



COMPANY SURGEONS

- *Dr. Roscoe C. Webb, Chief Surg. Minneapolis, Minn.
 *Dr. Ernest R. Anderson, Asst. Chief Surg.
 Minneapolis, Minn.
 Dr. D. S. MacKenzie, Sr. Havre, Montana
 *Dr. Chas. Houtz Havre, Montana
 *Dr. D. S. MacKenzie, Jr. Havre, Montana
 Dr. R. F. Miller Chester, Montana
 *Dr. L. J. Salan Shelby, Montana
 Dr. S. D. Whetstone Cut Bank, Montana
 Dr. T. B. Moore Kalispell, Montana
 Dr. A. T. Lees Whitefish, Montana
 *Dr. J. B. Simons Whitefish, Montana
 Dr. W. C. Kinser Troy, Montana
 *Dr. R. M. Bowell Bonners Ferry, Idaho
 Dr. Wm. F. Tyler Sandpoint, Idaho
 Dr. Leslie J. Stauffer Priest River, Idaho
 Dr. H. G. Lawson Newport, Washington
 Dr. R. W. Zellmer Hillyard, Washington
 *Dr. H. E. Wheeler Spokane, Washington
 *Dr. E. B. Coulter Spokane, Washington
 Dr. L. A. Parsell Spokane, Washington
 *Designates also Examining Surgeon.

OPHTHALMIC SURGEONS (Eye Doctors)

- Dr. H. D. Huggins Kalispell, Montana
 Dr. W. L. Forster Havre, Montana
 Dr. Phillip B. Greene Spokane, Washington

R. L. GRINDE, Chief Dispatcher.
 O. E. FISHER, Trainmaster.
 F. H. MOORE, Trainmaster.
 P. A. FREUEN, Trainmaster.
 A. L. EVANS, Ass't Trainmaster.

GREAT NORTHERN RAILWAY COMPANY

KALISPELL DIVISION

TIME TABLE 73

EFFECTIVE 12:01 A. M.
 MOUNTAIN TIME
 AND
PACIFIC TIME

Sunday, June 22, 1952

MOUNTAIN TIME GOVERNS FIRST, SECOND,
 THIRD, FIFTH, SEVENTH AND EIGHTH
 SUBDIVISIONS.

**PACIFIC TIME GOVERNS FOURTH AND
 SIXTH SUBDIVISIONS.**

H. M. SHAPLEIGH, Superintendent.
 T. A. JERROW, General Manager.
 A. W. CAMPBELL, General Superintendent Transportation.

RECEIVED
 JUN 19 1952
 WASH. PUB. SERV. COMM.

2 WESTWARD

FIRST SUBDIVISION

Station Numbers	Car Capacity		THIRD CLASS		FIRST CLASS			Distances from Havre	Time Table No. 73		Telegraph Calls	
	Stops	Other Trains	657	681		1	3		27	Effective June 22, 1952		Mountain Time
			Mon., Wed. Fri.	Daily Ex. Sunday		Streamliner			Daily			
Yard	2011	L	6.15Am				L 12.10Pm	L 3.40Am	Double Track	HAVRE	HX	
TRAINS BETWEEN PACIFIC JCT. AND HAVRE BE GOVERNED BY BUTTE DIVISION TIME TABLE.												
961		29	L 6.30Am				L 12.18Pm	L 3.47Am	4.08	Double Track } 4.08	PACIFIC JUNCTION	
967	180	7	6.45				12.24	3.54	9.97		BURNHAM	
971	61	14	7.00				12.30	4.00	14.89		FRESNO	
978	180	44	7.20				12.35	4.07	19.86		KREMLIN	
986	129	88	7.55				12.45	4.24	29.47		GILDFORD	
992	61	80	8.15				12.51	4.35	35.40		HINGHAM	
998	142	85	8.35				12.57	4.46	41.87		RUDYARD	
1004	126	29	8.55				1.03	4.57	47.61		INVERNESS	
1008		32	9.05				1.07	5.03	51.48		JOPLIN	
1018	E99 W125 E89		9.20				1.10	5.07	54.42		BUELOW	
1018	W60	89	9.50				1.18	5.20	61.89		CHESTER	
1024	140	14	10.05				1.24	5.28	67.06		TIBER	
1031	129	20	10.30				1.33	5.39	74.69		LOTHAIR	
1037	60	42	10.56				1.40	5.48	80.88		GALATA	
1048	141	24	11.30				1.47	5.57	86.80		DEVON	
1082	145 E118	70	11.50Am				1.57	6.11	95.84		DUNKIRK	
1061	W241	448	12.35Pm	L 7.30Am			2.10	L 11.05Am	104.67		SHELBY	
1068			12.40	A 7.40Am			2.13	11.08	106.16		SWEET GRASS LINE JCT.	
1074	W122	31	1.10				2.27	11.20	117.70		ETHRIDGE	
1082			1.35				2.37	11.29	125.46		BALTIC	
1087	180	186	1.55				2.43	11.40	128.66		CUT BANK	
1098		8	2.15				2.52	11.49	134.97		GUNSIGHT	
1098		30	2.30				2.56	11.53Am	138.65		SUNDANCE	
1100	W89	7	3.01				3.01	12.01Pm	143.79		FORT PIEGAN	
1106		7	3.25				3.07	12.07	149.22		MERIWETHER	
1112	Yard	630	A 3.45Pm				A 3.15Pm	A 12.15Pm	155.19		BLACKFOOT	
			9.15 16.34				2.57 51.24	1.10 43.30	3.58 38.10		Time Over Subdivision Average Speed Per Hour	

Westward trains are superior to eastward trains of the same class, except as follows:
 No. 1 is superior to all trains; No. 2 is superior to all trains except No. 1.
 Conditional stops—
 No. 1 Chester and Cut Bank to discharge revenue passengers from Williston and east, and to pick up passengers for Spokane and west where No. 1 is scheduled to stop.
 SEE ADDITIONAL SPECIAL INSTRUCTIONS PAGES 12 THROUGH 21.

FIRST SUBDIVISION

EASTWARD 3

Time Table No. 73

Effective June 22, 1952
Mountain Time

STATIONS

Distance from
Blackfoot

FIRST CLASS

SECOND CLASS

THIRD CLASS

SIGNS

2
Streamliner

4

28

460

472

486

658

682

Daily

Daily

Daily

Daily

Daily

Daily

Tue., Thur.
and Sat.

Daily
Ex. Sunday

Double Track } HAVRE.....	155.19	A 12.30Pm	A 12.05Am	A 8.00Am	A 4.40Pm	A 11.30Pm	A 3.45Pm	BPRKD NWCOX
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TRAINS BETWEEN PACIFIC JCT. AND HAVRE BE GOVERNED BY BUTTE DIVISION TIME TABLE.

Double Track } STATIONS	Distance from Blackfoot	FIRST CLASS			SECOND CLASS			THIRD CLASS		SIGNS
		2 Streamliner	4	28	460	472	486	658	682	
PACIFIC JUNCTION.....	151.16	A 12.12Pm	.....	A f 11.55Pm	.....	A 7.45Am	A 4.25Pm	A 11.15Pm	A 3.30Pm	JIPY
BURNHAM.....	145.22	12.06	.....	f 11.47	.....	7.35	4.11	11.06	3.15	P
FRESNO.....	140.57	12.01Pm	.....	f 11.40	.....	7.28	4.01	10.58	2.55	P
KREMLIN.....	135.83	11.56Am	.....	f 11.34	.....	7.20	3.51	10.51	2.40	DNP
GILDFORD.....	125.72	11.46	.....	f 11.20	.....	7.01	3.33	10.34	2.10	DP
HINGHAM.....	119.79	11.40	.....	f 11.09	.....	6.51	3.23	10.24	1.50	DP
RUDYARD.....	113.82	11.35	.....	f 10.57	.....	6.41	3.13	10.15	1.25	DP
INVERNESS.....	107.58	11.29	.....	f 10.46	.....	6.31	3.03	10.05	1.03	DNP
JOPLIN.....	103.74	11.25	.....	f 10.35	.....	6.25	2.57	9.55	12.30	DP
BUELOW.....	100.77	11.22	.....	f 10.29	.....	6.20	2.52	9.50	12.10Pm	P
CHESTER.....	98.07	11.15	.....	s 10.20	.....	6.05	2.37	9.31	11.15Am	DNPW
TIBER.....	88.13	11.09	.....	f 10.07	.....	5.55	2.27	9.21	10.40	P
LOTHAIR.....	80.80	11.02	.....	f 9.59	.....	5.39	2.12	9.10	10.15	DP
GALATA.....	74.61	10.56	.....	f 9.49	.....	5.16	2.00	8.56	9.53	DP
DEVON.....	68.59	10.50	.....	f 9.39	.....	5.04	1.47	8.47	9.15	DNP
DUNKIRK.....	59.85	10.41	.....	f 9.27	.....	4.48	1.15	8.32	8.50	P
SHELBY.....	50.52	s 10.30	A 6.40Pm	s 9.15	.....	4.30	12.55	8.15	8.25	A 3.30Pm BRKDNP WOIYXJC
SWEET GRASS LINE JCT.....	49.08	10.20	6.30	9.03	.....	4.20	12.45	7.50	8.15	L 3.20Pm PKJ
ETHRIDGE.....	37.49	10.08	6.18	f 8.51	.....	4.01	12.26	7.33	7.53	DP
BALTIC.....	29.73	10.00	6.10	8.41	.....	3.48	12.13	7.21	7.35	P
CUT BANK.....	26.24	9.56	s 6.06	s 8.35	.....	3.40	12.05Pm	7.15	7.25	DNIP
GUNSIGHT.....	20.22	9.47	5.57	f 8.24	.....	3.25	11.50Am	7.04	7.04	.....
SUNDANCE.....	16.84	9.43	5.53	f 8.18	.....	3.18	11.43	6.58	6.55	P
FORT PIEGAN.....	11.40	9.37	5.47	f 8.12	.....	3.08	11.33	6.50	6.43	P
MERIWETHER.....	5.97	9.31	5.41	f 8.06	.....	2.58	11.23	6.42	6.30	P
BLACKFOOT.....	.....	L 9.25Am	L 5.35Pm	L f 8.00Pm	.....	L 2.45Am	L 11.10Am	L 6.30Pm	L 6.15Am	BRKDNP WOIYX
Time Over Subdivision	2.47	1.05	3.55	.....	.....	5.00	5.18	4.45	9.15	.10
Average Speed Per Hour	54.31	46.63	38.59	.....	.....	30.28	28.79	31.82	16.34	8.94

Westward trains are superior to eastward trains of the same class, except as follows:
No. 1 is superior to all trains; No. 2 is superior to all trains except No. 1.

Conditional stops—
No. 2 Cut Bank and Chester to discharge revenue passengers from Spokane and west and to pick up passengers for Williston and east where No. 2 is scheduled to stop.

SEE ADDITIONAL SPECIAL INSTRUCTIONS PAGES 12 THROUGH 21.

4 WESTWARD

SECOND SUBDIVISION

Station Numbers	Car Capacity		THIRD CLASS		FIRST CLASS			Distance from Blackfoot	Time Table No. 73 Effective June 22, 1952 Mountain Time		Telegraph Calls				
	Sidings	Other Tracks	371	683		1	3		27	STATIONS					
			Daily Ex. Sun.	Tue., Thur., Sat.		Streamliner Daily	Daily		Daily						
1112	Yard	680	L	5.30Am			L	3.15Pm	L	12.15Pm	L	7.45Am		BLACKFOOT	BF
1120	E 124 W 104	76		6.20				3.26		12.27	s	7.59	7.29	BROWNING	BG
1125	93	14		6.40				3.35		12.36		8.09	12.47	TRIPLE DIVIDE	
1130	130	6		6.55				3.40		12.41 ⁶⁸⁴		8.14	16.17	SPOTTED ROBE	
1133	95	150		7.35				3.48		12.55	f	8.25	20.75	GLACIER PARK	MD
1136	112	10		7.45				3.53		12.59		8.29	23.45	BISON	
1141	E 119 W 130	10		8.00				3.59		1.05		8.46 ²	26.57	RISING WOLF	
1147	E 112 W 130	81		8.25 ³				4.10		1.17	f	9.01	32.83	SUMMIT	SM
1153	E 60	9		8.42				4.21		1.27		9.11	39.63	BLACKTAIL	
1157		18		8.52				4.27		1.33		9.16	42.71	SINGLESHOT	
1161	E 87 E 98 W 136	11		9.04 ²⁷				4.33		1.40		9.25 ⁶⁸³	47.12	NIMROD	
1165	W 136	212		9.36				4.43		1.50	s	9.36	51.08	ESSEX	SX
1171		18		10.10				4.51		1.58		9.46	56.69	PINNACLE	
1175		14		10.25				4.59		2.06		9.55	61.52	HIDDEN LAKE	
1181	E 116 W 99	14		10.55				5.08		2.15	f	10.05	66.92	RED EAGLE	NY
1192	156	96		11.50Am				5.25 ²⁸		2.35	f	10.27	77.87	BELTON	BE
1200	81	104		12.20Pm				5.36		2.45	f	10.41	85.45	CORAM	CM
				12.32				5.43		2.51 ⁴		10.48	89.71	BRENT	
1207	83	176	L	5.10Pm	1.00			5.47	s	2.57	s	10.59	92.64	COLUMBIA FALLS	CF
1210		46		5.20	1.10			5.50		3.01		11.05	95.58	HALF MOON	
1215	Yard	1588	A	5.40Pm	1.30Pm			6.05Pm	A	3.10Pm	A	11.15Am	100.28	WHITEFISH	WF
				.80 15.28	8.00 12.54			2.50 35.40		2.55 34.38		3.30 28.62		Time Over Subdivision Average Speed Per Hour	

Westward trains are superior to eastward trains of the same class, except as follows:
No. 1 is superior to all trains; No. 2 is superior to all trains except No. 1.

