



SANTA FE SAFETY FIRST



Every employe should promptly report any unsafe condition or practice to his foreman, some member of the Safety Committee or other proper company officer.

(See General Rules E, F, M and N, Book of Rules.)

TRAINMASTERS

- E. E. SANDERS Bakersfield, Calif.
- W. A. ROEBUCK Fresno, Calif.
- G. H. DOTSON Stockton, Calif.
- D. E. BEAUCHAMP Richmond, Calif.

ASSISTANT TRAINMASTER

- R. J. ST. JOHN Richmond, Calif.

ROAD FOREMEN OF ENGINES

- H. F. KNIGHT Fresno, Calif.
- J. F. FRAME Bakersfield, Calif.

CHIEF DISPATCHER

- E. H. HAMIC Fresno, Calif.

ASSISTANT CHIEF DISPATCHERS

- N. S. PETERSEN Fresno, Calif.
- E. C. STRETCH Fresno, Calif.
- J. E. SIKES Fresno, Calif.

DISPATCHERS - FRESNO

- | | |
|---------------|-----------------|
| L. L. WEBSTER | L. L. SAGE |
| G. M. YOUNG | J. H. WEBBER |
| R. L. SIMPSON | E. T. FOREMAN |
| R. D. RILEY | B. E. WALDRUM |
| M. L. POTTER | L. E. KIRKEENG |
| G. T. WHEELER | J. B. BONESTEEL |

The
Atchison, Topeka and Santa Fe
Railway Co.



COAST **Santa Fe** LINES

VALLEY DIVISION

AND

SAN FRANCISCO TERMINAL DIVISION

TIME TABLE No.

15

IN EFFECT

Sunday, April 24, 1966

At 12:01 A.M.

Pacific Standard Time

This Time Table is for the exclusive use
and guidance of Employes.

J. N. LANDRETH
General Manager
LOS ANGELES, CALIF.

E. R. ROBERTSON
Asst. General Manager
LOS ANGELES, CALIF.

S. ROGERS
Superintendent
FRESNO, CALIF.

J. T. GROUNDWATER
Superintendent
SAN FRANCISCO, CALIF.

Capacity of Sidings In 50 ft. Cars	Turn Tables and Wyes	Ruling Grade Ascending— Feet Per Mile	WESTWARD		TIME TABLE NO. 15 April 24, 1966	EASTWARD		Mile Post	Ruling Grade Ascending— Feet Per Mile	Communications
			FIRST CLASS			FIRST CLASS				
			7	1		8	2			
			Passenger	San Francisco Chief		Passenger	San Francisco Chief			
Yard	Y			Leave Daily	Leave Daily	Arrive Daily	Arrive Daily			
		34.3		PM 3.50	AM 4.25			746.4	0.0	C-R
233		12.1						748.6	7.7	B
162		34.3						757.2	24.5	B
161		34.3						766.1	12.2	B
165		34.3						772.9	26.9	B
161	Y	28.0		4.23	5.00			784.0	34.3	C
162		0.0						789.6	19.0	B
161	Y	26.4		4.35	5.11			797.1	0.0	C
160		34.3						803.6	26.4	B
175		24.3						810.1	0.0	B
	Yard	52.8		s 4.50 f 5.10	f 5.37			818.4		C-R
				7.12	7.40			885.2		C
	Yard	15.8		s 7.20 PM	s 7.50 AM			887.7	0.0	C-R
				Arrive Daily	Arrive Daily					
				(39.5)	(40.4) Average speed per hour.....		(40.4)	(40.4)	

Rule 261 (TCS) in effect on main track and sidings between West Tower Barstow and M.P. 817.5 at Mojave.

In TCS sidings, speed limit 40 MPH.

Rule 85: Between Barstow and Mojave, exchange of train orders, signals and numbers, is not required.

At Barstow between East and West Towers there is no superiority of trains. Trains and engines within these limits must proceed at restricted speed; between these points main track may be used not protecting against other trains or engines.

At Bakersfield between Signal 8871 at M.P. 887.5 (H Street) and end of two tracks 800 feet west of M.P. 888 there is no superiority of trains. Trains and engines within these limits must proceed at restricted speed; between these points main track may be used not protecting against other trains or engines.

