SOUTHERN PACIFIC COMPANY

(PACIFIC LINES)

TIME TABLE

FOR THE

SAN JOAQUIN DIVISION





To Take Effect Sunday, January 15, 1939, at 12:01 A. M. TO AUGUST 1,1939

PACIFIC STANDARD TIME (120th MERIDIAN)

For the government and information of employes only.

L. B. McDONALD, General Manager. W. B. KIRKLAND.

Superintendent of Transportation.

L. U. MORRIS, RETIRED JULY 1,1939

J. D. BRENNAN,

Superintendent of Transportation.

APPOINTED JULY 1,1939

Superintendent.

FRESNO SUBDIVISION

			EAST	WARD						THE TANKS			Mark		WE	STWAR	D		
	SECOND	CLASS	- NUMBER		RST CLASS	3	- 1	7.47		Time Table No. 159	T	Silver Speed	AL I	FII	RST CLAS	5			THIRD CLASS
Capacity of Sidings in Car Lengths	782 Freight	400 Freight	56 Tehachapi	346 Motor	52 San Joaquin	58 Sequola	60 West Coast	26 owl	Distance from San Francisco	January 15, 1939	Distance from Bakersfield	25 owl	59 West Coast	55 Tehachapi	345 Motor	51 San Joaquin	57 Sequoia		783 Freight
ar zongen	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily		STATIONS		Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Ar	rrive Daily
WOP Yard		10000							201.8	FRESNO YARD	111.1								
					1				203.2	F. T. Co. Crossing	109.7								
BKWOTYP Yard	1.55PM	4.20AM	8.00PM		1.50PM	6.50AM	12.35 AM	12.05 AM	205.5	TO-R FRESNO	107.4	s 2.40 AM	s 4.00AM	s 7.30 AM		s 3.45 PM	s 10.00PM		1.20PM
I P	2.05	4.30	8.10		2.00	7.00	12.45	12.15	209.1	TO CALWA TOWER A. T. & S. F. Crossing	103.8	2.30	3.50	7.20		3.35	9.48		1.10
No Siding P			f			8			210.4	MALAGA	102.5			f					4 1 1 2
118 P	2.15	4.40	f 8.20			s 7.08			215.1	TO FOWLER	97.8			s 7.08		3.26	f 9.39		12.57
125 Yard WP	2.25	4.50	s 8.30		f 2.14	s 7.20	12.57	f 12.28	220.7	TO SELMA	92.2	f 2.14	3.34	s 6.58		f 3.17	в 9.31		12.47
108 Yard WP	2.35	5.00	s 8.40		f 2.21	s 7.30	1.02	12.34	225.6	TO KINGSBURG	87.3	2.05	3.27	s 6.48		f 3.07	8 9.22		12.37
106 P	2.44	5.09	f 8.48		2.28	7.37	1.08	12.41	231.3	TRAVER	81.6	1.58	3.21	f 6.38		2.59	9.13		12.28
60 P	2.56	5.05	8.51			7.40	1.11	12.44	233.7	OROSS	79.2	1.55	3.18	6.35		2.56	9.10	119	
94 WYP	3.04	5.21	s 9.00		s 2.46	s 7.47AM	1.17	12.50	239.1	TO-R GOSHEN JOT.	73.8	1.48	3.12	s 6.25		s 2.46	9.00PM		12.16
Yard 59 P	3.14	5.31	f 9.13		2.53	AVIOLET L	1.24	12.58	245.6	TAGUS	67.3	1.40	3.05	6.02		2.38			12.06PM
									249.7	TO TULARE TOWER A. T. & S. F. Crossing	63.2		Chison						
89 Yard P	3.21	5.40	s 9.20		s 3.02		1.30	s 1.05	250.0	TULARE	62.9	s 1.30	2.58	s 5.40		s 2.33	3.11.4.00		11.57AM
59 P	3.30	5.58	9.40		3.09		1.39	1.16	255.8	OCTOL	57.1	1.16	2.51	5.22	Line	2.25		CONT.	11.47
83 WP	3.42	6.05	s 9.55		3.14		1.45	1.25	260.4	TO TIPTON	52.5	1.11	2.46	s 5.12		2.20		1 1	11.40
94 P	3.52	6.15	s 10.05		3.21		1.52	1.32	266.8	TO PIXLEY	46.1	1.04	2.39	s 5.02		2.13	7 3 4 A3		11.22
83 P	0.02	6.22	f 10.15		3.27		1.59	1.38	272.4	TO EARLIMART	40.5	12.57	2.33	s 4.52		2.07	125 30	1 1	
59 P	4.07	6.30	10.21		3.31		2.04	1.43	276.5	RADNOR	36.4	12.52	2.28	4.42		2.03		100	11.07
82 Yard WP	4.14	6.37	s 10.30		s 3.39		2.09	1.50	280.7	TO DELANO	32.2	f 12.47	2.23	s 4.37		s 1.58	4310 2		11.00
59 P	4.24	6.47	s 10.40		3.47	HEALT	2.16	1.58	287.0	TO Mc FARLAND	25.9	12.40	2.16	s 4.26		1.50			10.50
79 KWTP	4.35	7.00	f 10.49	10.32	M 3.54		2.26	2.09	292.6	TO-R FAMOSO	20.3	12.34	2.09	f 4.15	s 7.00AM	1.44			10.40
59 P	4.40	7.05	10.53	f 10.38	3.58	- HALLE	2.30	2.14	295.9	SLATER	17.0	12.30	2.05	4.10		1.40			10.35
82 P	4.47	7.12	10.59	f 10.44	4.05		2.35	2.19	300.5	LERDO 2.5	12.4	12.25	2.00	4.05	f 6.51	1.35			10.28
90 P	4.51	7.16	11.02	10.47	4.08		2.38	2.23	303.0	PROSPERO 2.8	9.9	12.22	1.57	4.02	6.48	1.32			10.24
59 P	4.56	7.21	11.06	f10.51	4.11	0.1	2.41	2.26	305.8	SACO 2.8	7.1	toei	13-6	3.58	6.44	1.29			10.19
80 YP	5.01	7.26	11.10	10.55	4.15		2.45	2.30	308.6	R OIL JOT.	4.3	12.15	1.50	3.55	f 6.40	1.26			10.14
No Siding P									311.1	NOME 1.8	1.8			1					- 4
Yard BKWOTYP	5.15 PM	7.40AM	s 11.20M	s 11.05 P	M s 4.25PM		s 2.55 A	s 2.40AM	312.9	TO-R BAKERSFIELD	0.0	12.05AM	1.40AN	3.45 AN	6.30AN	1.16PM			10.00 AM
	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	(DGE C)	(111.1)	HUR	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	1	Leave Daily
	(3.20)	(3.20) 32.22	(3.20)	(0.33) 36.90	(2.35) 41.57	(0.57) 35.36	(2.20) 46.02	(2.35) 41.57		Average Speed per Hour		(2.35) 41.57	(2.20) 46.02	(3.45) 28.64	(0.30) 40.60	(2.29) 43.24	(1.00) 33.60	1344	(3.20) 32.22

Schedule time and train orders for eastward trains at Calwa Tower apply at end of double track, 360 feet west of the tower.

Schedule time and train orders for eastward trains at Famoso apply at junction switch of Porterville Line.

Schedule time and train orders for trains at Oil Jct. apply at crossover switch just west of Signal 3086.

ADDITIONAL STATIONS:	Muscatel Calwa Winedale Midvalle Alfac (Sp
	Quall (Sp

Train	At	Receive or Discharge	To (or beyond)	From (or beyond)	Frequency		
60 60 56 55 52 26 59	Selma Tulare Delano Any Station Any Station Delano Delano Tulare	Discharge Discharge Discharge Discharge Discharge Discharge Receive & Discharge Receive	Los Angeles Stockton Stockton	Stockton Stockton Stockton Delano Los Angeles Ogden Tracy	Daily		

		FIRST CLASS		TI .		1		EIDGT	CLASS	
Capacity of Sidings in Car Lengths	A20 9867*	346 Motor	58 Sequoia	Distance from San Francisco	Time Table No. 159 January 15, 1939	Distance from Famoso	345 Motor	57 Sequota	GLASS	Me la
ara	gra	Leave Daily	Leave Daily	Aw	STATIONS	•	Arrive Daily	Arrive Daily		41
BKWOTYP Yard		7.15PM		205.5	TO-R FRESNO	104.3	s 10.20 AM	7.		100
I				207.0	TO SUNMAID TOWER A. T. & S. F. Crossing	102.8				1 58
Arres Feddy	offer Jupin Bully	7.26	April Division	208.5	BLOSSOMA	101.3	f 10.08	DATES	0.7171	-
19 P		7.30		211.8	BUTLER	98.0	f 10.03			
PY	area a later		22 2	213.0	LOCANS	96.8	f	THE CHAPTER		1 1 1 1 1
60 P		7.34		214.5	IVESTA	95.3	f 9.59	CECTS A BUSI	11-9720	I OAKTE
77 P		f 7.36		215.9	CLOTHO	93.9	f 9.56	THE INC.		-
0 Yard WP	100	s 7.44		219.8	TO SANGER		s 9.50	- 1000		
14	10.7	f 7.48		222.8	TARN	90.0	f 9.42	4555		9.150
P	70.7	f 7.52	- 1	225.3	FARGO	87.0		- JEONETT		0,123
P	137.73	f 7.56		227.9	2.6	84.5	f 9.38			I SEATA
		. 1.55	BULL	228.0	A. T. & S. F. Crossing (Stop)	81.9	f 9.34	T Wilderfold		5.381
85 Yard P		s 8.02			TO REEDLEY	81.8		ALITY LAS	E 170001	Especial Control
3 Yard WP		s 8.02 s 8.11		229.9	5.1 —	79.9	s 9.28	TYLE		. 558
	1 1 1	s 8.11		235.0	TO DINUBA	74.8	8 9.18	STANSON.		17 0.050
23 P		UALBA	10000	PS255.3.3	SMYRNA 2.4	72.6	f	agordon	W 021	1.385
ES CT	70 17	f 8.18	W/L DE	239.6	MONSON 4.0	70.2	f 9.08	DRUGAR		1.110
24 P	00 1 0	33.068	16.01	243.6	A. T. & S. F. Crossing (Stop)	66.2		MEDIAN.	-02	1.04.000
21	62.4 63	8.30	26.01	246.4	TAURUSA	63.4	f 8.56	1.640	1.4	1.1-10
P -	Q8 E DI	8 8.37	1000	249.4	TO IVANHOE	60.4	s 8.51	4/11/2/11	. 11.00	
		f 8.41		252.2	ROCHE 0.9	57.6	f 8.46	DIVINITION	MUST AT	F.Cus
24 P		8.43	PO OF	253.1	CAPLIN 4.3	56.7	f 8.44	RELITERO		0.000
WYP Yard		s 8.55	8.35AM	257.4	TO-R EXETER	52.4	s 8.35	s 7.50PM		0.000
13		f 9.00	8.45	260.5	BURR 3.8	49.3	8.25	7.44		Louis
124 P Yard		s 9.08	s 8.53	264.3	TO LINDSAY	45.5	s 8.20	s 7.38		1.60
38 P	tools along	8 9.15	s 9.00	268.6	TO STRATHMORE	41.2	s 8.10	f 7.28	_#-07	1.000
16		f		270.9	ZANTE 3.5	38.9				
20 P		s 9.30	s 9.10	274.4	PORTERVILLE	35.4	s 8.00	s 7.20		
42 KWYP Yard		9.33	9.25AM	274.8		35.0	7.57	7.10PM	WILLIAM TO SERVICE	
19		9.36		276.5	PONCA	33.3	7.54			
25		f		278.0	g rois	31.8	f			
23 P		8 9.46		282.6	TO TERRA BELLA	27.2	f 7.45			
69 KP		s 9.55		287.1	TO-R DUCOR	22.7	f 7.38	M. Gridde Jida	COUNTY FOR	STATE DAY
23 P		f 10.00		290.0	ORRIS	19.8	f 7.32			
Spur		f		291.5	VESTAL	18.3	f			
67 4 YP		f 10.07		294.9	RICHGROVE	14.9	f 7.25		1 1000	
24 P		f10.13		299.0	JASMIN	10.8	f 7.19			-
KWTP*		s 10.30PM		309.8	TO-R FAMOSO	0.0	7.03AM			
1 4		Arrive Daily	Arrive Daily		(104.3)	0.0	Leave Daily	Leave Daily		
		(3.15) 32.09	(0.50) 20.88		Time over District		(3.17) 31.76	(0.40) 26.10		

FRESNO SUBDIVISION

	EASTWARD	88	Time Table No. 159	8	WESTWARD
Capacity of Sidings in Car Lengths	OUNTAL TRACE	Distance from San Francisco	January 15, 1939	Distance from Clavicle	
0.00	82 L 24 L	Distr	Success Branch	Dista	ats
		and areas	STATIONS	577	Se office of
Yard 42 BKWYP		274.8	TO-R PORTERVILLE-OLIVE ST.	13.3	Late of the
entire tel	AND MALE STATE OF THE STATE OF	275.6	A. T & S. F. OROSSING (Stop)	12.5	gjigd aradi
		278.6	PERNU JOT.	9.5	Transaction of the last of the
21		280.0	WORTH	8.1	I I I I I I I I I I I I I I I I I I I
32		282.4	SUCCESS	5.7	9-00
6		288.1	OLAVIOLE	0.0	N. author
the second			(13.3)		

FRESNO SUBDIVISION

8 15	EASTWARD	68,0	Time Table No. 159	18.7	WESTWARD
Capacity of Sidings in	Tan Team	rancisco	January 15, 1939	Distance from Pernu	75/8 PM/(1974)
Car Lengths	12.10.0 M. co.a	Distance San Fran	Pernu Branch	Metan	LATE 75 mi
F Br.	1 80.01 - 67.8		STATIONS		The Louis and
P. 1-2-		278.6	PERNU JOT.	1.3	J
Spur		279.3	TANDY 0.6	0.6	Harrie Pay
Spur	G 2 41 E8.0	279.9	PERNU	0.0	
			(1.3)	L.	male and their

......Time over District..........Average speed per hour.......