Conditional stops—

No. 3 Browning, Glacier Park and Belton, to pick up revenue passengers for Spokane and West, where No. 3 scheduled to stop and to discharge revenue passengers from Great Falls and East.

SEE ADDITIONAL SPECIAL INSTRUCTIONS PAGES 12 THROUGH 21.

SECOND SUBDIVISION

EASTWARD 5

Time Table No. 73

Effective June 22, 1952
Mountain Time

STATIONS	Distance from Whitefish	FIRST CLASS					SECOND CLASS			THIRD CLASS		SIGNS
		2	4	28			472	486	460	684	368	
		Streamliner					Daily	Daily	Daily	Mon., Wed. Fri.	Daily Ex. Sun.	
BLACKFOOT..... 7.28	100.28	A 9.25Am	A 5.35Pm	A 8.00Pm			A 10.40Am	A 6.00Pm	A 2.30Am	A 2.00Pm	KRDNPW IOYXB	
BROWNING..... 5.18	92.99	9.14	5.25	s 7.48			10.25	5.45	2.14	1.40	DNP	
TRIPLE DIVIDE..... 3.70	87.81	9.07	5.14	t 7.33			10.15	5.34	2.03	1.00	P	
SPOTTED ROBE..... 4.58	84.11	9.02	5.09	t 7.27			10.07	5.28	1.55	12.41	P	
GLACIER PARK..... 2.70	79.58	8.55	5.01	t 7.20			9.55	5.15	1.43	12.25	DNPW Y	
BISON..... 3.12	76.88	8.51	4.53	t 7.13			9.50	5.08	1.37	12.05Pm	P	
RISING WOLF..... 5.26	78.71	8.46	4.48	t 7.08			9.45	5.01	1.30	11.55Am	P	
SUMMIT..... 5.56	67.45	8.37	4.38	t 6.58			9.30	4.38	1.15	11.35	DNPW IYX	
BLACKTAIL..... 3.08	60.65	8.20	4.22	t 6.40			8.45	3.42	12.35	11.00	P	
SINGLESHOT..... 4.41	57.57	8.12	4.15	t 6.30			8.33	3.30	12.21	10.40	P	
NIMROD..... 3.91	58.16	8.03	4.07	t 6.21			8.15	3.12	12.03Am	10.20	IP KDNPW BOYX	
ESSEX..... 5.66	49.25	7.55	3.59	s 6.13			7.55	3.01	11.50Pm	10.00	P	
PINNACLE..... 4.58	48.59	7.45	3.50	t 6.01			7.10	2.30	11.20	9.15	P	
HIDDEN LAKE..... 5.40	38.76	7.38	3.42	t 5.53			6.53	2.15	11.03	8.55	P	
RED EAGLE..... 10.55	38.86	7.30	3.34	t 5.45			6.33	1.55	10.45	8.35	DNIYPW	
BELTON..... 7.58	22.71	7.14	3.18	t 5.25			6.12	1.35	10.20	8.00	DNP	
CORAM..... 4.26	14.83	7.02	3.04	t 5.04			5.55	1.14	10.00	7.02	DPW	
BRENT..... 2.93	10.57	6.56	2.56	4.54			5.45	1.04	9.52	6.25	PI	
COLUMBIA FALLS..... 2.94	7.84	6.52	s 2.52	s 4.50			5.40	12.59	9.45	6.20	A 4.30Am DNJYXP	
HALF MOON..... 4.70	4.70	6.48	2.46	4.41			5.30	12.50	9.35	6.01	4.20 P KRDNPW BOXZI	
WHITEFISH.....	L	6.40Am	L 2.40Pm	L 4.35Pm			L 5.10Am	L 12.30Pm	L 9.15Pm	L 5.45Am	L 4.00Am	
Time Over Subdivision		2.45	2.55	3.35			5.30	5.30	8.15	8.15	0.30	
Average Speed Per Hour		36.46	34.38	27.98			18.23	18.23	19.10	12.12	15.28	

Westward trains are superior to eastward trains of the same class, except as follows:
No. 1 is superior to all trains; No. 2 is superior to all trains except No. 1.

Conditional stops—

No. 4 Browning, Glacier Park and Belton, to discharge revenue passengers from Spokane and West and to pick up revenue passengers for Great Falls and points East where No. 4 scheduled to stop.

SEE ADDITIONAL SPECIAL INSTRUCTIONS PAGES 12 THROUGH 21.

6 WESTWARD

THIRD SUBDIVISION

Station Numbers	Car Capacity		THIRD CLASS			FIRST CLASS			Distance from Whitefish	Time Table No. 73		Telegraph Calls	
	Sidings	Other Tracks	687			1 3 27				Effective June 22, 1952			
			Mon., Wed. Fri.			Streamliner	Daily	Daily		Daily	Mountain Time		
STATIONS													
1215	Yard	1588			L 5.00 ^{am}			L 6.05 ^{pm}	L 3.20 ^{pm}	L 11.30 ^{am}		WHITEFISH	WF
1220	151				5.20			6.16	3.32	f 11.40	6.00	8.00 VISTA	
1227	194 E70	15			5.40			6.24	3.43	f 11.47	11.81	5.81 LUFFER	
1232	W70	26			6.09			6.31	3.55 ²⁸	f 11.55 ^{am}	17.27	5.46 OLNEY	KY
1238	141 W110	17			6.50			6.38 ⁴⁶⁰	4.05	f 12.01 ^{pm}	28.05	5.78 RADNOR	
1245	E113	17			7.15			6.47	4.14	f 12.10 ⁶⁸⁸	30.11	7.06 STRYKER	SY
1251	136	15			7.40			6.55	4.22	f 12.18	26.08	5.97 TREGO	
1256		16			8.00			7.00	4.30	f 12.27	40.70	4.82 EASTWARD FORTINE	FR
1262		71			8.20			7.07	4.38	f 12.37	46.61	5.01 FREIGHT TRK TOBACCO	BA
1267	151 W130	55			8.45 ⁴⁸⁶			7.14	4.47 ⁴⁶⁰	s 12.50	52.89	5.78 EUREKA	KA
1276	E143	144			9.25			7.26	4.59	s 1.10	61.26	5.87 REXFORD	RD
1280	137	6			10.10			7.39	5.12	f 1.24	72.05	10.80 STONEHILL	
1282	145	5			11.00			7.52	5.25	f 1.38	82.21	11.15 URAL	
1287	131	4			11.20			7.59	5.33	f 1.45	88.16	4.95 VOLCOUR	VR
1292		35			11.40					f 1.51	92.85	4.69 WARLAND	WR
1295	139				11.55 ^{am}			8.09	5.42	f 1.55 ²⁸	95.86	8.01 YARNELL	
1302	53	50			12.22 ^{pm}			8.19	5.52	f 2.07	102.76	7.90 JENNINGS	
1308	152	3			12.52 ²⁸			8.26	6.00	f 2.16	109.48	5.72 RIPLEY	
1315	259	165			1.25			8.35	6.10	s 2.30 ⁴⁶⁰	116.32	5.84 LIBBY	CK
1326		14			1.50 ⁴⁶⁰			8.50	6.28	2.48	127.23	11.01 KOOTENAI FALLS	
1332	Yard	845			A 2.15 ^{pm}			A 9.05 ^{pm}	A 6.40 ^{pm}	A 3.00 ^{pm}	134.55	7.22 TROY	UX
					9.15			3.00	3.20	3.30		Time Over Subdivision	
					14.55			44.85	40.37	38.69		Average Speed Per Hour	

Westward trains are superior to eastward trains of the same class, except as follows:

No. 1 is superior to all trains; No. 2 is superior to all trains except No. 1.

Conditional stops—

No. 3 Eureka to discharge revenue passengers from Great Falls and East, and to pick up revenue passengers for Spokane and West where No. 3 scheduled to stop.

SEE ADDITIONAL SPECIAL INSTRUCTIONS PAGES 12 THROUGH 21.

THIRD SUBDIVISION

EASTWARD 7

Time Table No. 73

Effective June 22, 1952
Mountain Time

STATIONS	Distance from Troy	FIRST CLASS				SECOND CLASS			THIRD CLASS	SIGNS
		2	4	28		486	460	472	688	
		Streamliner							Tues., Thurs., Sat.	
		Daily	Daily	Daily		Daily	Daily			
WHITEFISH.....	134.55	A 6.40Am	A 2.30Pm	A 4.25Pm		A ²⁷ 11.15Am	A 8.10Pm	A 3.50Am	A 2.15Pm	KRDNP2 BWOXI
6.00 VISTA.....	129.15	6.25	2.20	f 4.15		10.55	7.50	3.30	2.00	P
5.81 LUPFER.....	122.74	6.16	2.12	f 4.05		10.43	7.38	3.18	1.45	P
5.46 OLNEY.....	117.28	⁶⁸⁷ 6.09	2.05	f ³ 3.55		10.32	7.27	3.07	1.30	DNPW
5.78 RADNOR.....	111.50	6.02	1.58	f 3.42		10.20	7.15	2.55	1.10	P
7.06 STRYKER.....	104.44	5.54	1.50	f 3.33		10.05	¹ 6.47	2.40	12.55	DNPWY
5.97 TREGO.....	98.47	5.46	1.42	f 3.25		9.44	6.10	2.18	²⁷ 12.18Pm	P
4.62 EASTWARD FREIGHT TRK. FORTINE.....	93.85	5.39	1.36	f 3.16		9.27	5.50	2.00	11.45Am	DP
5.91 EASTWARD FREIGHT TRK. TOBACCO.....	87.94	5.31	1.28	f 3.06		9.05	5.25	1.35	11.05	PWI
5.78 EUREKA.....	82.16	5.23	1.21	s 2.59		⁶⁸⁷ 8.45	⁸ 4.47	1.15	10.30	DNP
8.87 REXFORD.....	78.20	5.12	²⁷ 1.10	s 2.45		8.20	4.16	12.50	9.30	DNPWY
10.80 STONEHILL.....	62.49	4.59	12.58	f 2.30		8.02	3.57	12.30	8.50	P
11.15 URAL.....	51.34	4.46	12.46	f 2.18		7.45	3.35	12.10	8.05	P
4.95 VOLCOUR.....	46.80	4.40	12.40	f 2.08		7.35	3.25	12.01Am	7.50	DNP
4.69 WARLAND.....	41.70			f 2.01					7.35	P
3.01 YARNELL.....	38.60	4.31	12.31	f ²⁷ 1.55		⁶⁸⁸ 7.20	3.10	11.46Pm	⁴⁸⁶ 7.20	P
7.90 JENNINGS.....	30.70	4.22	⁶⁸⁷ 12.22	f 1.43		7.03	2.55	11.32	6.50	P
5.72 RIPLEY.....	25.07	4.14	12.15	f 1.34		6.50	2.45	11.22	6.35	P
6.84 LIBBY.....	18.23	4.05	s 12.07Pm	s ⁶⁸⁷ 1.25		6.35	²⁷ 2.30	11.10	6.15	DNPW
11.01 KOOTENAI FALLS.....	7.22	3.51	11.50Am	f 1.04		6.10	⁶⁸⁷ 2.05	10.40	5.20	PI KRDNP BWOXI
7.22 TROY.....		L 3.40Am	L 11.40Am	L 12.55Pm		L 5.50Am	L 1.40Pm	L 10.20Pm	L 5.00Am	
Time Over Subdivision		3.00	2.50	3.30		5.25	6.30	5.30	9.15	
Average Speed Per Hour		44.85	47.49	38.69		24.84	20.70	24.42	14.55	

Westward trains are superior to eastward trains of the same class, except as follows:

No. 1 is superior to all trains;

No. 2 is superior to all trains except No. 1.

