20. The braking power on engines helping or pushing trains will be cut into the train line and particular attention will be given to cutting in of driver brakes. When helper is used ahead of regular engine, the regular engineer will set air on train, to be released by helper engineer, and vice versa when this helper cuts off.
21. On eastward freight trains immediately before leaving Alto, in order to ascertain if air is working through entire train, engineer will sound one long blast of the whistle, then place brake valve in lap position, rear brakeman or conductor will then apply the brakes by opening the cock at rear end of last car in train, allowing enough air to escape to apply the brakes slowly and firmly. Engineer will watch gauge, and if proper reduction is made in train line, will acknowledge same by two short blasts of the whistle.
22. Air must not be applied while crossing Snake River Bridge at Riparia.

## RAILWAY CROSSINGS

See General Rule 98:

The following is the law in Washington:

Trains Shall Stop at Railroad Crossings.—All railroads and street

railroads, operating in this state shall cause their trains and cars to come to a full stop at a distance not greater than five hundred (500) feet before crossing the tracks of another railroad crossing at grade,

excepting at crossings where there are established signal towers and signal men, interlocking plants or gates.

# RATING OF LOCOMOTIVES IN FREIGHT SERVICE IN TONS OF 2000 POUNDS.

## THIRD DIVISION

Total weight of train exclusive of engine and tender, which the different classes of locomotives will haul in each direction between the stations shown, under favorable weather conditions; (A deduction of ten (10) per cent may be made for time freight trains.) Between stations for which no rating is shown maximum will apply.

CLASSIFICATION	ENGINE NUMBERS	GRANGE CITY JUNCTION AND UMATILLA				RIPARIA AND PENDLETON										WALLA WALLA and WALLULA		TURNER AND BOLLES				POMEROY and STARBUCK		WALLULA and YAKIMA			
		WESTWARD		EASTWARD		WESTWARD					EASTWARD					Westward	Eastward	WESTWARD		EASTWARD		Westward	Eastward	Westward	Eastward		
		Grange City Jct. to Wallula	Wallula to Umatilla	Umatilla to Humorist	Humorist to Grange City Jct.	Riparia to Starbuck	Starbuck to Alto	Alto to Bolles	Bolles to Walla Walla	Walla Walla to Milton	Milton to Weston	Weston to Pendleton	Pendleton to Walla Walla	Walla Walla to Bolles	Bolles to Alto			Alto to Riparia	Turner to Dayton	Dayton to Bolles	Bolles to Dayton					Dayton to Turner	
T. 55	18 71 24	1701 to 1708	1210	935	935	1275	620	165	440	470	560	255	935	445	365	315	935	935	470	600	1275	365	340	1275	470	850	935
M. 57	18 91 24	4200 to 4208	1360	1050	1050	1430	695	185	485	520	630	285	1050	495	410	350	1050	1050	520	670	1430	410	380	1430	520	950	1050
T. 63	19 92 24	1709 to 1714	1330	1025	1025	1400	680	180	475	510	615	280	1025	485	400	340	1025	1025	510	655	1400	400	370	1400	510	930	1025
T. 63	20 113 24	1715 to 1726	1490	1150	1150	1570	760	200	555	625	690	315	1150	610	520	400	1150	1150	625	735	1570	520	460	1570	625	1050	1150
C. 51	20 117 24	700 to 704	1750	1345	1345	1835	890	240	650	725	810	370	1345	710	615	465	1345	1345	725	860	1835	615	540	1835	725	1220	1345
T. 57	20 119 26	1733 to 1736	1850	1430	1430	1950	950	270	690	775	860	400	1430	755	650	495	1430	1430	775	915	1950	650	570	1950	775	1300	1430
T. 64	15 26 139 26	1727 to 1732	1970	1520	1520	2070	1000	280	735	820	910	425	1520	800	690	525	1520	1520	820	975	2070	690	610	2070	820	1380	1520
C. 50	20 137 26	705 to 706	2140	1650	1650	2250	1080	290	795	895	990	440	1650	895	745	555	1650	1650	895	1055	2250	745	645	2250	895	1500	1650
C. 55	19 149 30	707 to 709	2200	1700	1700	2320	1130	300	820	925	1020	465	1700	925	770	585	1700	1700	925	1090	2320	770	680	2320	925	1545	1700
T. 69	22 159 28	1742 to 1754	2150	1660	1660	2265	1090	290	800	900	995	450	1660	900	750	560	1660	1660	900	1060	2265	750	650	2265	900	1510	1660
T. 63	22 160 28	1755 to 1760	2370	1830	1830	2500	1210	340	885	995	1100	510	1830	1000	830	630	1830	1830	995	1180	2500	830	730	2500	995	1660	1830
C. 57	20 167 30	710, 715 & 724	2330	1800	1800	2460	1200	325	875	975	1080	500	1800	985	820	625	1800	1800	975	1150	2460	820	720	2460	975	1635	1800
C. 57	20 169 30	720, 721 & 723	2590	2000	2000	2730	1325	370	970	1080	1200	550	2000	1090	910	695	2000	2000	1080	1280	2730	910	800	2730	1080	1820	2000
C. 57	15 26 167 30	711 to 718	2435	1880	1880	2560	1250	350	920	1010	1130	520	1880	1030	855	650	1880	1880	1010	1200	2560	855	750	2560	1010	1710	1880
C. 57	22 179 30	725 to 729	2850	2200	2200	3000	1475	425	1100	1210	1350	630	2200	1215	1040	785	2200	2200	1210	1425	3000	1040	900	3000	1210	2000	2200
C. 57	22 187 30	730 to 768	3175	2450	2450	3350	1620	435	1180	1360	1470	680	2450	1350	1110	850	2450	2450	1360	1570	3350	1110	980	3350	1360	2230	2450
MK. 57	23 205 30	2100 to 2165																									

