

# GREAT NORTHERN RAILWAY LINE

GREAT NORTHERN RAILWAY

## CASCADE DIVISION

# TIME TABLE No. 57

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

## SUNDAY, JUNE 3, 1906.

THIS TIME TABLE IS FOR THE USE OF EMPLOYES ONLY.

DESTROY ALL PREVIOUS TIME TABLES.

W. D. SCOTT, Superintendent.

H. A. KENNEDY, Asst. General Superintendent.

R. W. BRYAN, General Supt. Transportation.

GEO. T. SLADE, General Superintendent.

F. E. WARD, General Manager.

THIRD CLASS.		SECOND CLASS.	FIRST CLASS.			Car Capacity of Seating.	Distance from Leavenworth.	TIME TABLE No. 57. IN EFFECT JUNE 3, 1906.		Distance from Delta.	Water, Coal, Wood, Fuel, Tables, Seating, and Crewnage.	FIRST CLASS.			SECOND CLASS.		THIRD CLASS.	
713	711	401	277	3	1			2	4			278	402	712	714	Passenger	Passenger	Passenger
Way Freight	Way Freight	Fast Freight	Passenger	Passenger	Passenger							Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily
Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily													
	7.00pm	2.25pm		12.40am	1.05pm	231		DN-R	LEAVENWORTH	CH	107.6	WCT	3.35pm	2.25am		4.30pm	12.20am	
		3.18		12.58	1.24	42	6.3		6.3	DRURY	101.3		4.01	2.08		4.00	11.50	
	8.05	3.45		1.10	1.36	89	10.5	DN	4.2	CHIWAUKUM	97.1	W	3.06	1.57		4.01	11.30	
	8.35	4.15		1.25	1.49	55	17.5		7.0	NASON CREEK	90.1		2.52	1.42		3.05	11.00	
	9.05	4.45		1.35	2.00	55	20.5	DN	3.0	MERRITT	87.1		4.02	1.35		2.46	10.45	
	9.40	5.25		1.50	2.13	43	24.9		4.4	GAYNOR	82.7		2.36	1.20		2.13	10.30	
	10.15	5.55		2.03	2.27	42	28.0		3.1	BERNE	79.6	W	2.27	1.11		1.50	10.15	
	11.10	6.50		2.20	2.45	214	32.3	DN-R	4.3	CASCADE TUNNEL	75.3	WT	2.15	1.00		1.30	9.50	
	11.30	7.05		2.30	2.57	92	35.9	DN	3.6	WELLINGTON	71.7	WC	2.00	12.46		12.30pm	8.50	
	11.50	7.20		2.40	3.07	65	39.5		3.6	ALVIN	68.1	W	1.46	12.32		11.55	8.05	
	12.23am	7.35		2.49	3.15	35	42.2		2.7	COREA	65.4		1.37	7.11		11.25	7.35	
	12.40	7.50		3.00	3.27	53	45.2	DN	3.0	MADISON	62.4	W	1.25	12.10am		10.55	6.55	
	12.55	8.05		3.10	3.36	41	48.3		3.1	NIPPON	59.3	W	1.09	11.54		10.10	6.10	
	1.10	8.20		3.20	3.46	50	51.8		3.5	TONGA	55.8		12.57	11.42		9.40	5.40	
402	8.15am	1.30am		6.00am	3.34	145	57.0	DN-R	5.2	SKYKOMISH	50.6	WCTY	12.40	11.25	10.20pm	9.00	5.00pm	3.00pm
	8.35	9.30		6.12	3.50	68	61.1		4.1	GROTTO	46.5		12.24	11.10	10.08	7.50	2.30	
	9.10	9.56		6.25	4.00	69	66.1		5.0	HALFORD	41.5	W	12.13pm	10.59	9.56	7.25	2.00	
	9.50	10.10		6.40	4.12	56	71.2	DN	5.1	INDEX	36.4		11.59	10.44	9.45	6.40	1.05	
	10.25	10.29		6.50	4.22	81	76.3		5.1	ROBY	31.3	W	11.44	10.29	9.30	5.45	12.10pm	
2-714	11.34	10.50		7.00	4.28	113	80.0	D	2.7	GOLD BAR	27.6		713-714	11.34	10.20	9.22	5.10	2-713
				7.08	4.38	17	82.4		2.4	STARTUP	25.2		11.28	10.15	9.14			
12.20pm		11.20		7.18	4.43	76	85.8	DN	2.4	SULTAN	21.8		11.22	10.10	9.05	4.43	10.15	
1.40		11.50		7.35	5.00	68	93.3	DN	7.5	MONROE	14.3	W	11.06	9.54	8.50	4.10	9.15	
2.30		12.20am		7.14	5.16	83	100.2	DN	6.9	SNOHOMISH	7.4		10.50	9.40	8.35	3.45	7.57	
3.00		12.50		8.10	5.26	34	106.0	DN-R	5.8	LOWELL	1.6		10.37	9.29	8.20	3.25	7.25	
3.25pm		1.30am		8.14am	5.30am		107.6		1.6	PACIFIC AVENUE			10.34am	9.26pm	8.16pm			
Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	670	108.7	DN-R	1.6	DELTA	PG	WCT OS	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily
713	711	401	277	3	1							2	4	278	402	712	714	
7.10	6.30	11.05	2.14	4.50	4.55							5.01	5.00	2.05	13.30	7.20	8.00	
7.2	8.8	9.3	22.7	22.3	21.9							21.5	21.5	24.3	8.0	7.8	6.5	

Freight Trains will use Northern Pacific tracks between Lowell and Delta, and will be governed by N. P. time table between these points.