FRESNO SUBDIVISION

	EASTWARD		Time Table No. 159		WESTWARD
Capacity of Sidings in Car Lengths		Distance from San Francisco	January 15, 1939	Distance from Jovista	
Car Lengths		Jistar San F	Richgrove Branch	Dista	
		1.0	STATIONS		
67		294.9	RICHGROVE	4.1	
50		297.6	TROCHA	1.4	
40		299.0	JOVISTA	0.0	
			(4.1)		

TEHACHAPI SUBDIVISION

WARD	MESI			EAS	STWARD	0							3			Time Ya	WE	ESTWAR	₹D			to estimate
	SE	COND CLA	155	the off the state			FIRST	CLASS		AD- 11	по	Time Table No. 159	8		SOIL ION O	FIRST	CLASS	6302-1	Balletti-	TH	IIRD CLAS	15
	816	814	812	810	56	2	52	24	60	26	rancisco	January 15, 1939	ance fro	55	9	51	23	25	59	811	813	815
Capacity of Sidings in Car Lengths	Freight	Freight	Freight	Freight	Tehachapi	Santa Fe Passenger	San Joaquin	Santa Fe Passenger	West Coast	Owl	Dista	115 916 .	Dist	Tehacha	Santa Fe Passenger	San Joaquin	Santa Fe Passenger	Owl	West Coast	Freight	Freight	Freight
Contract Con	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily		STATIONS 80	of it	Arrive Da	lly Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily
BKWOTYP Yard				TOTAL PARTY	11.40PM	NEW YEAR	4.33PM		3.05 AM	2.50 AM	312.9	TO-R BAKERSFIELD	67	.8 s 3.25	AM	s 1.08PM	16.115	s11.55PM	s 1.30AM			
KI P	6.30PM	11.55AM	6.05AM	12.01 AM	11.42PM	7.20PM	4.35	8.25 AM	3.07	2.52	313.6	TO-R KERN JOT.	67	.1 3.22	12.05PM	1.06	9.50PM	11.52	1.27	8.55 AM	6.00 PM	2.35AM
No Siding P	Farm	1430									317.0	MAGUNDEN	63	.6	Alle	1 2 7 30	N. B. B. S.					
No Siding P					f						320.1	EDISON	60	.6 f	ORTO	0	1 1 1 1		2814			
80 P	6.55	12.20 PM	6.30	12.26	12.05AM	7.39	4.53	8.44	3.27	3.11	327.9	BENA 3.4	52	2.59	11.484	M 12.49	9.32	11.30	1.05	8.22	5.30	2.10
85 P	7.03	12.44	6.38	12.34	12.11	7.44	4.58	8.49	3.33	3.17	331.3	ILMON 3.9	49	2.53	11.43	12.44	9.27	11.24	12.59	8.12	5.21	2.00
East 68 West 68	7.18	12.54	6.50	12.49	s12.21	7.53	f 5.07	8.58	3.42	3.25	335.2	TO CALIENTE	45	s.5 s 2.43	f11.34	f12.36	9.18	11.15	12.49	8.00	5.07	1.48
82 I P											338.2	ALLARD 2.3	42	2.5 2.32	11.26	12.28	9.10	11.08	12.42	7.50	4.45	1.39
West 71 East 71 IWP					12.37						340.5	TO BEALVILLE	40	0.2	phasis A	A V A	0.822		12.37			-
71 IP	7.45	1.17	7.17	1.11	12.43	8.10	5.24	9.15	3.59	3.42	342.3	OLIFF 3.2	35	3.4	33.7(1)	THE OWNER	0 0.850		60.0			2.24
East 73 West 73 P	7.55	1.27	7.27	1.21	12.50	8.17	5.31	9.22	4.06	3.49	345.5	ROWEN	3!	5.2 2.16	11.10	12.12	8.55	10.52	12.26	7.27	4.27	1.21
123 IWP No.2Siding66	8.15	1.47	7.55	1.45	f 12.59	8.25	f5.39	9.30	4.15	3.57	348.8	TO WOODFORD	3	s 2.08	11.03	f12.05PM	8.48	10.44	12.18	7.17	4.17	12.59
99 P	8.24	1.57	8.10	1.58	1.07	8.32	5.46	9.37	4.22	4.03	351.8	WALONG 2.3	2	8.9 1.58	10.56	11.58 AM	8.42	10.37	12.11	7.07	4.07	12.47
West 69 IWP	F 200 SE SE	2.05	8.21	2.10	1.14	8.37	5.52	9.43	4.28	4.08	354.1	TO MARCEL	2	6.6 1.53	10.51	11.53	8.37	10.31	12.05AM	7.00	4.00	12.40
81 P	8.55	2.15	8.32	2.20	1.22	8.46	5.59	9.51	4.35	4.14	356.7	CABLE 3.9	2	4.0 1.47	7 10.45	11.47	8.30	10.25	11.59PM	6.52	3.52	12.32
100 Yard	9.14	2.30	8.45	2.35	s 1.33	f8.56	s 6.09	f 10.01	4.44	f4.24	360.6	TO-R TEHACHAPI	2	0.1 s 1.38	s 10.36	s11.38	f 8.21	f 10.15	11.50	6.40	3.40	12.20M
100 Yard YP				- WALTER	1.37	9.00	6.13	10.05	4.48	4.28	362.4	SUMMIT SWITCH	1	8.3 1.32	10.33	11.35	8.18	10.11	11.47			
70 P					f 1.42	9.04	f6.17	10.09	4.53	4.33	365.0	MONOLITH 3.0	D 1	5.7 s 1.2°	7 10.29	f11.31	8.14	10.07	11.43			
YP Yard											368.0		bl 12	2.7				10000	55.0			
WP					1.49	9.10	6.23	10.15	4.59	4.39	369.9	OAMERON 4.4	Trac 1	0.8 f 1.1	7 10.21	11.23	8.06	9.59	11.35			
78 P					1.57	9.18	6.30	10.23	5.06	4.46	374.3	WARREN 6.4	R	6.4 1.0	7 10.13	11.15	7.58	9.50	11.26			10 3 20
Yard BKWOYP	10.25PM	3.45 PM	9.55AM	3.55AM	s 2.10AM	s 9.32 PM	86.43PM	10.37AM	5.20 AN	M s 5.00 AM	380.7	TO-R MOJAVE		0.0 12.50	9.58/	AM 11.00 AM	7.43PM	9.35PM	M 11.10PM	5.40AM	2.40PM	M 11.20P
	Arrive Daily	Arrive Daily	Arrive Daily	y Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily		(67.8)		Leave Da	ily Leave Daily	y Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily
	(3.55)	(3.50) 17.50	(3.50)	(3.54) 17.20	(2.30) 27.12	(2.12) 30.50	(2.10)	(2.12) 30.50	(2.15) 30.13	(2.10) 31.29		Time over DistrictAverage Speed per Hour		(2.35) 26.24	(2.07) 31.70	(2.08) 31.78	(2.07) 31.70	(2.20) 29.05	(2.20) 29.05	(3.15) 20.64	(3.20) 20.13	(3.15) 20.64

Schedule time and train orders at Tehachapi apply at end of double track.

Train	At	Receive or Discharge	To (or beyond)	From (or beyond)	Frequency
59	Tehachapi	Receive	Stockton		Daily
.071			7 15 -14		4

COALD VESSE.

			EAST	WARD						Alb Years	98	WESTWARD							
	SECOND	CLASS				FIRST	CLASS		from	Time Table No. 159	e from	ary 13, 11m	FIRST	CLASS	88		т	HIRD CLASS	
Capacity of Sidings in	free	816 Freight	814 Freight	810 Freight	52 San Joaquin	60 West Coast	26 owl	56 Tehachapi	Distance San Fran	January 15, 1939	Distance Burbank	51 San Joaquin	25 0wl	59 West Coast	55 Tehachapi	811 Freight	813 Freight	815 Freight	
Car Lengths	811	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily		STATIONS		Arrive Daily	Arrive Daily		Arrive Daily			Arrive Daily	
BKWOYP Yard		11.25PM	4.50PM	4.40AM	6.48PM	5.25 AM	5.05 AM	2.30AM	380.7	(TO-R MOJAVE	90.9	s 10.57AM	a Q 25 PM	s 11.06PM	. 12 22 18	5.05 AM			
84 P	A 0	11.35	5.00	4.50	6.54	5.31	5.11	2.36	384.8	TO-R MOJAVE 4.1 FLETA	86.8	10.51	9.19	11.00	12.27	4.50	1.40PM		
85 P		11.40	5.05	5.00	6.57	5.35	5.15	2.40	387.3	2.5 GLOSTER	84.3	10.48	9.15	10.56	12.23		1.25	10.16	
81 P		11.46	5.11	5.06	7.01	5.40	5.20	2.45	390.4	ANSEL	81.2	10.44	9.10	10.56		4.46	1.15	10.11	
80 P		11.53PM	5.18	5.13	7.06	5.46	5.26	f 2.52	394.3	3.9	77.3	10.39	9.04		12.18	4.41	1.06	10.03	
50 P	0.00	12.02AM	5.28	5.23	7.12	5.54	5.34	3.00	399.9	ROSAMOND 5.6		10.32		10.45	f 12.12	4.35	12.58	9.56	
BKWOP 74 Yard	79	12.30	5.45	5.42	s 7.20	6.02	5.42	8 3.11		OBAN 5.6	71.7	F 7 1 1 1 1 1 1 1	8.56	10.37		4.26	12.48	9.46	
50 P		12.43	6.00	6.08	7.25	6.08	5.48	3.18	405.5	TO-R LANCASTER 4.3 DENIS	66.1	s 10.25	f 8.48	10.28	s 11.52PM	4.17	12.38	9.36	
68 WY P		12.51	6.08	6.28	f 7.30	6.13	5.53		409.8	4.0	61.8	10.19	8.40	10.18	11.38	4.10	12.29	9.28	
90 P		12.58	6.15	6.35	7.33	6.17	5.57	8 3.27	413.8	TO PALMDALE	57.8	10.14	8.35	10.13	s 11.33	4.04	12.21	9.20	
Cast 75 Yard Vest 81 YP		1.20	6.45	7.00	7.43	6.29		3.32	416.3	HAROLD 4.2	55.3	10.10	8.31	10.09	11.26	3.57	12.14PM	9.13	
84 P		1.34	6.59	7.19	7.53		6.09	3.45	420.5	TO VINCENT	51.1	10.01	8.22	10.00	11.17	3.45	11.59AM	9.00	
13 P		1.01	0.00	1.19	1.53	6.39	6.19	3.56	425.0	PARIS 1.1	46.6	9.51	8.11	9.49	11.07	3.22	11.32	8.35	1988
95 WP	word inc	1.50	7.21	7.41	8.02			f 4.00	426.1	ACTON 2.9	45.5	1207207			f11.04				
82 P		2.15	7.36	7.58		6.48	6.28	1 4.09	429.0	RAVENNA 5.6	42.6	9.42	8.02	9.40	f 10.56	3.09	11.19	8.02	
101 WP	77 mm	2.39	700		8.14	7.00	6.40	4.22	434.6	RUSS 4.2	37.0	9.30	7.47	9.26	10.44	2.52	11.02	7.36	
85 P	UV ISTATOR		8.05	8.11	8.23	7.09	6.49	f 4.33	438.7 438.8	TO LANG	32.8	9.22	7.38	9.17	f 10.35	2.39	10.49	7.19	
81 P	,	2.53	8.18	8.24	8.32	7.18	6.58	4.44	443.1	HUMPHREYS	28.5	9.13	7.28	9.08	f 10.26	2.27	10.37	7.07	
W 78 Yard	-011-04	3.05	8.30	8.36	8.41	7.27	7.07	4.54	446.9	HONBY	24.7	9.05	7.19	8.59	10.17	2.16	10.26	6.56	The state of
71BKWOYP	0000	3.20	8.50	8.57	s <u>8.50</u>	7.35	f 7.15	s 5.05	450.6	TO-R SAUGUS	21.0	f 8.57	s 7.10	8.50	s 10.08	2.05	10.15	6.45	
80						NT I		f	453.0	NEWHALL 0.7	18.6	Except 1			f				
-		i tratanti			8.58	7.40	7.20	5.10	453.7	ELAYON 0.7	17.9	8.51	7.04	8.44	9.56				
58 P		2.40	0.10	0.55				SHIFT	454.4	WALTZ JOT.	17.2	MAD THE	10 11		AL A				
83 P	0.00	3.48	9.18	9.30	9.05	7.49	7.31	5.21	456.6	TUNNEL 2.6	15.0	8.42	6.57	8.38	9.50	1.37	9.49	6.20	100
Yard 105 WP		3.58	9.27	9.40	9.09	7.53	7.35	5.26	459.2	SYLMAR 2.6	12.4	8.37	6.52	8.34	9.45	1.27	9.40	6.12	
		4.10	9.40		s 9.14	7.58	7.41	s 5.33	461.8	TO SAN FERNANDO	9.8	s 8.33	6.48	8.30	s 9.40	1.14	9.30	6.05	
85 P		4.15	9.54	10.01	9.17	8.01	7.45	f 5.38	463.4	PACOIMA	8.2	8.30	6.45	8.27	9.34	12.59	9.20	5.50	
39 P									465.6	WAHOO 2.3	6.0								
96 P		4.26	10.05	10.16	9.25	8.07	7.52	f 5.46	467.9	ROSCOE	3.7	8.24	6.39	8.21	9.25	12.47	9.10	5.40	
52 PI		4.38AM	10.17PM	10.30AM	9.31 PM	8.13AM	7.59AM	5.54 AM	471.6	TO BURBANK JOT.	0.0	8.18AM	6.33PM	8.16PM	9.15 PM	12.35AM	9.00AM	5.25PM	
		Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily		90.9		Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	
1	The state of	(5.13) 17.42	(5.27) 16.67	(5.50) 15.58	(2.43) 33.46	(2.48) 32.46	(2.54) 31.34	(3.24) 26.73		Time over District		(2.39) 34.30	(2.52)	(2.50)	(3.18) 27.54	(4.30) 20.20	(4.40) 19.46	(5.05) 17.88	

Schedule time and train orders for first class trains at Saugus apply at initial switch Middle Siding at which opposing trains enter Siding. See special rule 195.

Schedule time and train orders at Burbank Jct. apply at End of double track.

Intermediate Spur: Consolidated Rock Co. M.P. 465.1. Capacity 10 cars.

