

TIME IS IMPORTANT
Take TIME to be SAFE

TRAINMASTERS

GERALD FOSTINE Santa Rosa
H. R. RUTLER..... Willits
H. B. FOWLER Eureka

ASSISTANT TRAINMASTERS

J. R. STREET..... San Rafael
E. E. SHIPLEY Petaluma
J. D. LEWIS..... Willits
M. P. FORD..... Eureka
R. E. RUEGAMER..... Eureka

ROAD FOREMAN OF ENGINES

H. E. JAMIESON..... Eureka

CHIEF TRAIN DISPATCHER

P. NOVAGLIA..... San Rafael

NORTHWESTERN PACIFIC
RAILROAD COMPANY



TIMETABLE

47

EFFECTIVE SUNDAY, APRIL 29, 1962

AT 12:01 A. M.

PACIFIC STANDARD TIME

FOR GOVERNMENT AND INFORMATION
OF EMPLOYEES ONLY

G. L. MORRISON,
Vice President and General Manager.

S. J. MACKIE,
Superintendent.

SOUTHERN DIVISION—SANTA ROSA SUBDIVISION

EASTWARD		WESTWARD		
Timetable No. 47		SECOND CLASS		
April 29, 1962				
SCHELLVILLE BRANCH				
STATIONS				
SIDING CAPACITIES AND FACILITIES				
Mile Post Location	Station Number	Distance from Ignacio	81 Freight	85 Freight
Arrive Daily	Arrive Daily			
Leave Daily	Leave Daily			
44.8	R Yd. Limits SONOMA BDP 620	19.9	AM 5.05	PM 8.05
40.4	TO-R Yd. Limits SCHELLVILLE BKYP 616	15.5		
30.8	RECLAMATION 606	5.9		
28.5	BLACK POINT IP 604	3.8		
24.9	68 Yd Limits IGNACIO YP 22 19.9	0.0	4.15 AM	7.15 PM
			81	85

EASTWARD		WESTWARD				
Timetable No. 47		ADDITIONAL STATIONS				
April 29, 1962						
SAUSALITO BRANCH						
STATIONS						
SIDING CAPACITIES AND FACILITIES						
Mile Post Location	Station Number	Distance from Detour	Capacity and Direction of Entry into Spurs	Mile Post	NAME	Station No.
7.1	TO SAUSALITO BP 305	7.2	7W	11.4	Meadowsweet..... (Spur)	10
9.9	ALMONTE 308	4.4	8W	14.9	Greenbrae..... (Spur)	12
12.8	CORTE MADERA 311	1.7	18W	23.8	Hamilton Field.... (Spur)	21
13.0	BALTIMORE PARK 312	1.3	50E	36.7	Haystack..... (Spur)	34
14.3	DETOUR P 11 7.2	0.0	20W	37.1	McNear..... (Spur)	35
				39.2	Park Siding.....	37
				41.0	Crown..... (Spur)	38
				43.3	Penn Grove..... (Spur)	40
				48.7	Wilfred..... (Spur)	46
				50.7	Todd..... (Spur)	48
				61.0	Shiloh..... (Spur)	58
				62.9	Windsor.....	60
				66.4	Grant..... (Spur)	63
				67.2	Bailhache.....	64
				69.0	Finlayson..... (Spur)	66
				69.1	Oliveto.....	66
				71.9	Lytton.....	69
				73.9	Nervo..... (Spur)	71
				77.0	Omus..... (Spur)	75
				78.8	Chianti..... (Spur)	76
				82.7	Icaria..... (Spur)	79
				87.1	Preston.....	84
				113.1	Asylum..... (Spur)	110
				115.8	Presswood.....	113
				117.0	Norlake..... (Spur)	114
				118.0	Pomo.....	115
				120.0	Calpella.....	117
				124.0	Laughlin..... (Spur)	121
					Schellville Branch	
				42.3	Vineburg..... (Spur)	618
				43.8	Stando.....	619
				44.2	Sebastiani..... (Spur)	619
					Sausalito Branch	
				8.4	Waldo..... (Spur)	306
				11.0	Mill Valley..... (Spur)	309

SOUTHERN DIVISION—SANTA ROSA SUBDIVISION

Mile Post Location	EASTWARD	Timetable No. 47		Station Number	Distance from Willits	WESTWARD			
		April 29, 1962				SECOND CLASS			
		STATIONS				81	85		
		SIDING CAPACITIES AND FACILITIES				Freight	Freight		
						Arrive Daily	Arrive Daily		
6.5	R	Yard Limits	TIBURON BDTP	5	131.4				
12.7 14.3			DETOUR P	11	125.2				
17.0	90 TO-R		SAN RAFAEL BDKYP	14	122.5	Via Black Point	Via Black Point		
24.9	68 Yd Lmts		IGNACIO YP	22	114.6	AM	PM		
27.8			NOVATO P	25	111.7	4.15	7.15		
31.3	120		BURDELL P	28	108.2	4.10	7.10		
38.5	85 Yd Lmts TO		PETALUMA KIP	36	101.0	4.05	7.05		
46.1	106		COTATI P	43	93.4	3.49	6.49		
53.8	E122 Yd W104 Lmts TO-R		SANTA ROSA BDKYP	51	85.7	3.36	6.36		
58.5	52		FULTON P	55	81.0	3.25	6.25		
68.0	75 Yd Lmts TO-R		HEALDSBURG BKTP	65	71.5	3.15	6.15		
75.8	125 Yd Lmts		GEYSERVILLE P	73	63.7	3.03	6.03		
81.3	36		ASTI P	78	58.2	2.48	5.48		
85.2	58 Yd Lmts TO		CLOVERDALE P	82	54.3	2.39	5.39		
100.1	85		HOPLAND P	97	39.4	2.34	5.34		
114.0	91 Yd Lmts TO-R		UKIAH BKP	111	25.5	2.01	5.01		
122.1	125 Yd Lmts		REDWOOD VALLEY P	119	17.4	1.33	4.33		
131.4	22 Yd Lmts		RIDGE P	128	8.1	1.20	4.20		
139.5	Yd Lmts TO-R		WILLITS BKDTYP	136	0.0	12.35	3.35		
			(131.4)			12.01 AM	3.00 PM		
						Leave Daily	Leave Daily		
						81	85		

RULE 5. Time at Ignacio for trains to and from the Schellville Branch via Novato, applies at the east switch of the wye on the Santa Rosa line.