Conditional stops—

No. 4 Eureka to pick up revenue passengers destined Great Falls and East where No. 4 scheduled to stop, and to discharge revenue passengers from Spokane and West.

SEE ADDITIONAL SPECIAL INSTRUCTIONS PAGES 12 THROUGH 21.

8 WESTWARD

FOURTH SUBDIVISION

Station Numbers	Car Capacity		THIRD CLASS			FIRST CLASS			Distance from Troy	Time Table No. 73		Telegraph Calls		
	Sittings	Other Tracks	689			1 3 27				Effective June 22, 1952				
			Tue., Thur., Sat.	Streamliner	Daily	Daily	Daily	Pacific Time						
											STATIONS			
1332	Yard	845	L	5.00Am	L	8.05Pm	L	5.45Pm	L	2.05Pm	.....	TROY.....	UX	
1340	149	19		5.35		8.15		5.58		2.17	6.68	6.68		
1347	131	22		6.00		8.15 ⁴⁷²		6.11		2.30	18.71	7.03	ON	
1353	70	6		6.25		8.38		6.23		2.43	30.64	6.98		
1360	132	10		6.45		8.49		6.35		2.55	37.03	6.39		
												CROSSPORT.....		
1364	E119 W68	185		7.30		8.55		6.45		3.05	81.84	4.31	BONNERS FERRY.....	BY
1369	70	18		8.00		9.01		6.53		3.14	86.81	4.97	MORAVIA.....	
1376	119	29		8.35		9.10		7.02 ⁴⁷²		3.25	43.73	6.41	NAPLES.....	NA
1383	126	8		8.50		9.19		7.12		3.37	50.11	7.89	ELMIRA.....	
1390	125	10		9.16		9.27		7.20		3.48	56.93	6.52	COLBURN.....	
1393	W133 E105	293		10.10 ²⁸		9.37		7.30		4.00	64.78	7.85	SANDPOINT.....	S
										4.05	67.74	2.96	DOVER.....	
1407	70	13		10.25 ⁴⁸⁰		9.48		7.42		4.13	75.63	5.88	WRENCOE.....	
1410	130	15		11.08		9.54		7.49		4.21	78.63	5.00	LACLEDE.....	
1416	71	43		11.28		10.00		7.55		4.28	83.34	4.72	THAMA.....	
1420	70 E125 W69	135		11.45Am		10.04		8.01		4.35	86.88	8.54	PRIEST RIVER.....	NO
1427		125		12.30Pm		10.14		8.10		4.50	93.44	6.56	NEWPORT.....	NB
1432		31		12.45		10.18		8.16		4.55	96.95	8.51	PENRITH.....	
1436	129	15		1.05		10.24		8.23		5.02 ⁴⁷³	101.37	4.32	SCOTIA.....	
1442	120	25		1.30		10.34		8.35		5.13	107.91	6.64	CAMDEN.....	
1445	70	28		1.45		10.40		8.40		5.18	110.90	2.99	ELK.....	KE
1449	123	32		2.05		10.46		8.46		5.25	115.23	4.32	MILAN.....	
1456	70	11		2.25		10.55		8.55		5.35	121.73	6.50	CHATTAROY.....	
1460	64	55		2.35		11.00		9.00		5.41	125.63	8.90	DEAN.....	SF
1464		155		2.48		11.06		9.07		5.50	130.21	4.59	MEAD.....	
1469	Yard	3184	A	3.00Pm	A	11.15Pm	A	9.15Pm	A	6.05Pm	134.67	4.46	HILLYARD.....	HU
				10.00		3.10		3.30		4.00				
				13.47		42.53		38.47		33.67				
										DOUBLE TRACK		Time Over Subdivision		
												Average Speed Per Hour		

AUTOMATIC BLOCK SIGNALS

Westward trains are superior to eastward trains of the same class, except as follows:
 No. 1 is superior to all trains; No. 2 is superior to all trains except No. 1.

Conditional stops—

- No. 3 Priest River to discharge revenue passengers from Fargo and East.
- No. 27 on Flag at Samuels postoffice, 2 miles east Colburn.
- No. 3 Newport to receive revenue passengers for Everett or Portland and beyond and to discharge revenue passengers from Great Falls and East.

SEE ADDITIONAL SPECIAL INSTRUCTIONS PAGES 12 THROUGH 21.

FOURTH SUBDIVISION

EASTWARD 9

Time Table No. 73 Effective June 22, 1952 Pacific Time	Distance from Hillyard	FIRST CLASS				SECOND CLASS			THIRD CLASS		SIGNS
		4	28	2 Streamliner		486	460	472		690	
		Daily	Daily	Daily		Daily	Daily	Daily		Mon., Wed. Fri.	
STATIONS											
TROY.....	184.67	A 10.35Am	A 11.50Am	A 2.40Am	.....	A 4.35Am	A 12.35Pm	A 9.05Pm	.....	A 3.30Pm	RDPWP BOKXI
6.68 YAKT.....	127.99	10.25	f 11.39	2.24	.....	4.20	12.22	8.50	.....	3.05	P
7.08 LEONIA.....	120.96	10.15	f 11.28	2.11	.....	4.06	12.09Pm	8.26	.....	2.30	DP
6.93 KATKA.....	114.08	10.04	f 11.18	1.59	.....	3.52	11.57Am	7.54	.....	1.55	P
6.39 CROSSPORT.....	107.64	9.55	f 11.08	1.48	.....	3.39	11.45	7.41	.....	1.25	P
4.31 BONNERS FERRY.....	108.33	f 9.49	s 11.01	1.42	.....	3.30	11.39	7.32	.....	1.10	DNPWV YXJ
4.97 MORAVIA.....	98.36	9.40	f 10.48	1.35	.....	3.21	11.31	7.23	.....	12.19Pm	P
6.41 MAPLES.....	91.95	9.32	f 10.41	1.27	.....	3.10	11.21	7.02	.....	11.50Am	DPW
7.39 ELMIRA.....	84.56	9.24	f 10.29	1.18	.....	2.57	11.10	6.40	.....	11.15	P
6.82 COLBURN.....	77.74	9.16	f 10.20	1.10	.....	2.44	10.57	6.25	.....	10.57	P
7.85 SANDPOINT.....	69.89	f 9.08	s 10.10	1.00	.....	2.30	10.45	6.12	.....	10.10	DNPWV YXZ
3.96 DOVER.....	66.93	9.03	f 10.02	.....	.....	.....	.....	.....	.....	.....	PV
5.88 WRENCOE.....	61.08	8.55	f 9.55	12.49	.....	2.16	10.25	5.58	.....	9.16	P
5.00 LACLEDE.....	56.05	8.49	f 9.48	12.43	.....	2.07	10.05	5.50	.....	8.56	P
4.72 THAMA.....	51.33	8.44	f 9.42	12.38	.....	1.59	9.56	5.43	.....	8.48	P
8.54 PRIEST RIVER.....	47.79	8.40	s 9.37	12.34	.....	1.53	9.49	5.37	.....	8.40	DP
6.56 NEWPORT.....	41.23	8.30	s 9.25	12.26	.....	1.40	9.35	5.25	.....	8.00	DNPVX
8.51 PENRITH.....	37.72	8.22	f 9.12	12.22	.....	1.28	9.23	5.15	.....	7.35	P
4.32 SCOTIA.....	33.40	8.17	f 9.05	12.16	.....	1.19	9.15	5.02	.....	7.20	P
6.64 CAMDEN.....	26.76	8.09	f 8.57	12.05	.....	1.01	8.57	4.42	.....	7.00	PW
3.99 ELK.....	23.77	8.05	f 8.52	12.01Am	.....	12.54	8.29	4.36	.....	6.50	PD
4.32 MILAN.....	19.45	7.59	f 8.44	11.55Pm	.....	12.45	8.20	4.28	.....	6.30	P
6.50 CHATTAROY.....	12.95	7.51	f 8.34	11.47	.....	12.32	8.06	4.16	.....	6.10	P
3.90 DEAN.....	9.05	7.46	f 8.29	11.42	.....	12.25	7.59	4.10	.....	6.00	DNPXJI
4.59 MEAD.....	4.43	7.40	f 8.21	11.36	.....	12.15	7.50	4.00	.....	5.45	P
4.46 HILLYARD.....	.....	L 7.35Am	Ls 8.15Am	L 11.30Pm	.....	L 12.05Am	L 7.40Am	L 3.50Pm	.....	L 5.30Am	KRDPW BOXIYZT
Time Over Subdivision		3.00	3.35	3.10		4.30	4.55	5.15		10.00	
Average Speed Per Hour		44.89	38.12	42.53		29.93	27.42	25.65		13.47	

Westward trains are superior to eastward trains of the same class, except as follows:
 No. 1 is superior to all trains; No. 2 is superior to all trains except No. 1.

Conditional stops—

No. 4 Newport to discharge revenue passengers from Portland and Everett or West and to receive revenue passengers for Great Falls and points East where No. 4 is scheduled to stop.

No. 4 Priest River to pick up revenue passengers for Fargo and East, where No. 4 is scheduled to stop.

No. 28 on Flag at Samuels postoffice, 2 miles east Colburn.

SEE ADDITIONAL SPECIAL INSTRUCTIONS PAGES 12 THROUGH 21.

10 WESTWARD

FIFTH SUBDIVISION

EASTWARD

Station Numbers	Car Capacity		SECOND CLASS	Distance from Columbia Falls	Time Table No. 73			Telegraph Calls	Distance from Kalispell	SIGNS	SECOND CLASS	Distance from
	Sidings	Other Tracks			Effective June 22, 1952	Mountain Time	Daily Ex. Sun.						Daily Ex. Sun.
1207	181		L 369	4.35Am	COLUMBIA FALLS	CF	14.34	BJ RDNPYX	A	5.10Pm		
					1.84							
					1.84	SOLDIERS HOME		12.50				
WB5	41			5.00	3.44							
					4.63	LA SALLE		9.06	P	4.40		
					9.91	ROSE CROSSING		4.43				
WB 14	Yard	831	A	5.45Am	4.43	KALISPELL	K		BRKDNP JWYXZ	L	4.00Pm	
					1.10							
					12.29							
						Time Over Subdivision					1.10	
						Average Speed per Hour					12.29	

Westward trains are superior to eastward trains of the same class.
SEE ADDITIONAL SPECIAL INSTRUCTIONS PAGES 12 THROUGH 21.

WESTWARD

SIXTH SUBDIVISION

EASTWARD

Station Numbers	Car Capacity		Distance from Port Hill	Time Table No. 73			Telegraph Calls	Distance from Bonner's Ferry	SIGNS	Distance from
	Sidings	Other Tracks		Effective June 22, 1952	Pacific Time	STATIONS				
KV26	Yard	87			PORT HILL		26.11	DP		
					9.18					
KV17		18		9.18	COPELAND		16.98			
					9.36					
KV8		18		18.54	RITZ		7.57			
					7.01					
				25.55	SPOKANE INT. RY. CROSSING		0.56			
1364		185		26.11	BONNERS FERRY	BY		BDNPW BYXJV		
						Time Over Subdivision				
						Average Speed Per Hour.				

Westward trains are superior to eastward trains of the same class.
SEE ADDITIONAL SPECIAL INSTRUCTIONS PAGES 12 THROUGH 21.

WESTWARD

SEVENTH SUBDIVISION

EASTWARD

Station Numbers	Car Capacity		Distance from Somers	Time Table No. 73			Telegraph Calls	Distance from Hubbard	SIGNS	Distance from
	Sidings	Other Tracks		Effective June 22, 1952	Mountain Time	STATIONS				
WB25	Yard				SOMERS		38.84	DWOPX RB		
					4.67					
WB21		7		4.67	BALLS CROSSING		34.17	JZ		
					4.95					
WB14	Yard			9.62	KALISPELL	K	29.23	BRKDN PWYX		
					9.14					
WB24		51		18.76	KILA		20.08			
					7.80					
WB32		25		26.56	ATHENS		12.28			
					5.40					
WB38		14		31.96	MARION		6.88	Y		
					4.34					
WB42		24		36.30	BITTERROOT		2.54			
					2.54					
WB44		43		38.84	HUBBARD					
						Time Over Subdivision				
						Average Speed per Hour				

Westward trains are superior to eastward trains of the same class.
SEE ADDITIONAL SPECIAL INSTRUCTIONS PAGES 12 THROUGH 21.