Train	At	Receive or Discharge	To (or beyond)	From (or beyond)	Frequency
26 26 59 60 25 59 59 26 60 60	Lancaster Palmdale Lancaster Lancaster San Fernando San Fernando Saugus San Fernando Saugus San Fernando	Receive Receive Receive Discharge Receive Receive Receive Receive Roceive & Discharge Discharge	Glendale Glendale Stockton Mojave Stockton Stockton Colton	Stockton Fresno Stockton Stockton	Daily

6						F	RESNO SUBDIVISION	LISIO	TICHELE SIVALORY	THE PERSON NAMED IN				FRESNO SUBDIVISIO	
		E	STWAR	D	1				WEST	WARD		EASTWARD			WESTWAR
		132	DI WIII	FIRST	CLASS		Time Table No. 159		FIRST CLASS			7 - 0	CANT	Time Table No. 159	
apacity of Sidings in	Fami	Cyo a soul				encisco	January 15, 1939	er from	57		SSETIO A	are constant	se from	January 15, 1939	
Sidings in ar Lengths	h		818	118	58 Sequoia	Distan San Fr	Riverdale and Visalia Branches	Distance fro Exeter	Sequoia	80	88	Capacity of Sidings in Car Lengths	Distance from San Francisco	Coalinga Branch	Distance fro
		Harry I.	dayled	Villeys V	Leave Daily	NO SEE	STATIONS		Arrive Daily	The same of		Car Deliguis			_ Ā
Y		died egol i	July September	dust in this in	144 may 1	181.9	INGLE 5.3	82.5	ASSUTATE TO THE	All the same of	veteral v	elread the med the		STATIONS	
39			aria I	Cho. H		187.2	TRANQUILITY	77.2	The state of the s	a later sill	OFFI TO SERVICE	16 Spur	269.9	ORUMP	40.6
56		91.01	No. 1	00.0		191.7	SAN JOAQUIN	72.7			112	71 YP Yard	268.4	TO-R COALINGA	39.1
			NAME OF TAXABLE PARTY.	40.0		195.0	CALDWELL	69.4	ATTENDED TO THE PARTY OF THE PA	ar I long		20 P	266.7	ORA 	37.4
31	1111	-11.91	-9-11-11-11			199.1	TO HELM	65.3		and I was to	ne h	20 P 10 T 30	260.0	TURK	30.7
15		E0.0.C	00.0	15-81	10.4 - 10.4 - 1	206.3	BURRELL	58.1		of teach		39 P	252.7	TO HURON	23.4
10		0.0,00	86.51	260-0-1	CT 013	209.5	BENDER	54.9		40.0		58 P	246.1	WESTHAVEN	16.8
			-53-51-1	35.3	120-11	214.7	TO RIVERDALE	49.7			CA.R.	11 P	239.4	LETHENT	10.1
13		28.0	.66,67	41.4	202.1111		2.6 ROBINSON	47.1				15 YP	236.5	ROSSI	7.2
8pur		66.0	12.29	0.7.6	05.11	217.3	2.0 — HUB	-					235.4	HEINLEN	6.1
Spur		9.20	10.51	101	88.114	219.3	1.8	45.1		12		14 Spur		TO LEMOORE	4.6
		JE Life	12.146	18.52	45.11	221.1	LATON & WESTERNRY.CROSSING (Stop)	43.3	- U 1047 A	115		57 P	233.9	4.6	0.0
53		9,00	198.11	364	Th. LLa.	224.2 223.0	HARDWICK 6.1	40.2	73.50G C		20.4	East 40 WYP West 35 Yard	229.3		-
est 40) WYP est 35) Yard		8,33	BS.EL	RE E J	.00 11.1	229.1	TO-R ARMONA	34.1	- 237.04			15.0		(40.6)	
I					10.111	232.2	A. T. & S. F. CROSSING	31.0		00.6.1	-				
66 BKP Yard	di mer	5.0.8	.01.11	00.A	azofi	232.5	TO-R HANFORD	30.7	AND THE PARTY OF T	St. 1.09 L.d.	ASA	20.9		Average open per troutilist	
Spur		7,36	50.11	68.6	AP OL	233.9	SHELL 3.7	29.3		4 22 1 48	05.8	10.7 P.L.S. 1 88			
54		o'r r	03001	NEK	AE (0.13)	237.6	REMNOY	25.6		W	24.3	D.7 ES 85 LT		FRESNO SUBDIVISION	ON
94 WOYP Yard		100		12.6	7.50AM	245.3	TO-R GOSHEN JOT.	17.9	s 8.45PM	40 1 25 2	1000	24 L S 22 L 24 L	1		1
41 P Yard		3.5 4	25.751	21.5	s 8.10	253.1	A.B.S. VISALIA	10.1	s 8.20	4.5 4.0	70.7	EASTWARD	B	Time Table No. 159	WESTWAR
						253.2	A. T. & S. F. CROSSING Stop	10.0				E. T	from	01.8 00.8	B
P		-			8.20	255.2	AMBLER	8.0	8.07				ce fr	January 15, 1939	ford ford
Spur			-			257.3	RECTOR	5.9	Transaction of the second	200		Capacity of Sidings in Car Lengths	Distance San Fran	Stratford Branch	Strat
7 P					8.26	259.0	FARMERSVILLE	4.2	8.01	(III)	C44. T 1	Car Lengths	200		- a
P				-	8.28	260.2	d GIANT OAK	3.0	7.58					STATIONS	-
74 KWYP	-	17210		77.1	s 8.35AM		TO-R EXETER	0.0	7.53PM	10.0	Mary-1	40	244.1	TO STRATFORD	0.0
Yard		15.1,0	99-4	TR-	Arrive Daily	18 8	(82.5)		Leave Daily		CELY	Spur	239.9	OUNEO 3.4	4.2
	,	_MA_	00.9			DE B	(1-3 - EE 11 - 12 - 12 - 12 - 12 - 12 - 12 -	-			EAT.	15 YP	236.5	ROSSI	7.6
		6.50	06.6	65911	(0.45) 23.87	122.43	Average Speed per Hour		(0.52) 20.65	AM I BE C 3				(7.6)	
		-	016	75.51	02.0	10.0	96.0 66.8 14		TOORING .	one	7,53	TO B . BE. 0 01		Average Speed per Hour	
							3. Stifts North Spring science								
	1.														
	-1														
	en novêm		CONTRACTOR NO	20121241 217											
							- 1								

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EASTWARD			Linea I	WESTWARD
EASTWAND	NO.	Time Table No. 159	WILLIAM	
Capacity of Sidings in Car Lengths	Distance from San Francisco	January 15, 1939	Distance from Friant	
	Dist	Clovis Branch	Dist	
	Water of	STATIONS		
Yard BKWOTYP	205.5	TO-R FRESNO	24.4	Long of the teat R
1	207.1	FRESNO TOWER A. T. & S. F. CROSSING 2.3	22.8	
Spur	209.4	BARTON 2.2	20.5	
Spur	211.6	GRANZ 0.2	18.3	
8pur	211.8	MALTERMORO 0.3	18.1	
	212.1	NAVIN 0.8	17.8	
17	212.9	LAS PALMAS	17.0	
	213.2	FRESNO INTERURBAN RY. CROSSING	16.7	
No Siding	213.9	VANRIS	16.0	
27	214.9	TARPEY	15.0	
24	216.1	MELVIN	13.8	
37 W	217.4	TO CLOVIS	12.5	
9	218.5	GLORIETTA	11.4	
67	220.9	PINEDALE	9.0	
38	222.9	GORDON 2.8	7.0	
	225.7	ROOKFIELD	4.2	
	226.0	GAND	3.9	4772
34 WT Yard	229.9	FRIANT	0.0	

EASTWAR	D			WESTWARD
1257 /	from netisco	Time Table No. 159 January 15, 1939	from	Tana and
Capacity of Sidings in Car Lengths	Distance from San Francisco	McKittrick Branch	Distance from Olig	208 No.
nia 1		STATIONS	Land	Total Indiana
Yard KI	313.6	TO-R KERN JOT.	49.1	Tanana I
P	315.3	BAKERSFIELD CORRALS	47.4	MOD A COOM
15	316.7	STRADER	46.0	
39 P	318.8	WIBLE ORCHARD	43.9	
	320.5	VENOLA	42.2	The second
50 P	322.6	R GOSFORD	40.1	
41	328.4	STEVENS	34.3	COLUMN YES
Spur	330.7	STRAND 5.4	32.0	
60 000	336.1	RIO BRAVO	26.6	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	345.4	KILOWATT	17.3	THE RESERVE TO SERVE THE PARTY OF THE PARTY
85	346.3	TO BUTTONWILLOW	16.4	The same
59	350.5	LOKERN 10.1	12.2	
30 Y	360.6	McKITTRIOK	2.1	TO THE WAY THE
0.0	362.7	OLIG	0.0	
40.0		(49.1)	152	

.....Time over District...... Average speed per hour....

.....Time over District...... Average speed per hour....

SUNSET RAILWAY COMPANY

Capaci of Siding in Car Len		EAST- WARD	Distance from Gosford	Time Table No. 159 January 15, 1939 STATIONS	Distance from Maricopa	WEST- WARD	Capacity of Sidings in Car Lengths	EAST- WARD	Distance from Pentland	Time Table No. 159 January 15, 1939	Distance from Taft	WEST- WARD
50	P		0.0	R GOSFORD	31.9			7		STATIONS		1/4
14	P		3.0	BANNISTER 6.5	28.9		Yard 39 Y		0.0	R PENTLAND	8.7	
40	43		9.5	CONNER 4.7	22.4		47		2.2	KERTO	6.5	
41	Ŵ.		14.2	MILLUX 2.6	17.7				3.5	WINOIL	5.2	
			16.8	LEVEE	15.1				7.3	LOWRY	1.4	THE RESERVE
Yard 39	Y		27.4	R PENTLAND	4.5	Via A			8.7	TAFT	0.0	
28	40		30.1	HAZELTON	1.8					(8.7)		
Yard 17			31.9	R MARICOPA	0.0		-	-		-		-
	П			(31.9)		1	-			Average speed per hour		
	4.			Time over District					Te On			

SPECIAL INSTRUCTIONS

Southern Pacific Company Rules and Regulations of the Transportation Department, Air Brake Rules and Special Instructions in San Joaquin Division Time Table govern on Sunset Ry.

Train will not exceed the speed in miles per hour shown below:

BETWEEN	Pass.	Freight	Backing
Gosford and Pentland	30	25	15
Except M. P. 26 and Pentland	12	12	12
Pentland and Maricopa	12	12	12
Pentland and Kerto	12 12	12	12
Kerte and Taft East Switch Long Siding at Taft and derailer in main	20	20	15
track west of Taft	10	10	10

Exercise caution in going over sags in track between M. P. 26 and Maricopa and between Pentland and Kerto and do not exceed 6 miles per hour over sag in track 500 feet east of opening 11A, east of Taft.

At Pentland, normal position of junction switch will be for Taft line.

There is a spring derailer on main track 900 feet west of west switch at Taft.

RULE 93: Yard limits are established at:
Pentland Taft Maricopa.

Dr. A. R. Moodie, District Physician and Surgeon, Taft, California.

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MOJAVE SUBDIVISION

	EASTV	VARD		cor l	Field Date		WESTWA	RD
	SECOND	FIRST CL	ISS	E 9	Time Table No. 159		SECOND CLASS	THIRD
Capacity of Sidings in Car Lengths	802		788	Distance from San Francisco	January 15, 1939	Distance from Owenyo	789	803 Freight
	Freight		Mixed		Owenyo Branch	-	Mixed	Freight
	Leave Daily	Le	ave Daily L. Sunday		STATIONS	Beglefil	Arrive Daily Ex. Monday	Arrive Dail
BKWOYP Yard	4.00PM		1.25 AM	380.7	TO-R MOJAVE	143.5	s 12.30AM	11.05
45	4.04		1.29	380.8	OHAFFEE	142.2	12.20	10.55
48	4.11		1.36	384.0	OAMBIO	139.0	12.05AM	10.40
48	4.30		1.55	392.9	NEURALIA	130.1	11.45PM	10.20
48	4.40		2.04	397.3	OINOO	125.7	11.30	10.05
East 48 W West 48	5.00	s	2.19	402.5	5.2 CANTIL	120.5	s11.15	9.50
Spur		f	4-1	405.3	GYPSITE	117.7	f	
35	5.15	f	2.30	407.5	OENEDA	115.5	f 10.50	9.20
13	5.18	f	2.32	408.5	SALTDALE	114.5	f10.45	9.15
48	5.30		2.40	412.2	GARLOOK	110.8	10.35	9.00
48	5.40		2.49	416.4	GOLER	106.6	10.25	8.45
48	5.55	f	3.00	420.5	RAND	102.5	f 10.15	8.30
48 Yard	6.15 PM	8	3.45	428.4	TO-R SEARLES	94.6	s 9.55	8.00
48		f	3.55	432.8	RADEMACHER	90.2	f 9.10	
52			4.06	438.3	OODE	84.7	8.55	
48		8	4.28	447.2	INYOKERN	75.8	s 8.35	
Spur W			4.38	451.7	LELITER	71.3	8.20	
48		8	4.48	456.3	BROWN	66.7	s 8.10	100
48			4.57	460.7	LINNIE	62.3	7.53	
47		8	5.15	468.3	LITTLE LAKE	54.7	s 7.35	
48		f	5.25	471.5	00SO 4.1	61.5	f 7.25	
48	- N 198 9 - 197	f	5.35	475.6	SYKES 8.5	47.4	f 7.15	
47 W		f	5.57	484.1	HAIWEE	38.9	f 6.55	A IN AL
52			6.06	488.5	roco	34.5	6.45	100
48		f	6.16	493.3	OLANOHA	29.7	f 6.35	- Original
52	DE STREET	f	6.27	497.7	OARTAGO	25.3	f 6.25	Stanfield
52			6.37	502.3	MONACHEE	20.7	6.01	12192-12
52		f	6.46	506.3	BRIER	16.7	f 5.54	
		f		509.2	BARTLETT 5.1	13.8	f	080
52_ W			7.04	514.3	DIAZ	8.7	5.40	CHICA TO
East 28 . West 52		8	7.40	518.8	LONE PINE	4.2	s 5.30	
37 BKOY Yard	1.	8	7.55AM	523.0	TO-R OWENYO	0.0	5.15PM	
Taru	Arrive Daily	A	rrive Daily Ex. Sunday	dierob in	(143.5)		Leave Daily Ex. Sunday	Leave Dai

MOJAVE SUBDIVISION

EA	STWAR	Datable	(Narrow Gauge)	WI	ESTWARD
Capacity of Sidings in Car Lengths		Distance from	Time Table No. 159 January 15, 1939	Distance from Keeler	
		i i	Keeler Branch	ig	
	1,95	- de roga	STATIONS		- Jay-in
24 P		476.	BENTON 11.0	101.2	
13 YPW		487.		90.2	
12	1.00	489.	DETTY	87.8	
8		491.		85.9	
	1241	499.		78.1	5.00
Yard POTWK		506.		70.4	
20		511.		65.5	
10	1.01	516.		61.1	
14 P		522.	7 ZURICH	54.5	
40		525.	5 MONOLA	51.7	
10 Y	9-84 1-1	526.	8 BENEME	50.4	-01
8		530.		46.3	
20 PW		536. 536.	ADERDEEN	40.3	
14 PW		550.	1 KEARSARGE	26.4	
8		555.		21.3	
Yard OTPK		559		16.7	
14		563		12.8	
Spur		568		7.8	140
Spur		570		6.3	
Spur		571		5.1	
6		572		4.3	
Yard WYBK		576	.5 TO-R KEELER	0.0	
Te .			(101.2)		
TOAT		Teau	Time over District		rality to

RULE 3. Conductors on eastward Santa Fe trains originating at Bakersfield will show on reverse side of Kern Jct. register ticket watch comparison made at Santa Fe station Bakersfield, also comparison with

RULE 14 (d). As specified below, four long and one short sounds will be indication that flagman may return from west as prescribed by

Famoso......Trains on Porterville main track. Ducor..... Trains on Minkler-Southern Branch. Exeter..... Trains on Visalia Branch. Goshen Jet...... Trains on Riverdale Branch.

RULE 14 (e). As specified below, six long sounds will be indication that flagman may return from east as prescribed by Rule 99.

Fresno......Trains on Porterville main track and Clovis Branch.