NORTHERN DIVISION—SOUTH FORK SUBDIVISION

EASTWARD			WESTWARD									
FIRST CLASS			FIRST CLASS					SECOND CLASS				
4	Redwood	Mile Post Location	Timetable No. 47			Station Number	Distance from Eureka	3	75	77		
			April 29, 1962					Redwood	Freight	Freight		
PM 1.45	139.5		STATIONS			Arrive Sun., Wed. and Fri.	Arrive Daily	Arrive Daily				
SIDING CAPACITIES AND FACILITIES						PM 2.37	AM 5.40	PM 3.15				
f 1.54	143.7	54	Yd Lmts TO-R	WILLITS	BKDTYP	136	144.6	s 2.37				
f 2.15	152.5	125		OUTLET	P	141	140.4	f 2.26	5.31	3.06		
f 2.29	158.1	44		LONGVALE	P	149	131.8	f 2.05	5.07	2.43		
s 2.51	168.5	18		FARLEY	P	155	128.0	f 1.51	4.53	2.29		
f 3.13	175.5	21	TO	DOS RIOS	P	163	117.8	s 1.28	4.31	2.07		
f 3.24	180.0	81		NASHMEAD	P	172	108.8	f 1.07	4.09	1.45		
f 3.36	184.3	54		SPYROCK	P	177	104.1	f 12.55	3.58	1.34		
f 3.48	189.3	24		BELL SPRINGS	P	181	99.8	f 12.44	3.47	1.23		
s 4.03	194.5	75	Yd Lmts TO	RAMSEY	P	186	94.8	f 12.31				
f 4.18	200.3	31		ISLAND MOUNTAIN	DP	191	89.8	s 12.18	3.20	12.56		
s 4.41	209.0	54		KEKAWAKA	P	197	83.8	f 12.02 PM	3.03	12.39		
f 5.01	216.8	90	Yd Lmts TO-R	ALDERPOINT	P	206	75.1	s 11.40 AM	2.41	12.17 PM		
f 5.20	225.1	92		FORT SEWARD	BKP	214	67.5	s 11.21	2.23	11.59 AM		
f 5.36	232.2	53		EEL ROCK	P	222	59.0	f 11.01	2.04	11.39		
s 5.48	237.3	73	Yd Lmts TO	McCANN	P	229	51.9	f 10.44	1.48	11.23		
5.56	241.7	52		SOUTH FORK	KYP	234	48.8	s 10.35	1.39	11.14		
f 6.03	245.6	75		LARABEE	P	239	42.4	10.24	1.29	11.03		
f 6.12	250.1	75		SHIVELY	P	243	38.5	f 10.17	1.21	10.55		
s 6.24	255.6	75	Yd Lmts TO-R	ELINOR	P	247	34.0	f 10.08				
f 6.41	262.7	28	Yd Lmts R	SCOTIA	BKP	253	28.5	s 9.59	1.01	10.35		
6.44	264.5	75		ALTON	P	260	21.4	f 9.43	12.44	10.18		
f 6.47	268.1	19		ROHNERVILLE	P	261	19.8	9.39	12.40	10.14		
f 6.51	268.7	36		FORTUNA	P	263	18.0	s 9.37	12.37	10.11		
f 6.54	271.0	10		FERNBRIDGE		266	15.4	f 9.31	12.32	10.06		
7.04	277.8	75		LOLETA	P	268	13.1	f 9.28	12.28	10.02		
7 10	282.0	75		SOUTH BAY	P	275	6.3	9.18	12.16	9.50		
s 7.20 PM	284.1	75	Yd Lmts TO-R	BUCKSPORT	P	279	2.1					
Arrive Mon., Thurs. and Sat.				EUREKA	BKDTYP	281	0.0	9.05 AM	12.05 AM	9.40 AM		
				(144.6)				Leave Sun., Wed. and Fri.	Leave Daily	Leave Daily		
4								3	75	77		

RULE 5. Time at Willits for No. 3 and No. 4 will apply at the east switch of the coach track.

Time at Eureka for No. 75 and No. 77 will apply at the west switch to train yard, MP 282.1.

RULE 93. No. 3 and No. 4 will use coach and house track at Willits.

RULE 505. Automatic Block Signals from east switch Island Mountain through Tunnel 27.

NORTHERN DIVISION—SOUTH FORK SUBDIVISION

EAST- WARD	Timetable No. 47			WEST- WARD
Mile Post Location	April 29, 1962			Distance from Korblex
	KORBLEX BRANCH			
	STATIONS			
	SIDING CAPACITIES AND FACILITIES			
284.1	TO-R	EUREKA BKDTYP	281	11.1
292.5	20 Yard Limits	ARCATA BKY	808	2.7
295.2		KORBLEX 11.1	811	0.0

EAST- WARD	Timetable No. 47			WEST- WARD
Mile Post Location	April 29, 1962			Distance from Samoa
	SAMOA BRANCH			
	STATIONS			
	SIDING CAPACITIES AND FACILITIES			
292.5	20 Yard Limits	ARCATA BKY	808	8.0
300.5		SAMOA 8.0	908	0.0

EAST- WARD	Timetable No. 47			WEST- WARD
Mile Post Location	April 29, 1962			Distance from Carlotta
	CARLOTTA BRANCH			
	STATIONS			
	SIDING CAPACITIES AND FACILITIES			
262.7	28 Yd Lmts R	ALTON P	260	5.0
267.7	Yd Lmts	CARLOTTA 5.0	705	0.0

ADDITIONAL STATIONS			
Capacity and Direction of Entry Into Spurs	Mile Post	NAME	Station No.
..	169.0	Deer Lodge.....	165
2W P	171.1	*Woodman.....(Spur)	168
..	174.4	*Camp Rest.....	171
11E	195.7	Quarry Spur.....(Spur)	...
8E	201.0	*MP 201.....(Spur)	...
15E P	205.5	Cain Rock.....(Spur)	202
12W	228.3	Tanoak.....(Spur)	225
..	233.4	Camp Grant.....	232
.. P	238.4	Perrott Creek.....	236
..	242.4	*Larabee Ranch.....	240
..	253.8	Glynn.....	251
.. P	256.1	Yoder.....	254
4W	257.0	Nanning Creek....(Spur)	255
19W P	259.0	*Stone.....(Spur)	256
27E	268.2	Worswick.....(Spur)	265
..	273.9	Beatrice.....	271
3W	275.0	Zerus.....(Spur)	272
Korblex Branch			
23W	287.5	Brainard.....(Spur)	804
10W	289.2	Bracut.....(Spur)	805
..	291.0	Gannon.....	807
Samoa Branch			
..	297.5	Manila.....	905

*Flag stop for Nos. 3 and 4.

RULE 5. At Carlotta, time applies at switch leading to The Pacific Lumber Co. Yager creek spur near MP 267.3. Bell Springs and Whitlow Post Office, MP 229.94, are mail and express stops for Trains Nos. 3 and 4.

SPECIAL INSTRUCTIONS—ALL DIVISIONS

RULE A. Employees must know they have in their possession copy of Rules and Regulations of the Transportation Department effective July 1, 1960, page revisions listed on Page 1 revised April 1, 1961.

RULE M. Employees are warned that it is dangerous to ride on top or side of cars while passing points where impaired clearance exists, and that they must protect themselves from injury. See list of impaired clearances on main track, sidings and spurs.

There are numerous other structures with impaired clearance on yard and station tracks on the divisions, and employees must be familiar with their location and avoid personal injury.

RULE 6-A. The following symbols when placed at right of Station name indicate:

B.....bulletin station.
K.....standard clock.
W.....water station.
D.....diesel fuel station.
O.....fuel oil station.
I.....interlocking.
T.....turntable.
Y.....wye or turning track.
P.....telephone.

RULES 10-G, 10-H and 10-I. When unattended red flags or red lights, yellow signals, red CONDITIONAL STOP signs and yellow PROCEED PREPARED TO STOP signs are displayed between siding switches, they must be duplicated to the right of the siding in direction of approach. If clearance between siding and main track does not permit display of these signals to the right of the siding in direction of approach, signals may be displayed to the left of the siding. Display of these signals to the left of a siding in direction of approach must be respected as though they were displayed in accordance with these rules.

RULE S-72. Westward trains are superior to trains of the same class in the opposite direction.

RULE 105. Capacity of sidings column indicates the number of cars of average length of 49 feet that siding will hold between fouling points, in addition to one engine and caboose.

When length of train and/or capacity of siding permits, trains taking siding after clearing main track will provide not less than 400 feet additional clearance to fouling points.

RULE 206. Second paragraph will not apply to Southern Pacific engines.

GENERAL REGULATIONS

RULE 808. In case of grade crossing accident it is permissible for crew members on request of law enforcement officers to furnish their names, occupations and addresses; identification of the train; direction and approximate speed of the train; confirmation that the whistle, bell and headlight or headlights were operating; and direction of the vehicle. Signed statements are not to be given. Should police officers desire any additional information they should be courteously referred to Claims Department representative.