### ALLOWANCE FOR EMPTY OR UNDER-LOADED CARS

	For each empty car or loaded car weighing less than 40,000 lbs. (including light weight of car.)	For each empty or loaded car weighing between 40,000 and 50,000 lbs. (including light weight of car.)
Umatilla to Grange City Jct.	6000	3000
Grange City Jct. to Umatilla	6000	3000
Riparia to Pendleton	3000	.....
Pendleton to Riparia	3000	.....
Wallula to Yakima	6000	3000
Yakima to Wallula	6000	3000
Walla Walla to Wallula	6000	3000
Wallula to Walla Walla	3000	.....
Turner to Bolles	3000	.....
Bolles to Turner	3000	.....
Pomeroy to Starbuck	.....	.....
Starbuck to Pomeroy	3000	.....

### CLASS

- "E"—Eight Wheel
- "A"—Atlantic
- "P"—Pacific
- "T"—Ten Wheel
- "M"—Mogul
- "C"—Consolidation
- "TW"—Twelve Wheel
- "S"—Switch.
- "MK"—Mikado.
- "TTT"—Two-Ten-Two.
- "MC"—Mallet Compound.

Example:—Consolidation engine having 57-inch drivers, Cylinders 22-inch diameter and 30-inch stroke, and weighing 187,000 pounds on Drivers:

C. 57 22 187  
30

**LIST OF SURGEONS**  
DONALD H. JESSOP, Chief Surgeon, Portland, Ore.

NAME	TITLE	PLACE	DISTRICT
M. K. HALL C. M. PEARCE	Assistant Surgeon Chief Oculist, Ear, Nose and Throat	Portland, Corbett Bldg. Portland, Selling Bldg. Portland, Selling Bldg.	O.-W. R. & N. System O.-W. R. & N. System
HENRY C. VIERECK PRATT AND RHOADES	District Surgeons	Walla Walla	{Umatilla and Riparia Pendleton and Walla Walla
C. O. WAINSCOTT E. H. VANPATTEN	District Surgeon District Surgeon	Hermiston Dayton	Umatilla Walla Walla and Dayton
C. K. OSBORNE	District Surgeon	Starbuck	{Walla Walla and Pomeroy Ayer Jct. and Riparia
A. J. HELTON J. A. PAYZANT MARVIN MUNCELL	District Surgeon District Surgeon District Surgeon	Yakima Granger Grandview	Yakima Granger Grandview

When employes, passengers or others are injured, call the nearest Railroad Surgeon.

When necessary to call Surgeons, other than those regularly employed by the Railroad, it should be with the distinct understanding that their services will not be required after arrival of Railroad Surgeon.

Any officer of the Railroad is authorized to call Railroad Surgeons to attend the injured.

When injuries arise to tramps, boys or other persons climbing on or jumping from moving trains, or to persons walking or lying on the tracks, such persons should be sent to their homes, or placed in charge of Local Relief Authorities after immediate necessary attention has been rendered by Railroad Surgeon.