WEST BOUND TRAINS ARE SUPERIOR TO EAST BOUND TRAINS OF THE SAME CLASS. (See Rule 43.)

All trains will be handled under absolute control and without regard to making schedule time at all points where land or snow slides or falling rocks are liable to be encountered. Trains must not follow each other out of stations less than 15 minutes apart. Destroy all time Tables of previous date. (See Rule 5.) All trains must register their arrival and departure at Leavenworth, Cascade Tunnel, Skykomish, Lowell and Delta.

Trains in the same direction down grade between Skykomish and Leavenworth must keep at least 25 minutes apart and operators will block trains as provided in this rule. Skykomish will be considered terminal for Nos. 277, 278, 711, 712, 713 and 714. NOTE:—See general rules for operation of trains through Cascade Tunnel. All trains will reduce speed to eight miles per hour through Martin Creek Tunnel.

WEST BOUND.

SECOND DISTRICT—PACIFIC AVENUE TO SEATTLE.

EAST BOUND.

THIRD CLASS.								FIRST CLASS.								THIRD CLASS.				
719	717	277	275	273	271	3	1	Car Capacity of Sidings.	Distance from Pacific Avenue.	TIME TABLE No. 57. IN EFFECT JUNE 3, 1906.	Distance from Seattle.	Water, Coal, Wye, Turn Tables, Scales and Steamers.	FIRST CLASS.						718	720
Way Freight	Way Freight	Passenger	Passenger	Passenger	Passenger	Passenger	Passenger						2	4	272	274	276	278	Way Freight	Way Freight
Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Car Capacity of Sidings.	Distance from Pacific Avenue.	STATIONS.	Distance from Seattle.	Water, Coal, Wye, Turn Tables, Scales and Steamers.	Passenger	Passenger	Passenger	Passenger	Passenger	Passenger	Way Freight	Way Freight
Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Car Capacity of Sidings.	Distance from Pacific Avenue.	STATIONS.	Distance from Seattle.	Water, Coal, Wye, Turn Tables, Scales and Steamers.	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily
		8 14am	9 20am	2 22pm	8 32pm	5 30am	6 00pm	127		DN-R. PACIFIC AVENUE D	34.2	Y	10 34am	9 25pm	6 00pm	10 02am	7 05pm	8 15pm		
		8 28	9 30	2 32	8 40	5 40	6 13		1.1	DN-R. 1-1 EVERETT ND	33.1		10 30	9 21	5 55	9 58	7 00	8 10		
274 9 50am	4 00am	8 30	9 32	2 34	8 42	5 42	6 15		1.9	0-8 EVERETT JUNCTION	32.3		10 25	9 15	5 49	719 9 50	6 51	7 58	5 25pm	12 25am
10 18	4 15	8 41	9 43	2 44	8 50	5 51	6 24	51	5.7	D. 3-8 MUKILTEO MU.	28.5		719 10 18	9 09	5 41	275 9 43	6 45	7 50	5 05	12 10am
10 55	4 35	8 55	9 55	2 54	9 00	6 00	6 35	65	9.9	4-2 MOSHER	24.3		10 10	9 00	5 31	9 32	6 35	7 37	4 30	11 50
11 10	4 45	9 08	10 05	3 00	9 06	6 05	6 44	55	12.6	2-7 MEADOWDALE	21.6		10 05	8 54	5 28	9 25	6 28	7 28	4 15	11 40
11 40	5 00	9 15	10 16	3 10	9 15	6 13	6 58	103	16.8	DN. 4-2 EDMONDS DR	17.4	W	9 57	8 45	5 18	277 9 15	6 18	7 17	3 50	11 25
12 05pm	5 10	9 25	10 24	3 17	9 22	6 21	7 08	58	19.8	3-0 RICHMOND BEACH	14.4		9 51	8 38	5 12	9 08	6 09	7 05	273 3 17	11 10
12 30	5 30	9 39	10 39	3 31	9 35	6 35	7 22	26	26.0	6-2 METUM	8.2		277 9 39	8 26	4 59	8 55	5 55	6 55	2 25	10 45
12 40	5 40	9 46	10 46	3 40	9 42	6 42	7 28	102	28.9	2-9 BALLARD BD.	5.3		9 33	8 18	4 52	8 48	5 48	6 48	2 10	10 35
12 50pm	5 50am	9 50	10 50	3 45	9 45	6 45	7 30	706	30.0	DN-R. 1-1 INTERBAY RB	4.2	WCTO	9 30	8 15	4 50	8 45	5 45	6 45	2 00pm	10 30pm
		9 55	10 55	3 50	9 50	6 50	7 35			1-7 G. N. DOCK			9 25	8 10	4 45	8 40	5 40	6 40		
		10 05am	11 05am	4 00pm	10 00pm	7 00am	7 45pm	538	34.2	DN-R. 2-5 SEATTLE UD			9 15am	8 00pm	4 35pm	8 30am	5 30pm	6 30pm		
Arrive Daily	Arrive Daily	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
719	717	277	275	273	271	3	1						2	4	272	274	276	278	718	720
3.00 9.3	1.50 15.4	1.51 18.5	1.45 19.5	1.38 21.0	1.28 23.3	1.30 22.8	1.45 19.5			Time Over District. Average Speed Per Hour.			1.19 26.0	1.25 24.3	1.25 24.3	1.32 22.6	1.35 21.5	1.45 19.5	3.25 8.2	1.55 14.6

WEST BOUND TRAINS ARE SUPERIOR TO EAST BOUND TRAINS OF THE SAME CLASS. (See Rule 43.)