Southern Pacific time table and rules govern movement of trains Kern Junction interlocking to M.P. 817.5 at east end of Mojave yard.

Rule 251 in effect between Kern Jct. and M.P. 887.5 at Bakersfield.

Trains must get clearance card before leaving Barstow and Bakersfield, except at Barstow trains may proceed on clear train order signal in lieu of clearance card.

ARVIN DISTRICT

Capacity of Sidings In 50 ft. Cars	Ruling Grade Ascending— Feet Per Mile	WESTWARD	TIME TABLE	EASTWARD	Mile Post	Ruling Grade Ascending— Feet Per Mile
			NO. 15 April 24, 1966			
STATIONS						
100	42.2		ARVIN 4.3		333.1	37.0
	0.0		DI GIORGIO 2.0		328.8	42.2
67	0.0		RIBIER 2.2		326.8	43.3
54	0.0		LAMONT 1.1		324.6	43.3
	0.0		WEST LAMONT 6.6		323.5	43.3
	0.0		ALGOSO 0.3		316.9	43.3
	0.0		MAGUNDEN		316.6	
			(16.5)			

No switch lights on Arvin District.
Wye at Di Giorgio.
Booth phone at Arvin, Di Giorgio, Lamont and Magunden.
Yard limits Arvin to Magunden, inclusive.

OIL CITY DISTRICT

Capacity of Sidings In 50 ft. Cars	Ruling Grade Ascending— Feet Per Mile	WESTWARD	TIME TABLE	EASTWARD	Mile Post	Ruling Grade Ascending— Feet Per Mile
			NO. 15 April 24, 1966			
STATIONS						
38			OIL JUNCTION 2.2		308.6	0.0
28	21.1		SEGURO 0.8		310.8	0.0
24	10.5		MALTHA 2.1		311.6	42.2
Yard	52.8		OIL CITY		313.7	
			(5.1)			

No switch lights on Oil City District.
Wye at Oil Junction.
Booth phone at Oil Junction.
Yard limits Oil Junction to Oil City, inclusive.

Capacity of Sidings In 50 ft. Cars	Turn Tables and Wyes	Ruling Grade Ascending— Feet Per Mile	WESTWARD		TIME TABLE NO. 15 April 24, 1966	EASTWARD		Mile Post	Ruling Grade Ascending— Feet Per Mile	Communications	
			FIRST CLASS			FIRST CLASS					
			7	1		2	8				
			Passenger	San Francisco Chief		San Francisco Chief	Passenger				
			Leave Daily	Leave Daily	STATIONS			Arrive Daily	Arrive Daily		
Yard	T	13.3	PM 7.35	AM 8.00	BAKERSFIELD	s 4.35	s 12.15	887.7	15.5	C-R	
E134 W122		0.0			3.4 JASTRO			891.1	14.7		
180		9.2			6.6 UNA			897.7	0.0		
E96 W118		0.0	f 7.52	f 8.20	7.7 SHAFTER	f 4.13	11.47	905.4	10.6	C-R	
130		0.0	f 7.59	f 8.30	7.6 WASCO	f 4.05	11.39	913.0	15.8	C-R	
178		0.0			6.2 ELMO			919.2	15.8	B	
180		0.0			5.4 KERNELL			924.6	8.4	B	
178		0.0			7.7 ALLENSWORTH			932.3	1.7	B	
178		9.5			9.8 ANGIOLA			942.1	2.6	B	
E116 W198	Y	4.1	s 8.28	s 9.00	8.8 CORCORAN	f 3.36	11.12	950.9	0.0	C-R	
178		4.1			9.4 GUERNSEY			960.3	0.0	B	
E176 W92		5.8	s 9.00	s 9.20	7.6 S. P. Crossing HANFORD	s 3.20	s 10.55	967.9	0.0	C-R	
180		10.6			5.3 SHIRLEY			973.2	15.8	B	
70	Y	14.6			2.8 LATON			976.0	15.8	B	
180		0.0			6.2 CONEJO			982.2	0.0	B	
178		10.6			6.1 BOWLES			988.3	0.0	B	
		0.0			6.1 S. P. Crossing			994.4	4.2		
Yard	TY		PM 9.22	AM 9.43	CALWA	2.52 PM	10.27 PM	995.2		C-R	
			Arrive Daily	Arrive Daily	(107.5)	Leave Daily	Leave Daily				

(60.3) (62.6)Average speed per hour..... (62.6) (59.7)

At Bakersfield between Signal 8871 at M.P. 887.5 (H Street) and end of two tracks 880 feet west of M.P. 888 there is no superiority of trains. Trains and engines within these limits must proceed at restricted speed; between these points main track may be used not protecting against other trains or engines.