RULE 811. The crew must eat as a unit, and conductor will notify train dispatcher in advance where they intend to do so.

RULE 827. On freight trains a member of the crew must frequently observe track to rear of train for evidence of derailment or any other condition requiring immediate stopping of train.

RULE 836. When necessary to shove cars ahead of engine between stations on descending grade, cars must be chained to the engine unless air brakes are operative on all cars and air cut in.

MISCELLANEOUS

Helper engines must not be placed behind wooden underframe cars or wooden underframe cabooses.

Engines weighing more than 330,000 lbs. must not be placed behind steel underframe cabooses.

Not more than one helper engine will be placed behind steel underframe cabooses.

Should a passenger train, irrespective of the type of power being used, be stopped in a tunnel, air conditioned cars within the tunnel must immediately have the air conditioning systems, including ice engines and engine generators, shut off, fresh air intake shutters closed, and blower fans shut off.

Should a train be stopped with the engine in a tunnel and it is found that, in the case of a passenger train it cannot be moved within five minutes after stopping, and in case of a freight train it cannot be moved within a reasonable length of time, trainmen and enginemen must take necessary precautions to prevent movement. Independent brake and sufficient hand brakes must be immediately applied. Engine wheels must be secured by blocks and chains, and power plants and steam generators, if any, on engine shut down.

MAXIMUM CAR LOADINGS

Load limit (car and contents) must not exceed 230,000 pounds except load limit at Carlotta on Georgia-Pacific Co. industry track and on wharves Samoa Yard must not exceed 169,000 pounds.

Unless authorized by chief train dispatcher, heavier loads must not be handled.

NWP MW-42, relief crane, weighs 230,840 pounds.

NWP MW-43, relief crane, weighs 222,700 pounds.

SPEED RESTRICTIONS FOR ENGINES: Maximum speed shown below is subject to further restrictions applicable to certain territories as shown in Speed Restrictions for Trains:

NOMINAL CLASS	RUNNING FORWARD		RUNNING BACKWARD WITH TRAIN OR LIGHT
	WITH TRAIN	LIGHT	
DF-114, 117 with 62/15 gear ratio trucks.....	65	65	##65
DF-114, 117 with 65/12 gear ratio trucks.....	55	55	##55
DF-118, 120.....	70	70	##70
DF-200 to 204.....	55	55	##55
DF-300 to 306.....	65	65	##65
DS-1, 4, 5.....	45	45	45
DS-101.....	60	60	##60
DS-200 to 201.....	35	35	35

##When operated in multiple unit control with engineer in other than lead unit in direction of movement must not exceed 30 MPH.

OTHER SPEED RESTRICTIONS

Logs loaded on flat or logging cars, except:..... 35 MPH

On curves..... 25 MPH

On truss bridges, through tunnels and passing stations..... 15 MPH

Trains handling relief cranes NWP MW-42 or NWP MW-43 must not exceed 35 MPH.

Trains handling steam shovels, ditchers, cranes, except NWP MW-42 and NWP MW-43, pile drivers and derricks on own wheels must not exceed 25 MPH.

Facing point movements over spring switches must not exceed 35 MPH for passenger trains and 30 MPH for freight trains.

Dead or disabled engines, and equipment listed in timetable which requires movement at reduced speed must first be reported as ready to move to the chief train dispatcher, who will designate the train in which the engine or equipment is to be moved. Any such engine must not be handled in train until train order designating maximum speed is issued.

Maximum speed of trains handling dead SPCo. engines is the speed shown for same engine running forward light, except DS-200, 201 class must have traction motor brushes removed and speed restricted to 30 MPH.

Dead engines hauled in train and weighing 150,000 pounds or more must be placed first behind the engine handling the train. If weight is less than 150,000 pounds, dead engines must be placed near rear of train.

Trains handling Scale Test Cars must not exceed 40 MPH on main track other than Branches and 30 MPH on main track on Branches.

AIR BRAKE RULE

RULE 2-B. Not more than two units (3000 HP) of dynamic braking may be used when handling freight trains with DF-114, 116 to 118, 120 class engines except in territory Ridge to Redwood Valley.

RULE 10-J. Speed signs to left of track:

Eastward		Reading
MP 25.02		35
MP 121.40		25
Westward		Reading
MP 139.20		40
MP 113.50		45
MP 53.00		45
MP 37.95		10

RULE 21-C. Train indicators on trains, arriving Willits may be displayed until engine reaches roundhouse or delivery track but must be removed immediately on arrival at roundhouse or delivery track.

RULE 83-A. At the following stations only trains indicated will register:

- Santa Rosa.....Trains originating and terminating.
- Healdsburg.....Trains originating and terminating.
- Ukiah.....Trains originating and terminating.

RULE 93. Yard limits are established at the following stations:

West MP		East MP
6.84	San Rafael (Sausalito Branch).....	End of Branch
6.50	" (Santa Rosa Line).....	17.30
24.30	Ignacio.....	27.05
26.80	" (Schellville Branch).....	
44.95	Schellville.....	38.63
36.38	Petaluma.....	39.52
52.36	Santa Rosa.....	55.66
65.65	Healdsburg.....	69.71
74.52	Geyserville.....	78.39
84.37	Cloverdale.....	85.57
111.14	Ukiah.....	115.82
120.66	Redwood Valley.....	122.39
130.76	Ridge.....	132.12
137.90	Willits.....	141.40

RULE 98. Railroad crossings at grade not interlocked:
 Petaluma.....P&SRRR crossing of yard tracks — STOP.
 Flag protection must be provided.

RULE 99-C. Will apply between Ignacio and San Rafael; on Schellville Branch and for westward trains, Ridge to Redwood Valley.

RULE 103-A.

Tiburon: Sign posts bearing the letter "W" have been placed just east of Hilarita crossing, MP 7.26, and just west of San Rafael Avenue crossing, MP 7.90. Between 7:00 AM and 7:00 PM daily, except Saturday, Sunday and holidays, engineers will sound whistle signal 14(l) while passing these signs.

San Rafael: Movements over Francisco Blvd. or Toll Road, crossing the B St. route must be protected by a flagman.

Pedestrian crosswalk located at Los Gallinas Avenue, MP 19.3, must not be blocked by standing trains or cars.

Hamilton Field: Switching movements at Hamilton Air Force Base under jurisdiction of Air Force representative. Engines must not pass engine restriction sign without permission from Air Force representative.

Ignacio: White poles marking limits of circuits controlling operation of signals protecting highway crossings at Ignacio, MP 24.9, are located as follows:

- Main Track.....750 feet west of highway crossing.
- Main Track.....824 feet east of highway crossing.
- Schellville Branch....350 feet west of highway crossing.
- Schellville Branch....600 feet east of highway crossing.

After passing over crossing, trains or engines must not make a reverse movement until entire consist has passed the appropriate white marker pole.

Petaluma: Should automatic warning devices be inoperative at Adams St., D St., or Washington St. movements over these crossings must be protected by a flagman.

Switching movements over the following crossings must not be made until flag protection to traffic has been provided:

- Adams St. or D St.
- Copeland St.—East end of P&SRRR interchange.
- Washington St.

Uncontrolled movement of cars over these crossings prohibited.

Gates across Gerwick spur, 375 feet and 555 feet from switch, must be kept closed and locked, except when using spur. Spring latches are in place to hold gates open.

Santa Rosa: When cars are standing within 200 feet of Barham Ave. crossing, flag protection must be provided for movements over crossing.