Porterville..... Trains on Success Branch.
Rossi..... Trains on Stratford Branch.
Goshen Junction... Trains on Visalia Branch. Ingle..... Trains on Riverdale Branch. Richgrove..... Trains on Richgrove Branch. Magunden.....Trains on Arvin Branch.
Mojave.....Trains on Owenyo Branch.

RULES 17 and 19. Night signals will be displayed through tunnels. RULE 21 (C). In Bakersfield and Fresno indicators on engines must be displayed to relief track.

RULE D-71. Trains and engines may move between Calwa Tower and Clinton Ave., Fresno with current of traffic irrespective of time table

superiority but must avoid delaying first-class trains.

Inferior trains and engines may run ahead of first-class trains Bakersfield to Bena and Bena to Bakersfield, but will take necessary precautions to avoid delay to passenger trains.

RULE S-72. Westward trains are superior to trains of the same class in the opposite direction, except as noted on page 2.

RULE 83. Train registers are not maintained at Calwa Tower or Bena. When an observation check be made between Fresno and Calwa Tower, and between Bakersfield and Bena, it will apply at end of double track.

Trains approaching each other between these stations will reduce speed sufficiently to permit identification.

When first class trains on opposite track between Mojave and Tehachapi are identified, it will not be necessary to obtain check of such trains before making movements in the same direction between Summit Switch and Mojave.

Rule 14-k must be applied when approaching trains on opposite track. RULE 83 (A). At the following stations, only the trains indicated will register.

Oil Jet..... Lancaster Trains originating and terminating.

Famoso......Trains to and from Porterville main track. Tehachapi First and second class trains, and trains

and extras originating and terminating.

When directed to register at an intermediate station, an extra train must show in column captioned "signals," the number and date of train order authorizing its movement; also the restricting order if such an order is in effect.

RULE 83 (B). At open train order offices trains may register by ticket as follows:

Kern Jct......Santa Fe trains, S. P. first class trains and
Westward light engines.

Tehachapi.......First and second Porterville Olive St. First class trains. .First and second class trains.

Famoso.......Trains to and from Porterville main track.

Operator Kern Jct. will report arrival and departure Santa Fe firstclass trains to Operator Bakersfield, who will enter same on register.

Operator Kern Jct. will report arrival and departure of all scheduled trains to operator Santa Fe station Bakersfield, who will enter same on Southern Pacific register located at Santa Fe station Bakersfield.

RULE 83 (D). Westward Santa Fe trains via Southern Pacific will obtain clearance and train orders from operator Santa Fe station Bakersfield authorizing movement from Oil Junction westward.

Eastward Clovis Branch trains destined to Fresno Interurban obtain train orders or clearance from operator at Fresno Tower, authorizing movement over Fresno Interurban.

Trains to and from Riverdale Branch and Western Division must obtain separate Western and San Joaquin Division clearances.

Trains via Visalia and Riverdale branches must obtain clearance before leaving Goshen Jct. when operator on duty. Trains to and from Santa Paula Branch must obtain a clearance before leaving Saugus.

San Joaquin Division routed trains must obtain San Joaquin Division clearance authorizing movement west of Burbank Jct., in addition to Los Angeles Division clearance, at initial station on Los Angeles Division. Each clearance must be properly designated.

Eastward trains from San Joaquin Division are authorized to assume corresponding schedule on Los Angeles Division from Burbank Jct. to terminal station of schedule. Trains to and from San Joaquin Division are not required to obtain clearance at Burbank Jct. provided train is properly cleared by train-order signal.

RULE 83 (E). A train when authorized by train order, may check the register against an extra train, and proceed if such extra train appears on the register with the number and date of its restricting order registered in column captioned "Signals".

When a train is so authorized to check the register, it must register and place the restricting order number and date in column captioned

RULE 93. Yard limits are established at:

Fresno	Lancaster	Visalia
Selma	Vincent	Hanford
Kingsburg	Saugus	Armona
Goshen Jct.	San Fernando	Hardwick
Tulare	Sanger	Coalinga
Delano	Reedley	Friant
Bakersfield	Dinuba	Searles
Tehachapi	Exeter	Owenyo
Summit Switch	Lindsay	Keeler
Eric	Porterville Olive St.	Contractor and a
Mojave		The four

Fresno: Limits are defined by yard limit signs at the following points:

Kerman Line......Mile Post 206.32. Merced Line. Mile Post 199.08.
Bakersfield Line. Mile Post 210.81.
Porterville Main Track Mile Post 208.15. Clovis Branch..... Mile Post 209.6.

Trains or engines will not move against current of traffic on double track between Divisadero Street and Clinton Avenue and between Cherry Avenue and Calwa Tower, Fresno, except on authority of Yardmaster. When making movements against current of traffic, trains or engines must be preceded by flagman over railway and street crossings at grade where wigwags are installed, protecting these crossings during movements.

Trains arriving and departing via Los Banos line at Fresno will receive proceed signal from herder at Divisadero Street, green flag by day and green light by night.

Westward trains or engines must receive proceed signal from yardman at Kern Street; and eastward trains or engines must receive proceed signal from yardman at Merced Street.

Mojave: First class trains may pass through Mojave without hand signals, providing switches are properly lined for such movement, and will move with caution irrespective of timetable superiority between Signals 3802 and 3811. Inferior trains entering or leaving Mojave must receive green signal unless yardmaster or his subordinate notifies train

receive green signal unless yardmaster or his subordinate notifies train that they may enter or leave without green signal.

Trains leaving east end of yard may proceed without signal from herder provided they are notified switches are properly lined.

Trains from Owenyo Branch stop before fouling main track or blocking highway crossing regardless of position of derailer or signals received.

Unless yardmaster or his subordinate instruct otherwise, crossover movement from Owenyo Branch to Mojave will be made as follows: First throw derailer on Owenyo Branch second throw trailing point switch on

throw derailer on Owenyo Branch, second throw trailing point switch on eastward main track, third crossover switch on westward main track, fourth Owenyo Branch switch—then wait three minutes before proceeding.

Be governed by Rule 93. Following code of signals will govern eastward trains entering yard:

Southern Pacific: Passenger trains.....One long.

Freight trains..... One short, one long, one short. Santa Fe:

Passenger trains.....One long, one short.
Freight trains....One long, one short, one long.

RULE 95. Eastward trains from San Joaquin Division holding train order authority to display signals for following section to Burbank Jct. are authorized to display signals to terminal station of schedule on Los

RULE D-97 (A). Will apply between Tehachapi and Summit Switch.

Eastward extra trains with running orders terminating at Burbank

Junction may proceed beyond that station without a clearance, being governed by train order signal.

RULE 98. RAILROAD CROSSINGS AT GRADE NOT INTERLOCKED

A. T. & S. F. Railway, 744 feet east of Lacjac, STOP.
A. T. & S. F. Railway, 14718 feet west of Taurusa, STOP.
A. T. & S. F. Railway, 602 feet east of Visalia, STOP, and not pass over crossing without receiving proceed signal from flagman, who must precede train.

Laton & Western Railway, 1.8 miles east of Hub, STOP.

A. T. & S. F. Railway (on Success Branch), 4515 feet east of Porterville,

Fresno Interurban Railway, 1771 feet east of Las Palmas.

Fresno-Trains from Clovis Branch and Porterville main track stop at "stop" board at junction of these lines.

Goshen Jct .- Trains from Visalia Branch stop at "stop" board east

end of yard.

End of the Visalia Branch will be at first switch east of the station

End of the Visalia Branch will be at first switch east of the station

RULE 103 (A). At Selma no switching movements will be made over West Front Street while switching industrial tracks east of station and opposite Libby, McNeill and Libby Plant unless crossing is protected by member of crew.

No train, engine, car or motor shall be stored within 100 feet of either property line of County Road Crossing or Western Dairy Products track at Tipton, unless crossing is protected by flagman.

At Armona no switching movements will be made over Lake Street crossing unless protected by member of crew.

Trains switching Knudsen Laboratories, Inc. (Creamery) Spur, Visalia, must stop before making reverse movement across Goshen Avenue crossing.

Avenue crossing.

When using spur track leading to freight station, Bakersfield, member of crew will see that highway traffic on U. S. Highway 99 is protected. After having entered upon crossing, it should be cleared as quickly as practicable.

In general, highway crossing signals are so designed that they will not operate for trains or engines making a reverse movement after having passed over the crossing. Trains or engines making such reverse movements must protect the crossing unless it is known signals are operating.

RULE 104. The normal position of switches at junctions will be for main tracks.

Exceptions:

Fresno Yard, Clinton Avenue (end of double track) for eastward track. This is an oil buffer spring switch. Fresno, junction Los Banos line, for eastward track. This is an oil

buffer spring switch.

Bena (end of double track) for westward track. This is an oil buffer spring switch.

Tehachapi (end of double track) for eastward track.

Mojave (end of double track) for westward track.

Saugus (Santa Paula Branch switch in middle

Gosford......for Sunset Railway

Switch at stem of wye McKittrick must be set for direct movement along the east leg of wye to serve as derail for cars spotted on stem of wye. Derailers in main track.

McKittrick. East wye switch is spring switch and serves as derail. Porterville. 310 feet east of junction switch on Success Branch. Mojave. 230 feet east of junction switch on Owenyo Branch. Famoso. 168 feet west of junction switch, on Porterville main track.

RULE 104 (D). Use of heavier than C class engines in making running switches is prohibited unless engine is routed over other than divergSPECIAL INSTRUCTIONS

RULE 105. Track next to and north of main track at Ducor will be used as siding No. 1. Second track north of main track, will be used as Minkler Southern Ry. main or No. 2 track. Trains will use extreme east switch to enter or leave Southern Pacific main track. Inside switches

will be left lined for Siding No. 2.

At Caliente, Bealville and Marcel the siding next to main track will be used as eastward siding, adjoining track will be used as westward siding. Inside siding switches are oil spring switches and normal position is for train entering siding. Trains entering siding passing an inoperative signal must assure themselves this switch is properly lined.

At Rowen the siding east of the crossovers will be used as the westward siding, the one west of the crossovers as the eastward siding.

Track (No. 1) next to main track west of station at Tehachapi will

be used as westward siding.

At Vincent siding next to main track will be used as eastward siding, adjoining track will be used as westward siding.

Trains using other than the designated siding, unless authorized by

the dispatcher, must be preceded by a flagman.

In the territory between Caliente and Tehachapi trains using sidings

designated for trains in the opposite direction must do so with caution expecting to find sidings occupied.

At Saugus the siding east of the station is the westward siding and the siding west of the station is the eastward siding. Track opposite station extending from westerly connection 863 feet east of station to connection with main track 722 feet west of station shall be known as middle siding. First-class trains meeting at Saugus use middle siding unless otherwise

RULE 221. Light will not be displayed in train order signals on Clovis, Riverdale, Coalinga, Stratford, Visalia, McKittrick, Keeler branches and Sunset Ry., except when train orders are to be delivered.

Trains will not be required to obtain clearance at Kern Jct. and Bakersfield except when such trains originate or receive orders at these

RULE 824. Instructions for setting brakes.

MOJAVE

- PASSENGER TRAINS-When road engine is detached, two brakes on east end and two brakes on west end on trains of 16 cars or less will be set. When train is set out to tie up, at least half of the brakes on the train will be set but in case train consists of 2 or 3 cars, 2 brakes will
- FREIGHT TRAINS—Ten brakes on east end, 5 in middle and 5 on west end on trains of 72 cars or less; 73 to 102 cars, 15 brakes on east end, 10 in middle and 5 on west end.

WOODFORD (When taking water)

FREIGHT TRAINS (Eastward)—First helper will spot for water, 5 brakes will be set ahead of this helper, 5 behind road engine and 5 ahead of second helper. First helper will keep engine brake applied until ready to proceed.

RAVENNA (When taking water)

FREIGHT TRAINS (Westward)—Road engine will spot for water, engine brake will be left applied on road engine and 8 brakes set ahead of helper that cuts off and takes water.

CALIENTE (When taking water)

FREIGHT TRAINS (Eastward)-Road engine will spot for water, and 8 hand brakes will be set just ahead of first helper that cuts off and

In complying with the above hand brakes on freight trains must be set with assistance of brake club after train has stopped. When for any - reason hand brakes are released under these conditions, the same number must be set to replace them. Where the use of hand brake is required, air brakes must not be relied upon as a substitute.

In event it should happen that the road engine and first helper are spotted at same time to take water at Woodford, Ravenna and Caliente, automatic brakes will be released and it will not be necessary to apply hand brakes as long as road engine remains on the train.

When going to eat, or at any time that either train or engine crew leave train, sufficient hand brakes will be applied to hold the train.

In the application of Rule 825 in non-grade territory, conductors will take into consideration conditions such as heavy winds which arise from time to time on the Division.

RULE 825. Outfit cars must not be left in front of warehouses, storehouses, lumber yards, or other buildings.

When necessary to cut crossing and a distance of 100 feet on each side cannot be provided, a human flagman must protect. Cars must not be left in any position that would obstruct the view of an autoist or pedestrian of an approaching train, unless crossing is protected as stated above.

In cutting crossing Roscoe or Sheldon Ave., Wahoo, openings must be made so that cars or engines will not be left within 100 feet of either property line unless crossing is protected by a member of train crew or other competent employe acting as flagman.

RULE 833. Whenever practicable locomotive cranes, or cranes of similar type must be handled in trains with heavy end forward.

Except those of Southern Pacific ownership, cranes or machines of similar type, with rotating body, loaded on open cars, must not be moved until inspected and released by mechanical department. Conductors must not move Jordan Spreaders, except when in use, unless wings are protected against spreading by chain or tie bar extending from wing to wing and wing arm to wing arm.

RULE 834. Open-top cars loaded with rail, pipe, structural steel, lumber, poles or mounted wheels, when such lading projects above sides and end walls of car, must not be placed in train next to cab of mallet

RULE 836. Cars moved from one station to another ahead of engine on descending grade must be chained to the engine. Switching movement on descending grades must be protected by a derail. When practicable engine must be kept on down hill end of cars.

When necessary to move cars ahead of engine do not exceed 20 miles per hour.

RULE 843. When a train is split at two sidings for the purpose of meeting or passing trains, conductor must accompany both portions of

RULE 869. Trainmen will ride on top of trains through yards, entering and leaving terminals, through interlocking plants, also Vincent to Saugus, Vincent to Palmdale, Summit Switch to Mojave, Summit Switch to Ilmon, Tunnel to Burbank excepting rear brakeman, Searles to Cantil, McKittrick to Lokern and at other places as instructed by Conductor. Additional swing men must ride near the middle portion of train assigned to them. Trainmen must not ride on top of their train while passing through Tunnel 25.

RULE 883. Engines under steam must not be stored or left unattended on tracks that are not protected by derails against entry to main

AUTOMATIC BLOCK SYSTEM

RULE 509. A train or engine, when backing out of a siding or other track in block system limits, will, unless backed to clear block signal, proceed as if signal be in stop position.