Rule 261 (TCS) in effect on main tracks and sidings, except on siding Laton, between end of two tracks Bakersfield and Calwa.

In TCS sidings, speed limit 40 MPH.

Rule 85: Between Bakersfield and Calwa, exchange of train orders, signals and numbers, is not required.

Trains must get clearance card before leaving Bakersfield and Calwa.

LATON DISTRICT						
Capacity of Sidings In 50 ft. Cars	Ruling Grade Ascending— Feet Per Mile	WESTWARD	TIME TABLE NO. 15 April 24, 1966	EASTWARD	Mile Post	Ruling Grade Ascending— Feet Per Mile
		↓		↑		
STATIONS						
57	0.0		LATON		0.0	10.4
7	0.0		5.6 CLINT		5.6	0.0
10	0.0		4.0 GEFFORD		9.6	0.0
16	0.0		6.0 SHILLING		15.6	0.0
11	0.0		1.8 LANARE		17.4	0.0
(17.4)						

No switch lights on Laton District.
Wye at Laton and Lanare.
Booth phone at Laton.
Yard limits Laton to Lanare, inclusive.

4 VALLEY DIVISION

SECOND DISTRICT

Capacity of Seatings in 30 Ft. Cars	Turn Tables and Wyes	Rating Grade Ascending— Feet Per Mile	WESTWARD		TIME TABLE	EASTWARD		Mile Post	Rating Grade Ascending— Feet Per Mile	Communications
			FIRST CLASS			FIRST CLASS				
			7	1		2	8			
			Passenger	San Francisco Chief	NO. 15	San Francisco Chief	Passenger			
			Leave Daily	Leave Daily	April 24, 1966	Arrive Daily	Arrive Daily			
Yard	TY	15.8	PM 9.22	AM 9.43	CALWA	PM 2.52	PM 10.27	995.2	2.6	C-R
		15.8			1.6 S. P. Crossing			996.8	2.6	
		5.3			0.9 S. P. Crossing			997.7	5.3	
Yard		15.8	s 10.00	s 9.55	FRESNO	s 2.45	s 10.20	998.1	5.3	C
80		15.8			2.0 HAMMOND			1000.1	5.3	B
172		10.6			4.9 FIGARDEN			1005.0	15.8	B
180		15.8			6.3 GREGG			1011.3	15.8	B
180		15.8			8.3 MADERA			1019.6	15.8	B
180		7.4			5.8 KISMET			1025.5	0.0	B
E184 W144		15.8			5.7 SHARON			1031.1	15.8	B
180		5.3	f 10.40	10.38	10.4 LE GRAND	1.56	9.22	1041.5	15.8	B
194		0.0			5.8 PLANADA			1047.3	12.7	B
202		5.3	s 11.00	s 10.55	8.8 MERCED	s 1.45	s 9.10	1056.1	17.4	C-R
180		18.0			6.8 FLUHR			1062.9	20.0	B
180		15.8			8.8 BALLICO			1071.7	15.8	B
180		22.7			7.9 DENAIR			1079.6	15.3	B
180		26.4	f 11.23	s 11.23	9.6 EMPIRE	s 1.10	f 8.39	1089.2	0.0	C
160	Y	15.8	s 11.48	11.30	6.4 RIVERBANK	1.04	s 8.32	1095.6	15.8	C-R
186		0.0			6.0 ESCALON			1101.6	15.8	C
180		0.0	AM		8.0 DUFFY			1109.6	5.3	
162	Y	0.0	f 12.07		10.4 MORMON			1120.0	10.3	C-R
		0.0			0.7 W. P. Crossing			1120.7	10.3	C
137	Y	1.6	s 12.40	s 12.01	STOCKTON TOWER	s 12.40	s 8.05	1121.4	1.8	B
96		0.0	12.47	12.07	0.7 STOCKTON	12.32	7.47	1126.6	0.5	B
72		0.8	f 12.50		5.2 GILLIS			1129.3	0.0	C
98		11.6	12.53	12.12	2.7 HOLT	12.27	7.43	1133.0	5.3	B
		0.0			3.7 TRULL			1134.8	10.6	C
71		3.2	12.58	12.19 ²	1.8 MIDDLE RIVER	12.19 ¹	7.38	1136.8	10.6	B
74		6.3			2.0 ORWOOD			1139.8	0.0	C
96		3.6	1.03	12.25	3.0 BIXLER	12.14	7.33	1143.0	6.6	B
64		13.2	1.06		3.2 KNIGHTSEN			1146.1	15.8	B