All trains will be handled under absolute control and without regard to making schedule time at all points where land or snow slides or falling rock are liable to be encountered.

Trains must not follow each other out of stations less than 15 minutes apart.

Destroy all Time Tables of previous date. (See Rule 5.)

Trains No. 273 and 274 will stop on signal for passengers at the Great Northern Clay Co.'s works at M. P. 10, between Metum and Richmond Beach.

Ballard, Edmonds and Mukilteo will be flag stops for No. 2 to take passengers destined Spokane or points east.

All trains must use 15 minutes between Seattle and Interbay.

All trains must register their arrival and departure at Pacific Av., Everett, Interbay and Seattle.

EAST BOUND.

THIRD DISTRICT—PACIFIC AVENUE TO VANCOUVER.

WEST BOUND.

THIRD CLASS.			FIRST CLASS.			Car Capacity of Sillings.	Distance from Vancouver.	TIME TABLE No. 57. IN EFFECT JUNE 3, 1906.		Distance from Delta.	Water, Coal, Wye, Turn Tables, Scale and Dry Couplings.	FIRST CLASS.			THIRD CLASS.	
721	715	275	273	271	272			274	276			716	722			
Way Freight	Way Freight	Passenger	Passenger	Passenger	Passenger	Passenger	Passenger	Way Freight	Way Freight							
Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Arrive Daily	Arrive Daily							
5.00am			8.35am	4.00pm		DN-R	VANCOUVER	VN	123.7	WCY	10.30pm	3.45pm			6.15pm	
ALL TRAINS BETWEEN NEW WESTMINSTER AND VANCOUVER WILL BE GOVERNED BY V. W. & Y. TIME TABLE.																
6.00am			9.20am	4.35pm		DN-R	NEW WESTMINSTER	NW	109.9		9.50pm	3.00pm			271 4.15pm	
6.10			9.30	4.42			LIVERPOOL		108.4	Y	9.47	2.50			4.00	
			9.35				BON ACCORD		106.1	WIME		2.43				
6.35			9.48	4.57			PORT KELLS		99.5		9.30	2.30			8.25	
7.10			9.59	5.06		D-R	CLOVERDALE	CL	94.2		9.20	2.18			8.00	
			10.10				HAZELMERE		89.1			2.04				
8.00			10.17	5.19			DOUGLAS, B. C.		86.0		9.06	1.57	722		1.57 274	
8.05			10.18	5.20							9.05	1.56			1.56	
8.10			10.19	5.21		D	BLAINE	BN	85.7	W	9.04	1.55			1.45	
8.50			10.28	5.26							8.56	1.48			12.45	
273 10.43			721 10.43	5.39		D	CUSTER	CU	78.3		8.44	1.34			12.15pm	
			10.50				ENTERPRISE		75.6			1.28				
722 11.30			722 10.59	5.48		D	FERDALE	FD	72.7		8.35	1.21			11.30 273 10.55 721	
			11.05				BREYAN		70.4			1.15				
12.45pm 1.30 274	8.00am		6.45am	6.08		D-R	BELLINGHAM	HM	62.9	CWTC	8.18	1.00	10.00pm		9.45 9.00	
2.10	722 8.45		6.53	6.18		D	HARRIS AVE	FN	60.9	W	8.10	12.50	9.50		715 8.45	
716 2.35	9.10		7.03	6.27			CHUCKANUT		56.7		7.58	12.35	9.36		721 2.35	
2.55	9.35		7.15	6.37			SANISH		50.8	W	7.48	12.22	9.23		2.05 7.50	
3.10	10.05		723 7.23	6.44		D	BOW	BO	47.1		7.41	12.12	9.14		1.40 7.23	
3.30	10.30		7.32	6.54		R	BELLEVILLE		42.4		7.33	12.02pm	9.02		1.05 6.55	
4.00	10.45 274 11.55 716		7.40	7.04		D-R	BURLINGTON		39.8	WYX	7.25	11.53	8.54		273 12.35pm 274 11.20 715	
4.30	12.50pm		7.52	7.15		D	MT. VERNON	NR	35.7		7.15	11.38	8.42		10.55 6.05	
5.00	1.20		8.03	7.24		D	FIR	FR	30.3		7.04	11.28	8.28		10.10 5.45	
5.35	2.10		8.17	7.36		D	STANWOOD	B	23.2		6.53	11.09	8.15		9.10 5.15	
6.00	3.00		8.29	7.47		D	SILVANA	NA	17.7	W	6.44	10.55	8.03		275 8.29	
273 6.35	3.30		8.37	7.55			ENGLISH		13.7		6.36	10.47	7.55		7.45 4.40	
7.00	4.20		8.52	8.09		D	MARYSVILLE	MS	6.6		6.24	10.32	7.38		7.00 4.10	
276 7.20pm	5.00pm		9.10	8.24		DN-R	DELTA	PG	2.7	WCFC	6.15	10.20	7.22		6.15am 3.45am	
ALL TRAINS WILL USE NORTHERN PACIFIC TRACKS BETWEEN DELTA AND N. P. JUNCTION—1.2 MILES.																
			9.15	8.28		DN-R	N. P. JUNCTION		1.0		6.04	10.06	7.09			
			9.20am	8.32		DN-R	PACIFIC AVENUE	D		Y	6.00pm	10.02am	7.05pm			
Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily						Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	
721	715	275	273	271							272	274	276	716	722	
14.30 8.4	9.0 6.7	2.35 24.3	5.47 21.4	4.32 27.3			Time Over District Average Speed Per Hour.				4.30 27.5	5.43 21.6	2.55 21.5	9.15 6.5	14.30 8.3	

EAST BOUND TRAINS ARE SUPERIOR TO WEST BOUND TRAINS OF THE SAME CLASS. (See Rule 43.)