Flag protection must be provided for movements over 13th St. crossing.

Wigwags at 6th, 7th and 8th Street crossings operate only when movements are made on main track and siding. Wigwag at 9th Street crossing operates only when movements are made on main track.

When movements over these crossings are made from other tracks and wigwags are not operating, movement must not be made until flag protection has been provided.

Crossover leading from P&SRRR to east side of yard must not be blocked.

Cars must not be left standing within 150 feet of switch leading to Proctor spur at east end of Santa Rosa siding.

Public Utilities Commission order prohibits all movements over the following crossing unless movements first brought to a stop and traffic on the highway protected by a member of the crew:

- Santa Rosa.....Beaver St. on cross town line.

Willits: Flashing light signals at Commercial Street crossing are not actuated for movements over Track 2 or House Track until equipment is within fifty (50) feet of crossing. Trains and engines using Track 2 or House Track must not proceed over crossing until flashing light signals are operating. Equipment must not be left standing on these tracks within one hundred (100) feet of the crossing.

RULE 104. Normal positions of switches at west end of Schellville are from track No. 1 through east crossover to main track, and from main track to east leg of wye.

SPECIAL INSTRUCTIONS—SOUTHERN DIVISION

RULE 105. At the following stations, sidings are located as shown below:

Ignacio: On south side of main track, from crossover at MP 24.77 to east crossover switch.

Santa Rosa: Eastward siding leaves main track at MP 52.67 (1770 feet west of Barham Ave.) and enters main track at MP 53.89 (20 feet west of Seventh St.).

Westward siding leaves main track at MP 54.97 (20 feet west of Jennings Ave.) and enters main track at MP 53.85 (10 feet east of Sixth St.).

Sidings designated "E" are assigned for use by eastward trains, those designated "W" are assigned for use by westward trains.

RULE 221. Unit for display of flashing light installed at the following locations:

Station	Location	Direction
Petaluma	East end siding	Eastward trains
Healdsburg	East end siding	Eastward trains

Display of flashing white light indicates that train-order signal is displaying proceed indication or that train-order operator has train orders ready for delivery and such train orders do not restrict train at that station and train may pass fouling point of siding if not restricted by timetable or train orders previously received.

No. 81 and No. 85 are not required to obtain clearance at Schellville.

RULE 535. SPRING SWITCHES

Spring switches not equipped with facing point locks are located as follows:

Location	Normal Position
Ignacio	East wye switch on Santa Rosa line. Schellville Br.
Geyserville	East switch Main track
Redwood Valley	East switch Main track

Switch point indicator, indicating position of switch for facing point movement at above locations, are located from 25 to 100 feet in approach to switch. When movement has been completed through switch, reverse movement must not be made until points close and indicator displays green aspect.

GENERAL REGULATIONS

RULE 825. Willits: Train crews must not release brakes on outbound trains until engine is coupled to train and brake pipe is charged.

Portable rail skids are hung on a pole near the center of the siding at Ridge, MP 131.4.

When necessary to leave one or more cars on the siding, rail skids must be placed on rail, and leading wheels of first car in descending direction run on to the rail skids and hand brakesset, when operative, before engine is detached.

Trains picking up cars from siding at Ridge must remove rail skids and return them to the pole provided for that purpose, locking them in place with switch lock.

RULE 827. Westward trains departing Willits must not exceed 12 MPH until rear of train has passed over Commercial Street crossing.

Rolling inspection must be made on westward freight trains at Cloverdale, or Geyserville, by trainmen, except when operator is on duty at Cloverdale.

AIR BRAKE RULES

RULE 2-B. Three units of dynamic braking (4500 HP) may be used on head end of freight trains Ridge to Redwood Valley.

Dynamic brake cable must be removed between the third and fourth units in direction of movement and unit selector switch on lead unit must be placed in the position corresponding to the number of units on which dynamic brake is used.

Dynamic brake on westward passenger trains must be tested before leaving Ridge.

Dynamic brake on westward freight trains must be tested before leaving Willits, and again before leaving Ridge. On eastward freight trains dynamic brake must be tested before leaving Ridge.

RULE 3. Standard brake pipe pressure for freight trains between Redwood Valley and Willits is 90 lbs.

RULE 17. Retaining valves must be used as follows:

PASSENGER TRAINS

WESTWARD—Ridge to Redwood Valley

With no dynamic brake in operation, all retaining valves.

When dynamic brakes are in operation and tonnage of train does not exceed 600 tons, retaining valves need not be used unless requested by engineer.

FREIGHT AND MIXED TRAINS

EASTWARD—Ridge to Willits

With no dynamic brake in operation, one retaining valve for each 100 tons in train.

When dynamic brakes are in operation retaining valves need not be used unless requested by engineer.

Retaining valves must not be used on any equipment in high pressure position.

Retaining valves will be turned up at Redwood Valley and turned down at Willits.

WESTWARD—Ridge to Redwood Valley

With no dynamic brake in operation or when train is handled by DF-300 to 306 class engine, all retaining valves.

Nine retaining valves will be left turned down for each 1500 HP unit or equivalent (two 800 HP units) with dynamic brakes in operation.

Retaining valves will be turned up at Willits and turned down at Redwood Valley.

When retaining valves are turned up on loaded cars, and retaining valve is of the three position type, it must be in the high pressure position, which is midway, or 45-degree position.

When stop is made on descending grade between Ridge and Laughlin by westward freight trains employing the pressure maintaining system of braking, all retaining valves must be turned up before hand brakes and air brakes are released.

RULE 19. Use of the pressure maintaining brake valve will not dispense with the use of retaining valves as required by Rule 17 when helper engines are to be cut off rear end of train at Ridge.

FREIGHT TRAINS

RULE 33. Trains handled by DF-300 to 306 class engines with or without dynamic brake operative must not exceed 60 tons per operative brake on descending grade Ridge to Redwood Valley, exclusive of engine and caboose.

When dynamic brakes are operative on engines, except DF-300 to 306 class, trains must not exceed 68 tons per operative brake on descending grade Ridge to Redwood Valley, exclusive of engine and caboose.

RULE 60. On descending grades, dynamic brake on freight trains must be reduced to one half of maximum 500 feet before entering and 1500 feet after passing through turnout or crossover and during adjustment of slack following release of train air brakes.

PASSENGER TRAINS

RULE 39. Running air brake test must be made by passenger trains leaving Ridge.

PETALUMA JOINT TRACK

NWP yard track at Park Siding, MP 39.2 (Petaluma yard) is designated as an additional interchange track for receipt and delivery of cars between NWP and P&SRRR. This track will be used jointly by the NWP and P&SRRR. The connection between the P&SRRR and NWP tracks will be used solely by the P&SRRR.

WILLITS JOINT TRACK

NWP main track from west yard switch to the crossover at MP 138.95 and the CWRR main track between a point 150 feet west of west crossover switch at MP 138.95 to the west yard switch and the CWRR side track approximately 1500 feet in length with east switch at Valley Street and the CWRR side track approximately 1860 feet in length with east switch 120 feet east of Valley Street will be used jointly by the NWP and CWRR.

CWRR main track between crossover at MP 138.95 and crossover at MP 139.33 and the CWRR side track approximately 1500 feet in length with east switch at Valley Street and the CWRR side track approximately 1860 feet in length with east switch 120 feet east of Valley Street are designated as interchange tracks for the receipt and delivery of cars between the NWP and CWRR.

Time applies for CWRR first class trains at west switch of crossover on CWRR main track, MP 138.95.

MISCELLANEOUS

Engines listed must not operate on tracks shown below:

Class of Engine	Restricted Tracks
All engines.....	Hamilton Field.....Beyond engine restriction sign west track No. 1.