108		0.0	1.10	12.31	3.1 OAKLEY	12.08	7.27	1150.3	15.8	C
104		15.8	1.12	12.33	4.2 SANDO YL	12.06	7.25	1152.1	6.6	C-R
134		5.3	s 1.24	f 12.39	1.8 ANTIOCH YL	s 12.01	s 7.20	1155.8	11.6	B
70		15.8	1.28	12.43	3.7 PITTSBURG YL	PM 11.55	7.11	1159.2	0.0	C
108		0.0	f 1.32	12.50	3.4 BROSE	11.51	7.07	1163.6	0.0	B
67		52.8	1.36	12.56	4.4 PORT CHICAGO YL	11.48	7.04	1166.9	52.8	B
68		52.8	1.44	1.06	3.3 MALTBY	11.40	6.56	1173.4	52.8	B
96		0.0	1.47	1.12	6.5 GLEN FRAZER	11.35	6.52	1176.0	52.8	B
102		0.0	1.51	1.17	2.6 CHRISTIE	11.31	6.48	1179.1	52.8	B
		49.6	f 1.57	f 1.20	3.1 COLLIER	11.27	s 6.44	1181.5	29.9	C
104		52.8	1.59	1.23	2.4 PINOLE	11.25	6.40	1182.6	52.8	B
106		51.7	2.03	1.29	1.1 GATELEY	11.21	6.36	1186.5	52.8	B
Yard	TY		s 2.15 AM	s 1.45 PM	3.9 RHEEM	11.15 AM	6.30 PM	1189.6	52.8	C-R
			Arrive Daily	Arrive Daily	3.1 RICHMOND YL	Leave Daily	Leave Daily			
					(194.4)					

TRAFFIC CONTROL SYSTEM

AUTOMATIC BLOCK SYSTEM

TWO TRACKS

AUTOMATIC TRAIN STOP

(39.8)

(48.2)

.....Average speed per hour.....

(53.8)

(49.2)

(Continued on Page 5)

Continued from page 4)

Rule 261 (TCS) in effect on main tracks and sidings, except on siding Hammond, between Calwa and signal located 100 feet west of MP 1123.

In TCS sidings, speed limit 40 MPH.

Rule 85: Between Calwa and Stockton, exchange of train orders, signals and numbers, is not required.

At Sando, westward train on main track meeting eastward train must not pass preliminary board until Signal 11503 assumes stop position; westward train on siding must occupy spotting section two minutes with switch reversed, after which Signal 11505 will clear if main track unoccupied.

At Glen Frazer, westward train finding Signal 11731 or Signal 11733 in stop position may obtain proceed signal if route is clear by inserting switch key in governing signal box and turning to right. Westward train on auxiliary siding will find Signal 11735 in stop position and may obtain proceed signal if route is clear by lining switch for main track.

At Christie, eastward train on main track to meet westward train, must not pass preliminary board in advance of Signal 11752 until westward train has entered siding. Eastward train on siding must remain west of spotting section until ready to depart. Spotting section designated by sign near dwarf Signal 11754. Eastward train, when ready to proceed, must occupy spotting section between sign and dwarf signal; signal will clear in 45 seconds if main track is clear between west end of Glen

Frazer and Signal 11782 at east end of Collier. If train is occupying section of main track between east end of Christie and Signal 11782 at east end of Collier, the signal will not clear before two and one-half minutes.