Eastward freight trains having more cars than can be placed between San Fernando Road and home interlocking signal at Burbank Junction; if automatic home signal 4706 indicates stop, must stop west of crossing and communicate with signal operator by telephone located on post opposite signal 4706.

RULE 509 (e). That portion reading: "And the intervening track is seen to be clear," is interpreted as referring to the track being clear of engines and/or cars.

That section of track in Fresno between Tuolumne Street and Ventura Avenue is not protected by block signals. Be governed by third paragraph Rule 93.

Dwarf light signals governing movements to main track located as follows: Signals 2020 and 2022 Clinton Ave., Fresno, Signals 2565 and 2625 at Exeter, Signal 2870 Ducor, Signal 3627 Summit Switch, and Signal 3679 Eric. The first switch or derail lined, dwarf signal will indicate red. When all switches and derail are lined dwarf signal will indicate reced. If signal indicates stop after proceed. dicate proceed. If signal indicates stop after proper line up has been made, a train will not move to main track except as provided by Rules

Fresno.-West switch and derail of running track, Fresno Yard near Biola Jct., the Biola main track junction switch and derail, and switch No. 2 track west of Ashland Ave. are hand operated by using the switch levers on side of electric switch machines.

Signals governing movements from Biola Branch and from the west end of No. 1 track will indicate stop until derails and switches have been properly lined for route desired, when signals will indicate proceed.

Exeter.-Signal 2628 at junction Visalia Branch and Porterville main track normally indicates stop until crossover lined for movement to

Bena.—Eastward trains leaving siding will be governed by dwarf light signal 3282 which will indicate proceed after siding switch has been thrown to reverse position for two minutes.

Tehachapi.—Trains on No. 1 track at Tehachapi ready to leave, finding dwarf light signal 3595 at stop, will push button located in box on post two feet east of signal 3593. After pushing this button signal will clear in two minutes if no trains in block.

Warren.-When dwarf light signals located at either end of siding indicate stop, trains entering will be preceded by a flagman.

Searles.-Automatic block signals 4277 and 4268, located at east and west end of Tunnel 29 at Searles.

Knife switches have been installed in relay boxes located at these signals for use of operators of motor cars passing through tunnel.

Motor cars should stop and if signal indicates proceed, switch in box should be thrown to reverse position which will place signals at stop before entering tunnel. After passing through tunnel, stop must be made at signal and knife switch thrown to reverse position, which will clear

The following block signals, equipped with a triangular number plate, have included in their control limits some special protective device. When indicating "STOP" careful inspection must be made of the track and structure as indicated below and it must be known that it is safe for passage of trains before proceeding.

Signals	Location
2016	Clinton Ave., Fresno Spring switch, end of double track.
3281	BenaSpring switch, end of double track.
3308	IlmonSpring switch, west end.
3450	RowenSpring switch, west end.
3512	WalongSpring switch, west end.
3564	Cable Spring switch, west end.
3592	TehachapiSpring switch, west end.
4574	
4579	Culvert 457 D.

Block signals 4500 to 4513 Saugus govern movement of trains entering yard. If signals indicate stop, after stopping, train may proceed with caution, not exceeding 12 miles per hour.

OIL BUFFER SPRING SWITCHES

When a block signal in advance of a facing point oil buffer spring switch indicates "STOP", careful examination of switch must be made before passing over it.

When making trailing point movement and train is stopped on switch, a reverse movement must not be made, nor the slack taken until the switch has been thrown by hand. When movement has been completed through switch, reverse movement must not be made until

Running switches are prohibited and sand, blow-off cocks, and injectors must not be used nor boosters started while passing over these

Oil buffer spring switches are located as follows, and speed indicated must not be exceeded when passing over such switches.

muse not be exceeded when pursues over and	M.P.F
Fresno, Clinton Ave., end double track Trailing westwa	ard 35
Facing eastwar	d 20
Fresno, junction Los Banos line Trailing eastwa	rd 15
Facing westwar	rd 10
Bena, end double trackTrailing eastwa	ard 35
Facing westwar	rd 20
Bena, west end siding Trailing westwo	ard 50
Ilmon, west end Trailing westw	ard 30
Facing eastwar	d 30
Caliente, west jct., eastward and westward/Trailing westw	ard 10
sidings Facing eastwar	d 10
College east ict, eastward and westward Trailing eastward	ard 10
sidingsFacing westwar	rd 10
Allard, west end railing westw	ard 30
Facing eastwar	d 30
Bealville, west jct. eastward and westward Trailing westw	ard 10
sidings	d 10
Bealville, east ict. eastward and westward Trailing eastward	ard 10
sidingsFacing westwa	rd 10
Rowen, west endTrailing westw	ard 30
Facing eastwar	rd 30
Walong, west endTrailing westw	ard 30
Facing eastwar	rd 30
Marcel, west jct. eastward and westward sid- Trailing westw	ard 10
ings Facing eastwar	rd 10
Marcel, east ict, eastward and westward sid-Trailing eastward	ard 10
ings Facing westwa	rd 10
Cable, west endTrailing westw	ard 30
Facing eastwar	rd 30
Tehachapi, west endTrailing westw	ard 30
Facing eastwar	rd 30
Summit Switch, east end Facing eastwar	ard 50
Summit Switch, case chart.	

RULE 511. Within block system limits after switches of a crossover are thrown, wait three minutes before crossing over, unless block signals protecting the movement can be seen to be in stop position not less than one-half mile distant.

RULE 516. Overlap post is located at:

Newhall-Eastward trains-2000 feet east of west switch.

INTERLOCKING

At all interlocking plants, when route lined is not to be used following signal will be sounded by Engineers, two short, one long and

two short (00—00).

FRESNO TOWER—A. T. & S. F. Crossing 1.6 miles east of Fresno on Clovis Branch
For main track, one long whistle (—).

To or from spur track, one short and two long whistles (0—).

SUN MAID TOWER—A. T. & S. F. Crossing 1.5 miles east of Fresno on Porterville main track

One long whistle (——).

CALWA TOWER—A. T. & S. F. Crossing and double track 3.6 miles east of Fresno

Eastward trains approaching end of double track will call for switch
and derailer by one long, one short and one long whistle (—— o ——).

Westward trains, one long whistle for crossing and for double track HANFORD TOWER-A. T. & S. F. Crossing 0.3 miles west of Hanford One long whistle (——).
TULARE TOWER—A. T. & S. F. Crossing 0.3 miles west of Tulare

One long whistle (_____).
KERN JCT. TOWER—A. T. & S. F Crossing, double track and McKittrick Branch 0.7 mile east of Bakersfield

For main track, one long whistle (——).

For movement over crossing on siding, one long, one short and one

From S. P. to A. T. & S. F. main track, one short and two long stles (o —————). Between main track and transfer track, one short, one long and one

short whistle (o —— o).

No. I track, two short, one long and one short whistles (o o —— o).

Dwarf light signals opposite end of double track governing westward movement are as follows:

Green..........Westward track to S. P. single track. Yellow......To Santa Fe westward double track or S. P. No. 1 track.

Dwarf light signal for eastward movement is located at west limits of interlocking plant. Light signals as follows:

Green..... Eastward main track.

Yellow.....Against current of traffic.

Transfer tracks have pipe connected derails to main track (transfer

At Kern Jct. only, Rule 628 is modified to permit movement, without stopping, of helper cuts only, past interlocking signals in stop position, provided yellow signal is received from the towerman in tower or on ground, and helper engineer sees that track is properly lined for movement to be made. TEHACHAPI

Main track movements (to or from double track) one long whistle

No. 1 siding, one short, one long and one short whistle (o — o).

Trains or engines entering interlocking limits, except where fixed signals govern movements must receive authority from signal operator when may proceed with caution, not exceeding twelve miles per hour to

CALIENTE, ALLARD, BEALVILLE, CLIFF, WOODFORD, MARCEL
The east and west switches of sidings at Caliente, Bealville, Cliff,
Woodford, Marcel and the east switch of siding at Allard are interlocked
and controlled from Telegraph office. All other switches are hand
throw. The switches and signals at Allard and Cliff are controlled by the plant at Bealville.

Interlocking limits extend on main track from the eastward signal, located fifty (50) feet west of the west switch, to the westward signal, located fifty (50) feet east of the east switch at Caliente, Woodford and Marcel, and on both main track and siding at Woodford, and at Bealville from the eastward signal, located fifty (50) feet west of the west
switch Allard to westward signal, located fifty (50) feet east of the east
switch Cliff. All signals within these limits are interlocking, except
Signals 3412 and 3417, which are automatic.

When the eastward interlocking signals east end Bealville or the
westward interlocking signals west end Cliff are inoperative, trains must
be preceded by flagman to the pert signal

be preceded by flagman to the next signal.

Trains stopped by signals must communicate with signal operator by telephone located in telephone booths at east and west switches and be governed by his instructions. Additional telephones are provided at derail west end No. 2 siding at Woodford, and at derail of house track extension at Caliente. If instructed by signal operator to throw interlocked switch by hand, follow instructions posted in telephone booth.

The member of crew cranking switch over, after receiving permission from signal operator, must notify rear member of his crew in order that switch will be returned to normal position, or remain at switch and return it to normal position, unless instructed by signal operator to leave

When for any reason, proceed indication of an interlocking signal cannot be acted upon at once signal operator must immediately be notified.

When pulling out of sidings at Caliente, Bealville and Marcel, where both sidings are occupied with trains moving in same direction, both trains will stop at clearance point and enginemen will have an understanding as to which train will move out of siding first, unless otherwise directed by the dispatcher.

Trains or engines entering main track, except where fixed signals govern movement, must receive authority from signal operator, then may

proceed with caution, not exceeding 12 miles per hour to next signal.

At Cliff, Spur switch west end siding will be hand operated and trains must not enter or leave spur except on telephone authority from signal

operator at Bealville.
At Woodford "Take Siding Indicator" mounted on mast of westward interlocking signal will govern westward trains that are to use

When westward third class and extra trains are given main track Allard, and unable to proceed farther ahead of superior trains in same direc-

tion, they will immediately advise the signal operator at Bealville.

Trains entering sidings at Caliente, Bealville and Marcel will stop clear of adjacent siding unless a proceed signal is indicated in light signal governing the movement to main track.

FRESNO OLIVE AVE. CROSSING, AUTOMATIC INTERLOCKER

Interlocking limits extend from eastward light type signal SA-2032 located 750 feet west of Fresno Traction Company crossing to westward light type signal SA-2033 located 750 feet east of this crossing.

When these signals display stop, trains will be governed by interlocking rules within the interlocking limits and Rule 509 within the automatic portion of the block beyond the interlocking limits and will be preceded to crossing by flagman.

Dwarf light type signals installed between main tracks and located 80 feet east and west of this crossing govern moving against current of traffic. These signals indicate the proceeded to the contract of the contract of

traffic. These signals indicate stop only and trains must be preceded by flagman who will give proceed signal from center of crossing.

LOS ANGELES YARD — BURBANK JUNCTION TOWER
To Roscoe or Los Angeles, one long (——). To siding, five short

To Roscoe of Locality (0 o o o o o).

To Hewitt, one long, four short (—— o o o o).

To industrial lead, one short, one long, one short (o —— o).

TRAIN AND AIR INSPECTION

Taking freight trains descending grade At the following stations freight trains descending grade between Caliente and Lang will stop 10 minutes to allow heat to equalize in wheels and make inspection:

Ravenna. Marcel Rowen.—Or in making other stops, inspection may be made provided initial run is not to exceed 8 miles, succeeding runs not to exceed 10 miles.

A continuous run of 10 miles will not be made where the run from the last inspection point was less than 7 miles.

Warren. Owenyo Branch.-Rand. Keeler Branch.-Hammil. McKittrick Branch.-M. P. 353.

Freight trains must not run more than 40 miles without a stop for inspection: Except run may be made by westward freight trains, Saugus to Lancaster, Ravenna to Mojave, Bakersfield to Tipton, Tipton to Fresno or vice versa and Cantil to Leliter without stopping for train inspection when in the judgment of the conductor it is safe to do so. Inspection will be made at any intermediate stops.

AIR BRAKE RULE 11.

Air brake inspection at points where no car inspectors are on duty, and motive power and/or engine crew or train crew is changed on a freight train, shall be made as follows:

After the train is made up and the engine attached the engineer will apply the brakes with a 20 pound service reduction and leave them applied. The trainmen will then pass along the train to determine that the brake is applied on each car. The numbers of any cars found with inoperative air brakes must be reported on Form 2809 and such cars assembled and switched to the rear of the train next ahead of the caboose before leaving that station. After this inspection has been made, brakes have been released and trainmen have noted that normal brake pipe pressure has been restored as indicated on caboose gauge and have given signal to engineer, the latter must comply with last part of Rule 11 to avoid brakes sticking from an overcharge of the brake system etc.

If it is necessary to switch any ears to the rear account brakes being inoperative Rule 17 must be complied with before departure.

Rule 34 must be observed to determine by rolling inspection that each

brake releases properly.

Attention is directed to the Safety Appliance Act which requires

that whenever any train is operated with power or train brakes not less than 85 per cent of the cars of such train shall have their brakes used and operated by the engineer of the locomotive drawing such train. All power-brake cars in every such train which are associated together with the 85 per cent shall have their brakes so used and operated.

AIR BRAKE RULE 13.

At lay-over points for passenger equipment, where there are no car inspectors, crews must make air brake test before starting on initial trip as follows: Brake pipe must be fully charged, engineer then apply air brake; trainmen must examine each car to see whether all brakes are applied. If all brakes apply, trainmen must give signal 16-e from rear car, examine each car in train to see that all brakes release, and report condition to the engineer.

AIR BRAKE RULE 16.

Passenger Trains: Make running air brake test at Summit Switch and between initial and crossover switch at Vincent. Not necessary to make running test on passenger trains leaving Mojave that have not had the continuity of the brake pipe broken. Eastward Santa Fe passenger trains leaving Kern Jct. will not make running test. Within yard limits of Fresno, running air brake test will be made on eastward trains only when leaving Fresno.

When running air brake test is made trainmen will use communicating Signal 16-h instead of hand or lantern signals.

On westward passenger trains leaving Bakersfield, running test shall not be made until rear car has cleared Baker Street.

Freight Trains: Freight trains not stopping at Summit Switch will make running air brake test between wye switches as follows: While working steam, engineer will make a reduction of approximately 7 pounds, waiting for slack to adjust itself and then add about 3 pounds, making total reduction of 10 pounds before releasing.

Conductor will note reduction on caboose gauge and following build up in pressure when brakes are released, then give proceed signal which will be relayed by other trainmen from their portion of the train, providing they note retainers releasing in their vicinity.

viding they note retainers releasing in their vicinity.

If conductor is on the head end, the rear brakeman is held responsible for such observance of the gauge as will insure against danger from closed

angle cock or low pressure.

When such observance indicates danger, take every needed pre-

caution as the circumstances warrant. If releasing of brakes cannot be made at a greater speed than 15

miles per hour, stop and make rear end test.

Whenever rear end tests or running tests, whichever are required under the rules, have been made on eastward trains at Tehachapi, it will not be necessary to make running tests on such trains not stopping at Summit Switch.