SP trains and engines are not permitted to operate on NWP tracks west of MP 41.70 on Schellville Branch.

HELPERS

WILLITS AND REDWOOD VALLEY

Unless otherwise instructed, helper engines will be left in train between Willits and Redwood Valley and will be placed in train as follows:

WESTWARD TRAINS:

On trains not exceeding 3300 tons.....Ahead of road engine.

On trains exceeding 3300 tons but not exceeding 5500 tons.....

Two helper units (3000 HP) ahead of caboose and any wooden underframe cars, except, if train is handled by three unit DF-114, 116 to 118, 120 class road engine, three DF-114, 116 to 118, 120 class helper units (4500 HP) may be placed ahead of caboose and any wooden underframe cars.

Three unit DF-114, 116 to 118, 120 class Helper Engine—

On trains handled by three unit DF-114, 116 to 118, 120 class road engine not exceeding 6000 tons.....

Ahead of caboose and any wooden underframe cars.

On trains handled by four unit DF-114, 116 to 118, 120 class road engine not exceeding 6700 tons or 115 cars.....

Ahead of caboose and any wooden underframe cars.

EASTWARD TRAINS:

On trains not exceeding 2100 tons.....

Ahead of road engine.

On trains exceeding 2100 tons.....

Helper engines not exceeding 3900 HP ahead of caboose and any wooden underframe cars.

When a three unit, DF-114, 116 to 118, 120 class helper engine is used ahead of caboose and any wooden underframe cars in westward freight trains departing Willits, empties and light loads must be placed at least 25 cars ahead of caboose and any wooden underframe cars.

Diesel engines used as helpers and placed at or near rear of freight trains handled by diesel road engines with dynamic brakes in operation on head end will use dynamic brakes on descending grade on westward trains between Ridge and Redwood Valley. Additional tonnage in the same ratio per unit as specified for road engine may be handled without retainers.

Diesel engines used as helpers and placed at or near rear of eastward freight trains will use dynamic brakes on descending grade between Ridge and Willits when requested to do so by road engineer.

When train order provides for cutting out helper engines at Ridge, train will stop so that helper engines at rear end of train will be cut out at leaving switch of siding.

After starting freight trains at Willits and Redwood Valley, helper engineers at rear of train will reduce throttle sufficiently to allow road engineer to stretch entire train. Helper engineer will then bunch the slack in a manner to avoid objectionable run in.

FREIGHT TRAINS

WILLITS AND REDWOOD VALLEY

When helper engines are not employed in trains on ascending grade from Willits or Redwood Valley, the consist of westward trains must not exceed 3650 tons and the consist of eastward trains must not exceed 2300 tons.

LOCATION OF OVERHEAD AND SIDE STRUCTURES NOT STANDARD CLEARANCE ON MAIN TRACK, SIDINGS AND SPURS

Mile Post	At or Near	Description	Side or Overhead
37.8.....	Wingo bridge.....	Wingo bridge.....	Side
28.5.....	Black Point.....	Drawbridge.....	Side
37.2.....	Petaluma.....	Drawbridge.....	Overhead and side
53.8.....	Santa Rosa.....	Cement Shed of Mead Clark Lumber Co.....	Side
53.8.....	Santa Rosa.....	Bessone Supply Co.....	Side
53.8.....	Santa Rosa.....	National Ice Co. Ice Dock.....	Side
53.8.....	Santa Rosa.....	Shell Oil Co.....	Side
68.0.....	Healdsburg.....	Steel bridge over Russian River...	Side

SPECIAL INSTRUCTIONS—SOUTHERN DIVISION

SPEED RESTRICTIONS FOR TRAINS: Maximum speed of trains in territory shown below is subject to further restrictions applicable to engines in the train as shown in **SPEED RESTRICTIONS FOR ENGINES** and **OTHER SPEED RESTRICTIONS** appearing on page 6 of Special Instructions for All Divisions. Speed must be further reduced as prescribed by speed signs, except as specifically authorized by Special Instructions herein, or by timetable bulletin.

All trains must run carefully during and after heavy storms, particularly when the track is apt to be affected. When fog, storms or other conditions obscure track or signals, speed of trains must be so reduced as to permit strict observance of signals and **INSURE SAFETY, REGARDLESS OF TIME.**

TERRITORY			PASSENGER TRAINS AND LIGHT ENGINES	FREIGHT—MIXED	TERRITORY			PASSENGER TRAINS AND LIGHT ENGINES	FREIGHT—MIXED
MP	MP	Column:	1	2	MP	MP	Column:	1	2
EASTWARD, TIBURON TO WILLITS:					WESTWARD, WILLITS TO TIBURON:				
6.50 to 17.15	17.15 to 18.06		25	25	139.50 to 139.20	139.20 to 136.35		20	20
17.15 to 18.06	18.06 to 19.36		30	30	136.35 to 124.07	124.07 to 122.15		40	40
18.06 to 19.36	19.36 to 25.77		25	25	122.15 to 119.60	119.60 to 118.28		20	15
19.36 to 25.77	25.77 to 25.83		45	45	119.60 to 118.28	118.28 to 114.54		20	20
25.77 to 25.83	25.83 to 36.85		35	35	118.28 to 114.54	114.54 to 113.50		45	45
25.83 to 36.85	36.85 to 37.20 (bridge)		45	45	114.54 to 113.50	113.50 to 108.72		30	30
36.85 to 37.20 (bridge)	37.20 to 39.25 (Petaluma)		10	10	108.72 to 94.99	94.99 to 89.25		45	45
★37.20 to 39.25 (Petaluma)	39.25 to 53.00		20	20	89.25 to 85.53	85.53 to 71.16		25	25
39.25 to 53.00			45	45	71.16 to 70.91	70.91 to 68.58		40	40
53.00 to 55.00 (Santa Rosa)	55.00 to 67.60		25	25	70.91 to 68.58	68.58 to 67.60 (Healdsburg)		45	45
55.00 to 67.60	67.60 to 68.58 (Healdsburg)		45	45	68.58 to 67.60 (Healdsburg)	67.60 to 55.00		25	25
67.60 to 68.58 (Healdsburg)	68.58 to 70.91		25	25	67.60 to 55.00	55.00 to 53.00 (Santa Rosa)		45	45
68.58 to 70.91	70.91 to 71.16		40	40	53.00 to 39.25	39.25 to 37.20 (Petaluma)		20	20
70.91 to 71.16	71.16 to 85.53		45	45	37.20 to 36.85 (bridge)	36.85 to 25.83		10	10
71.16 to 85.53	85.53 to 89.25		45	45	36.85 to 25.83	25.83 to 25.77		45	45
85.53 to 89.25	89.25 to 94.99		30	30	25.77 to 19.36	19.36 to 18.06		15	15
89.25 to 94.99	94.99 to 108.72		25	25	19.36 to 18.06	18.06 to 17.03		45	45
94.99 to 108.72			30	30	18.06 to 17.03	17.03 to 6.50		20	20
108.72 to 113.50	113.50 to 114.54		45	45	17.03 to 6.50			25	25
113.50 to 114.54	114.54 to 118.28		25	25	53.00 to 39.25	39.25 to 37.20 (Petaluma)		45	45
114.54 to 118.28	118.28 to 119.60		45	45	37.20 to 36.85 (bridge)	36.85 to 25.83		20	20
118.28 to 119.60	119.60 to 122.15		30	30	36.85 to 25.83	25.83 to 25.77		10	10
119.60 to 122.15	122.15 to 124.07		45	45	25.83 to 25.77	25.77 to 19.36		45	45
122.15 to 124.07	124.07 to 136.35		25	25	25.77 to 19.36	19.36 to 18.06		45	45
124.07 to 136.35	136.35 to 139.20		20	15	19.36 to 18.06	18.06 to 17.03		30	30
136.35 to 139.20	139.20 to 139.50		40	40	18.06 to 17.03	17.03 to 6.50		20	20
139.20 to 139.50			20	20	17.03 to 6.50			25	25
EASTWARD, SONOMA TO IGNACIO:					WESTWARD, IGNACIO TO SONOMA:				
44.95 to 40.39 (Sonoma)	40.39 to 32.30		25	25	24.99 to 25.80 (Ignacio)	25.80 to 28.70		15	15
40.39 to 32.30	32.30 to 29.01		30	30	25.80 to 28.70	28.70 to 29.01 (bridge)		45	45
32.30 to 29.01	29.01 to 28.70 (bridge)		45	45	28.70 to 29.01 (bridge)	29.01 to 32.30		10	10
29.01 to 28.70 (bridge)	28.70 to 25.80		10	10	29.01 to 32.30	32.30 to 40.39		45	45
28.70 to 25.80	25.80 to 24.99 (Ignacio)		45	45	32.30 to 40.39	40.39 to 44.95 (Sonoma)		30	30
25.80 to 24.99 (Ignacio)			15	15	40.39 to 44.95 (Sonoma)			25	25
EASTWARD, SAUSALITO TO DETOUR:					WESTWARD, DETOUR TO SAUSALITO:				
6.84 to 11.69	11.69 to 12.10 (tunnel)		20	20	14.30 to 12.10	12.10 to 11.69 (tunnel)		20	20
6.84 to 11.69	11.69 to 12.10 (tunnel)		10	10	12.10 to 11.69 (tunnel)	11.69 to 6.84		10	10
11.69 to 12.10 (tunnel)	12.10 to 14.30		20	20	11.69 to 6.84			20	20
12.10 to 14.30			20	20					

