



SPOKANE DIVISION

TIME TABLE No. 28.

**EFFECTIVE 12:01 A. M.
PACIFIC TIME**

SUNDAY, AUGUST 17, 1930.

J. M. DOYLE, Superintendent.

**W. R. SMITH, General Superintendent.
J. B. SMITH, General Superintendent Transportation.**

J. H. O'NEILL, General Manager.

EASTWARD

See Special Rules on Page 3.

4 SOUTHWARD. FOURTH SUBDIVISION—DEAN AND MARCUS. NORTHWARD.

THIRD CLASS 701	FIRST CLASS 255	Car Capacity	Stations	Distance from Marcus	Time Table No. 28 Effective August 17, 1938.	Telegraph Code	Distance from Dean	SIGNS	FIRST CLASS 256	THIRD CLASS 702
Local Freight Daily Ex. Sunday	Motor Daily Ex. Sunday	Side Other	Stations	Distance from Marcus	STATIONS	Telegraph Code	Distance from Dean		Motor Daily Ex. Sunday	Local Freight Daily Ex. Sunday
5:05pm	1:00pm	40	HA 87	0.00	MARCUS	MS	87.12	RK DN WC YX	12:20pm	4:10pm
5:40	1:30	30	HA 82	5.30	MEYER'S FALLS	MF	81.82	D	12:06pm	3:40
6:00	1:30	0	HA 77	10.80	PALMERS		76.32		11:52	3:15
6:30	1:41	0	HA 73	12.85	COLVILLE	VD	72.37	D W	11:44	2:55
6:50	1:49	0	HA 71	17.65	ORIN		69.47		11:32	2:30
7:10	1:55	40	HA 67	20.35	ARDEN		66.77		11:26	1:55
8:10	2:10	0	HA 59	27.74	ADDY	AD	59.38	D W	11:12	1:15
9:30	2:30	28	HA 50	36.95	CHEWELAH	CH	50.17	D X	10:53	12:40pm
10:39	2:45	40	HA 43	44.03	VALLEY	VY	42.60	D CY X	10:39	11:55
11:30	2:58	0	HA 38	49.76	GRAVS		37.36		10:26	11:30
11:50	3:09	0	HA 34	53.19	CLINE		33.93		10:17	11:08
12:10pm	3:14	39	HA 33	54.48	SPRINGDALE	RY	33.66	D W	10:15	10:45
1:10	3:36	40	HA 25	62.57	LOON LAKE		24.55		9:56	9:56
1:35	3:50	0	HA 18	69.37	CLAYTON	CN	17.75	D	9:39	8:50
1:40	3:53	0	HA 17	70.28	CHRISTIANSON		16.86		9:36	8:20
2:00	4:03	50	HA 13	74.54	DEER PARK	DE	13.48	D W	9:28	7:50
2:15	4:11	0	HA 9	78.23	DENISON		8.89		9:18	6:35
2:35	4:22	40	HA 4	83.35	WAYSIDE		3.77		9:07	6:00
2:55pm	4:35pm	40	HA 0	87.12	DEAN	DF	0.0	R DN W X	9:00pm	5:40pm
9:50 8:50	3:35 2:31				Time Over Subdivision Average Speed Per Hour				3:20 25.13	10:30 8:29

Special Rules.

Southward trains are superior to northward trains of the same class.

Trains 255 and 256 will stop on flag at Blue Creek, Buckeye, Holland Horr Spur, Kulsers and Mission. Mission is 1.4 miles south of Meyers Falls.

The normal position of Junction switch at Marcus is for Fifth Subdivision.

Northward trains will stop and make service test of air brakes at Meyers Falls before descending Marcus Hill.

Water at Kulsers spur, 1.8 miles south of Valley.

SOUTHWARD. FIFTH SUBDIVISION—MARCUS AND NELSON. NORTHWARD.