Train failing to secure proceed indication on Signals 11731, 11733, 11735, 11752 or 11754 through procedure indicated above will be preceded through tunnel by flagman and train will not enter tunnel until flagman reaches opposite end of tunnel, calls on phone and notifies dispatcher and conductor (latter will listen in on phone at portal of tunnel from which flagman started) that route is clear. Flagman will specify "This is Flagman (giving name) of Train No. (giving number of train) and the route is clear." Conductor will acknowledge this information and train will proceed through tunnel at restricted speed. Both telephones located at each portal of tunnel.

Night signals will be displayed through all tunnels between Maltby and Christie.

At Richmond between MP 1188.6 and junction Oakland district there is no superiority of trains. Trains and engines within these limits must proceed at restricted speed.

Trains must get clearance card before leaving Calwa and Richmond.

Extra trains must get clearance card before leaving Riverbank.

Trains originating must get clearance card before leaving Mormon.

FRESNO INTERURBAN DISTRICT

Capacity of Sidings In 50 ft. Cars	Ruling Grade Ascending— Feet Per Mile	WESTWARD	TIME TABLE NO. 15 April 24, 1966	EASTWARD	Mile Post	Ruling Grade Ascending— Feet Per Mile
						
			STATIONS			
			HAMMOND		0.0	
7	0.0		2.0 CINCOTTA		2.0	0.0
6	0.0		0.4 BARTONETTE		2.4	0.0
24	0.0		2.6 CAMEO S. P. Crossing		5.0	0.0
6	0.0		2.2 BURNES		7.2	0.0
24	0.0		5.8 FAIRVIEW		13.0	0.0
7	42.2		1.2 BIG BUNCH		14.2	10.6
14	15.3		1.0 ZEDIKER		15.2	8.4
10	9.5		0.5 RIVERBEND		15.7	0.0
4	31.7		1.0 ELK		16.7	42.2
	10.6		0.2 BELMONT AVE.		16.9	0.0
			(16.9)			

No switch lights on Fresno Interurban District.
Booth phone at Hammond.
Yard limits Hammond to Belmont Ave., inclusive.

OAKLAND DISTRICT SAN FRANCISCO TERMINAL DIVISION

Capacity of Sidings In 50 ft. Cars	Turn Tables and Wyes	Ruling Grade Ascending— Feet Per Mile	Westward	TIME TABLE NO. 15 April 24, 1966	Eastward	Mile Post	Ruling Grade Ascending— Feet Per Mile	Communications
								
				STATIONS				
Yard	TY			RICHMOND		0.0		R-C
66		64.4		4.5 EL CERRITO		4.5	39.6	B
20		22.7		3.5 BERKELEY		8.0	31.7	C
		0.0		1.9 S. P. Crossing		9.9	0.0	
Yard	Y	0.0		1.0 OAKLAND 40th and San Pablo		10.9	79.4	R-C
				(10.9)				

Engine bell must ring continuously while moving between Richmond and Oakland.

Train and engine movements between Richmond and Oakland will be made in accordance with Rule 105.

6 VALLEY DIVISION

VISALIA DISTRICT

Capacity of Sidings In 50 ft. Cars	Ruling Grade Ascending— Feet Per Mile	WESTWARD	TIME TABLE	EASTWARD	Mile Post	Ruling Grade Ascending— Feet Per Mile
		↓	NO. 15 April 24, 1966	↑		
Yard			STATIONS			
			CORCORAN YL		0.3	
16	28.5		4.1 WAUKENA		4.4	0.0
32	13.2		5.6 PAIGE		10.0	0.0
24	16.6		5.0 S. P. Crossing TULARE YL		15.0	0.0
52	13.9		5.2 LOMA		20.2	0.0
46	5.3		5.0 VISALIA YL		25.2	0.0
28	0.0		6.6 S. P. Crossing PERAL		31.8	16.2
	11.6		1.5 S. P. Crossing		33.3	0.0
	11.6		2.9 CALGRO		36.2	0.0
66	10.6		2.3 CUTLER YL		38.5	15.9
32	0.0		3.2 SULTANA		41.7	0.0
52	0.0		3.4 DINUBA		45.1	13.2
Yard	9.3		3.7 REEDLEY YL		48.8	0.0
	14.6		1.9 S. P. Crossing		50.7	0.0
22	14.6		0.3 LAC JAC		51.0	0.0
68	0.0		2.4 PARLIER YL		53.4	0.0
23	5.3		1.4 MLEY		54.8	0.0
52	1.1		3.7 DEL REY YL		58.5	2.5
42	0.0		3.4 WOLF		61.9	7.9
32	0.0		2.5 LONE STAR YL		64.4	8.5
20	0.0		2.0 CECILE		66.4	10.6
Yard	0.0		2.5 CALWA YL		68.9	10.6
			(68.6)			