**PASSENGERS STOPS ("S" AND "F") AND TRACKS  
NOT SHOWN AS STATIONS IN THE TIME TABLE SCHEDULE**

TENTH SUB-DIVISION		YAKIMA BRANCH	
Cold Springs	M. P. 194.0	Purdy	M. P. 2.0
Sheffler	" 242.0	Kalan	" 8.1
Walker	" 244.0	McDougal	" 32.9
Mathew	" 253.4	Schultz	" 52.7
Magallon	" 259.0	Forsell	" 59.9
RIPARIA-PENDLETON SUB-DIVISION		Waneta	" 61.8
Langdon	M. P. 44.5	Morris	" 66.5
McKay	" 78.0	Baird	" 69.0
Powers	" 96.0	Dalton	" 75.9
WALLULA BRANCH		Pana	" 77.5
Artesia	M. P. 29.1	Flint	" 83.5
Robinson	" 28.4	Dunbro	" 85.2
Reavis	" 21.5	Mellis	" 88.3
DAYTON BRANCH		POMEROY BRANCH	
Taggard	M. P. 4.7	Dodge	M. P. 16.2
Dumas	" 8.2		

**LOCATION STANDARD CLOCKS**

Walla Walla	Dispatcher's Office
Pendleton	Telegraph Office
Starbuck	Telegraph Office
Umatilla	Telegraph Office
Yakima	Telegraph Office

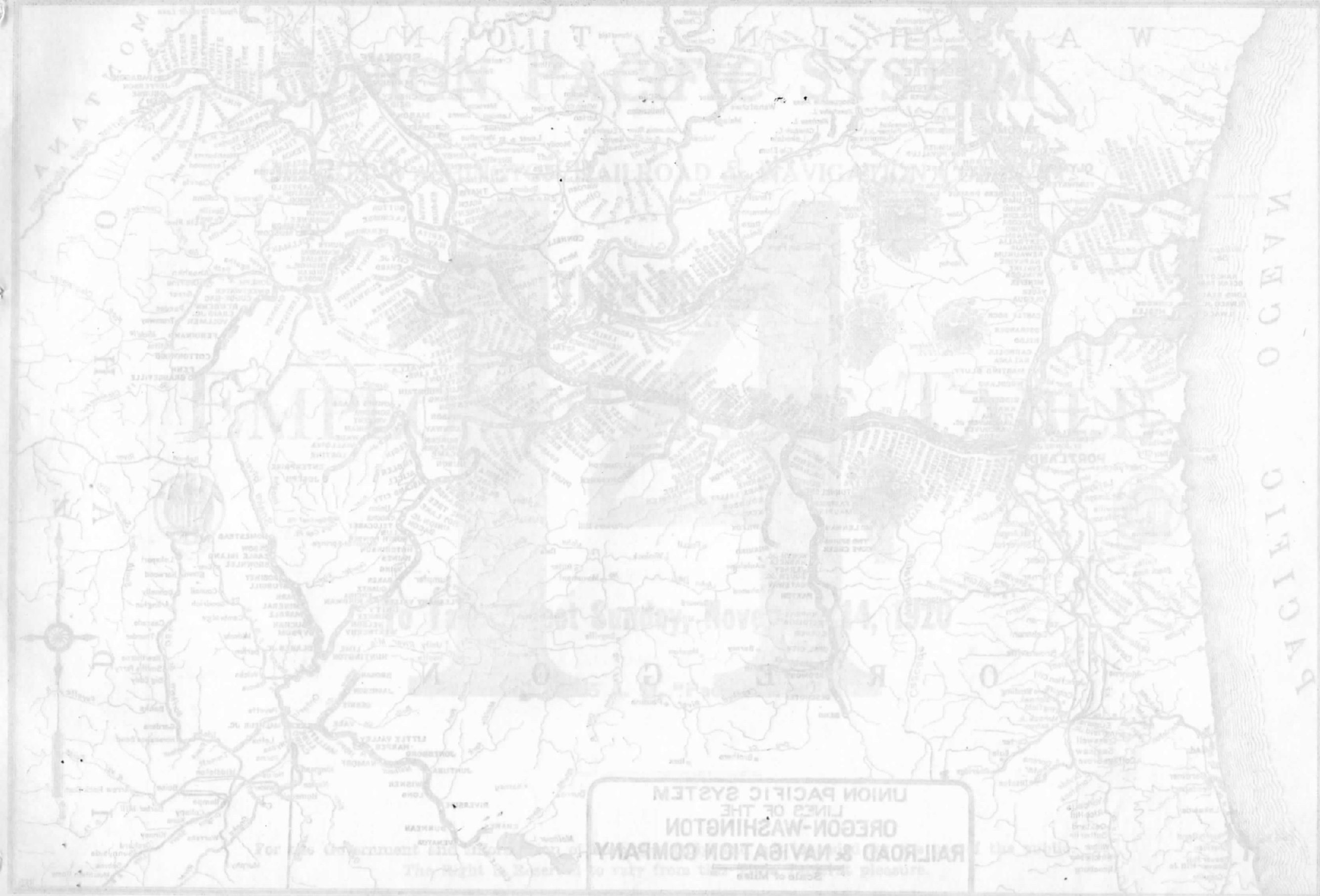
**GENERAL TIME INSPECTORS**

Webb C. Ball, General Time Inspector, San Francisco

**LOCATION TIME SERVICE INSPECTORS**

Belding & Saxton	Portland
A. L. Schaefer	Pendleton
Martin Jewelry Co.	Walla Walla
Geo. F. Cohrs	Spokane
Noble Jewelry Co.	Yakima
E. L. Gard	Dayton