Switch at Everett Junction will be kept set for Main Line.

All trains must register their arrival and departure at Pacific Av., N. P. Junction, Delta, Burlington, Belleville, Bellingham, New Westminster.

Seattle and Bellingham are terminals for Nos. 275 and 276.

Seattle and Vancouver are terminals for Nos. 271, 272, 273 and 274.

Delta, Bellingham and Vancouver are terminals for Nos. 721 and 722.

Delta and Bellingham are terminals for Nos. 715 and 716.



SECOND CLASS.		FIRST CLASS.		Car Capacity of Slip-ings.	Distance from Rock-port.	TIME TABLE No 57. IN EFFECT JUNE 3, 1906.		Distance from Ana-cortes.	Water, Coal, Wood, Turn Tables, Scales and Crossovers.	FIRST CLASS.		SECOND CLASS.	
	395		279				STATIONS.				280		396
	Mixed Leave Daily		Passenger Leave Daily				Passenger Arrive Daily				Mixed Arrive Daily		
	7.00am			42		D-R.....ROCKPORT.....RK	53.7	WY				5.30pm	
	7.25			67	5.8	6.8 FABER.....	47.9					4.50	
	7.50			42	10.2	4.4 GRASSMERE.....	43.5	W				4.25	
	8.20			44	15.5	2.3 BIRDSVIEW.....	38.2					3.50	
	9.00			47	20.6	5.1 HAMILTON.....H	33.1					3.20	
	9.25				23.9	3.3 LYMAN.....	39.8	W				2.30	
	9.55			22	29.2	5.3 COKE DALE JUNCTION.....	24.5					1.50	
	10.50			27	32.4	3.2 WOOLLEY.....WL	21.3	YX				1.25	
				8	34.7	2.3 STERLING.....	19.0						
	11.30 <sup>396</sup> 12.45pm		7.30pm	54	37.2	2.5 BURLINGTON.....BO	16.5	WS YX	6.30pm			12.40pm 11.30 <sup>395</sup>	
	1.00		f 7.38	16	40.0	2.8 AVON.....	13.7		f 6.18			11.15	
	1.15		f 7.46	5	42.6	2.6 FREDONIA.....	11.1		f 6.08			11.00	
	1.30		f 7.51	20	44.1	1.5 WHITNEY.....	9.6		f 6.03			10.45	
					46.3	2.2 DRAW BRIDGE.....	7.4						
	2.00		f 8.07		49.6	3.3 FIDALGO.....	4.1		f 5.44			10.15	
	2.15		8.17	20	53.2	3.6 TENTH STREET.....	0.5	TWC	5.33			9.50	
	2.20pm		8.20pm	63	53.7	0.5 ANACORTES.....AC.			5.30pm			9.45am	
	Arrive Daily		Arrive Daily						Leave Daily			Leave Daily	
	395		279						280			396	
	7.20 7.2		.50 20.0			Time Over District. Average Speed Per Hour.			1.0 16.5			7.45 7.0	

EAST BOUND TRAINS ARE SUPERIOR TO WEST BOUND TRAINS OF THE SAME CLASS. (See Rule 43.)

All trains will register at Anacortes Burlington and Rockport.  
No. 280 has right over No. 279.

Water Tank at Minkler's Mill, two miles east of Lyman.  
Yard limit at Burlington 2,500 feet west of transfer switch. All trains must be moved under perfect control expecting to find  
trains occupying main line within these limits.

## CAPACITY OF ENGINES IN ADDITION TO WEIGHT OF ENGINES, TENDERS AND CABOSES.

STATIONS.	Rating Grade.	Class F4-1095-1099 " F5-1100-1109 " F6-1110-1129 " F7-1130-1139 " F8-1140-1199 " F9-1300-1324 " G5- 800- 807				Class G2-700-719 " G3-720-769				Class F1-500-565 " D5-450-476				Class D2-300-359				Class D4-400-426				Class B6-232-238				Class B16-135-138 " B17-145-149 " B18-268-282 " B19-152-181				Class "				
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
		Everett to Skykomish.....	1.0	1200				1000				775				575				715				385										
Skykomish to Cascade Tunnel.....	2.2	600				480				360				276				340				183												200
Cascade Tunnel to Leavenworth.....	Down	1500				1250				900																								
Leavenworth to Cascade Tunnel.....	2.2	600				480				360				275				340				185												200
Seattle to Delta.....	0.5	2100				1750				1350				1050												675								750
Delta to Seattle.....	0.4	2500				2100				1460				1120												780								870
Cascade Tunnel to Lowell.....	Down	1500				1250				900																								
Silvana to Delta.....	0.5	1800				1400				1080				875												600								675
Delta to Silvana.....	0.4	2500				2100				1460				1120												780								870
Bellingham to Silvana.....	0.5	2100				1800				1350				1050												675								750
Silvana to Bellingham.....	0.5	2100				1800				1350				1050												675								750
Bellingham to New Westminster.....	1.1	1080				900				700				515												345								490
New Westminster to Bellingham.....	1.5	800				675				600				485												280								310

WEATHER RATING: 1—When temperature is 25 degrees above zero or over.  
2—Very frosty or wet. 5 to 25 degrees above zero or over.  
3—Five degrees above to 10 below zero.  
4—Ten below zero and colder.

Chief Train Dispatcher may increase or decrease above rating as it may be found necessary.