★Regulated by City ordinance.

Trains must approach and cross Wingo bridge with caution, watching carefully for pedestrians and vehicles.

SPEED RESTRICTIONS FOR OTHER THAN MAIN TRACKS	With caution Not Exceeding MPH
Through sidings, yard and other tracks, balloon tracks, crossovers and turnouts, except:.....	15
Through turnouts on other than sidings.....	10
Wye tracks.....	10

SPECIAL INSTRUCTIONS—SOUTHERN DIVISION

RATING OF ENGINES—In Units of 2000 Lbs. (Tons)

NOMINAL CLASS	ENGINE NUMBERS	Detour and Sausalito	Tiburon and San Rafael	San Rafael to Ignacio	Sonoma and Petaluma	Petaluma to Healdsburg	Healdsburg to Cloverdale	Cloverdale to Redwood Valley	Redwood Valley to Willits	Willits to Redwood Valley	Redwood Valley to Larkspur	Larkspur to Petaluma	Ignacio to San Rafael
*DF-114, 116 to 118, 120	{ 5279 to 5287, 5290 to 5293, 5308 to 5335, 5340 to 5371.....	2350	2750	1425	5000	3350	2825	2150	700	1100	4025	5000	2075
DF-200 to 204	5100 to 5118.....	725	850	450	2150	1300	1125	850	275	450	1550	2050	650
DF-300 to 304	4600 to 4623, 4700 to 4703.....	1175	1350	725	3325	2113	1800	1375	437	687	2525	3325	1150
DF-305, 306	4624 to 4633.....	1275	1500	800	3825	2300	1975	1500	500	775	2750	3625	1125
DS-1, 4, 5	1000, 1004 to 1016.....	700	825	425	2125	1275	1075	825	250	400	1525	2025	600

*Engines 5308, 5317 to 5335, 5340 to 5371 equipped with steam boiler.

UNLESS AUTHORIZED BY SUPERINTENDENT, ENGINES WILL NOT BE PERMITTED TO OPERATE IN TERRITORIES WHERE NO RATING IS SHOWN IN ENGINE RATING TABLE

SPECIAL INSTRUCTIONS—NORTHERN DIVISION

RULE 10-J. Speed signs to left of track:

Westward	Reading
MP 255.70	45

RULE 21-C. Train indicators on trains, arriving Eureka or Willits, may be displayed until engine reaches roundhouse or delivery track but must be removed immediately on arrival at roundhouse or delivery track.

RULE 82-A. Extra trains operating between Alton and Carlotta will display indicators as an extra train on entire trip as indicated by engine numbers leaving Alton and are authorized to operate as extra trains between Alton and Carlotta without obtaining clearance at Alton.

RULE 83-A. At the following stations only trains indicated will register:

- Fort Seward.....Trains originating and terminating.
- Scotia.....Trains originating and terminating and No. 75.
- Alton.....Nos. 3 and 4.

Extra trains departing Alton on Carlotta Branch, in addition to information required by train register, must register destination of trip (turning point) and date of departure in the column captioned "Signals". When trip has been completed, date of arrival at Alton must also be entered in column captioned "Signals" in the same manner.

When engine is changed before completion of a trip, crew must indicate on train register that trip was originated with Engine No. . . and completed with Engine No. . . .

An extra train enroute Alton to Carlotta or any intermediate point must not leave Alton until it has been ascertained from the train register that all preceding extra trains have completed their trip and registered time and date of arrival at Alton accordingly.

RULE 93. Yard limits are established at the following stations:

West MP	East MP
137.90 Willits.....	141.40
193.39 Island Mountain.....	195.62
215.35 Fort Seward.....	218.25
235.53 South Fork.....	238.40
254.86 Scotia.....	256.60
261.65 Alton.....	263.31
266.52 Carlotta.....	264.35
280.56 Eureka (Korblex Branch).....	267.78
" (Samoa Branch).....	End of NWP Track

RULE 99. Flag protection to the rear is not required between Alton and Carlotta.

RULE 99-C. Will apply for westward trains, Fort Seward to Island Mountain.

RULE 103-A. Willits: Flashing light signals at Commercial Street crossing are not actuated for movements over Track 2 or House Track until equipment is within fifty (50) feet of crossing. Trains and engines using Track 2 or House Track must not proceed over crossing until flashing light signals are operating. Equipment must not be left standing on these tracks within one hundred (100) feet of the crossing.

RULE 104. Normal position of junction switch of Carlotta Branch at Alton is for siding.

Normal position of junction switch of Samoa Branch at Samoa is for Northwestern Pacific Railroad Company Track.

RULE 221: Unit for display of flashing light installed at the following locations:

Station	Location	Direction
Dos Rios.....	MP 166.9.....	Westward trains

Display of flashing white light indicates that train-order signal is displaying proceed indication or that train-order operator has train orders ready for delivery and such train orders do not restrict train at that station and train may pass fouling point of siding if not restricted by timetable or train orders previously received.

RULE 535. SPRING SWITCHES

Spring switches not equipped with facing point locks are located as follows:

Location	Normal Position
Island Mountain.....	East switch.....Main track

Switch point indicator indicating position of switch for facing point movement at above location is located approximately 50 feet in approach to switch. When movement has been completed through switch, reverse movement must not be made until points close and indicator displays green aspect.

GENERAL REGULATIONS

RULE 825. Willits: Train crews must not release brakes on outbound trains until engine is coupled to train and brake pipe is charged.

RULE 827. Trains handling logs not loaded in gondolas should not be in motion on tracks adjacent to main track when passenger trains are passing. If necessary to saw-by, passenger train must remain standing until caboose is clear of main track and train with logs has stopped.

Flat or logging cars loaded with logs handled in trains from Camp Grant to Eureka must be inspected at Larabee and Fern-bridge.