THIRD CLASS 703	FIRST CLASS 259	Car Capacity	Stations	Distance from Nelson	Time Table No. 28 Effective August 17, 1938.	Telegraph Code	Distance from Marcus	SIGNS	FIRST CLASS 260	THIRD CLASS 704
Local Freight Tue., Thur. and Sat.	Motor Daily Ex. Sunday	Side Other	Stations	Distance from Nelson	STATIONS	Telegraph Code	Distance from Marcus		Motor Daily Ex. Sunday	Local Freight Mon., Wed. and Fri.
6:00pm			HA 186	0.00	NELSON	NC	99.01	R DNWC O P		4:00pm
TRAINS BETWEEN TROUP JCT. AND NELSON BE GOVERNED BY C. P. RY. TIME TABLE AND RULES										
6:30		0	HA 181	5.45	TROUP JUNCTION		93.56	R YP		3:30
7:00	8:00pm	27	HA 176	10.26	SOUTH NELSON		88.75	W	6:05pm	3:05
7:45	8:20	0	HA 169	17.05	APRX		81.96		4:45	2:30
8:00	8:30	0	HA 166	20.38	HALL		78.63		4:35	2:05
8:25	8:50	0	HA 159	27.50	YMIR		71.51	W	4:17	1:20
8:42	9:01	0		31.85	BOULDER HILL		67.15		4:05	12:55
8:55	9:10	0	HA 152	35.15	SALMO	SO	58.85	D	3:57	12:40
9:17	9:17	0	HA 148	37.87	ERIE		51.14		3:47	12:20
9:30	9:24	0	HA 145	40.74	MEADOWS		58.27		3:40	12:08pm
9:55	9:41	0	HA 136	50.43	FRUITVALE		48.59		3:20	11:35
10:15	9:54	0	HA 120	55.74	COLUMBIA GARDENS		48.27		3:05	10:55
10:50	10:06	0	HA 127	59.87	WANETA, B. C.	WB	39.44	D	2:55	10:30
11:00	10:12	0	HA 126	61.68	BOUNDARY, U. S.		37.33		2:40	10:12
11:30	10:34	0	HA 118	68.45	HANLEYS		30.56		2:23	9:40
12:10pm	10:50	60	HA 116	70.48	NORTHPORT	NP	28.53	RK D WC YX	2:15	9:30pm
	11:08	0	HA 107	78.78	MARBLE		20.25		1:53	
	11:33	0	HA 96	90.23	BOSSBURG		8.78		1:28	
	11:55pm	40	HA 87	99.01	MARCUS	MR	0.00	RK DNWC YX	1:05pm	
6:10 11:45	3:55 22:55				Time Over Sub-Division Average Speed Per Hour				4:00 22.18	6:30 10:55

Special Rules.

Southward trains are superior to northward trains of the same class.

Trains 259 and 260 will stop on flag at Evans, Lane and Bronsons Spur, Kane, Wood Spur, Parks, Benton, Baskins and Geverts Spur, Porto Rico, Mankins Spur, Wileys Spur and Marble Timber Co's Plant.

Northward trains will stop and make service test of air brakes at Apex before descending Nelson Hill.

Trains must come to a stop before reaching Troup Junction switch and must know track is clear before using Canadian Pacific Main Track.

Trains will not leave Border Stations until conductor has reported to and received clearance from Customs Officer.

Water four miles south of Marble and three miles south of Fruitvale.

BUSINESS TRACKS NOT SHOWN AS STATIONS ON TIME TABLE.