The following will govern when handling empty cars: With 10 or less empty cars in a train no allowance will be made for wheel friction; with 10 to 20 empty cars in a train, add to actual weight 5 tons for each empty car for wheel friction; with more than 20 empty cars in a train add 6 tons per car for wheel friction.

Average weights of empty cars will be estimated as follows when not marked:

Box Cars, 28 to 30 foot.....	11 1/2 Tons
Box Cars, 33 foot.....	12 Tons
Box Cars, 34 foot.....	13 Tons
Box Cars, 36 foot.....	16 Tons
Box Cars, 40 foot.....	17 Tons
Refrigerators.....	20 Tons
Furniture, 30 to 40 foot.....	17 Tons
Furniture, 40 to 50 foot.....	19 Tons
Caboose, 8-wheel.....	17 Tons
Caboose, 4-wheel.....	10 Tons
Flat Cars, 28 to 30 foot.....	9 Tons
Flat Cars, 33 and 34 foot.....	11 Tons
Flat Cars, 40 foot.....	12 Tons

Coal Cars.....	
Gondola Cars.....	
Oil Tanks.....	
Ballast Cars.....	
Steam Wreckers.....	
Engine Tank, (Empty).....	
Standard Engine and Tank.....	
Small Mogul Engine and Tank.....	
Large Mogul Engine and Tank.....	
Consolidated Engine and Tank.....	
Mail.....	
Baggage.....	
Coaches, 8-wheel.....	
Coaches, 12-wheel.....	
Dining Cars.....	
Sleeping Cars.....	
Ore Cars, Wood, 12; Steel.....	

Yardmasters will at all times make up trains in accordance with the above instructions.

## DERAIL SWITCHES.

Derail Switches must always be set for derail except when in actual use, whether there are any cars on the tracks or not.

Cascade Tunnel east passing track lead, 30 feet from main line.

Wellington, west end passing-track.

Wellington Safety Switch, 70 feet west of station, on main line.

Alvin, 150 feet east of west passing track switch head block.

Index passing track 120 feet from west head block.

Roby, west end passing track.

Richmond Beach, 120 feet west H. B. Industry track.

Monroe Mill Spur, 200 feet from head block.

Sultan Jet., 143 feet from head block.

Derail Brewery Spur, Pacific Ave., 210 feet from head block.

Power House Spur, 105 feet from head block.

Mukilteo Lumber Co., Spur, 144 feet from head block.

Samish Lake, M. P. 85.2, on Spur, 3,635 feet north from head block.

Chuckanut, east end siding.

B. B. & E. Transfer Track east end.

Ferndale, 200 feet from east head block passing track.

NAME AND LOCATION OF SPUR TRACKS—MAIN AND COAST LINES.