Westward freight trains that do not have helpers to cut out at Vincent and do not stop there for other operating reasons, will turn up the retaining valves on the first ten cars behind the engine at the east distant signal approaching Vincent, and will make air brake running test between siding switches as follows:

While working steam and not allowing driver brakes to apply, follow the same procedure as outlined in instructions relative to making the freight train running test at Summit Switch, with the exception that a release may be made at a speed not slower than 8 miles per hour. If train has to stop for any reason, or if speed of at least 8 miles per hour cannot be made at time release is desired, standing air brake test as per Rule 17 of the air brake rules will be made.

On Eastward freight trains not having helpers to cut out or required to stop at Vincent for operating reasons, they will follow the same procedure as outlined in next paragraph above, except that one retaining valve for each 115 M's contained in train will be used. These retaining valves must be turned up at or near west distant signal, the retaining valves on head portion of train to be turned up first.

AIR BRAKE RULE 17.

Rear end test will be made in accordance with Rules 17 and 17-A of the Air Brake Rules, and this test will also be made at the following places under the conditions hereinafter stated:

Mojave.........Freight trains not originating.

Leading engineer will not signal for rear end test on trains having helpers until such helpers indicate by one blast of the whistle that the train is ready for the test.

Before a train which has stopped on grade is signalled to proceed, air gauge in caboose must be observed. If gauge indicates brake pipe unobstructed and registers a pressure of not less than 65 pounds, proceed signal may be given.

AIR BRAKE RULE 54.

Emergency hose must be used on all freight trains between Los Angeles and Bakersfield.

Trains of 50 cars or less 2 emergency plugs will be used located approximately 20th and 40th cars from engine. Trains of 50 to 71 cars 3 plugs located approximately between 20th,

40th and 60th cars from engine.

Trains of 71 to 100 cars 4 plugs located approximately on the 20th, 40th, 60th and 80th cars from engine.

Trains of 100 to 124 cars 4 plugs located on the 20th, 40th, 60th and

100th cars from engine.
On westward freight trains plugs will be fastened on east end of car and on eastward freight trains on west end of car.
Emergency hose will be handled by carmen at Los Angeles and

men at intermediate stations and placed in caboose.

In applying these hose efforts should be made to apply them between through loads so as to avoid having to change them enroute where emergency is encountered.

Handle of emergency hose must be sealed by carmen and full report

made by trainmen when seal broken.

AIR BRAKE RULE 56.

Unless otherwise provided, retainers will be used on passenger trains

Westward trains..... Tehachapi to Tunnel 1—All retainers Retainers on all head end cars of eastward passenger trains (except Train No. 56) will be turned up at Summit Switch, remainder of retainers to be turned up at Cameron without stopping, all retainers being used to Mojaye. When retainers are thus used speed of trains must not exceed 45 miles per hour.

Retainers on all head end cars on Train No. 56 will be turned up at Tehachapi, remainder of retainers to be turned up at Cameron without stopping, all retainers being used to Mojave. When retainers are thus used speed of train must not exceed 45 miles per hour.

Unless otherwise provided, trains having not to exceed two head end cars available retainers will be used Cameron to Mojave and Tehachapi to Tunnel 1.

Retainers will be used on freight trains as follows:

Eastward trains.... Cameron to Mojave.
Eastward trains.... Vincent to Lang.
Eastward trains.... Benton to Hammil. Westward trains..... Vincent to Harold. Westward trains..... Tehachapi to Tunnel One.

Westward trains..... McKittrick to Lokern. Westward trains..... Searles to Garlock.

Eastward Southern Pacific freight trains stopping at Summit Switch will turn up retainers there, and if train brakes are applied a speed of 20 miles per hour must not be exceeded Summit Switch to one mile east of Cameron.

On freight trains descending grade Tehachapi to Tunnel 1, Cameron to Mojave and Vincent to Lang, one pressure retaining valve must be used for each 115 M's in train. Searles to Garlock one pressure retaining valve for each 150 M's, and Benton to Hammil one pressure retaining valve for each 50 M's must be used. Retaining valves to be used solid on head end of train.

Descending grade between Vincent and Harold, use ten retaining

valves on head end of train.

One retaining valve must be turned up for each 400 M's in eastward freight trains of 45 or more cars as follows:

At Tunnel or Sylmar turn up each alternate, beginning with head car; at Pacoima turn down those in use and turn up each alternate, beginning with next to head car; at Burbank Junction turn down.

If, in the judgment of the engineer, or conductor, additional retaining valves are required to properly control speed of the train, trainmen shall

turn them up accordingly.

This will not be authority to exceed specified speed restrictions.

Speed of freight trains will be reduced at points where trainmen are required to handle retainers.

Where retainers are used the rate of speed of freight trains on any grade of over one per cent will not exceed 25 miles per hour, and on grades of this character more than five miles long, for the first five miles the time consumed in traveling one mile shall not be less than three minutes. The above maximum speed restriction will not affect the speed on heavier grades and other locations, where the maximum is now provided. Retainers on eastward freight trains entering Mojave must not be turned down until train comes to rest on designated tracks.

Freight trains taking siding where it is necessary for them to open their own switch, and where necessary to apply train (automatic) brakes, stop and allow sufficient time to insure release of all brakes.

Conductor report to Superintendent, by wire, any failure to properly control train by air brakes and deliver to Car Inspector at first terminal list showing tonnage of each car in train. Car Inspector will add to list the piston travel of each car in train, as shown by test made before road engine is cut off, also result of three-minute test of all retainers. The list will then be forwarded to Superintendent by first mail.

The maximum tonnage per operative brake between Caliente and Mojave is 115 M's, Mojave and Saugus 120 M's, Searles and Garlock 150 M's and Benton and Hammil 50 M's.

MISCELLANEOUS

1. Freight trains with twenty or more cars will detach engine when taking water except at the following stations:

All points on the Valley district Lancaster ... Eastward trains Caliente.... Eastward trains Woodford... Eastward trains Lang...... Westward trains

Leading engine on freight trains descending grade must be detached while taking water at San Fernando.

In freight service with over 30 cars where it is necessary to make a short move to reach water or oil column, including that required to spot second engine of double header, locomotive must be cut off before spotting at column.

Water supply at Bealville, Marcel and Cameron is for emergency

In taking water on freight trains with helper cut in, train will be cut ahead of first helper from head end and will back to point where it is to

take water, except at Woodford where first helper spots at No. 3 water column. After stopping, train will be cut ahead of following helper.
4. Helpers will be handled as follows:

SUMMIT SWITCH: On 3 and 4 engine trains, after stopping, second helper take charge of air making movement. If 3 engine train, cut out first or head helper, then second helper. If 4 engine train cut out first helper, then third or rear helper, then second helper. Helper engines cutting out of eastward trains at Summit Switch enter wye from east leg.

ERIC: Under ordinary conditions let engine in on west leg of wye and back train to a coupling.

MOJAVE: Helpers will be coupled together on westward trains and

placed ahead of caboose, taking into consideration rear end cars.

LANCASTER: Helpers will be coupled together on eastward trains

and cut in ahead of caboose taking into consideration rear end cars. VINCENT: On eastward trains road engine will stop to clear at east end, helpers will be cut out and used to shove rear of train to a coupling. When helpers go east of Vincent they will remain coupled in train until released. Unless otherwise instructed helpers will cut out at Vincent.

Should a stop be made short of a turnout at a point where helpers are to be cut out, cut will be made ahead of leading helper and train engine will pull head portion to clear, to prevent damage done by helper in shoving during short move

In movement of light engines between Bakersfield and Mojave the

number of engines coupled is restricted to four.

Two engines of "GS" type must not be coupled descending grades where curvature is 10 degrees or over.

For the purpose of pushing trains out of yards:

(a) No locomotive will be placed behind wooden underframe caboose

or other wooden frame equipment.
(b) Locomotives weighing more than 235,000 pounds on the drivers will not be placed behind steel underframe cabooses.

Air will not be coupled through the pusher engine. Yard engines regularly so used will be equipped with Russell-Jordan device to hold the coupler pin from dropping, thus making it unnecessary for employes to uncouple the pusher engine when

cutting off. In no case shall the knuckle be removed, or closed, or cutting lever temporarily fastened in release position on a pusher engine, as means of preventing coupling being made.

Unless local conditions require, it will not be necessary to stop trains to detach pusher engines.

In helper service:
(a) No helper engine will be placed behind wooden underframe cars or cabooses.

Locomotives weighing more than 235,000 pounds on the drivers will not be placed behind steel underframe cabooses.

In no case will more than one helper engine be placed behind steel underframe cabooses.

When helper engines are used in rear of freight trains, C and lighter class must be placed behind heavier class except between Burbank Jct. and Vincent, C and heavier class engines must be placed ahead of AC class engines.

Helper engines on freight trains must be placed in rear through

Engines with cars must not be cut off or coupled to a train while same is in motion.

(g) Engines must not be cut off head end of trains while same are in motion.

When helper engine is coupled behind caboose, angle cocks must not be turned and hose separated while train is in motion.

5. Engines will not be left on No. 1 track at Tehachapi while crews are eating. When engines are left with no one attending, the reverse lever will be left on center, cylinder cocks will be left open, independent brake valve or straight air valve will be left in service position, noting amount of brake cylinder pressure before leaving the engine. No member of crew will leave their engine before engine has come to rest, and when engine or engines are left alone, tank brakes should also be set in addition to independent brakes.

This will apply at other points where similar conditions exist.

7. Engines heavier than Consolidation must not leave main track between Mojave and Searles, except at sidings Neuralia, Rand, Goler and Cantil. This does not confer time table authority. When holding main track comply with rule 99 in protecting head rights if necessary.

Should both trains have restricted power, train using siding must

move slowly and cautiously using every precaution to avoid accident. P-8, P-10 and heavier locomotives must not be used between Famoso

and Fresno on Porterville Line or between Exeter and Goshen Jct. 8. At points where engine is to be changed, or cars set out or picked up on passenger trains, rear brakeman will open steam valve on rear of train at station one-mile board and engineman will shut off the steam one half mile from station.

10. Tracks at following stations must not be used by engines larger than Consolidation. Spurs at Bena, Caliente, Wahoo quarry, Tunnel

water spur, Waltz powder spur, Elayon oil spur.
Engines heavier than F class must not use track serving Union Supply Co. or Graham spur or spur paralleling main tracks west of derail at Roscoe, or the transfer track at San Fernando beyond a point 300 feet beyond the switch points.

Engines must not use Consolidated Rock tracks, Roscoe, beyond derails west of Radford Ave.

When switching the west end of Saltdale, with F class engines, use

when switching the west end of Satuale, with T class engines, ase sufficient number of cars to prevent engine from going beyond frog.

Switching movement from spurs on heavy grades should be accomplished in a manner to make it impossible for cars to run out on main track. This can be done by stopping train between switches and by switching from spur track to train, leaving switch lined for spur track until work is completed. Do not switch cars into a siding on grade where such siding is unprotected by derail. Do not handle cars ahead of engine descending grades when practicable to avoid same. Whenever possible, when switching on heavy grades, engine should be kept on down hill side of cars being handled, or such switching moves be made against a de-

17. No sanding of engines permitted between Tunnels 18 and 19.

20. Handling of freight cars in trains behind passenger cars carrying passengers prohibited. The term "freight car" does not include a baggage, express or mail car, or a caboose.

Baggage, express, mail, refrigerator or other head end cars must not be handled on rear of passenger trains unless trainmen can pass through them.

Pennsylvania Ry. refrigerator cars must not be handled coupled together in freight trains.

23. Following will govern the handling of switches for the center sidings at Warren and Monolith:

Westward Trains-Heading in.

Switches will be handled in following sequence:

Westward main track switch.

Center siding switch. 3. Derailing switch.

After Train is in siding.

1. Westward main track switch.

Derailing switch.
 Center siding switch.

Eastward Trains.

Switches will be handled in normal manner.

27. In addition to one engineer, one fireman and one conductor, each steam freight, mixed or work train must have two or more brakemen, as noted below, if more than 4 trains are operated each way per day.

Grade	No. Cars in Train	No. Brakemen
10% arundar		2
170 of under.		
	50 to 75 inclusive	3
	76 to 100 "	4
		5
1% to 11/2%.		2
" "	50 to 62 inclusive	3
	63 to 87 "	4
		AT THE REAL PROPERTY.
	88 to 112 "	D
		6
Over 11/2%		2
	50 to 57 inclusive	3
	58 to 72 "	4
and the second	73 to 87 "	D
	88 to 102 "	6
		7
	그녀는 실어에게 아이라 아니라마 그가 살아 그 때문에 가는 그 그 그래요? 그는 그 그 그 그 그리고 있는 그는 그를 가지 않는데 그리고 있다.	maked by the state
		8

The following are grade maximums on the San Joaquin division:

1% to 11/2% Over 11/2% 1% or under Bakersfield-Ilmon Ilmon-Tehachapi Fresno-Bakersfield Eric-Mojave Tehachapi-Eric Clovis Branch Palmdale-Saugus Mojave-Rosamond Riverdale Branch Coalinga Branch Success Branch Owenyo Branch McKittrick Branch Visalia Branch Owenyo-Keeler Benton-Laws Stratford Branch Richgrove Branch Arvin Branch Rosamond-Palmdale Laws-Owenyo

28. Train movements on Richgrove Branch will not be authorized by train orders. Trains using this Branch will do so under flag protec-

Flagman will be left at Richgrove with written instructions on Form CS 2511 regulating the movement of other trains desiring to use this SPEED RESTRICTIONS

Maximum speed of any passenger train must not exceed 50 miles an hour except as otherwise provided for:

Maximum speed of any freight or mixed train must not exceed 35 miles an hour except as otherwise provided for:

Speed Restrictions in Miles Per Hour, Will Apply as Follows:

T				PASSENGER	1		FREIGHT			LIGHT	ENGINES R	UNNING F	ORWARD
	TERRITORY	Maximum	With E T-26, 32, 37, 40 P A Motors	With M T 1, 2, 8, 9, 23, 28, 31, 36, 57, 58 MK 5, 6, 7, 8, 9	With Mt. GS Sta. Fe Mt. type	With C 2 to 10 Incl C 18 to 29 Incl. F AC 4,5,6, MM, AM SP	Freight and Mixed Maximum	Engines Backing With or Without Cars	Yard Engines S-SE Type	E T 26, 32, 37, 40 P A Mt. 1, 2, 3, 4, 5 Santa Fe Mt. type	M T 1, 2, 8, 9, 23, 28, 31, 36, 57, C 2 to 10 incl. C 18 to 29 incl. MK 5, 6, 7, 8, 9	F SP GS Santa Fe 3800 type	C 12, 15, 1 TW MK 2, 4, 1 AC MM AM
	Biola JctCalwa Tower, except F. T. Co., Crossing, Olive Ave., Fresno	50 20	50 20	50 20	50 20	45 20	40 20	30	20	40	35	35	30
7	In City Fresno along or across street crossings	20	20	20	20	20	20	20 12	20 12	20	20	20	20
	Calwa Tower—East switch Oil Jct. except	60	60	50	60	40	40	30	20	12 40	12 35	12	12
	A. T. & S. F. Rv., crossing at Tulare Tower.	40	40	40	40	40	40	30	20	40	35	35 35	30
4	East switch Oil JctOne mile east Kern Jct., except	35	35	35	35	35	20	20	20	20	20	20	20
	over street crossings in Bakersfield	20	20	20	20	20	20	20	20	20	20	20	20
	Fresno—Famoso except	45	45	45			30	20	20	30	30	30	30
0	On curves at Mile Post 218.54 and 218.74	35	35	35			00	20	20	20	20	20	20
2	On curve west of Orris	35	35	35				20	20	20	20	20	20
	One mile east Kern Jct one mile west Ilmon	50	50	50	50	45	40	30	20	40	35	35	30
1	One mile west Ilmon - West Switch Tehachapi	30	30	28	30	28	20	15	20	25	25	20	20
	West Switch Tehachani - One Mile east of Cameron	50	50	50	50	45	35	30	20	35	35	35	30
+	One mile east of Cameron—Mojave, except Westward freight trains Mojave to one mile east of Cameron	45	45	45	45	45	20 35	20	20	25	25	25	25
5	Mojave Yard, between Standard Oil switch and						99			,			
	extreme east switch	15	15	15	15	15	10	10	15	15	15	15	15
	Mojave - Palmdale	55	55	50	55	45	40	30	20	40	15	15	15
	Palmdale - Mile Post 417, except	50	50	50	50	45	40	30	20	40	35 35	35	30
	Westward freight trains M. P. 417 to Palmdale		00	00	00	40	22	30	20	40	35	35	30
	Mile Post 417-Lang	30	30	28	30	28	20	15	15	25	25	00	
	Lang-Saugus	30	30	28	30	28	22	15	15	25	25	20 22	20 22
	Saugus - Burbank Jct., except	50	50	50	50	45	35	30	20	35	35	35	30
	East switch Saugus and West Portal tunnel 25	40	40	40	40	40	25	25	20	25	25	25	25
	West Portal tunnel 25 and M.P. 458 14	30	30	30	30	30	20	20	20	20	20	20	20
	M.P. 458.80 - 458.94	40	40	40	40	40	25	25	20	25	25	25	25
	M.P. 458.14 - 471.60 (eastward frt. trains only)		10 10 1	1 The 1			25	-0	20	20	-0	20	20
	Burbank Jct. Crossover west of tower	30	30	30	30	30	20	20	30	30	30	30	30
	Crossover east of tower	35	35	35	35	35	20	20	20	20	20	20	20
1	Armona-Crump, except	25					25	15	20	25	25	20	20
	Over trestle at M.P. 267 3	15					15	15	15	15			
	Hardwick-Goshen Jct	25					25	15	20	25			
	Goshen JctExeter, except	40					30	15	20	30			
	On curve at Goshen Jct. and curve at Ambler	30					20	15	20	20	20		
	Ingle - Hardwick, except. Mile Post 219 - Kings River Bridge	20					20	15	20	20	20		
	Mile Post 219 - Kings River Bridge	20					20	15	15	15	15		
	NOSSI-W.F. 209.4	25					25	12	20	25			
L	Mile Post 239.4 - Stratford	12					12	12	12	12	12		
13	Fresno-Gordon, except On curves at Barton and Maltermoro	25					25	15	20	25			
П	Over Fresno Interurban tracks, Las Palmas.	20	ALC: UNKNOWN COURT OF		The state of the s		20	15	15	20			
L	Gordon-FriantGordon-Friant	15 20					15	15	15	15			
	Porterville-Clavicle-Pernu, except	15					20	15	15	20			
1	On curves, Success and Pernu branches	12					15	15	15	15			
	Richgrove-Jovista, except	~~					12	12	12	12			
	On curves, Richgrove branch						25	15	20	25			
	Kern JctM.P. 35416						15	15	15	15			
	Mile Post 3541/6-Olig, except	20					25 20	15	20 15	25			
	Mile Post 3541/2-Olig, except. Mile Post 354-Olig, with large loaded oil cars.						15	15 15	15	20			
	Molave-Owenyo, except			a			30	20	20	15 30			
	F-4&F-5 engines-Mojave-Searles						25	20	20	20			
	Over west siding switch. Owenvo	10					10	10	10	10	2.2		
	Benton - Laws	20					20	15	10				
	Laws - Keeler	30					30	15	non Luchi	Narrow	gauge en	gines rui	nning for-
	ALFANTADOS ANTA ESTA ESTA ESTA ESTA ESTA ESTA ESTA ES										must not		

Speed of 60 miles per hour is permitted gas-electric motor car trains on main track between Fresno and Goshen Jct.

SPEED OF TRAINS REGULATED BY ORDINANCE THROUGH CITY LIMITS

Page	STATION	Passen- ger	Freight	Back- ward
2-3-7	Fresno, along or across street crossings Fowler, between 6 A. M. and 9 P. M.	20	20	12
2 2	Selma, between 5 A. M. and 11 P. M	20 30 30 30	30	30
2 3	Tulare, between 5 A. M. and 11 P. M	20 20	20 30 30 30 20 20	30 30 30 20 20

Page	STATION	Passen- ger	Freight	Hunning Back- ward
3	Exeter, between 5 A. M. and 11 P. M	20 20	20 20	20 20
3 5	Lindsay, between 5 A. M. and 11 P. M San Fernando over street crossings east and west			-
6	of station	25 20 15	25 20 15	25 20
6	Visalia	15	15	15

SPEED RESTRICTIONS

Speed restrictions for engines are shown in speed table; however, attention is called to the following maximum speeds at which tenders may be operated subject to restrictions imposed locally:

Tenders having water capacity, 7,000 gallons or less, except classes 70-R-1 and 70-SC-1, maximum speed 50 miles an hour.

Engines operated coupled tender to tender must not exceed speed

permitted for light engines of that class running backwards.

Maximum speed of disabled engines hauled in train, or running under

own steam, must not exceed:

S and SE engines and all other classes of engines when not equipped with engine trucks 20 M.P.H. When all weight has been removed from any one

pair of drivers on an engine, speed must not ex-

of any pair drivers on an engine, speed must not

exceed......30 M.P.H.

F, SP, Santa Fe 3800 and AC class engines must not exceed 8 M.P.H. over switch turnouts, crossovers and slip switches.
When engines 3681, 3727, 4111, 4114, 4115, 4116, 4117, 4123, and 4124

are used in passenger service they are permitted maximum passenger speed between Bakersfield and Burbank Jct.

When Santa Fe 3800 class engines are used in passenger service they are permitted maximum speed of 45 miles per hour between one mile east of Kern Jct. and one mile west of Ilmon: also between west switch Tehachapi and one mile east of Cameron.

When used in passenger service, AC 4 and 5 engines and Santa Fe 3700 and 3800 class engines are permitted maximum speed of 30 miles per hour between one mile west of Ilmon and west switch Tehachapi, also between Mile Post 417 and Saugus.

Engines not shown in speed table must not exceed freight speed except MC engines must not exceed 20 miles per hour between Lang and Saugus.
When interlocking signals at Caliente, Allard, Bealville, Woodford and Marcel indicate proceed trains may run at speed and through other

interlocking plants with caution.

Trains must not exceed 30 miles per hour through limits of interlocking plant at Calwa Tower.

Trains must not exceed 6 M.P.H. over wye and packing house tracks at Locans, 10 M.P.H. through main track switch Hardwick, 10 M.P.H. Pinedale to Mill site formerly Minerals and Western, 10 M.P.H. on pocket track Saugus extending west from Westward siding and 8 M.P.H. on spur leading to quarry from wye at Beneme.

Trains must not exceed 10 M.P.H. through sidings, over crossovers and turnouts, except oil buffer spring switches. See list of such switches

Trains handling relief outfit must not exceed 25 miles per hour between Fresno and Bakersfield, Fresno and Famoso via Sanger, Armona and Exeter, Bakersfield and one mile west of Ilmon, one mile west of Tehachapi and one mile east of Cameron, Mojave and Mile Post 417, Saugus and Burbank Jct., and 20 miles per hour between one mile east of Cameron and Mojave, and must not exceed 15 miles per hour over other track. Where freight speed is less be governed thereby.

When locomotive Cranes, of the type SPMW 3636, are placed in trains, they must be handled with the heavy end forward, except where it is impossible to turn them, in which case they must be turned at the first available point. When handled with light end forward extreme care must be exercised and speed of 25 M.P.H. not exceeded.

All cars moved in passenger trains must be equipped with steeltired or all-steel wheels. When cars not so equipped are offered for movement, they will be handled in freight trains—passengers, if any, to move on passenger train.

Trains consisting of engine and caboose only should be considered freight trains and speed restricted accordingly.

Trains carrying cabooses equipped with cast iron wheels must not

exceed 40 miles per hour. Wooden passenger-carrying cars, wooden baggage, express and other head-end cars, unless equipped with steel center sills and steel platforms, must not be used in passenger service except upon authority. Speed of trains handling such cars must be restricted as follows:

When consist includes not more than three wooden passenger-carry-ing cars, maximum speed must not exceed 50 miles per hour. When consist includes more than three wooden passenger-carrying

cars, maximum speed must not exceed 40 miles per hour. If consist of train includes wooden and steel passenger-carrying cars, wooden cars must be kept together and handled on the rear.

SPEED TABLE

Speed per Hour	1 Mile in Min. Sec.	Speed per Hour	1 Mile in Min. Sec.	Speed per Hour	1 Mile in Min. Sec.	Speed per Hour	1 Mile in Min. Sec.
6	10.00	25	2.24	39	1.33	53	1.08
8	7.30	26	2.18	40	1.30	54	1.06
10	6.00	27	2.13	41	1.27	55	1.05
12	5.00	28	2.08	41 42	1.25	56	1.04
15	4.00	29	2.04	43	1.23	57	1.03
16	3.45	25 26 27 28 29 30	2.00	44 45	1.21	54 55 56 57 58 59	1.02
17	3.31	31 32	1.56	45	1.20	59	1.01
18	3.20	32	1.52	46	1.18	60	1.00
19	3.09	33	1.49	47	1.16	61	0.59
20	3.00	33 34 35	1.45	48	1.15	62	0.58
21	2.51	35	1.42	49	1.13	63	0.57
22	2.43	36	1.40	50	1.12	64	0.56
6 8 10 12 15 16 17 18 19 20 21 22 23 24	2.36	37	1.37	51	1.10	65	0.55
24	2.30	36 37 38	1.34	52	1.09		

	STRUCTURES LESS THAN	
Mile Post	Location	Description
	Fresno-Saugus	Main Track
205.5	Fresno Shop Yard	Water tank spoutSid
205.5	Fresno	Pullman shedSid
220.7	Selma	Libby-McNeill & LibbySic
313.2	Bakersfield, east end Round House lead	Water columnSic
313.2	Bakersfield, roundhouse turnout tracks	SandhouseSide and Overher
313.2	Bakersfield	P. F. E. ice dock
313.2	Bakersfield	Pullman shedSic
313.2	Bakersfield	Coal house at storeSic
313.2	Bakersfield	Air pump houseSic
313.2	Bakersfield	Gravel Bunkers, Gravel PitSide and Overher
434.8	East of Russ	Tunnel 17½Overher
439.5	East of Lang	Tunnel 20Overhea
440.1	East of Lang	Tunnel 21Overher
441.5	East of Lang	Tunnel 22Overher
445.3	East of Humphreys	Tunnel 23Overher
449.7	East of Honby	Tunnel 24Overher
	Fresno-Famoso	via Porterville
205.5	Freeno	S. J. L. & P. Corp. plant Side and Overher
225.3	Fargo	Southern Pacific Freight ShedSie
257.4	Exeter	Water tank spoutSie
	Goshen JctCo	alinga-Rngle
229.1	1 Amore	Water tank spoutSic
268.4	Coalinga	Water tank spoutSie
	Fresno	Prient
205.5		Alley Drill Track, FultonSic
217.4	Clovis	Water tank spout
	Bakersfi	eld-Olig
845.4	Kilowatt	Power HouseOverhead and Sic
	The second of the second of the second	
	Mojave-	Owenyo
	Cantil	
402.5		Tunnel 29Overhea
402.5 426.8	West of Searles	Tunnet 29
		Water tank spoutSic
426.8	West of Searles	Water tank spoutSie Highline treatle on Calif. Alkali Co. Spur
426.8 484.1	West of Searles	Water tank spoutSie Highline treatle on Calif. Alkali Co. Spur
426.8 484.1	West of Searles. Haiwee Owenyo	Water tank spout
426.8 484.1 523.0	West of Searles. Haiwee Owenyo	Water tank spout
426.8 484.1 523.0	West of Searles. Haiwee Owenyo Saugus-Burbs Elayon Standard	Water tank spout
426.8 484.1 523.0 453.7 465.6	West of Searles Haiwee Owenyo Saugus-Burbs Elayon Standard Wahoo Consolide	Water tank spout
426.8 484.1 523.0	West of Searles Haiwee Owenyo Saugus-Burbs Elayon Standard Wahoo Consolide Wahoo Consolide	Water tank spout

Employes are warned that it is dangerous to ride on top or sides of cars at above-mentioned points. Employes must guard against coming in contact with overhead wires or their connections.