NAME	LOCATION	OPENS	CAPACITY
FIRST SUBDIVISION:			
Adrian Pt.	0.8 mile East of Adrian	East end	75 cars
Stratford Spur	1.3 miles West of Stratford	East end	14 cars
Sand Spur	1.6 miles West of Trinidad	West end	16 cars
Clapp Spur	1.9 miles West of Trinidad	West end	4 cars
Gravel Spur	2.9 miles West of Trinidad	West end	8 cars
Rock Island Dam	1.1 miles East of Rock Island	Both ends	200 cars
Ohio Colony	1.2 miles East of Rock Island	East end	8 cars
Laudreth Spur	4.4 miles East of Wenatchee	West end	10 cars
THIRD SUBDIVISION:			
Peterson Spur	2.0 miles South of Ellsford	North end	1 car
FOURTH SUBDIVISION:			
Deer Park Lbr. Co. Spur	0.7 mile North of Deer Park	South end	3 cars
Oleas Spur	2.6 miles North of Deer Park	South end	6 cars
Holland-Hor Spur	4.7 miles North of Leon Lake	South end	3 cars
Kulzers Spur	1.7 miles South of Valley	North end	8 cars
Gess Spur	2.8 miles North of Valley	South end	3 cars
Northwest Magnesia	1.5 miles South of Chewelah	Both ends	66 cars
Elkhorn Spur	3.1 miles South of Addy	South end	3 cars
Blue Creek Spur	3.1 miles South of Addy	South end	12 cars
Industrial Spur M. P. 63 (Lawwell)	3.2 miles North of Palmers	South end	3 cars
FIFTH SUBDIVISION:			
Sand Spur	2.1 miles North of Marcus	South end	2 cars
Powellsiding	4.8 miles North of Marcus	Both ends	29 cars
Eynas Spur	5.4 miles North of Marcus	South end	24 cars
Allen Spur	2.6 miles North of Bossburg	South end	3 cars
Hendrix Cut	3.8 miles North of Bossburg	North end	3 cars
Lane & Brown's	6.6 miles North of Bossburg	South end	3 cars
Marble Timber Co. Spur	2.8 miles South of Marble	South end	2 cars
Kanes	4.1 miles South of Northport	South end	5 cars
Cameron Spur	4.4 miles South of Northport	North end	13 cars
Hudson's Spur	3.3 miles South of Northport	South end	12 cars
Good-Hopkins Lbr. Co. Spur	4.9 miles North of Northport	South end	3 cars
Industrial Spur No. 134	2.3 miles North of Hanley's	South end	20 cars
Stroh Spur	3.3 miles North of Hanley's	South end	3 cars
Nelsons Spur	2.4 miles North of Fruitvale	North end	2 cars
Salmo Cedar Co.	4.8 miles North of Fruitvale	Both ends	7 cars
Munroe Bros. Spur	6.4 miles North of Fruitvale	South end	6 cars
Benton Pole & Lbr. Co. Spur	2.0 miles South of Meadows	South end	6 cars
Reiter's Spur	3.6 miles North of Salmo	South end	9 cars
Archibald	1.0 mile South of Erie	Both ends	11 cars
Rackins & Gevartz Spur	1.9 miles South of Ymir	North end	11 cars
Swanons Spur	1.3 miles South of Ymir	North end	4 cars
Porto Rico	3.6 miles North of Ymir	Both ends	2 cars
SIXTH SUBDIVISION:			
Holston Spur	1.8 miles West of Marcus	East end	2 cars
Hedlund Box & Lbr. Co.	2.1 miles West of Marcus	East end	Private
Rock Cut	0.7 mile East of Hughes	West end	5 cars
Helphrey's Spur No. 1	1.9 miles West of Curlew	East end	3 cars
California Spur	2.2 miles East of Republic	West end	7 cars
SEVENTH SUBDIVISION:			
Helphrey's Spur No. 2	2.8 miles West of Curlew	East end	2 cars
Robert's Spur	6.2 miles West of Midway	East end	1 car
Mynester Spur	0.4 mile East of Mynester	West end	55 cars
Dumonts Spur	3.9 miles East of Bridesville	East end	3 cars
Stewart-Calvert Spur No. 1	1.4 miles West of Oroville	East end	5 cars
Stewart-Calvert Spur No. 2	1.4 miles West of Oroville	East end	3 cars
Reeders Spur	0.5 mile West of Nighthawk	East end	6 cars
Ruby Mine Spur	4.9 miles East of Chopaka	West end	4 cars
Princeton M. & Dev. Co.	2.1 miles West of Norman	East end	9 cars

THEORETICAL FIRST CLASS LOCOMOTIVE TONNAGE RATINGS.
BASED ON TRAINS AVERAGING 50 TONS PER CAR.

CLASS	R-2	R-1		Q-2		Q-1	N-2	O-7	O-6	O-5	O-4	O-3 and O-1	Add For Booster
LOCOMOTIVE		2034-2043	2030-2033	30x32	29x32								
Ruling Grade	RATING												
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
0.2%	15540	14470	13550	9090	8440	9740	11200	8000	7530	5600	7220	6710	1300
0.3%	12200	11350	10620	7120	6600	7640	8760	6250	5900	4380	5660	5260	1000
0.4%	10000	9310	8710	5840	5410	6270	7180	5110	4820	3600	4630	4310	850
0.5%	8460	7870	7350	4930	4560	5300	6060	4310	4080	3030	3910	3640	750
0.6%	7310	6800	6340	4250	3930	4560	5230	3710	3510	2610	3370	3140	650
0.65%	6840	6360	5930	3970	3670	4260	4890	3470	3280	2440	3150	2940	600
0.7%	6420	5970	5570	3730	3450	4000	4590	3250	3080	2280	2960	2760	550
0.8%	5720	5310	4950	3310	3060	3550	4080	2880	2730	2030	2620	2450	500
1.0%	4660	4320	4020	2700	2490	2900	3320	2340	2220	1640	2130	2000	400
1.1%	4270	3940	3670	2450	2250	2640	3030	2130	2020	1500	1940	1820	400
1.8%	2570	2370	2200	1460	1330	1580	1810	1250	1200	880	1150	1080	250
2.0%	2200	2110	1950	1200	1100	1400	1610	1110	1060	780	1020	960	200
2.2%	2060	1900	1740	1100	1050	1200	1440	1000	940	700	910	860	200