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0

4

NAME.	LOCATION.	OPENS.	LENGTH.	CAR CAPACITY.	NAME.	LOCATION.	OPENS.	LENGTH.	CAR CAPACITY.
Woods Spur	2.5 Miles west of Chiwaukum	East		11	Alger Mineral Spur	... Miles east of Alger	East.		9
Skykomish Mill Co.'s Spur	0.3 Miles west of Skykomish	East.		20	Gaudette's Spur	0.0 Miles east of Alger	East.		8
Great Republic Mining Co.	1.5 Miles west of Skykomish	West.		14	Samish Lake Spur	0.1 Miles west of Samish Lake	East.		9
Berlin Spur, Miller River Co.	1.5 Miles west of Skykomish	West.		4	Gowan's Spur	... Miles east Off Samish Spur	West.		5
Grotte Lumber Co.	3.5 Miles west of Grotto	East.	1200 feet	25	Lindley Spur	... Miles east Off Samish Spur	East.		1
G. N. Shingle Co.'s Siding	1.5 Miles west of Grotto	Both ends		24	Sound Shingle Co.'s Spur	2.9 Miles west of Belleville	Both ends		3
Smith Lumber Co.	0.5 Miles east of Index	East.		12	McCoy's Transfer Track	1.2 Miles east of Bow	West.		3
Heybrook Spur	1.5 Miles east of Index	East.		2	Winner Shingle Co.'s Spur	0.2 Miles west of Bow	West.		6
Soderburg Spur	0.7 Miles west of Index	West.		10	Blanchard Spur	1.0 Miles west of Samish	West.		3
Robinson's Spur	0.5 Miles west of Gold Bar	East.		26	Chuckanut Cannery Spur	0.7 Miles east of Chuckanut	West.		8
Black Bros. Spur	0.0 Miles east of Startup	West.		26	Marietta Quarry Spur	1.0 Miles east of Chuckanut	West.		38
Casey's Spur	1.3 Miles east of Sultan	East.		5	Henry Spur	0.9 Miles west of Bellingham	East.		2
Sulzer Lumber Co. Spur	1.5 Miles east of Sultan	West.		—	LaPointe Spur	1.0 Miles east of Brennan	East.		2
Owen's Spur	4.7 Miles east of Monroe	East.		3	Sand Pit Spur	1.0 Miles east of Enterprise	East.		15
Holmquist Spur	1.0 Miles east of Monroe	East.		4	Shield's Spur	0.8 Miles east of Enterprise	East.		2
Monroe Mill Spur	1.0 Miles east of Monroe	East.		9	Enterprise Spur	0.5 Miles east of Enterprise	East.		3
Monroe Gravel Pit	0.0 Miles east of Monroe	West.		56	McDonald Spur	2.5 Miles east of Custer	East.		9
Three Lakes Lumber Co.	3.0 Miles west of Monroe	East.		35	Blaine Shingle Co.'s Spur	1.2 Miles west of Custer	East.		2
Cascade Cedar Spur	0.3 Miles east of Spokane	East.		27	Melrose Spur	2.5 Miles west of Custer	East.		5
Crosco Spur	0.5 Miles east of Lowell	West.		25	Blaine Shingle Co.'s Spur	2.0 Miles east of Blaine	West.		12
House Track	0.0 Miles east of Lowell	East.		25	Blaine Spur	1.9 Miles east of Blaine	East.		2
State Mill Co.	0.5 Miles west of Everett	East.		12	Shelton Spur (off Blaine Spur)		East.		2
Power House Spur	0.1 Miles west of Everett	West.		5	City Dock Spur (off Blaine Spur)		East.		81
G. N. Clay Co. Spur	2.0 Miles west of Metum	West.		10	Erie Mill Spur (off City Dock Spur)		East.		14
E. W. Mills Spur	2.3 Miles east of Richmond Beach	East.		2	Monarch Mill Spur (off City Dock Spur)		East.		14
Brady's Spur	0.0 Miles west of Edmonds	West.		3	Haselmere Spur	3.4 Miles west of Blaine	West.		3
Sand Spur	3.4 Miles east of Edmonds	West.		7	McNair Spur	2.0 Miles west of Cloverdale	East.		5
Mukilteo Lumber Co.	2.1 Miles east of Mukilteo	West.		10	Brownville Spur	2.1 Miles east of Liverpool	East.		9
McNesley No. 2	0.5 Miles west of Everett Jct.	East.		9	House Track	0.1 Miles west of Anacortes	West.		4
Weyerhaeuser Timber Co.	1.0 Miles east of Everett Jct.	East.		38	Repair Track	0.2 Miles west of Tenth Street	West.		15
Nail House Spur	1.0 Miles west of Everett Jct.	West.		24	Store Track	0.2 Miles west of Tenth Street	West.		7
Nickerson Machinery Co.	0.0 Miles west of Everett	East.		15	Skagit Mill Spur	0.7 Miles west of Tenth Street	West.		28
Everett Milling Co.	1.5 Miles west of Everett Jct.	West.		31	Storm Mill Spur	0.9 Miles west of Tenth Street	West.		12
Clark-Nickerson Mill	1.8 Miles west of Everett Jct.	East.		21	E. S. Cook Spur	0.8 Miles west of Tenth Street	East.		4
Log Dump Spur	1.8 Miles west of Everett Jct.	West.		7	Cavanaugh Spur	1.4 Miles west of Tenth Street	East.		4
Wheeler Spur	1.9 Miles east of Everett Jct.	West.		50	Skagit Mig. Spur	1.7 Miles west of Tenth Street	West.		6
Neff's Spur	1.0 Miles west of Long Siding	East.		7	Log Rollway	1.9 Miles west of Tenth Street	Both ends		22
Blackman Spur	0.4 Miles east of Long Siding	East.		6	Fidalgo Mill Spur	2.0 Miles west of Tenth Street	East.		3
Union Slough	1.5 Miles east of Marysville	West.		2	Gravel Pit Spur	5.9 Miles west of Tenth Street	East.		6
Kruse Bros. Spur	1.4 Miles west of Marysville	West.		2	Fox Lumber Co. Spur	0.5 Miles east of Fredonia	West.		6
Cox's Spur	2.0 Miles west of Marysville	East.		2	Hawkin's Spur	0.7 Miles west of Fredonia	West.		5
Zindori Spur	3.9 Miles west of Marysville	East.		6	J. C. Waugh Spur	0.3 Miles east of Avon	East.		2
Kennedy Spur	4.2 Miles west of Marysville	East.		2	Burlington Mill Spur	0.6 Miles east of Burlington	East.		6
British Spur	4.4 Miles east of Silvana	East.		2	Holbrook's Spur	0.4 Miles east of Woolley	East.		8
Summit Mill Co.	4.7 Miles west of Marysville	East.		16	Sound Iron Spur		East.		7
English Spur	2.9 Miles east of Silvana	East.		2	Tyee Spur	1.4 Miles west of Woolley	Both ends		22
Norman Spur	1.1 Miles west of Silvana	West.		2	Green Mill Spur	3.3 Miles west of Woolley	East.		22
Rabel's Spur	1.8 Miles west of Silvana	East.		3	Minkler's Mill	3.0 Miles west of Cokedale Jet	Both ends		13
Washington Shingle Co.	1.1 Miles east	East.		3	Child's Spur	3.6 Miles west of Cokedale Jet	East.		3
Manley & Church Spur	1.4 Miles east of Stanwood	East.		2	Hitchcock-Kelly	... Miles west of Lyman	East.		3
Hal's Spur	1.5 Miles east of Stanwood	West.		2	Hop Ranch Spur	0.8 Miles west of Lyman	East.		3
Ketchum Spur	2.0 Miles west of Stanwood	East.		8	L. L. Spur	0.2 Miles east of Hamilton	East.		19
Morrison Mill Spur	2.5 Miles east of Fir	East.		6	Hightower No. 2	1.8 Miles east of Birdsview	East.		9
Milltown	2.2 Miles east of Fir	East.		2	Wiley Spur	1.9 Miles west of Grassmere	East.		9
Hawley Spur	2.0 Miles east of Fir	East.		2	Van Horne's Spur	0.5 Miles east of Faber	West.		16
Skaigt Crossing Tr. Track	1.0 Miles east of Fir	East.		3	Tower Mill Co.	0.3 Miles east of Faber	West.		19
Little Mountain Spur	2.0 Miles east of Mt. Vernon	East.		3	Hightower No. 3	1.0 Miles east of Faber	West.		15
Skagit Spur	2.0 Miles west of Mt. Vernon	East.		11	Sauk Spur	2.0 Miles east of Rockport	East.		2
Burlington Quarry	0.5 Miles west of Burlington	East.		2					
Butler Spur	0.1 Miles west of Belleville	East.		10					
Bellart Mig. Co.	0.5 Miles east of Bellart	East.		52					
Samish Pit Spur	0.6 Miles east of Bellart	East.		6					
Burlington Mill Spur	0.1 Miles east of Bellart	East.		3					
Desmond Spur	1.4 Miles east of Alger	West.							