· · · · · · · · · · · · · · · · · · ·	NOT	AIR-	/ AI	R-"
THE PARTY OF THE P	CONDI	TIONED	CONDI	TONED
CLASS	All-Steel	Steel Under- frame	All-Steel Cooling Season	All-Stee Heating Season
Baggage-60ft	93,070			
" -66 ft	127,610			
-70 ft	122,620			
-(Dynamo)	125,800 98,730			
*		87,120		
Baggage & Mail-60 ft	103,620 124,760			
# # -69 ft	129,140			
* * *		103,590		
" Passenger	108,675	112,640 74,000 78,000 89,000		
Express Refr.—N. P. Ry		78,000		
* - " 153-224		89,000		
* - * 500-506		110,000 85,000 83,000		
" - " 1101-1175 " -P. F. E. " 500-799		83,000		
Express Horse	1 133.050			
Postal	112,120			
Postal	74,530 105,120			
Assembly (ACW)	100,120		168,950	168,950
Clark (ACI)	146,210 170,700	122,300 155,370	168,950 172,200	168,950 164,700
Official (NAC)	170,700	155,370	100 000	100 000
" —Cars 107-128(ACW)			182,800 195,040	195,040
Chair—60ft(ACI)	100,620		138,000	132,000
" -72 ft(ACI)			165,000	157,800
-72ft(ACW)			158,700 120,900	104 500
-Streamine-Single (ACS)			205,400	172,600
* -74 ft(ACI)			120,900 205,400 180,915 197,944 136,100 157,800 151,000	173,125
-74 ft(ACS)			197,944	181,600
Coaches—60 ft(ACI)	98,130		157,800	151,000
Chair—60 ft. (ACI) —72 ft. (ACI) —72 ft. (ACI) —72 ft. (ACW) —Streamline—Single (ACS). ———————————————————————————————————	137,640 137,640		151,000	182,800 195,040 132,000 157,800 158,700 172,600 173,125 181,600 130,100 151,000 151,000 157,400 163,500 161,200
" —72 ft(ACI)			164,500	157,400
" —72 ft(ACW)			153,500	153,500
-73 ft 6 in (ACI)			153,500 163,000 168,500	161,200
- 72 ft. (Interurban)	120,000			
All-Day Lunch—Chair	105,970			
-72ft. (Interurban). All-Day Lunch—Chair. — Cafe-Coach. Cafe-Lounge. (ACI). Cafe-Lounge. (ACI). — (ACW) Daylight—(12-cartrain). (ACS). — Comb. Baggage & Coach (ACS). — Art. Chair. (ACS). — Tavern. (ACS). — Diner. (ACS). — Parlor (ACS).	103,875	138 600	155,700	149.000
Cafe-Lounge(ACI)	148,950	138,600 161,200	173,500	166,000
"(ACW)			173,500 156,000	156,000
Daylight—(12-cartrain)(ACS)			118 040	102 540
-Comb. Baggage & Coach (ACS)			203,640	170,840
-Tavern(ACS)			130,850	114,450
" —Diner(ACS)			129,860	113,460
-Parlor(ACS)Parlor-Observation(ACS)			1,344,080 118,940 203,640 130,850 129,860 115,880 118,690	149,000 166,000 156,000 1,147,280 102,540 170,840 114,450 113,460 99,480 102,290
Diner-70 ft		135,930 146,930		
	155,330 156,000	146,930	170 100	100 700
" —72 ft. (Arch Roof). (ACI). (ACI). (ACI). (ACI). (ACW).	156,000		170,100 162,950 169,450 189,581	162,700 162,950 169,450 173,836
" -77 ft. (Clere Story Roof)(ACW)		165,530	169,450	169,450
" -77 ft. (" ")(ACM)			189,581	173,836
-79 ft(NAC)	169,100			
"—80 ft. (Clere Story Roof)(ACM) Lounge ("")(ACI) "(Arch Roof)(ACI)			201,323 189,800	184,700 181,630 160,300
" (Arch Roof)(ACI)			167,500	160,300
" ")(ACW)	177 100		164,980	157,780 161,900
Observation—75 ft(ACI) —77 ft(ACI)	154,400		169,185 194,543	186,166
		141,870		
Pullman—Observation(ACI)	160,800 160,800	141,870 153,000	177,314	169,200
" - " (ACM). " Lounge(ACM).	171 200	153,000	177,314 192,300 194,900	169,200 176,300 178,900
" - " Lounge(ACM)	171,200		187,682	179,600
" —Bedroom(ACI)	167,600		183,920	179,600 176,000
" - "(ACM).	107,000		195,800	179,800
	163,100		180,075	171,500
" — "(ACI) " — Tourist(ACM)	1 153,000		187,682 183,920 195,800 191,100 180,075 185,200	179,800 175,100 171,500 169,200 161,400
Rail, Gas-Electric—400 H.P(ACI)	153,000		168,663	161,400
Rail, Gas-Electric—400 H.P	158,400			
-000 H.F	101,200	1		

*Steel underframe.

GODE:—NAC—Non-Air Conditioned.

- -ACI -Air-Conditioned—Ice System.
 -ACM-Air-Conditioned—Mechanical System.
 -ACW-Air-Conditioned—Waukesha System.
 -ACS -Air-Conditioned—Steam Ejector System.

LIST OF SURGEONS

NAME	TITLE	LOCATION
Dr. C. A. Walker	Chief Surgeon and Manager	San Francisco, Cal.
Dr. J. D. Morgan	District Surgeon	Fresno, Cal.
Dr. Chas. A. James	District Surgeon	Fresno, Cal.
Dr. D. H. Trowbridge, Jr	Oculist	Fresno, Cal.
	Aurist	Fresno, Cal.
Dr. Wayne Hunt	Asst. District Surgeon	Fresno, Cal.
Dr. O. B. Doyle		Selma, Cal.
Dr. J. D. Wagner	District Surgeon	Fowler, Cal.
Dr. W. H. Nielson	District Surgeon	
Dr. E. C. Halley	District Surgeon	Sanger, Cal.
Dr. G. A. Hawkins	District Surgeon	Reedley, Cal.
Dr. R. E. Cronemiller	District Surgeon	Exeter, Cal.
Dr. Edgar Brigham	District Surgeon	Dinuba, Cal.
Dr. O. A. Olson	District Surgeon	Kingsburg, Cal.
Dr. M. S. McMurtry	Emergency Surgeon	Clovis, Cal.
Dr. R. N. Fuller	District Surgeon	Tulare, Cal.
Dr. J. Seiberth	District Surgeon	Pixley, Cal.
Dr. Henry A. Rivin	District Surgeon	Delano, Cal.
Dr. W. B. Smith	District Surgeon	Delano, Cal.
Dr. F. R. Guido	District Surgeon	Visalia, Cal.
Dr. C. T. Rosson	District Surgeon	Hanford, Cal.
Dr. C. T. Rosson, Jr	Asso. Dist. Physician & Surgeon	Hanford, Cal.
Dr. J. C. Drake	District Surgeon	Kerman, Cal.
Dr. Geo. A. Meracle	Emergency Surgeon	Caruthers, Cal.
Dr. Wm. P. Byron	District Surgeon	Lemoore, Cal.
Dr. Bryson E. Cox	District Surgeon	Coalinga, Cal.
Dr. P. S. Barber	District Surgeon	Porterville, Cal.
Dr. W. W. Tourtillott	District Surgeon	Porterville, Cal.
Dr. J. R. Fillmore	Emergency Surgeon	Strathmore, Cal.
Dr. H. D. R. Shoemaker	District Surgeon	Lindsay, Cal.
Dr. H. W. Bell	Division Surgeon	Bakersfield, Cal.
Dr. C. L. Moore	District Surgeon	Bakersfield, Cal.
	Consulting Physician & Surgeon.	Bakersfield, Cal.
Dr. J. M. Kirby	Oculist and Aurist	Bakersfield, Cal.
Dr. R. M. Jones		Tehachapi, Cal.
Dr. Harold L. Schlotthauer.	District Surgeon	Mojave, Cal.
Dr. Phil J. Vogel	District Surgeon	Lone Pine, Cal.
Dr. M. A. Williamson	District Surgeon	
Dr. Howard W. Dueker	Acting Dist. Phys. & Surgeon	Lone Pine, Cal.
*Dr. George D. Shultz	District Surgeon	Lone Pine, Cal.
Dr. Harvey Crook	District Surgeon	Bishop, Cal.
Dr. Thomas A. Drummond.	Emergency Surgeon	Randsburg, Cal.
Dr. W. R. Senseman	District Surgeon	Lancaster, Cal.
Dr. N. H. Snook	District Surgeon	Palmdale, Cal.
Dr. E. C. Innis	District Surgeon	Saugus-Newhall, Ca
Dr. R. W. Johnson	District Surgeon	San Fernando, Cal.

*Subject to call to Independence, Cal., at all times.

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

LOCATION OF HOSPITAL STRETCHERS

E ROOM	MOJAVE	BAGGAGE ROOM CAR SHOPS
ION	SAU	GUS
BAGGAGE ROOM EMERGENCY HOSPITAL RELIEF TRAIN CAR SHOPS MACHINE SHOPS	L POF COA HAI OWI KEI	ETER RTERVILLE ALINGA NFORD ENYO ELER
	EF TRAIN ION BAGGAGE ROOM EMERGENCY HOSPITAL RELIEF TRAIN CAR SHOPS	E ROOM MOJAVE EF TRAIN ON SAU BAGGAGE ROOM EXI EMERGENCY HOSPITAL POF RELIEF TRAIN COA CAR SHOPS HAI MACHINE SHOPS OW

TEHACHAPI

LOCATION OF HOSPITALS

GENERAL HOSPITALSAN	FRANCISCO
EMERGENCY HOSPITALBA	
WHITE MEMORIAL HOSPITALLO	

In Min of		Th-	Dank	of Tender.	
in M's or	1000	LDS.	Back (or render.	

Nominal Class	Official Class	Engine Numbers	Boiler Pressure	Bakersfield and Fresno via Goshen Jct., Bakersfield and Kerman via Armona	Famoso and Fresno, via Exeter	Rosamond and Lancaster	Bakersfield to Rosamond	Lancaster to Saugus	Saugus to Lancaster	Rosamond to Bakersfield	Los Angeles to Saugus	Saugus to Los Angele
M-4 M-4	M-63 20/28 135-S M-63 20/28 126	1617 to 1713	190 190	4150 3950	3300 3150	4150 3950	580 580	750 740	680 670	680 670	730 730	820 820
M-8	M-63 21/28 159-S	1721 to 1803	200	4850	3800	4850	700	900	820	820	930	1000
M-6 M-9	M-63 21/28 150-S M-63 21/28 150-S	1806 to 1822	210	5100	4050	5100	760	970	890	890	990	1100
M-11 M-11	M-63 21/28 153-S M-63 22/28 153-S & 162-SF	1831	210 200	5100 5300	4050 4200	5100 5300	780 780	1000 1000	910 910	910 910	990 990	1100 1100
T-23 T-23	T-63 21/28 156-S T-63 21/28 163-SF	2301 to 2310	210	5050	4000	5050	730	940	850	850	930	1030
T-28, 31 T-32	T-63 22/28 162-S T-69 23/28 174-S	2311 to 2362 2363 to 2370, 2372 to 2384	210 210	5550 5700	4400 4500	5550 5700	820 860	1050 1050	950 990	950 990	1050 1050	1200 1200
P-1, 3, 5 P-4 P-6	P-77 22/28 141-S P-77 23/28-155/B 58-SF P-77 25/28 172-S	2400 to 2452, 2459, 2460 2400 to 2437 2453 to 2458	210 210 200	4600 5000 5650	3600 3950 4450	4600 5000 5650	630 690 810	800 870 1000	740 800 940	740 800 940	800 900 1000	890 1100 1150
P-10 P-10	P-73 25/30 181-SF P-73 25/30-183/B-63-SF	2478 to 2483	200	6250	4950	6250	830	1100	980	980	1100	1250
C-9, 10 C-9, 10 C-8 C-5 C-5	C-57 22/30 200-SF C-57 22/30 194-S C-57 22/30 192-S C-57 22/30 187-S C-57 22/30 185-S	2513 to 2599, 2698 to 2860 2624 to 2679	210	6100	4800	6100	900	1150	. 1050	1050	1200	1300
A-6	A-81 22/28-127/B-64-SF	3000 to 3003	210	4400	3450	4400	600	750	690	690	700	800
A-3 A-3	A-81 20/28 112-S A-81 20/28-116/B-59-S	3025 to 3040, 3043 to 3071}	210	3600	2850	3600	450	580	530	530	550	630
Mk-5, 6 Mk-5, 6	Mk-63 26/28 210-S Mk-63 26/28 231-SF	3241 to 3277	210	7800	6200	7800	1200	1500	1350	1350	1450	1600
Mk-7, 8, 9	Mk-63 29/30 247-S & 257-SF	3300 to 3324	176	8550	6750	8550	1300	1650	1500	1500	1650	1850
F-4, 5 F-5	F-63 291/32-306/B-61-SF F-63 291/32-306/B-62-SF	3668 to 3768	200	10,200	8050	10,200	1500	1950	1750	1750	2100	2300
AC-1, 2, 3	AC-57 23-23 441-SF	4000 to 4048	210	12,300	9750	12,300	1900	2450	2200	2200	2250	2450
AC-4 AC-5	AC-63 24-24 475-SF AC-63 24-24 483-SF	4100 to 4125	235	16,000	12,700	16,000	2500	3200	2900	2900	3200	3500
Mt-1,3,4,5	Mt-73 28/30-246/B-60-SF	4300 to 4376	210	8350	6600	8350	1150	1500	1350	1350	1550	1750
GS-1 GS-2	GS-73 27/30 262/B-104-SF GS-73 27/30 266/B-104-SF	4400 to 4415	250	9000	7050	9000	1200	1550	1400	1400	1600	1800
GS-3	GS-80 26/32 267/B-105-SF	4416 to 4429	280	9200	7250	9200	1250	1600	1450	1450	1650	1850
SP-1 SP-2, 3	SP-63 285 316 /B-60-SF SP-63 285 317 /B-61-SF	5000 to 5048	225	12,000	9500	12,000	1800	2350	2100	2100	2450	2700
Marie Land	or Empty and Underloaded C	Less than 40 Ms		6 3	6 3	6 3	3	3 0	3 0	3 0	3 0	3 0

AN JOAQUIN DIVISION: End Western Division to Goshen Jet	40.10 0.52	
Goshen Jet. to Saugus S. P. R. R. Sresno to Famoso via Exeter S. P. R. R.	210.18 103.95	
Total main lines.		354.75
BRANCHES	1	
Arvin S. P. Co. Magunden to Arvin Slovis S. P. R. R. Fresno to Friant Soalings S. P. R. Armona to Crump	16.89 24.14 41.02	
resno Interurban, .F. I. Ry. Co Barton to Hammond	16.89	
Geeler C. P. Ry Benton to Keeler GeKittrick S. P. R. R. Bakersfield to Olig Jinkler-Southern A. T. & S. F. Porterville to Ducor.	101.98 49.61 12.53	
hil City S. P. R. R. Oil Junction to Oil City weenso C. P. Ry Mojave to Owenso.	6.76 143.15 1.48	
tichgrove. S. P. R. R. Richgrove to Jovista. tiverdale. S. P. R. R. Ingle to Goshen Jct. tratford S. P. R. Rossi to Stratford	4.16 64.48 8.26	
uccess S. P. Co. Porterville (Olive St.) to Clavicle isalia. S. P. R. Goshen Jct. to Exeter	13.43 16.76	
Total Branches		521.54
Total San Joaquin Division		876.29

These ratings include the total weight of train, exclusive of engine and tender, which the different class of locomotives will haul in each direction between the stations shown.

CLASS "C"-Consolidation engine "M"-Moguls "Mk"-Mikado "E"-Eight-wheeler "T"-Ten-wheelers

"TW"-Twelve-wheelers

"P"-Pacific Type

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

C. G. TANDY, Trainmaster, Fresno

A. H. HOFFMAN, Trainmaster—Road Foreman of Engines, Bakersfield

A. R. McEACHERN, Trainmaster—Roadmaster, Owenyo DISCONTINUED APRIL 15,1939

F. E. KALBAUGH, Asst. Trainmaster, Bakersfield

E. F. WASEM, Chief Dispatcher,

P. E. TURNER, Asst. Chief Dispatcher,

J. S. FOCKLER, Asst. Chief Dispatcher.

B. W. MITCHELL, Asst. Superintendent. (TRANSFERRED S. H. BRAY APPOINTED JULY 1,1939