Wye at Corcoran, Reedley, and Calwa.
Office of Communication at Corcoran, Tulare, Visalia, Cutler, Sultana, Dinuba, Reedley, Parlier, Del Rey, and Calwa; booth phone at Waukena and Calgro.

WAHTOKE DISTRICT

Capacity of Sidings In 50 ft. Cars	Ruling Grade Ascending— Feet Per Mile	WESTWARD	TIME TABLE	EASTWARD	Mile Post	Ruling Grade Ascending— Feet Per Mile
		↓	NO. 15 April 24, 1966	↑		
Yard			STATIONS			
22	0.0		MINKLER		9.3	31.7
76	0.0		2.2 CELLA		7.1	0.0
17	33.2		1.2 WAHTOKE		5.9	0.0
32	0.0		1.5 RADWIN		4.4	41.4
Yard	0.0		4.4 REEDLEY		0.0	
			(10.1)			

No switch lights on Wahtoke District. Booth phone at Minkler.
Office of Communication at Reedley. Wye at Minkler and Reedley.
Yard limits MP 10.1 to Reedley, inclusive. Main track ends at MP 10 + 336'; just east of Minkler.

PORTERVILLE-OROSI DISTRICT

Capacity of Sidings In 50 ft. Cars	Ruling Grade Ascending— Feet Per Mile	WESTWARD	TIME TABLE	EASTWARD	Mile Post	Ruling Grade Ascending— Feet Per Mile
		↓	NO. 15 April 24, 1966	↑		
Yard			STATIONS			
			TCS BAKERSFIELD		116.0	
29	13.3		2.5 LANDCO YL		113.5	0.0
28	0.0		2.8 OIL JUNCTION YL		110.7	51.5
			38.8 DUCOR YL		71.9	
48	52.8		5.9 ULTRA		66.0	52.8
	52.8		7.0 PORTERVILLEJCT. YL		59.0	52.8
	0.0		0.8 S. P. Crossing PORTERVILLE YL		58.2	33.2
42	52.8		6.3 STRATHMORE JCT.		51.9	52.8
32	31.1		1.1 MIRADOR		50.8	0.0
28	3.1		4.1 LINDSAY YL		46.7	31.4
52	5.0		3.1 LUCCA		43.6	34.8
16	0.0		0.6 SIDES		43.0	0.0
12	15.8		3.8 EXETER YL		39.2	0.0
40	15.8		0.3 Visalia Elect. Crossing		38.9	0.0
	15.8		2.2 VENIDA		36.7	5.3
16	0.0		2.7 FANE		34.0	5.3
16	21.1		2.8 HILLMAID		31.2	8.9
	20.8		0.1 Visalia Elect. Crossing		31.1	30.8
	20.8		1.0 REDBANKS		30.1	30.8
16	0.0		1.8 CAIRNS		28.3	20.8
10	0.0		1.4 RAYO		26.9	17.4
18	0.0		3.1 SEVILLE		23.8	17.4
32	0.0		3.2 WYETH YL		20.6	10.8
	15.3		1.6 CUTLER YL		20.6	26.8
66	0.0		1.6 WYETH YL		20.6	0.0
	14.4		2.0 OROSI YL		18.6	15.2
24	30.3		6.4 ORANGE COVE YL		12.2	10.6
42	16.2		5.9 NAVALENCIA YL		6.3	31.7
23	25.3		6.3 MINKLER YL		0.0	
22			(116.0)			

Movements between Bakersfield and Landco will be made under Rule 261 (TCS) on First District.

No switch lights between Ducor and Minkler.