## SPECIAL RULES.

1. Bulletin Boards are located at Leavenworth, Cascade Tunnel, Skykomish, Delta, Interbay, Seattle, Burlington, Bellingham, Anacortes and Rockport.
2. Trains will date from time due to leave terminals. Leavenworth and Seattle will be considered terminals for passenger trains; Leavenworth, Everett Junction, Interbay and Lowell for freight trains.
3. All trains will reduce speed to eight miles per hour through Martin Creek tunnel and over bridges at each end.
4. Passenger trains descending the two and two-tenths per cent grade between Leavenworth and Skykomish must not exceed thirty-five miles per hour and west bound trains should not exceed schedule time through Cascade Tunnel. Passenger trains between Everett and Seattle must not exceed time card schedule.
5. Additional to other required tests of the air brake, no train will leave Cascade Tunnel until the air brakes have been carefully tested. Engineer will set the brakes and leave them set until trainmen examine each car, then release them, and trainmen will again examine each car and see that brakes release before giving the signal to start the train. Conductors must inform engineers how many cars loaded and empty in the train, and how many cars of "air" are working.
6. All retainers must be used from Cascade Tunnel to Merritt, and from Chiwaukum to Leavenworth, and from Cascade Tunnel to Skykomish.
7. Trains are operated between a block post, 125 feet west of the east crossover switch Cascade Tunnel and the east switch of the passing track at Wellington, by a train staff block system. No train or engine will be run in either direction between the limits mentioned unless train engineer and the engineer of helper engine each has in their possession a section of a staff, which will be handed to them by operators and will be retained by them until entire train has cleared block, then sections of staff must be handed to operator. When no helper engine is used, a conductor or brakeman located on rear of train must be in possession of one-half of the staff.
8. Only one train is permitted to enter or use the block at the same time.
9. Seattle yard limit extends to the yard-limit board east of Ballard. All trains except regular passenger trains will run under control between this yard-limit board and Seattle, expecting to find main track occupied.
10. West-bound trains will not exceed schedule time between Halford and the east mile-board at Gold Bar.
11. All except first class trains must be under absolute control while passing through yard limits Leavenworth Skykomish, Lowell, Pacific Avenue, Delta, Burlington, Harris Avenue and Bellingham.
12. Semaphores are located 1200 feet west of west switch Edmonds, 1200 feet east of east switch Madison, 1200 feet west of west switch at Chiwaukum, 1200 feet east of switch Holmquist spur, half mile east of Monroe.
13. SEMAPHORES for protection of draw on Fraser River bridge between Liverpool and New Westminster are located on the east and west end of bridge.
14. Horizontal position of the semaphore blades by day and yellow light shown by night indicates that switches with which the distant signals are connected are open and approaching trains should immediately be brought under control.
15. Diagonal position of the blades and green lights displayed at night indicate that switches with which the distant signals are connected are properly set and train should proceed as per rule
16. Under no circumstances must distant signals be used as flags by trains standing between switches, nor will their use modify in any way the existing rule in regard to the protection of trains standing at stations.
17. Cars must not be set out on passing tracks without an order from the Superintendent.
18. Empty flats and gondolas must be hauled in trains behind all loaded and empty box, stock and refrigerator cars and when helper engine used they must be put behind it and ahead of caboose.
19. Outfit cars must be placed next to caboose. When helper engine used they must be put behind it and ahead of caboose.
20. West yard-limit board Bellingham is located 400 feet west of round house track switch.
21. Delta yard limit commences 500 feet east of junction switch, east of coal chute, and extends to west end of draw bridge 11 on Coast line and around the point on Bayside (old Coast line) to Everett Junction yard-limit board. Between the hours of seven (7) p. m. and seven (7) a. m., the yard-limit rules are suspended between Everett Junction and Delta yard and all trains will be operated by train orders over this district (going towards Seattle is west-bound.)
22. All trains will reduce speed to 8 miles per hour passing through town limits of Mt. Vernon and Edmonds.
23. All trains will reduce speed to 10 miles per hour passing through town limits of Burlington.
24. All trains will reduce speed to 10 miles per hour over Fraser River Bridge.
25. Switch at Everett Junction will be kept set for main line.
26. Standard clocks are located in telegraph offices at Leavenworth, Skykomish, Vancouver, Interbay, Delta and Bellingham.
27. All trains must register their arrival and departure at Pacific Avenue, N. P. Junction, Delta, Burlington, Belleville, Bellingham, Blaine, Cloverdale and New Westminster, stating whether or not they are carrying signals. No train will be considered registered unless such notation is made and in case of omission conductors of trains affected will govern themselves accordingly and report the fact to the Superintendent.
28. No trains in either direction will cross International Boundary at Blaine without permission of Customs officers.
29. All trains must stop at drawbridges and railroad crossings at a distance not exceeding 200 feet from same.
30. Conductors of trains hauling logs must stop on all summits and see that brakes are properly set before descending grade.
31. Freight trains will not carry passengers.
32. NEW WESTMINSTER INTERLOCKING SYSTEM.—Signal tower is located 3,094 feet west of west end of Fraser River bridge opposite crossing of the C. P. Ry. This apparatus controls the crossing of the C. P. Ry., also switches leading to and from the Fraser River Bridge tracks and New Westminster. Distant Semaphores are located 1,200 feet east and west and Home Signals are 500 feet east and west of tower, respectively.