WESTWARD

EIGHTH SUBDIVISION

EASTWARD 11

Station Numbers	Car Capacity						THIRD CLASS	Distance from Sweet Grass Line Jct.	Time Table No. 73			Distance from Sweet Grass	Telegraph Calls	SIGNS	THIRD CLASS				
	Sidings	Other Tracks					681		Effective June 22, 1952 Mountain Time						682				
STATIONS																			
ZB							L	7.40Am		SWEET GRASS LINE JCT...	37.36		XJP	A	3.20Pm				
109	30						f	8.05	7.91	7.91			P	f	2.50				
ZB										10.67									
120	50	114					s	8.40	18.58	10.67			VN	s	2.15				
ZB										10.42									
130	25	48					s	9.20	29.00	10.42			SU	s	1.15				
ZB										8.36									
139	21	92					A	9.50Am	37.36	8.36			G	L	12.01Pm				
								2.10							3.19				
								17.24							11.26				
										Time Over Subdivision									
										Average Speed Per Hour									

Westward trains are superior to eastward trains of the same class.

SEE ADDITIONAL SPECIAL INSTRUCTIONS PAGES 12 THROUGH 21.

SPECIAL INSTRUCTIONS

ALL SUBDIVISIONS

1. INSTRUCTIONS GOVERNING THE OPERATION OF STREAMLINER TRAINS.

CLEARING OF STREAMLINERS.

The time of No. 1 must be cleared by westward first class trains not less than 5 minutes before No. 1 is due to leave the last station where time is shown, and by other westward trains not less than 10 minutes before No. 1 is due to leave the last station where time is shown.

The time of No. 1 must be cleared by eastward first class trains, except No. 2, not less than 10 minutes at all stations, and by other eastward trains not less than 15 minutes.

The time of No. 2 must be cleared by eastward first class trains not less than 5 minutes before No. 2 is due to leave the last station where time is shown, and by other eastward trains not less than 10 minutes before No. 2 is due to leave the last station where time is shown.

The time of No. 2 must be cleared by westward first class trains, except No. 1, not less than 10 minutes at all stations, and by other westward trains not less than 15 minutes.

Within yard limits, yard engines and light engine movements must clear the main track not less than 10 minutes before No. 1 and No. 2 are due to leave the last station where time is shown.

MAXIMUM PERMISSIBLE SPEED OF STREAMLINERS.

Streamliner trains will be so designated in column with schedule number.

Maximum permissible speed of Streamliner trains will be designated by distinctive reflectorized roadway signs set in an upward angle of 45 degrees as prescribed in Item 2 (b)—SPEED RESTRICTIONS GENERAL—ALL SUBDIVISIONS.

2. SPEED RESTRICTIONS GENERAL.

ZONE TERRITORIES AND MAXIMUM PERMISSIBLE SPEED OF PASSENGER TRAINS, INCLUDING STREAMLINERS, OPERATING VIA ROUTES INDICATED BELOW:

Stations	Zone Territories		Maximum Speed MPH	
	Between	Mile Posts	Westward	Eastward
Havre	430	and 434 (964.0)	60	60
Pacific Jct.	964.0	" 965.0	40	60
	965.0	" 967.2	60	60
	967.2	" 1015.25	70	70
Buelow	1015.25	" 1036.0	65	65
	1036.0	" 1036.25	55	55
	1036.25	" 1052.0	65	65
	1052.0	" 1065.4	70	70
Shelby	1065.4	" 1065.8	20	20
	1065.8	" 1090.6	65	65
Cut Bank	1090.6	" 1091.0	30	30
(Bridge 68)	1091.0	" 1093.5	50	50
	1093.5	" 1116.5	65	65
Blackfoot	1116.5	" 1123.2	65	65
Browning	1123.2	" 1125.25	45	45
	1125.25	" 1129.0	55	55
	1129.0	" 1131.2	45	45
	1131.2	" 1137.0	50	50
Gl. Park	1137.0	" 1140.4	35	35
(1138.0)	1140.4	" 1143.6	50	50
	1143.6	" 1145.0	40	40
	1145.0	" 1147.8	50	50
	1147.8	" 1150.2	40	40
Summit	1150.2	" 1157.0	45	30
(1150.4)	1157.0	" 1165.1	35	30
	1165.1	" 1166.15	20	20
	1166.15	" 1169.0	35	30
Essex	1169.0	" 1172.1	45	45
(1169.3)	1172.1	" 1173.3	35	45
	1173.3	" 1174.4	30	45
	1174.4	" 1180.7	45	45
	1180.7	" 1185.0	35	35

ZONE TERRITORIES AND MAXIMUM PERMISSIBLE SPEED OF PASSENGER TRAINS, INCLUDING STREAMLINERS, OPERATING VIA ROUTES INDICATED BELOW—Continued:

Stations	Zone Territories		Maximum Speed MPH	
	Between	Mile Posts	Westward	Eastward
Red Eagle	1185.0	and 1188.3	45	45
(1185.0)	1188.3	" 1189.9	40	40
	1189.9	" 1196.1	45	45
Belton	1196.1	" 1204.6	60	60
(1196.1)	1204.6	" 1205.0	40	40
Bridge 140	1205.0	" 1208.6	45	45
Brent	1208.6	" 1209.0	35	35
	1209.0	" 1217.9	70	70
Whitefish	1217.9	" 1220.0	35	35
(1219.3)	1220.0	" 1226.7	50	50
Vista	1226.7	" 1227.0	35	35
Stryker	1227.0	" 1319.3	55	55
Rexford	1319.3	" 1324.0	50	50
	1324.0	" 1328.5	55	55
	1328.5	" 1333.2	45	45
	1333.2	" 1346.0	55	55
Kootenai Falls	1346.0	" 1347.8	45	35
	1347.8	" 1351.5	50	50
Troy (1353.8)	1351.5	" 1354.0	35	50
	1354.0	" 1344.0	55	55
	1344.0	" 1348.3	40	40
	1348.3	" 1349.0	35	35
	1349.0	" 1363.1	40	40
	1363.1	" 1368.0	55	55
	1368.0	" 1368.5	15	15
Bonniers Ferry	1368.5	" 1384.3	45	45
	1384.3	" 1391.2	60	60
	1391.2	" 1392.0	55	55
	1392.0	" 1419.8	60	60
	1419.8	" 1420.5	55	55
Thama	1420.5	" 1425.0	60	60
Priest River	1425.0	" 1429.0	45	45
	1429.0	" 1439.6	55	55
Milan	1439.6	" 1455.2	45	45
	1455.2	" 1459.0	50	50
Chattaroy	1459.0	" 1463.3	60	60
Dean	1463.3	" 1463.8	55	35
	1463.8	" 1468.5	55	55
	1468.5	" 1470.5	50	55
Hillyard	1470.5	" 1472.5	50	50
(1472.5)				

(a) Where Automatic Block and Interlocking Rules and Signal Indications require movements at RESTRICTED SPEED, such movements must be made prepared to stop short of train, obstruction, or switch not properly lined and on the lookout for broken rail or anything that may require the speed of a train to be reduced, but not exceeding 15 MPH or as much slower as necessary and where conditions require the movement must be controlled so stop can be made in time to avoid accident.

(b) Maximum permissible speed of passenger, freight and mixed trains, including Streamliners, will be designated by distinctive reflectorized roadway signs set in an upward angle of 45 degrees. Except as directly affected by speed restrictions prescribed in Items 1 and 2—ALL SUBDIVISIONS—and other speed restrictions covered by Item 2 under individual Subdivisions, the 45 degree signs designate zone speed territories and the numerals thereon indicate in miles per hour the maximum permissible speed which will govern until the next zone sign is reached.

When the movement is from a higher to a lower speed zone, the zone sign is located approximately one mile from the point where the lower speed becomes effective. At the end of this one mile is located a reflectorized angular Restricting Sign, yellow background with black stripes, indicating the point where lower speed becomes effective. Lower speed to govern until entire train passes next zone sign.

When the movement is from a lower to a higher speed zone, the 45 degree sign is located at the point where speed may be increased.

When operating against the current of traffic in double track territory, trains must not exceed the maximum permissible speed prescribed by the 45 degree sign with the current of traffic. This does not modify Rule 93.

The 45 degree sign has two sets of figures. The numerals preceded with letter "P" apply to passenger trains, including Streamliners, and letter "F" to freight and Mixed trains.

(c) When passenger trains, including Streamliners, are handled by Diesel engines, Electric engines, passenger or freight steam engines, the train will not exceed the maximum speed authorized by Speed Limit Plate on engine, and will be governed by the 45 degree signs where a lower speed is prescribed.

When freight cars, except cars equipped with steel wheels, air signal and steam heat lines, are handled in passenger trains, including Streamliners, the train will not exceed maximum permissible speed for freight trains in the territory operated.

(d) Speed shown on Speed Limit Plate on engines must not be exceeded.

(e) Steam engines backing up 20 MPH

Steam engines in forward motion running light or with caboose only 35 MPH

Diesel and Electric engines light or with caboose only 50 MPH

Trains will run at restricted speed where slides or falling rock are liable to be encountered.

Trains handling steam derricks, pile drivers, ditchers, cranes, steam shovels, dozers, etc. On Main Line 25 MPH

except on 6 degree curves or sharper and on Branch Lines 15 MPH

Trains handling ore cars or air dump cars loaded with ore or gravel and scale test car on Main Line 30 MPH

except on 6 degree curves or sharper, and on Branch Lines 20 MPH

Unless conditions require a further speed restriction, trains or engines moving against the current of traffic on double track through interlockings 15 MPH

Trains or engines moving on main routes actuating points of spring switches 35 MPH

Trains or engines moving in facing point direction at spring switches without facing point lock 25 MPH

Trains and engines through No. 20 turnouts at..... 35 MPH

Pacific Junction, end of double track.

Gilford, east and west siding switch.

Dunkirk, east siding switch.

Cut Bank, east and west end of Bridge 68.

Blackfoot, Summit, Red Eagle, Brent and Whitefish, end of double track.

Vista, east switch. Fortine, east switch to freight track. Stonehill, east and west siding switch.

Kootenai Falls, end of double track. Troy, end of double track, crossover at end of double track, east end of south yard track. Yakt, Leonia, Newport, west siding switch. Dean, Hillyard, east end yard, end of double track.

Trains and engines through No. 15 turnouts at..... 25 MPH

Tiber, east and west siding switch.

Dunkirk, west siding switch.

Nimrod, east and west siding switch.

Whitefish, west yard switch.

Stryker, east and west siding switch.

Tobacco, west switch eastward freight track.

Elmira, east and west siding switch.

Laclede, east and west siding switch.

Trains or engines through all other turnouts 15 MPH

All trains passing "19" order board 25 MPH

(f) Open cars loaded with poles, piling, lumber, timber, pipe or other lading which might shift, shall be handled as far as possible in pole trains or local trains. Except at points where it is necessary to classify trains, such cars should be placed as close as possible to the head end of the train but shall not be placed immediately next to Diesel or electric engine, or immediately next to caboose, occupied outfit cars or passenger cars.

These commodities must not be placed in trains at such locations as will conflict with the rules governing the handling of explosives, inflammables or acids.

In double track territory, engineers on trains containing such cars must at all times use extreme care to avoid slack action running in or out when passing or being passed by other trains. On single track, trains containing such cars must be at stop when on siding or adjacent track when meeting or being passed by other trains, except when there are more cars than siding will hold, it is permissible for such trains to pull by other train at restricted speed.

3. MOVEMENT OF ENGINES DEAD IN TRAINS.

Class O and larger engines will be placed not to exceed 15 cars behind road engine. In electrified zone only class R engine will be handled on head end, all others near rear.

Class F-8 and smaller engines will be placed next ahead of caboose.

Diesel and Gas-Electric engines 2302-2341 must be handled on rear of train.

Not less than five cars will be placed between all engines.

Trains handling Great Northern steam engines dead in train with side rods on both sides will not exceed 40 MPH; and without side rods will not exceed 10 MPH.

Trains handling foreign line steam engines with side rods on both sides will not exceed speed designated by Superintendent; and without side rods will not exceed 10 M.P.H.

Engines that have any of the truck or driving wheels removed will not be moved in a train without authority of Superintendent.

Trains handling Electric, Diesel and Gas-Electric engines in tow dead in train will not exceed following speeds:

Engine Number	Maximum Speed
1 to 23, 75 to 170, 253 to 258, 262 to 264, 301 to 317, 400 to 458	50 MPH
175 to 227, 271 to 279, 550 to 564, 600 to 653	65 MPH
250, 251, 260, 261, 266 to 270, 280, 281, 350 to 365, 500 to 512	75 MPH
252, 259, 265, 300	45 MPH
2302 to 2324	50 MPH
2325 to 2341	60 MPH
5000 to 5008	45 MPH
5010 to 5019	55 MPH

4. ELECTRIC BRAKES.

In event of failure of the electric straight air brakes, or if electric brakes cannot be used on account of cars not equipped with electric air brakes being handled in the train, the automatic air brake will be used.