Special attention must be given to the inspection of chocks and height of loads. Loads must not exceed 12 feet 6 inches in height above top of rail. If car is improperly loaded, it must not be moved and, if in the train, must be set out.

Rolling inspection must be made on westward freight trains at Scotia by trainmen when operators are not on duty and this must be done on the station side.

LIGHT TYPE INDICATORS

Light type indicators are installed on the Scotia Bluff to assist patrolmen in protecting (until flag protection can be provided) any condition which may affect the movement of trains. Lunar light indicates proceed, and red aspect indicates stop.

Control switches are located on poles—MP 256 Poles 12 and 19, MP 257 Poles 1, 2, 2½, 3 and 4, MP 258 Poles 0 and 2.

Boxes containing these switches are sealed with car seals. If any condition is found to require protection, patrolmen or others will break the seal and open any one of these switches, which will cause the indicator to display a red aspect. Such switch must not be closed until the conditions are corrected for the normal movement of trains.

The protective equipment is so designed as to cause the indicators to assume a stop position if any of the bents should be disturbed by falling rock or high water.

When indicator displays a red aspect, train must stop and then proceed at not to exceed 4 MPH to next indicator. Trainmen and enginemen must observe wooden trestles to see if any of the bents have been displaced or damaged.

When a red light is displayed in signal at entrance to Georgia-Pacific Co., plywood plant, Samoa, it indicates track is blocked. Movement must be stopped and not proceed beyond signal until light has been extinguished.

WILLITS JOINT TRACK

NWP main track from west yard switch to the crossover at MP 138.95 and the CWRR main track between a point 150 feet west of the west crossover switch at MP 138.95 to the west yard switch and the CWRR side track approximately 1500 feet in length with east switch at Valley Street and the CWRR side track approximately 1860 feet in length with east switch 120 feet east of Valley Street will be used jointly by the NWP and CWRR.

CWRR main track between crossover at MP 138.95 and crossover at MP 139.33 and the CWRR side track approximately 1500 feet in length with east switch at Valley Street and the CWRR side track approximately 1860 feet in length with east switch 120 feet east of Valley Street are designated as interchange tracks for the receipt and delivery of cars between the NWP and CWRR.

Time applies for CWRR first class trains at west switch of crossover on CWRR main track, MP 138.95.

THE PACIFIC LUMBER COMPANY JOINT TRACK

The following tracks are interchange tracks between the NWP and The Pacific Lumber Company and are to be jointly used by the NWP and The Pacific Lumber Company.

Perrott Creek. The 2467 foot spur track and the 904.4 foot track leading from this spur.

Glynn..... Track adjacent to Highline track.

" First 1862 feet of Highline track.

" A 2698 foot side track adjacent to the main track with west switch at MP 253.16.

" A 2224 foot side track with west switch at MP 253.18 and a 2040 foot side track with west switch at MP 253.21, both of which are adjacent to and leading out of the 2698 foot track.

" A 2246 foot side track adjacent to the main track with west switch at MP 253.61.

Scotia..... House track.

" First 1000 feet of dump spur adjacent to main track, 205 feet west of Yoder switch.

Carloads of logs must not be interchanged on Scotia house track.

**LOCATION OF OVERHEAD AND SIDE STRUCTURES
NOT STANDARD CLEARANCE ON MAIN TRACK,
SIDINGS AND SPURS**

Mile Post	At or Near	Description	Side or Overhead
267.7	Carlotta	Van Duzen Camp, TPLCo. log rollway	Side
284.1	Eureka	Simpson Plywood, track into building	Overhead and side
284.1	Eureka	Park Loading Co Track 2	Side
284.1	Eureka	Acme Foundry, building	Overhead and side
284.1	Eureka	Shell Oil Co., spur	Side
284.1	Eureka	Georgia-Pacific Co., log spur, gate post and fence	Side
300.5	Samoa	Georgia-Pacific Co., warehouse No. 14	Overhead

**SPEED RESTRICTIONS
FOR OTHER THAN MAIN TRACKS**

With caution
Not Exceeding
MPH

Through sidings, yard and other tracks, balloon tracks, crossovers and turnouts, except:.....	15
Through turnouts on other than sidings.....	10
Through all sidings, yard tracks, and other tracks with steam engine running backward.....	10
Wye tracks.....	10
Through turnout to TPLCo. yard at Yoder.....	20
DS-4, 5, (1004 to 1016) and DF-300 to 304 (4600 to 4623, 4700 to 4703), on trestle to log dump Georgia-Pacific Co. Plant No. 2 at Eureka.....	10

SPECIAL INSTRUCTIONS—NORTHERN DIVISION

SPEED RESTRICTIONS FOR TRAINS: Maximum speed of trains in territory shown below is subject to further restrictions applicable to engines in the train as shown in **SPEED RESTRICTIONS FOR ENGINES** and **OTHER SPEED RESTRICTIONS** appearing on page 6 of Special Instructions for All Divisions. Speed must be further reduced as prescribed by speed signs, except as specifically authorized by Special Instructions herein, or by time-table bulletin.

All trains must run carefully during and after heavy storms, particularly when the track is apt to be affected. When fog, storms or other conditions obscure track or signals, speed of trains must be so reduced as to permit strict observance of signals and **INSURE SAFETY, REGARDLESS OF TIME.**

TERRITORY			PASSENGER TRAINS AND LIGHT ENGINES	FREIGHT—MIXED	TERRITORY			PASSENGER TRAINS AND LIGHT ENGINES	FREIGHT—MIXED
MP	MP	Column:	1	2	MP	MP	Column:	1	2
EASTWARD, WILLITS TO EUREKA:					WESTWARD, EUREKA TO WILLITS:				
139.50 to 140.87			20	20	284.10 to 282.00 (Eureka)			20	20
140.87 to 143.10			40	40	282.00 to 277.55			45	45
143.10 to 144.65			30	30	277.55 to 277.05			40	40
144.65 to 167.11			25	25	277.05 to 273.34			45	45
167.11 to 167.37			15	15	273.34 to 270.60			35	35
167.37 to 172.72			25	25	270.60 to 268.30			45	45
172.72 to 175.88			30	30	268.30 to 266.00			40	40
175.88 to 195.97			25	25	266.00 to 262.70			45	45
195.97 to 196.22			15	15	262.70 to 262.50			35	35
196.22 to 213.08			25	25	262.50 to 258.08			40	40
213.08 to 222.15			30	30	258.08 to 257.00 (Scotia Bluff)			15	15
222.15 to 228.13			25	25	257.00 to 255.70			35	35
228.13 to 231.02			30	30	255.70 to 252.46			45	45
231.02 to 237.05			40	40	252.46 to 247.20			30	30
237.05 to 237.74 (South Fork)			40	40	247.20 to 246.85			25	25
237.74 to 240.21			30	30	246.85 to 242.80			30	30
240.21 to 242.80			45	45					
242.80 to 246.85			30	30	242.80 to 240.21			45	45
					240.21 to 237.74			30	30
246.85 to 247.20			25	25	237.74 to 237.05 (South Fork)			40	40
247.20 to 252.46			30	30	237.05 to 231.02			40	40
252.46 to 255.70			45	45	231.02 to 228.13			30	30
255.70 to 257.00			35	35	228.13 to 222.15			25	25
257.00 to 258.08 (Scotia Bluff)			15	15	222.15 to 213.08			30	30
258.08 to 262.50			40	40	213.08 to 196.22			25	25
262.50 to 262.70			35	35	196.22 to 195.97			15	15
262.70 to 266.00			45	45	195.97 to 175.88			25	25
266.00 to 268.30			40	40	175.88 to 172.72			30	30
268.30 to 270.60			45	45	172.72 to 167.37			25	25
270.60 to 273.34			35	35	167.37 to 167.11			15	15
273.34 to 277.05			45	45	167.11 to 144.65			25	25
277.05 to 277.55			40	40	144.65 to 143.10			30	30
277.55 to 282.00			45	45	143.10 to 140.87			40	40
282.00 to 284.10 (Eureka)			20	20	140.87 to 139.50			20	20
EASTWARD, EUREKA TO KORBLEX:					WESTWARD, KORBLEX TO EUREKA:				
★284.10 to 285.80 (Eureka)			10	10	295.57 to 292.50			20	20
285.80 to 292.50			25	25	292.50 to 285.80			25	25
292.50 to 295.57			20	20	★285.80 to 284.10 (Eureka)			10	10
EASTWARD, ARCATA TO SAMOA.....					WESTWARD, SAMOA TO ARCATA.....				
			25	25				25	25
EASTWARD, ALTON TO CARLOTTA..					WESTWARD, CARLOTTA TO ALTON..				
			25	25				25	25

★Regulated by City ordinance.