Reference Marks: S—regular stop; F—stop on signal; D—day telegraph office; N—night telegraph office; W—water; C—coal; O—scales; T—turntable; Y—wye; R—registering station.

## COMPANY'S SURGEONS.

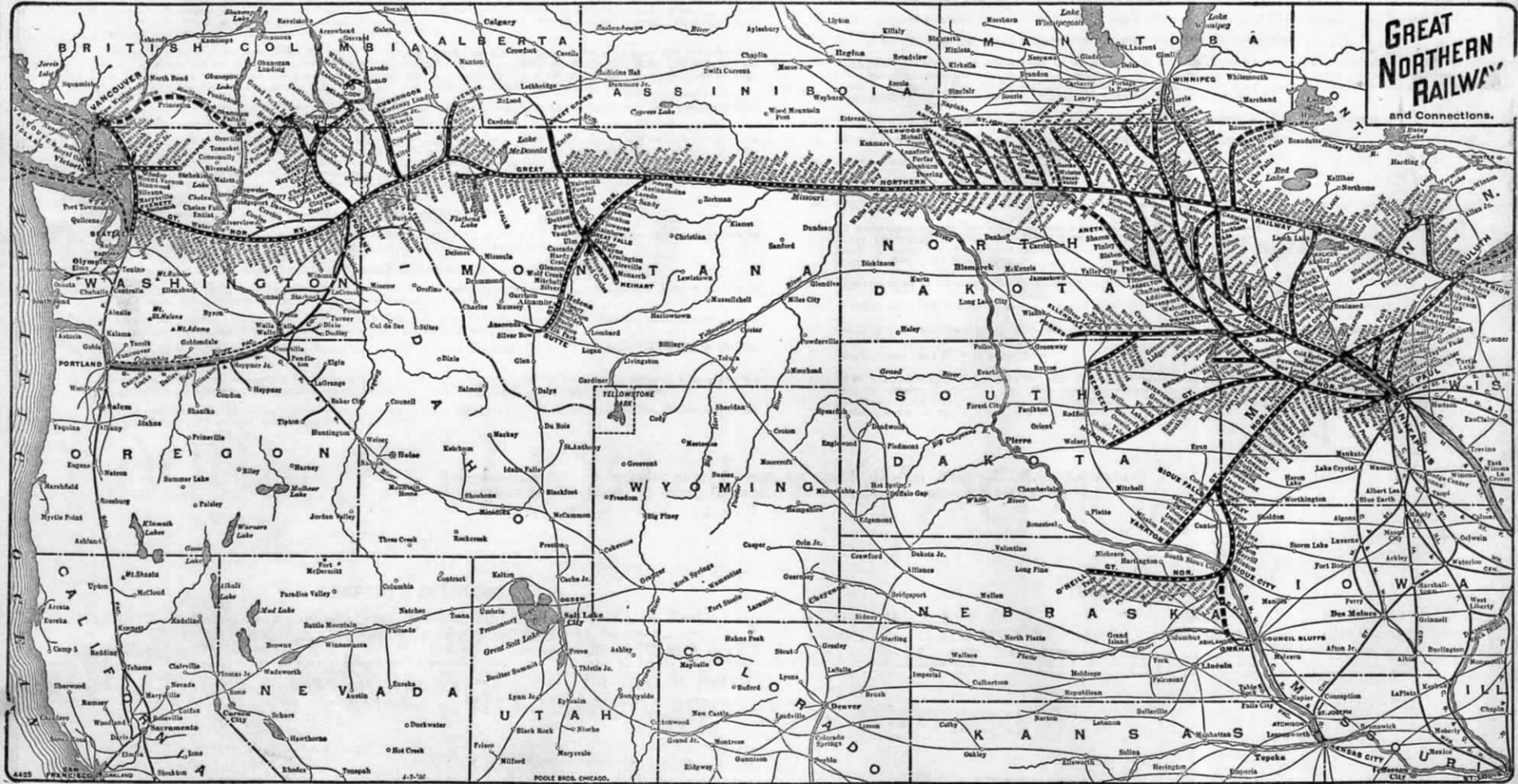
Dr. J. A. Quinn, Chief Surgeon, Ernst Building, Cor 5th and Wabasha, St. Paul.	
Dr. J. W. Chamberlin, Ophthalmic Surgeon, Lowry Building, St. Paul.	
Leavenworth.....G. W. HOXSIE.	Everett.....DR. W. C. COX.
Seattle.....DR. J. B. EAGLESON.	Bellingham.....DR. H. A. COMPTON.
Seattle.....DR. E. W. PERRY, Oculist.	Anacortes.....DR. GEO. B. SMITH.

## TIME INSPECTORS.

Leavenworth.....E. A. KING.	Everett.....SWALLWELL & CO.
Seattle.....J. F. HUNTER.	Bellingham.....BEVINS & SONS.
	Anacortes.....H. L. DODGE.

J. C. DEVERY, Chief Dispatcher.  
B. B. GREER, Assistant Superintendent.





**GREAT  
NORTHERN  
RAILWAY**  
and Connections.

4425  
SAN FRANCISCO

POOLE BROS. CHICAGO.