Between terminals, if engineer finds electric brakes not operating properly he shall immediately change brake valve over to automatic air brake operation and open circuit breaker to electric brake circuits. After changing from electric straight air brake operation to automatic air brake operation the train will be handled with automatic air to the next terminal where standing terminal air brake test can be made by carmen. Terminal brake tests should then be made with electric straight air and with automatic air and train may be handled with electric straight air if brakes function properly during terminal tests.

5. Before leaving any engine terminal enginemen will make proper tests and inspections of water glasses, gauge cocks, water column and injectors, and will not leave the terminal unless all these are in proper working order.

Should enginemen on steam engines find that the water is not in sight in water glass and if water cannot be raised to bottom gauge cock or water glass by opening throttle, on oil burning engines the fire must be extinguished immediately and on coal burning engines the fire must be knocked out or smothered to the extent there will be no damage done to the crown sheet. If water can be raised to the bottom gauge cock or water glass, the water level should be built up by use of the pump, or injector, or both.

Should the low water alarm whistle blow, on any engine so equipped, enginemen will immediately ascertain where the water level is in the boiler by blowing out water glasses and water column, and being sure that water glass mounting valves are

open and if water cannot be raised to the bottom gauge cock or water glass by opening throttle, enginemen will be governed by instructions in the preceding paragraph.

6. Under Rule 24, engine number only will be displayed in indicators on engines so equipped. This will also apply when our engines are operating over Northern Pacific tracks. Between Klamath Falls and Chemult, Southern Pacific Rules will govern.
7. When two or more Diesel or Electric engine units are coupled together the numerals and suffix letter, where provided, of the leading unit will be illuminated at all times when in service. The numerals and suffix letter of trailing units must not be illuminated.
The numerals and suffix letter of the leading unit only will be used in train orders as prescribed by Consolidated Code Rule 206.
8. Gas-Electric engines must not be fueled while occupied by passengers, or coupled to cars occupied by passengers.
9. Air hose on Diesel and Electric engines must be hooked up in hose fastener when not in use.

10. EMPLOYEES WILL BE GOVERNED AS FOLLOWS ON ENGINES, PASSENGER AND FREIGHT CARS EQUIPPED WITH ROLLER BEARINGS:

Roller bearing failures on cars or engines equipped with roller bearing journal boxes may be due to lack of oil or grease. If the box is not blazing, the oil plug in the cover should be removed and engine or valve oil added. Oil must never be added to a box that is blazing. Grease lubricated roller bearing boxes have grease plugs locked with metal strap which must be cut off with chisel before plug can be removed. After the oil has been added and plug replaced, the train should proceed at reduced speed and care exercised until it is apparent that the box will run cool. If fire develops in roller bearing box on any equipment, it must be closely watched, train moved slowly, and Superintendent notified from first available point of communication, who will prescribe for the movement.

Some engines and cars equipped with roller bearings have heat indicators or stench bombs inserted in the housing of boxes which release a strong pungent odor in the event of excessive journal box temperatures. When this odor is detected, train must be stopped at once and box located. Compare the temperature of this box with the other boxes on the same engine or car, check the oil level, and if there is no evidence of overheating, train may proceed, but if the box is overheating proceed only as instructed in the preceding paragraph.

Ore cars and covered hopper cars equipped with roller bearings have the lettering "TIMKEN ROLLER BEARINGS" stencilled beneath the lettering "GREAT NORTHERN" on each side of the car.

Cars and engines equipped with roller bearings must not be allowed to stand alone, even on level track, without brakes being adequately applied.

11. COOLING AND STEAM BOILER WATERING FACILITIES FOR DIESEL ENGINES ARE PROVIDED AT THE FOLLOWING INTERMEDIATE STATIONS:

FIRST SUBDIVISION:

CHESTER: Both at Standpipe, hoses in frost box.
SHELBY: Both at East & West fueling stations.
CUT BANK: Cooling water only, at Depot.

SECOND SUBDIVISION:

GLACIER PARK: Water and hoses at Depot.
SUMMIT: Connections in standpipe frost box, hoses at Depot.
ESSEX: Connections at water tank, hoses in hose house east of water tank.
CORAM: Cooling water only, at Depot.
BELTON: Cooling water only, at Depot.
COLUMBIA FALLS: Cooling water only, at Depot.

THIRD SUBDIVISION:

STRYKER: Cooling water only, at Depot.
FORTINE: Cooling water only, at Depot.

EUREKA: Cooling water only, at Depot.
REXFORD: Both at emergency standpipe, connections and hoses in frost box.
LIBBY: Both at emergency standpipe east of Depot, hoses in Depot.

FOURTH SUBDIVISION:

LEONIA: Cooling water only, at Depot.
BONNERS FERRY: Both at Water tank, hoses in Depot.
NAPLES: Cooling water only, at Depot.
SANDPOINT: Both at West standpipe, hoses in frost box.
NEWPORT: Cooling water only, at Depot.

EIGHTH SUBDIVISION:

SWEET GRASS: Both at frost box in water tank. Hoses in depot warehouse.

12. Trains 1, 2, 3, 4, 7, 8, 11, 12, 19, 20, 23 and 24 carry 100 ft. of steam hose in two 50 ft. lengths equipped with standard Vapor and engine steam dome connections for emergency use in event of steam failure on train engine and non-steam train line engine furnished to handle train. In case of steam line failure on a car, connect both hoses together to run around such car so can be taken to first terminal, using combination standard Vapor and steam dome connections attached to reel. Car must be drained before proceeding.
13. Under Rule 2, watches that have been examined and certified to by a designated inspector must be used by train dispatchers and yardmen.
14. Brakemen with less than one year of experience should not be used as flagmen except in emergency, and then Superintendent will be notified by wire.
15. When operating snow machines in non-block signal territory, no train should be permitted to follow closer than a station apart, when that cannot be done, they will be blocked not less than thirty minutes apart.
16. After severe blizzard or dirt storm, employes on first train over road must exercise care to avoid accident caused by striking drift without first having drifts faced with hand shovels, cutting in far enough to get beyond the hard snow and giving a perpendicular wall to strike against instead of slope or wedgelike shape. When operating snow dozer, conductor in charge will ride in dozer. On snow and dirt dozers every precaution must be taken to see that cage, flangers and wings clear all obstacles when in service and are properly secured when in through trains, and dozers properly turned. Hand screws must be tightened to raise flangers on dozers as high as possible before making a back-up movement, and must not be released until the dozing work is actually to start. Hand screws holding the cage on dozers must be tightened or chains otherwise fastened except when dozer has air in cylinders and is attended by an employe.
17. Loaded dump cars should not be handled on double track after dark, but if necessary to do so, close watch must be kept by trainmen and if a car dumps its load, train must be stopped and protection afforded on the opposite track.
18. Unless otherwise provided, when passenger trains are operated against current of traffic on double track or through sidings, Conductors shall notify Railway Postal Clerks; trains shall stop at points where U. S. mail is usually picked up and Conductors are responsible for delivery of mail to Postal car.
19. Conductors will report by wire all flat spots on wheels of passenger cars. Any cars having flat spots on wheels of more than two and one-half inches long must be set out.
20. Due to limited overhead clearance at tunnels and structures, employes are warned to keep off top of cars of extreme height and width when handled in trains and yards, also such standing cars in electrified zone, except in emergency. In absence of previous advice on such cars, wire proper officer for instructions.

21. The Railway Company is responsible for proper handling of perishable freight on road and at points where Western Fruit Express Company does not maintain representatives. Conductors on trains handling perishable freight will ascertain from waybills class of service required and light or extinguish heaters and manipulate vents in accordance with current instructions provided for handling perishable freight issued by the National Perishable Freight Committee.

22. Placarded loaded tank cars handled in through freight trains shall not be nearer than 6th car from engine, occupied caboose or passenger car.

Cars placarded "Explosives", "Inflammable", "Corrosive Liquids", or "Poison Gas" handled in through freight trains, local and mixed trains, shall not be nearer than 16th car from engine, occupied caboose or passenger car.

When length of train will not permit handling of cars as prescribed above—ANY PLACARDED CAR, loaded with above commodities—shall be placed near middle of train, but not nearer than 2nd car from engine, occupied caboose or passenger car.

When switching such cars in terminal yards they must be separated from engine by at least one non-placarded car.

When placarded cars described above are handled in freight trains made up in "blocks" or classifications, placarded car or cars shall be placed near middle of the "block" or classification, but not nearer than 6th car from engine, occupied caboose or passenger car.

When such placarded cars are placed in trains they must not be placed next to each other, next to refrigerators equipped with gas-burning heaters, stoves or lanterns, or next to loaded flat cars, or gondola cars containing lading higher than ends of car that is liable to shift.

Carload express shipments of explosives, sealed and placarded, may be handled on passenger trains; LCL shipments may be made in so-called peddler car with messenger in charge when such car is assigned to the handling of express and baggage exclusively.

Terminal or pick-up points enroute must furnish conductor and engineer Form 250 showing consecutively location in train of all cars placarded "Explosives". At points other than terminals where crews change, notice will be transferred from crew to crew.

Employees will be guided by further instructions governing handling of loaded tank cars, Explosives, Inflammables, Corrosive Liquids, and Poison Gas found in I. C. C. Regulations and Consolidated Code Rules 726(C) and 808.

23. The normal position of a spring switch with facing point lock is identified by a color light type signal displaying a "lunar white" light for train or engine movements in a trailing point direction and for movements in facing point direction when conditions require.

The normal position of a spring switch without facing point lock is identified by a triangular yellow target on switch stand with letter "S" in black and "lunar white" light in switch lamp in place of green light displayed in both directions through or over the switch.

Trains departing from stations, either from siding or main track, in trailing point movement actuating points of spring switches, a member of crew must observe indication of governing signal in opposite direction after rear end of train has passed through switch to ascertain if switch points return to normal position. If this signal indicates Stop and no immediate train movement or other cause is evident, report the fact to Superintendent from first available point of communication.

During and immediately following snowstorms or violent wind storms, spring switches must be operated by hand and relined to normal position before heading out through switch in trailing point movement, actuating switch points, to insure switch is in proper operating condition.

INDICATORS AT SPRING SWITCHES.

A switch indicator, consisting of a single yellow light unit (normally dark) and a switch-key-controller mounted on an iron mast located at clearance point of a siding, must be operated by a member of the crew who, together with engineer, must observe and be governed by its indication before fouling main track or making movement from siding to main track through a spring switch in automatic signal territory, unless the movement is made immediately after an opposing train has passed the switch and Automatic Signal at leaving end of siding indicates "Proceed".

If indicator displays a yellow light when switch-key-controller is operated, train or engine movement to main track may be made immediately in accordance with train rights and operating rules. Display of yellow light must continue until leading wheels have passed clearance point.

If indicator does not display a yellow light when switch-key-controller is operated, train or engine movements to main track may be made in accordance with train rights and operating rules, after operating spring switch by hand; waiting three minutes and taking every precaution to provide proper protection.

To operate Switch Indicator, insert switch key in controller and turn clockwise toward "R", hold a few seconds and remove key. If yellow light is displayed and intended movement is not made, insert switch key in controller and turn counter clockwise toward "N" to restore signal system to normal condition to avoid delays to trains on main track.

Switch-key-controller must never be operated toward "N" after having been operated toward "R" if intended movement to main track is to be made.

24. Facing point locks on hand operated switches are indicated by a six-inch yellow stripe painted on target staff. Be positive locking device is restored to normal position after using. A running switch must not be made through this type switch.
25. DRAGGING EQUIPMENT DETECTOR INDICATOR consists of a single white light unit (normally dark) with circular background mounted on signal or other mast. When white light is displayed, train must be stopped and inspected for dragging equipment. Notify Superintendent from first available point of communication.
26. Rule 204 (A) prescribes that copies of train orders will be furnished the rear trainman, such orders will only be furnished on designated: Trains Nos. 1, 2, 3, 4, 7, 8, 9, 10, 27, 28, 29, 30, and sections thereof; also extra passenger train whether operated as section of regular train or as a passenger extra.
27. OSCILLATING EMERGENCY RED HEADLIGHT will be immediately displayed by day or night when a train is disabled or stopped suddenly by an emergency application of air brakes or when engineer and conductor find it necessary to stop train due to some defect which might cause accident, over-running clearance point at meeting and waiting points, end of double track or junction. Engineer of an approaching train observing display of emergency red headlight must stop before passing and be governed by conditions existing. If operating on adjacent track, ascertain and if safe for passage, then proceed at restricted speed until train is passed.
- OSCILLATING EMERGENCY RED REAR END LIGHT is of two types—Automatic Control—Portable Manual Control—and except as otherwise provided, must be displayed by day or night each time train stops or is running at speed less than 18 MPH. Automatic Control type automatically functions in this manner. However, when train running at speed above 18 MPH and moving under circumstances in which it might be overtaken by another train or engine and during foggy and stormy weather, light may be operated manually with emergency switch and employes to afford other protection prescribed by rule.
- THE USE OF EMERGENCY RED HEADLIGHT AND REAR END LIGHT DOES NOT IN ANY WAY RELIEVE ENGINE-MEN AND TRAINMEN FROM RESPONSIBILITY OF COMPLYING WITH RULES 99 AND 102.