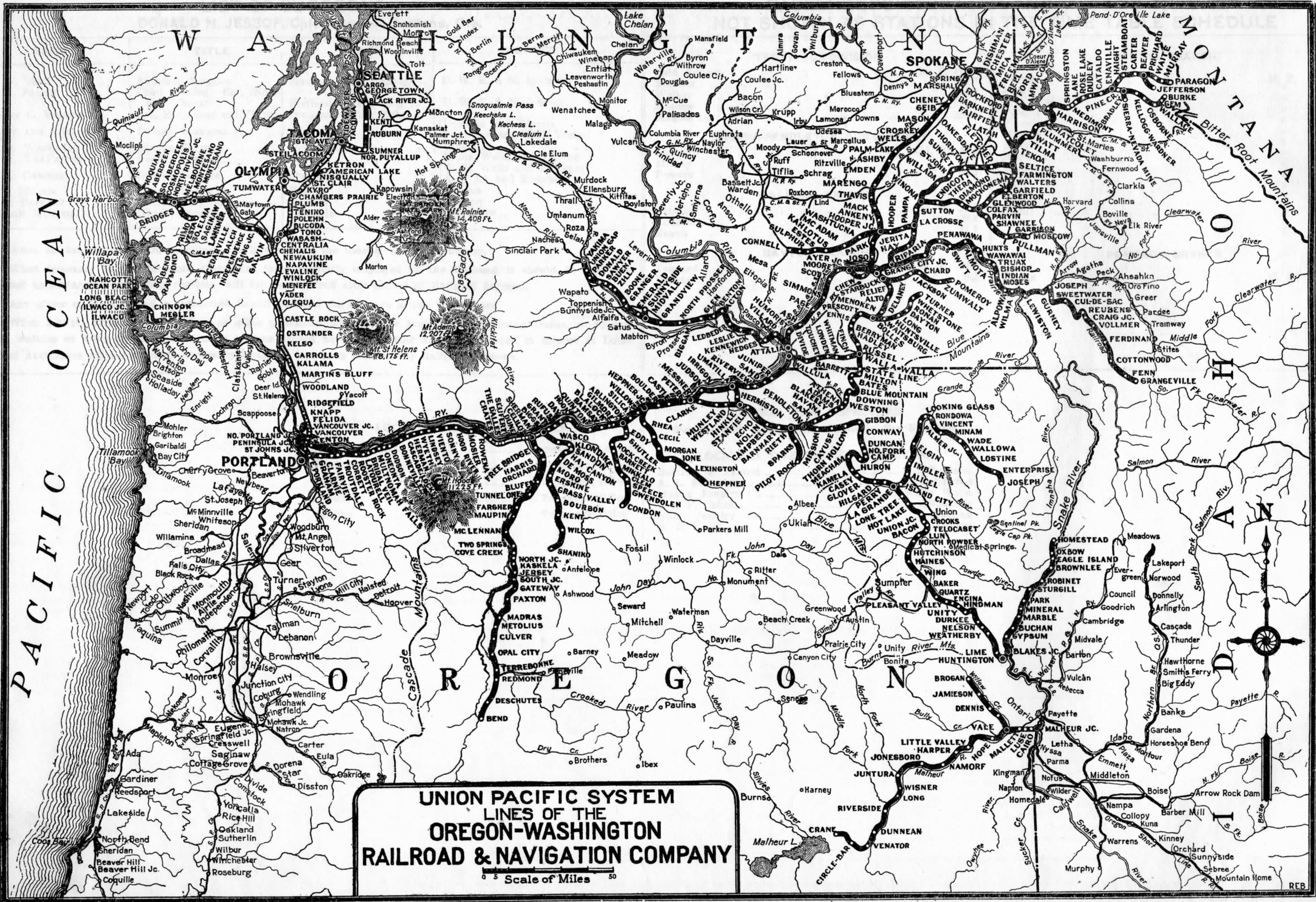
**RAILWAY CROSSINGS**



RAILROAD & NAVIGATION COMPANY  
LINES OF THE  
UNION PACIFIC SYSTEM

PACIFIC OCEAN

Scale of Miles



**UNION PACIFIC SYSTEM  
LINES OF THE  
OREGON-WASHINGTON  
RAILROAD & NAVIGATION COMPANY**

Scale of Miles 50