Above are ratings for districts with long continuous grades. For districts with short pieces of maximum grade ratings should be increased 10%.

Make 10% reduction, when temperature 5° to 25° above.

" 20% " " " 5° above to 10° below.

" 30% " " " 10° below or colder.

MAXIMUM SPEED.

BETWEEN

Passenger

Freight

Lyons and Fort Wright	45 miles per hour.	25 miles per hour.
Grater and Vulcan	35 miles per hour.	25 miles per hour.
Columbia River and Mansfield	20 miles per hour.	20 miles per hour.
Columbia River and Douglas on curves	15 miles per hour.	15 miles per hour.
Wenatchee and Oroville	35 miles per hour.	30 miles per hour.
Dean and Valley	35 miles per hour.	30 miles per hour.
Valley and Meyers Falls	40 miles per hour.	30 miles per hour.
Meyers Falls and Marcus	25 miles per hour.	20 miles per hour.
Marcus and Troup Jet	30 miles per hour.	20 miles per hour.
Over Pend O'Reille River Bridge at Waneta	10 miles per hour.	10 miles per hour.
Over Columbia River Bridge No. 1 Marcus	10 miles per hour.	10 miles per hour.
Marcus and Republic	30 miles per hour.	20 miles per hour.
Curlew and Princeton	25 miles per hour.	25 miles per hour.
Passing high bluff one mile west of Bridesville	15 miles per hour.	15 miles per hour.
From one mile east to two miles west of Bergen	15 miles per hour.	15 miles per hour.
Between Quincy and Crater	S-2 Engines	50 miles per hour.
Between Vulcan and Columbia River	S-2 Engines	50 miles per hour.
Over Bridge 270 and 273, Spokane	Q-1, R-1 and S-1 Engines	10 miles per hour.
Over Bridge 274, Fort Wright	Q-1, R-1 and S-1 Engines	15 miles per hour.
Between Dean and Meyers Falls	Q-1 Engines	25 miles per hour.
Between Hilliard and Appleyard	Q-1 Engines	30 miles per hour.

COMPANY SURGEONS.

Dr. Roscoe C. Webb	Chief Surgeon	Office phone Main 7508, House Colfax 0409, 1849 Medical Arts Building 9th St. and Nicollet Ave., Minneapolis, Minn.
Dr. H. M. N. Wynne	Assistant Chief Surgeon	Minneapolis, Minn.
Dr. J. G. Cunningham	Assistant Chief Surgeon	Spokane, Wash.
Dr. H. E. Wheeler	Assistant Division Surgeon	Spokane, Wash.
Dr. A. E. Gerhart	Assistant Division Surgeon	Wenatchee, Wash.
Dr. I. M. Maros	Surgeon	Wenatchee, Wash.
Dr. H. F. Craig	Assistant Division Surgeon	Spokane, Wash.
Dr. A. N. Cold	Ophthalmic Surgeon	Spokane, Wash.
Dr. Carroll Smith	Ophthalmic Surgeon	Spokane, Wash.

LOCAL SURGEONS.

Dr. C. R. McKinley	Brewster.
Dr. R. S. Wells	Colville.
Dr. C. M. Kingston	Grand Forks.
Dr. L. F. Wagner	Harrington.
Dr. J. Farrow	Hillyard.
Dr. W. O. Rose	Nelson.
Dr. E. E. Efner	Oroville.

A. KASE, Chief Dispatcher.

J. JAMES, Trainmaster.

W. CARSWELL, Trainmaster.

B. LANTRY, Asst. Supt.