Emergency red rear end light must be extinguished: when standing at origin and terminus stations of train run; when switching being performed from rear; when on siding to be passed by another train; and, when another train operating on adjacent track is approaching from rear, but not until it is known such train is not on same track.

Portable light must be removed before coupling to rear of such car.

Oscillating white light on engines will be displayed in addition to standard headlight governed by Rules 17 and 17(B). In case of headlight failure it can be used as emergency headlight or as a focus light by push button control if desired.

Enginemen and trainmen on trains and engines equipped with oscillating emergency red lights must familiarize themselves with the operation of the lights.

28. Rule D-97 is in effect on this Division.
29. Trains handling flat or skeleton cars loaded with logs must stop at appropriate locations immediately before passing over through-truss bridges or through tunnels and make thorough inspection of all cars of logs in their train, making certain train and lading are in safe condition before proceeding. Extra stops en route will be made for this purpose when in the judgment of the conductor it is necessary. Trainmen must maintain watch behind their trains for logs that may have rolled off cars and if main track is fouled take prompt action to protect trains. On double track, conductors must notify train dispatcher when logs are to be handled and the log train must be at stop when being passed by other trains, except that when two trains handling logs are passing, either one should stop until the other train has pulled by whether on siding or double track. On single track, trains handling logs must be at stop when meeting or being passed by passenger and freight trains, except when there are more cars than siding will hold, it is permissible for log train to pull by such train at restricted speed. In double track territory, logs must be secured to cars by chains or cables. Unless conditions require further speed restrictions, trains handling logs must not exceed 25 MPH.
30. When necessary, for any reason, to set out a car containing mail at any point short of destination, take up with mail clerk in charge and ascertain whether or not there is any mail to be transferred before setting car out.
31. When a derailment occurs, the car or cars involved must be set out at first available point after rerailed, and held until car men sent to make inspection.
32. Trainmen will see that caboose windows are securely fastened and doors locked before leaving on arrival at terminals.
33. Montana State law provides that it is unlawful to block a public crossing for more than fifteen minutes; Idaho State law, ten minutes; and Washington State law, ten minutes.
34. When necessary to use a chain in handling a car with a bad order drawbar with a Diesel road engine, keep a car between the Diesel and the bad order car whenever possible to do so, in order to prevent bad order car damaging the Diesel.
35. **WHISTLE SIGNALS FOR INTERLOCKING ROUTES:**
- | | | |
|-----------------------------|---------|----------------|
| Westward main track | 2 long | 1 short |
| Eastward main track | 2 long | 2 short |
| Westward siding | 2 short | 1 long |
| Eastward siding | 2 short | 2 long |
| Single track | | 4 short |
| Other diverging track | 1 short | 1 long 1 short |

36. **EMERGENCY TELEPHONES.**

Between Blacktail and Nimrod:

Tunnel No. 1 west end	Booth
Curve No. 115 west end at Windy Point	Booth
Tunnel No. 1 ½ east end	Booth
Snowshed No. 7.....40 ft. from east end on center post.....	Steel Box
Snowshed No. 8.....40 ft. from east end on center post.....	Steel Box
Snowshed No. 9.....40 ft. from east end on center post.....	Steel Box
Curve No. 129 east end	Booth
Snowshed No. 10.....40 ft. from west end on center post.....	Steel Box

Snowshed No. 10.7.....40 ft. from west end on cent. post.....	Steel Box
Snowshed No. 11.....40 ft. from west end on center post.....	Steel Box
Curve No. 140 east end	Booth
Pinnacle, 1 ½ miles west of, 500 ft. west Tunnel No. 3.....	Booth
Belton, 3 ½ miles east of, east end Tunnel No. 3.8.....	Booth
Columbia Falls, 4 miles east of, 500 ft. east Tunnel No. 5.....	Booth
Whitefish, 3 miles west of, west end Curve	

292	Watchman's Cabin
Lupfer, 1 ½ miles east of, near center Curve	
305	Watchman's Cabin
Between Troy and Yakt	10 poles west MP 1341.
Between Yakt and Leonia	East portal Tunnel No. 8.
Between Leonia and Katka	13 poles east MP 1353.
	3 poles east MP 1356.
Between Katka and Crossport.....	West portal Tunnel No. 10.
	Curve 593, 2 miles east Cross-
	port.
Between Scotia and Camden.....	8 poles east Tunnel No. 11.

FIRST SUBDIVISION

(Main Line)

1. MAXIMUM PERMISSIBLE SPEED FOR TRAINS.

Between	Passenger	Freight
M.P. 967, Pacific Jct. and M.P. 1015, Beulow.....	70 MPH	50 MPH
M.P. 1015, Beulow and M.P. 1052, Four miles east of Dunkirk	65 MPH	45 MPH
M.P. 1052, Four miles east of Dunkirk and M.P. 1065, Shelby	70 MPH	50 MPH
M.P. 1065, Shelby and M.P. 1115, Blackfoot, Westward Track	65 MPH	50 MPH
M.P. 1115, Blackfoot and M.P. 1102, Two miles east of Ft. Piegan, Eastward Track.....	65 MPH	50 MPH
M.P. 1102, Two miles east of Ft. Piegan and M.P. 1096, Gunsight, Eastward Track.....	65 MPH	45 MPH
M.P. 1096, Gunsight and M.P. 1065, Shelby, Eastward Track	65 MPH	50 MPH

2. SPEED RESTRICTIONS.

Bridge No. 1042.3 to a point 1500 feet west, Galata.....	45 MPH
Between Blackfoot and Shelby, eastward trains on westward track	40 MPH
Bridge 68, Cut Bank	30 MPH
Between Home Signals of Interlocking at Shelby	20 MPH

3. TRAIN REGISTER EXCEPTIONS.

Shelby, all trains register by ticket, except Nos. 3, 4, 27, 28, Third class trains, and trains originating and terminating. Blackfoot, first class trains register by ticket. Register of regular trains at Havre will cover their arrival at Pacific Jct.

4. CLEARANCE PROVISIONS AND EXCEPTIONS, RULE 83 (B).

- (a) Havre, Kalispell Division clearance received at this point will clear train at Pacific Jct.
- (b) Pacific Jct., eastward Kalispell Division trains will not require clearance and may proceed to Havre with the current of traffic when signals indicate proceed.
- (c) Clearances received at Sweet Grass will clear eastward trains at Sweet Grass Line Jct.

5. RESTRICTED CLEARANCES.

Shelby, turnouts are located so close together at end of double track and crossover east thereof, also turnout at east end south 3 track and west end industry track that engines cannot safely operate on both turnouts at same time and movements of this kind are prohibited.

6. Shelby, Nos. 3 and 4 must proceed at restricted speed between end of Sixth Subdivision and passenger station and will use first track south of main track.
7. Blackfoot, outgoing crews on through freight trains will not move train until incoming conductor has informed them that inspection completed, unless incoming crew has already tied up.

8. **CROSSOVERS ON DOUBLE TRACK.**
Facing Point Trailing Point
Cut Bank Shelby, west crossover
Ethridge
Baltic
Sundance
Fort Piegan
Meriwether
9. **SPRING SWITCHES WITH FACING POINT LOCK.**
Gildford, East and west siding switch.
Buelow, East switch eastward siding.
West switch westward siding.
Tiber, East and west siding switch.
Dunkirk, East and west siding switch.
Shelby, East lead switch, west switch westward siding.
Cut Bank, East siding switch.
Normal position is for main track.
10. **DRAGGING EQUIPMENT DETECTOR INDICATORS.**
Westward, on signal:
1089.7, just west of Depot Cut Bank.
Eastward, on signal:
1092.0, one mile west of Cut Bank.
967.6, two miles east of Burnham.
11. **MANUAL INTERLOCKINGS WITH DUAL CONTROL SWITCHES.**
Shelby End of double track
Cut Bank End of double track, at east
and west end Bridge 68
Blackfoot End of double track
Switch at end of double track above points controlled by operator at depot.
12. **SEMI-AUTOMATIC INTERLOCKINGS.**
Pacific Junction Junction with Butte Division.
Interlocking operates automatically for all movements with the current of traffic and for westward Kalispell Division trains when running against the current of traffic, except for westward trains destined Great Falls with the current of traffic switches are controlled from depot, Havre. Switches must be operated by hand for other movements. See further instructions posted in box.
13. **SWITCH INDICATORS.**
Sweet Grass Line Jct., separate indicators are provided for eastward and westward main tracks. The member of the crew who is to line switches must first operate push button "R" for route desired and hold a few seconds. Both trainman and engineer must observe and be governed by the indicator before lining switches or fouling main track. Push buttons and instructions are in iron box locked with a switch lock.
4. Blackfoot, outgoing crews on through freight trains will not move train until incoming conductor has informed them that inspection completed, unless incoming crew has already tied up.
5. Summit, head brakeman on eastward freight trains arriving with helper engine to cut out at rear, will get off head end and station himself where he can hear whistle signal of helper engine. After helper engine is cut out and into clear on westward main track, helper engineer will signal the road engine to back up and make coupling on to rear of train by sounding three blasts of the whistle. Head brakeman, after hearing whistle signals from helper engine, will give hand signal to road engine to back up. Conductor or rear brakeman will remain on caboose until road engine coupled on to rear portion of train to guard against detached portion running back down grade after helper engine cut off. Eastward freight trains will make prescribed air test after coupling up train and helper engine cut out.
6. Summit, westward freight trains will pull rear end of train clear of end of double track to avoid delay to eastward trains.
7. Westward freight trains will stop engines just east of inspection point sign located 400 feet east of fouling point east end of Nimrod gantlet.
8. Essex, eastward freight trains will cut in helper where it can be cut out of train through crossover to westward main track when train engine is stopped clear of interlocking at end of double track, Summit.
9. Essex, freight trains cutting in helper engine will after pulling head end up, stop and make full application of brakes and leave applied until proceed signal received from helper engine. Helper engineers, after pulling up rear portion and coupling into train, will make full application on rear of train and will leave applied, then cut in air through train. Helper engineer will then close double heading cock before returning brake valve to running position. Helper engineer will then sound signal, Rule 14 (b) and train engine will release brakes. Prescribed air test must be made by train engine before starting, and speed of train departing must allow train crew to make full inspection and safely board train. When helping freight trains engineers will set brake pipe feed valves for 60 pounds.
10. **CROSSOVERS ON DOUBLE TRACK.**
Facing Point Trailing Point
Summit Nimrod
Blacktail Essex, east crossover
Singleshot Pinnacle
Essex, west crossover Columbia Falls, west crossover
Columbia Falls, east crossover Half Moon
11. **SPRING SWITCHES WITH FACING POINT LOCK.**
Glacier Park, east and west siding switch.
Normal position is for main track.
Red Eagle, end of double track, east switch eastward siding.
Normal position is for eastward main track.
Belton, east and west siding switch.
Normal position is for main track.
Brent, end of double track.
Normal position is for westward main track.
Whitefish, end of double track.
Normal position is for eastward main track.
West lead switch.
Normal position is for main track.

SECOND SUBDIVISION

(Main Line)

1. MAXIMUM PERMISSIBLE SPEED FOR TRAINS.

Between	Passenger	Freight
Blackfoot and Browning	65 MPH	45 MPH
Browning and Summit	45 MPH	35 MPH
Summit and Essex	45 MPH	25 MPH
Essex and Brent	45 MPH	30 MPH
Brent and Whitefish, both tracks	70 MPH	50 MPH

2. SPEED RESTRICTIONS.

Between Summit and Nimrod, westward trains on eastward track:

Passenger	30 MPH
Freight	20 MPH

Nimrod, through gantlet Bridge 116 20 MPH
Between Summit and Essex, engineers on helper engines moving light must so regulate speed that they can stop short of snow-slides, sluff-offs, or any obstruction on track.

3. TRAIN REGISTER EXCEPTIONS.

Blackfoot, first class trains register by ticket.
Register of regular trains at Whitefish will cover their arrival at Brent.