SPECIAL INSTRUCTIONS—NORTHERN DIVISION

RATING OF ENGINES—In Units of 2000 Lbs. (Tons)

NOMINAL CLASS	ENGINE NUMBERS	Willits to Lelota	Lelota to Beatrice	Beatrice and Eureka	Eureka and Arcata	Arcata and Samoa	Arcata to Korbix	Korbix to Arcata	Beatrice to Lelota	Lelota to Willits	Alton to Carlotta	Carlotta to Alton
*DF-114, 116 to 118, 120	5279 to 5287, 5290 to 5293, 5308 to 5335, 5340 to 5371.....	5000	3475	5000	5000	1900	4800	2650	2650	2800	2400
DF-200 to 204	5100 to 5118.....	1650	1350	3000	3000	3000	600	1525	975	1150	900	775
DF-300 to 304	4600 to 4623, 4700 to 4703.....	3325	2200	3325	3325	3325	950	2400	1450	1450	1400	1200
DF-305, 306	4624 to 4633.....	3925	2400	3950	3950	3950	1075	2675	1700	2000	1600	1350
DS-4, 5	1004 to 1016.....	1625	1325	2975	2975	2975	575	1475	950	1125	875	725

*Engines 5308, 5317 to 5335, 5340 to 5371 equipped with steam boiler.
 TPLCo. engines permitted to operate on NWP tracks between Rohnerville and South Fork and Alton and Carlotta.

UNLESS AUTHORIZED BY SUPERINTENDENT, ENGINES WILL NOT BE PERMITTED TO OPERATE IN TERRITORIES WHERE NO RATING IS SHOWN IN ENGINE RATING TABLE.

MISCELLANEOUS

Emergency supply of fuel oil maintained at South Fork but agent must be contacted before using.

Engines listed must not operate on tracks shown below:

Class of Engine	Restricted Tracks
DF-114, 116 to 118, 120, 305, 306.....	Carlotta....Georgia-Pacific Co., industry track.
All engines.....	South Bay..Wharf track.
DF-114, 116 to 118, 120.....	South Bay..Beyond engine restriction sign placed 547 feet from point of switch on PG&E Spur.
DF-114, 116 to 118, 120, 305, 306.....	Eureka.....Trestle to log dump Georgia-Pacific Co., Plant No. 2.
All engines.....	SamoaBeyond engine restriction sign placed 100 feet from end of long track serving warehouse No. 14, Georgia-Pacific Co.

HOSPITAL DEPARTMENT SURGEONS

LOCATION	NAME	TITLE
San Francisco...	Dr. V. M. Strange.....	Chief Surgeon
Sausalito.....	Dr. C. F. Larson.....	District Physician and Surgeon
Tiburon.....	Dr. Donovan Cooke.....	District Physician and Surgeon
Mill Valley.....	Dr. R. B. Hartman.....	District Physician and Surgeon
San Anselmo.....	Dr. H. O. Hund.....	District Physician and Surgeon
San Rafael.....	Dr. H. O. Hund.....	District Physician and Surgeon
San Rafael.....	Dr. W. M. Edwards.....	District Physician and Surgeon
San Rafael.....	Dr. D. L. Wagner.....	Emergency Physician and Surgeon
Novato.....	Dr. R. J. Weseman.....	District Physician and Surgeon
Petaluma.....	Dr. F. E. Ems.....	Associate Physician and Surgeon
Petaluma.....	Dr. J. J. Mohrman.....	District Physician and Surgeon
Petaluma.....	Dr. L. S. Sanella.....	Assistant Oculist and Aurist
Sebastopol.....	Dr. Leo B. Cohenour.....	Emergency Physician and Surgeon
Guerneville.....	Dr. W. N. Makaroff.....	District Physician and Surgeon
Guerneville.....	Dr. W. I. Ellison.....	Emergency Surgeon
Santa Rosa.....	Dr. L. E. Avery.....	District Physician and Surgeon
Santa Rosa.....	Dr. A. M. Bowles.....	District Physician and Surgeon
Santa Rosa.....	Dr. J. L. Spear.....	Oculist and Aurist
Healdsburg.....	Dr. Carl Harvey.....	District Physician and Surgeon
Sonoma.....	Dr. W. J. Newman.....	Emergency Physician and Surgeon
Sonoma.....	Dr. C. B. Andrews.....	Emergency Physician and Surgeon
Cloverdale.....	Dr. L. Sayre.....	District Physician and Surgeon
Ukiah.....	Dr. W. M. Vest.....	District Physician and Surgeon
Willits.....	Dr. R. E. Welch.....	District Physician and Surgeon
Willits.....	Dr. F. Myers.....	Ass't District Physician and Surgeon
Alderpoint.....	Dr. J. E. Phelps.....	District Physician and Surgeon
Garberville.....	Dr. J. E. Phelps.....	District Physician and Surgeon
Scotia.....	Dr. R. N. Tredwell.....	District Physician and Surgeon
Scotia.....	Dr. Kurt Munchheimer.....	Ass't District Physician and Surgeon
Fortuna.....	Dr. C. Schwartz.....	District Physician and Surgeon
Eureka.....	Dr. J. W. Walsh.....	District Physician and Surgeon
Eureka.....	Dr. W. C. Carey.....	Oculist and Aurist
Eureka.....	Dr. W. W. Dolfini.....	Ass't District Physician and Surgeon
Eureka.....	Dr. J. G. Smith.....	Assistant Oculist and Aurist
Arcata.....	Dr. Chas. N. Earl.....	District Physician and Surgeon

Note—Emergency surgeons should only be summoned for temporary treatment when prompt attention is required and when patients cannot be sent to or await arrival of District Surgeon.

HOSPITAL

GENERAL HOSPITAL.....SAN FRANCISCO

WATCH INSPECTORS

RULE 2. Designated Watch Inspectors:

C. D. Fabrin, Manager Time Service.....65 Market Street, San Francisco
A. Solari.....745 3rd Street, San Francisco
G. D. Davidson Co., Traveling Watch Inspector.....
J. Don Eaton.....4 Princess St., Sausalito
Herbert-Rohrer.....1238 4th St., San Rafael
Lynn Richey.....165 Main Street, Petaluma
Chester Kradjan.....502 4th Street, Santa Rosa
C. E. MacDonald.....17 East Napa St., Sonoma
Harry D. Roberts.....106 W. Standley Street, Ukiah
A. B. Guslander.....Willits
J. C. Tario, Jr.....Eureka
Kelly's Jewelers.....837 H Street, Arcata