12. DRAGGING EQUIPMENT DETECTOR INDICATORS.

Westward, on signal:
1136.1, one mile east of Glacier Park.
Westward, on Mast:
East end Snowshed 4-C. One mile west of Blacktail.
1000 ft. west of M.P. 1190, 5 miles west of Red Eagle.
Westward, on signal:
1173.1, 3 1/2 miles west of Essex.
1203.9, at east siding switch Coram.
Eastward, on signal:
1205.6, one mile west of Coram.
Eastward, on Cable Post:
Opposite signal 1181.7, 3 1/2 miles east of Red Eagle.

Eastward, on signal:

1170.2, at West switch Essex.

Eastward, on Cable Post:

West end curve 54, one mile west of Glacier Park.

13. MANUAL INTERLOCKING WITH DUAL CONTROL SWITCHES.

Blackfoot End of double track.
Summit End of Double track.

East switch westward siding.

Switch at end of double track and westward siding above points controlled by operator at depot.

14. AUTOMATIC INTERLOCKINGS.

Nimrod Gantlet Bridge 116.
Red Eagle End of double track.
Brent End of double track.
Whitefish End of double track.

Nimrod:

Release for normal movements located at home signal on opposite end of gantlet.

Release for movements against the current of traffic located at governing signal.

Westward trains may hold interlocking for a period of six minutes by operating push button at westward home signal. Instructions for operation of release and cranks located in boxes locked with switch locks.

Trains and engines approaching interlocking holding instructions requiring them to wait to permit other trains or engines to move through gantlet will stop before passing "Approach Control Nimrod" sign for track they occupy and wait until their train rights permit them to proceed.

Red Eagle, Brent and Whitefish:

Interlockings operate automatically for all movements except from single track to double track against the current of traffic which requires hand operation of switches. Manual Controls and instructions for their operation are in iron box locked with a switch lock.

15. SWITCH INDICATORS.

Essex, indicators are provided for movements from westward siding to or across main tracks and separate indicators for eastward and westward main tracks. Member of crew who is to line switches must first operate push button "R" for route desired and hold few seconds. Both trainman and engineer must observe and be governed by indicator before lining switches or fouling main track. Push buttons and instructions are in iron box locked with switch lock.

THIRD SUBDIVISION

(Main Line)

1. MAXIMUM PERMISSIBLE SPEED FOR TRAINS.

Between	Passenger	Freight
Whitefish and Tunnel 5-A	55 MPH	40 MPH
Tunnel 5-A and Trego	55 MPH	50 MPH
Trego and Warland	55 MPH	40 MPH
Warland and Troy	55 MPH	35 MPH

2. SPEED RESTRICTIONS.

Eastward Freight Track between Tobacco and Fortine 30 MPH

3. TRAIN REGISTER EXCEPTIONS.

Troy, Nos. 1 and 2 register by ticket.

Register of regular trains at Troy will cover their arrival at Kootenai Falls.

4. Trego, do not spot cars within 300 feet of public crossing.

5. Track north of main track extending between Fortine and Tobacco is known as EASTWARD FREIGHT TRACK and must be used by eastward trains only, except first class and passenger extras unless otherwise instructed by train order.

Trains using this track will comply with Rule 99 and will display markers as though running against the current of traffic on double track.

When a train is given right over an opposing train to the end of EASTWARD FREIGHT TRACK at either Fortine or Tobacco and the opposing train has not arrived at the point last

named in the order, the train thus given right is not required to wait for the opposing train and will proceed on its regular track, but must not go beyond the other end of the EASTWARD FREIGHT TRACK unless the second named train has arrived or is directed by train order to do so, or when time table authority will permit movement beyond.

Crossover at Fortine located 7500 feet west of east switch is known as FORTINE CROSSOVER.

Crossover at Tobacco located 7500 feet east of west switch is known as TOBACCO CROSSOVER.

Normal position of crossover switches on EASTWARD FREIGHT TRACK is for through movement on that track.

6. Tobacco, short track south of main track will be known as No. 1 track, capacity 45 cars, and must be kept clear except when being used by trains. Normal position industry track switches for No. 1 track.

7. Troy, outgoing crews on through freight trains will not move train until incoming conductor has informed them that inspection completed, unless incoming crew has already tied up.

8. Troy, under Rule 204 (A), conductor instead of operator will deliver orders to rear trainman.

9. CROSSOVERS ON DOUBLE TRACK.

Facing Point

None

Trailing Point

Troy

10. SPRING SWITCHES WITH FACING POINT LOCK.

Whitefish, west lead switch.

Vista, east and west siding switch.

Lupfer, east and west siding switch.

Radnor, east and west siding switch.

Stryker, east and west siding switch.

Trego, east and west siding switch.

Fortine, east switch eastward freight track.

Eureka, east and west siding switch.

Rexford, east and west siding switch.

Stonehill, east and west siding switch.

Ural, east and west siding switch.

Volcour, east siding switch.

Yarnell, east and west siding switch.

Ripley, east and west siding switch.

Libby, west siding switch.

Normal position is for main track.

Troy, end of double track.

Normal position is for eastward main track.

Troy, east end of south yard track.

Normal position is for main track.

11. DRAGGING EQUIPMENT DETECTOR INDICATORS.

WESTWARD, on CABLE POST:

East end curve 369, four miles East of Rexford.

WESTWARD, on SIGNAL:

1334.1, one mile east of Libby.

EASTWARD, on SIGNAL:

1338.0, At west switch at Libby.

1277.8, Two miles east of Rexford.

12. AUTOMATIC INTERLOCKING.

Troy, end of double track, normal position is for eastward main track.

Interlockings operate automatically for all movements except from single track to double track against the current of traffic which requires hand operation of switches.

Manual controls and instructions for their operation are in iron box locked with a switch lock.

13. MANUAL INTERLOCKINGS WITH DUAL CONTROL SWITCHES.

Tobacco West switch Eastward Freight Track.

Kootenai Falls End of double track.

Tobacco, switch is controlled by operator at Eureka.

Kootenai Falls, switch is controlled by operator at Libby.

14. SWITCH INDICATORS.

Fortine, eastward trains on Eastward Freight Track which must wait for main line trains to pass before their train rights permit them to proceed to main track will stop before passing sign "WAIT HERE" in order not to interfere with train movements on main track. See further instructions posted in iron box.

FOURTH SUBDIVISION

(Main Line)

1. **MAXIMUM PERMISSIBLE SPEED FOR TRAINS.**

Between	Passenger	Freight
Troy and Crossport	55 MPH	30 MPH
Crossport and Elmira	60 MPH	40 MPH
Elmira and Colburn	60 MPH	50 MPH
Colburn and Chattaroy	60 MPH	40 MPH
Chattaroy and Hillyard	60 MPH	50 MPH
2. **SPEED RESTRICTIONS.**

Priest River, Bridge 244, R class engines 20 MPH
 Between Albeni Falls Spur and Diamond Match Mill..... 10 MPH
 Mead, over switches and frogs on curves Aluminum Plant 3 MPH
3. **TRAIN REGISTER EXCEPTIONS.**

Hillyard, First class trains and passenger extras register by ticket.
 Troy, Nos. 1 and 2 register by ticket.
 Register of regular trains at Hillyard will cover their arrival at Dean.
4. **CLEARANCE PROVISIONS AND EXCEPTIONS RULE 83(B).**

Kalispell Division Clearance received at Spokane by eastward First Class trains and Passenger Extras will clear such trains at Hillyard, when train order signal indicates Proceed.
5. Troy, outgoing crews on through freight trains will not move train until incoming conductor has informed them that inspection completed, unless incoming crew has already tied up.
6. Troy, under Rule 204 (A), conductor instead of operator will deliver orders to rear trainman.
7. Dean, normal position of junction switch, Spokane Division, Fifth Subdivision, is for Kalispell Division main track.
8. **CROSSOVERS ON DOUBLE TRACK.**

Trailing Point
 Troy
 Davies Spur, 1.9 miles east Mead
 Mead
9. **SPRING SWITCHES WITH FACING POINT LOCK.**

Troy, end of double track.
 Normal position is for eastward main track.
 Troy, east end of south yard track.
 Normal position is for main track.
 Yakt, east and west siding switch.
 Leonia, east and west siding switch.
 Crossport, east and west siding switch.
 Bonners Ferry, west switch eastward siding.
 Elmira, east and west siding switch.
 Naples, east and west siding switch.
 Colburn, east and west siding switch.
 Laclede, east and west siding switch.
 Newport, west switch eastward siding.
 Scotia, east and west siding switch.
 Camden, east and west siding switch.
 Milan, east and west siding switch.
 Normal position is for main track.
 Dean, end of double track.
 Normal position is for westward main track.
 Hillyard, east end yard, junction switch of the two yard leads located just west of Safety switch.
 Normal position is for west yard lead.
10. **DRAGGING EQUIPMENT DETECTOR INDICATORS.**

Westward, on signal:
 1346.3, approximately two miles west Yakt.
 1355.9, approximately four miles west Leonia.
 Westward, on cable post:
 Opposite signal 1422.6, approximately 4000 ft. east of Bridge 244.
 Westward, on signal:
 1427.3, approximately one mile east of Bridge 249.
 1437.5, approximately two miles west Penrith.
 Eastward, on signal:
 1454.6, just west of Milan.

Eastward, on cable post:
 1200 ft. west of signal 1429.0, one mile west of Bridge 249.
 Eastward, on signal:
 1424.8, approximately one mile west of Bridge 244.
 Eastward, on cable post:
 4000 ft. west of Tunnel 10.2, three miles east of Naples.
 Eastward, on signal:
 1352.2, five miles east of Katka.
 1344.0, just west of Yakt.

11. MANUAL INTERLOCKING WITH DUAL CONTROL SWITCHES.

HillyardEnd of double track east and west end of yard.
 Interlocking includes interlocked switches at east end of yard (end of double track, yard lead, and safety switch); at west end of yard (end of double track, yard lead and spike yard lead) and the single main track between them electrically controlled by operator at depot.
 The "home signal limits" (Rule 605) of this interlocking for train and engine movements on main track extend from the westward home signals at east end of yard to eastward home signals at west end of yard.
 Trains and engines receiving a proceed indication of the governing home signal will proceed, regardless of class, in accordance with Rule 605, observing all governing signal indications.

Instructions for operation of Electric locks and Releases posted in iron boxes locked with switch lock.

12. AUTOMATIC INTERLOCKINGS.

Troy, end of double track, normal position is for eastward main track.

Interlockings operate automatically for all movements except from single track to double track against the current of traffic which requires hand operation of switches. Manual controls and instructions for their operation are in iron box locked with a switch lock.

DeanEnd of double track.
 Interlockings operate automatically for all movements except from single track to double track against the current of traffic which requires hand operation of switches.
 Push buttons and instructions for their operation are in iron box locked with a switch lock.

13. SWITCH INDICATORS.

ALBENI FALLS SPUR: Indicator for movements from spur track to main track.

MEAD, at both ends of siding.

The member of the crew who is to line switch must first operate Switch-Key-Controller clockwise towards "R" and hold a few seconds before removing key. Both Trainman and Engineer must observe and be governed by the indication before lining switch or fouling main track. If yellow light is displayed and intended movement is not made, insert key in controller and turn counter clockwise toward "N" to restore signal system to normal condition to avoid delay to trains on main track. Switch-Key-Controller must NEVER be operated towards "N" after having been operated towards "R" if intended movement to main track is to be made.

Dean, indicator for movements from Spokane Division Fifth Subdivision to Kalispell Division Fourth Subdivision.

The member of crew who is to line the switches must first operate push button "R" for route desired and hold few seconds. Both trainman and engineer must observe and be governed by indicator before lining switches or fouling main track. Push button and instructions in iron box locked with a switch lock.

FIFTH SUBDIVISION

(Kalispell Line)

1. MAXIMUM PERMISSIBLE SPEED FOR TRAINS.

Between	Passenger	Freight
Columbia Falls and MP 1221—		
One Mile East Rose Crossing	40 MPH	30 MPH
MP 1221 one mile East Rose Crossing and		
Kalispell	30 MPH	20 MPH

2. SPEED RESTRICTIONS.

Bridges 145 and 146, Kalispell 10 MPH
 Kalispell, all trains over main street crossing..... 5 MPH

3. ENGINE RESTRICTIONS.

Engines heavier than H-4 prohibited.

SIXTH SUBDIVISION

(K. V. Line)

1. MAXIMUM PERMISSIBLE SPEED FOR TRAINS.

Between
 Bonners Ferry and Port Hill, all trains.....10 MPH

2. ENGINE RESTRICTIONS.

Engines heavier than G-3 and G-4, or engines having axle load
 over 45,000 pounds prohibited.
 Engines heavier than H-4Prohibited

**3. Bonners Ferry, normal position of junction switch, Sixth Sub-
 division, is for eastward siding.****SEVENTH SUBDIVISION**

(Somers Line)

1. MAXIMUM PERMISSIBLE SPEED FOR TRAINS.

Between
 Somers and Hubbard, all trains15 MPH

2. ENGINE RESTRICTIONS.

Engines heavier than F-8 prohibited.

EIGHTH SUBDIVISION

(Sweet Grass Line)

1. MAXIMUM PERMISSIBLE SPEED FOR TRAINS.

Between Passenger Freight
 Sweet Grass Line Jct. and Sweet Grass.....35 MPH 20 MPH

2. SPEED RESTRICTIONS.

Sweet Grass Line Jct. to Sweet Grass,
 steam engines backing up15 MPH

3. ENGINE RESTRICTIONS.

Engines not permitted on business tracks 1 and 2 of Ohio Oil
 Company, 1.03 miles east of Sunburst.

4. CLEARANCE PROVISIONS AND EXCEPTIONS RULE 83(B).

Clearance received at Shelby will clear westward trains at Sweet
 Grass Line Jct.

5. SWITCH INDICATORS.

Sweet Grass Line Jct., separate indicators are provided for east-
 ward and westward main tracks.

Push buttons and instructions for their operation are in the iron
 box locked with a switch lock. The member of the crew who
 is to line switches must first operate push button "R" for route
 desired and hold few seconds. Both trainman and engineer must
 observe and be governed by the indicator before lining switch
 or fouling main track.

WATCH INSPECTORS

Blacks Jewelry Store Havre
 Stull's Jewelry Shelby
 Franklin P. Wheeler Kalispell
 Leon Reed Jewelry Store Whitefish
 R. C. Wickstrom Jewelry Store Bonners Ferry
 Benson and Roush Newport
 H. H. Trowbridge Jewelry Store Spokane (Hillyard)
 H. J. March Spokane
 Nelson Jewelry Company Spokane

Helper crews at Essex compare time at depot, Essex.

Log local crews may compare time at depot, Troy.

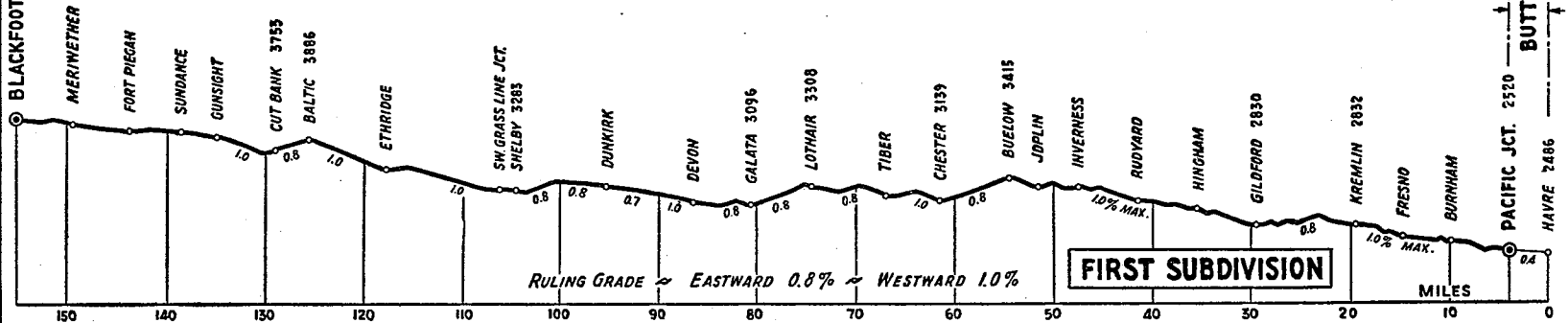
SPEED TABLE

Time Min.	Per Mile Sec.	Miles Per Hour	Time Min.	Per Mile Sec.	Miles Per Hour
	40	90.0	1	12	50.0
	41	87.8	1	14	48.6
	42	85.7	1	16	47.4
	43	83.7	1	18	46.1
	44	81.8	1	20	45.0
	45	80.0	1	22	43.9
	46	78.3	1	24	42.9
	47	76.6	1	26	41.9
	48	75.0	1	28	40.9
	49	73.5	1	30	40.0
	50	72.0	1	33	38.7
	51	70.6	1	36	37.5
	52	69.2	1	39	36.4
	53	67.9	1	42	35.3
	54	66.6	1	45	34.3
	55	65.4	1	50	32.7
	56	64.2	1	55	31.3
	57	63.1	2	—	30.0
	58	62.0	2	10	27.7
	59	61.0	2	20	25.7
1	0	60.0	2	30	24.0
1	1	59.0	2	40	22.5
1	2	58.0	3	—	20.0
1	3	57.1	3	30	17.1
1	4	56.2	4	—	15.0
1	5	55.3	5	—	12.0
1	6	54.5	6	—	10.0
1	7	53.7	7	—	8.5
1	8	52.9	8	—	7.5
1	9	52.1	9	—	6.7
1	10	51.4	10	—	6.0

BUSINESS TRACKS NOT SHOWN AS STATIONS ON TIME TABLE.

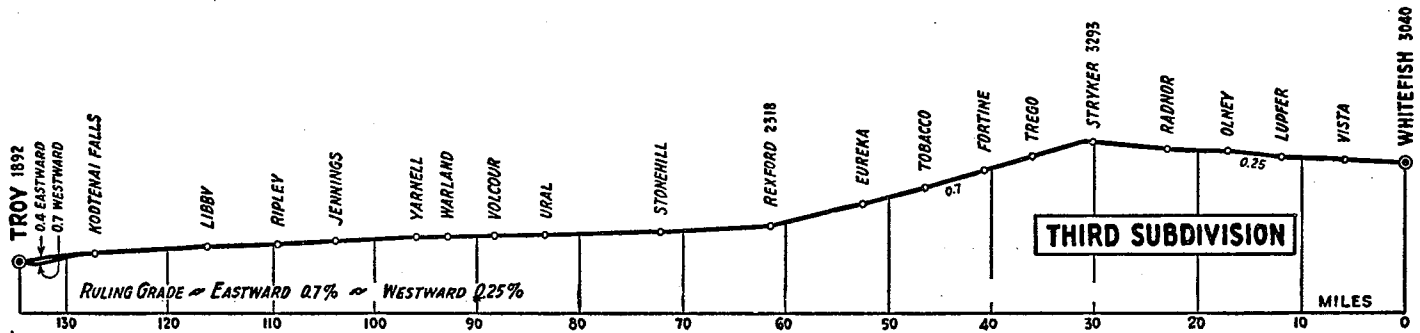
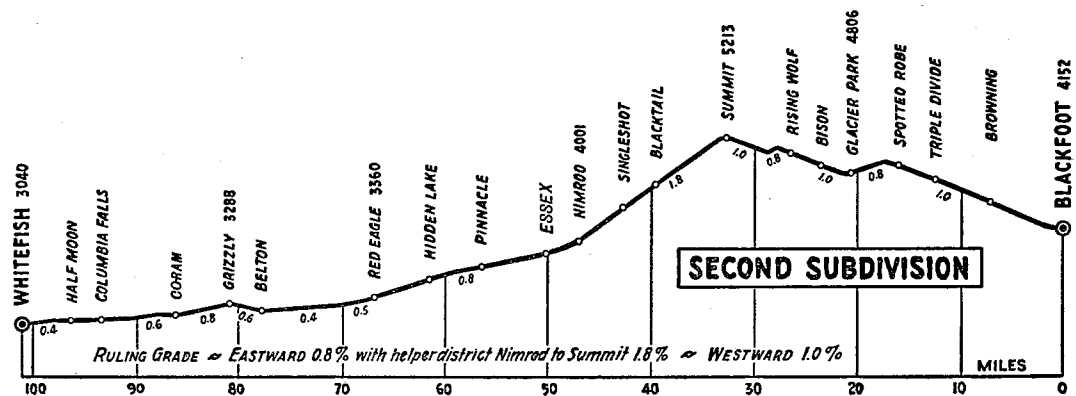
Name	Location	Car Capacity	Switch Opens
1st Subdivision			
Montana Power Spur (Three Tracks)	4.50 miles east Cut Bank	8-10-14	East End
O'Neill Spur	1.50 miles west Cut Bank	24	East End
2nd Subdivision			
Essex Pit	1.85 miles west Essex	50	East End ww track
Tie Spur	1.38 miles east Coram	10	East End
Brent Pit	500 feet west Brent	35	West End
3rd Subdivision			
Warland Pit (Five Tracks)	2.1 miles west Warland	148	Both Ends
Zonolite Spur	4.5 miles east Libby (MP 1831)	49	Both Ends
4th Subdivision			
Bonnars Ferry Lbr. Co. Spur	0.75 miles east Bonners Ferry	36	West End
Brown Timber Co. Spur	0.6 miles east Colburn	20	West End
Emerson Spur	0.7 miles east Colburn	65	West End
Albeni Falls Spur	2.7 miles east Newport	22	East End
Davies Spur	1.9 miles east Mead	34	East End
5th Subdivision			
Union Natural Gas Co. Spur	0.7 miles west Columbia Falls	4	West End
Rocky Mountain Lbr. Co. Spur	1.0 miles west Columbia Falls	6	East End
Harvey Machine Co. Spur	3.0 miles west LaSalle	20	West End
Montana Saw Service Co. Spur	1.0 miles west Rose Crossing	8	East End
Northwestern Lbr. Co. Spur	1.5 miles east Kalispell	63	East End
Yale Oil Co. Spur	1.3 miles east Kalispell	9	East End
6th Subdivision			
Allen's Spur	4.8 miles east Bonners Ferry	6	East End
Watson's Spur	11.2 miles east Bonners Ferry	2	West End
DeVoignes Spur	12.8 miles east Bonners Ferry	4	East End
Camp 5 Spur	13.6 miles east Bonners Ferry	11	Both Ends
Seelover's Spur	14.9 miles east Bonners Ferry	2	East End
Dehlbom Spur	17.1 miles east Bonners Ferry	4	West End
Edward's Spur	18.1 miles east Bonners Ferry	8	West End
Camp 8	19.2 miles east Bonners Ferry	18	Both Ends
Harper's Spur	21.5 miles east Bonners Ferry	4	West End
Houck's Spur	21.8 miles east Bonners Ferry	2	West End
K. V. Farm Spur	24.2 miles east Bonners Ferry	5	West End
7th Subdivision			
Northwest Timber Co. Spur	1560 feet west Balls Crossing	9	East End
Mills Lbr. Co. Spur	2200 feet east of East Wye Switch Kalispell	3	West End
Batavia Spur	4.8 miles west Kalispell	8	East End
Kila Ore Spur	1.0 mile west Kila	15	East End
Giroux Spur	1.6 miles west Kila	8	East End
Erickson Bros. Spur	1000 feet west Balls Crossing	4	West End
Duffy Spur	0.75 miles west Balls Crossing	8	West End
8th Subdivision			
Aronow Spur	2.00 miles west of Kevin	3	East End
Superior Spur	4.00 miles west of Kevin	2	East End
Ohio Oil Co.	1.03 miles east of Sunburst	46	Both Ends
International Refining Co.	0.61 miles east of Sunburst	99	Both Ends

BLACKFOOT 4152

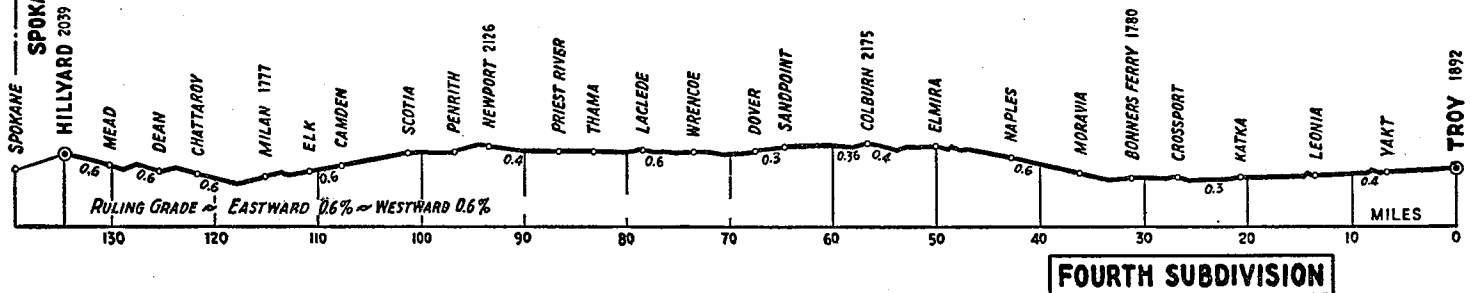


BUTTE DIV.

Elevation175



SPOKANE DIV.



KALISPELL DIVISION

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