Wye at Landco, Porterville, Wyeth and Minkler.

Office of Communication at Bakersfield, Ducor, Porterville, Lindsay, Exeter, Cutler, Orange Cove; booth phone at Landco, Oil Junction, Ultra, Strathmore Junction, Fane, Redbanks, Wyeth, Orosi, and Minkler.

Southern Pacific time table and rules govern between Oil Junction and Ducor.

1. Rule S-72: Except as otherwise provided, all eastward trains are superior to westward trains of the same class.

2. Rule 2: Standard clocks are located at Barstow (telegraph office and roundhouse), Bakersfield (telegraph office and roundhouse), Calwa (telegraph office and roundhouse), Fresno, Riverbank, Mormon (telegraph office and roundhouse), Pittsburg, Richmond (telegraph office and roundhouse).

Rule 3: Crews of Southern Pacific and Sacramento Northern trains, having complied with their Companies' time regulations, may proceed over joint track.

Southern Pacific trains using joint track on Fresno Interurban District and between Ducor and Porterville Jct. and Sacramento Northern trains using joint track between Stockton Tower and Pittsburg will be governed by A.T.&S.F. time table and Rules, Operating Department.

3. Within traffic control system limits, where maximum speed exceeds 20 MPH, a train or engine must not clear the main track through a hand-thrown switch, not electrically locked, for the purpose of meeting, passing or being passed by another train or engine.

4. Rule 80: Bulletin books are located at Barstow, Bakersfield, Ducor, Calwa, Fresno, Riverbank, Mormon, Pittsburg, Richmond, and San Francisco (China Basin).

5. Rules 83 and 83 (A): Bakersfield, Southern Pacific register will be maintained to comply with Southern Pacific Rule 83-C, reflecting information on Kern Jct. register, but will not be used for registration.

At Mormon, first class and extra trains, except those originating or terminating, may register by Form 903.

At Cutler and Corcoran on Visalia District, trains may register by Form 903 during hours these offices are open.

6. Rule 93: Yard limits are located at:

Arvin Dist.	Parlier
Bakersfield to Kern Junction	Del Rey
Landco to Oil Junction	Lone Star
Oil City Dist.	Visalia
Ducor (Santa Fe tracks only)	Tulare
Porterville to and including Porterville Jct.	Corcoran (Visalia Dist. only)
Lindsay	Calwa (Visalia Dist. only)
Exeter	Lato Dist.
Cutler to and including Wyeth	Fresno Interurban Dist.
Wyeth to and including Minkler via Orosi	Du Pont to and including Pittsburg
Reedley	Port Chicago
Wahtoke Dist.	Richmond

7.

8.

9. Rule 104 (E) is amended: All sidings having hand-thrown derails will have derail locked off rail, except when engines or cars are left unattended on siding.

10.

11. Rule 761: Following is list of structures:

Mile Post	Location	Description
746.5	Barstow viaduct over passenger yard tracks and house tracks 1 to 4, inclusive	Highway Bridge
888.5	Bridge 888.5	Highway Bridge
888.8	Bridge 888.75	Highway Bridge
1096.7	Bridge 1096.719	Truss Bridge
1166.4	Bridge 1166.47	S. P. Bridge
1166.5	Bridge 1166.48	Highway Bridge
1169.3	Bridge 1169.3	Highway Bridge
1170.2	Between Maltby and Muir	Tunnel No. 1
1171.0	Between Muir and Glen Frazer	Tunnel No. 2
1173.6	Between Glen Frazer and Christie	Tunnel No. 3
1183.1	Bridge 1183.1-A	Road Bridge
1190.5	Between Richmond and Ferry Point	Tunnel No. 5

12. Rule 862: Revenue passengers, and employes holding passes stamped "Good on Freight Trains," may be carried on freight trains, but only to and from stations where these trains are required to stop.

SPEED REGULATIONS

13. Derricks, cranes, pile drivers, spreaders* and similar machinery moving on their own running gear must not be moved in trains except on authority of trainmaster, and trains handling such equipment must not exceed speeds indicated below:

District	Pile Drivers AT-199452 AT-199453 AT-199454 AT-199455 AT-199720	Wrecking Derricks	Other Machines Including Derrick 199775
	MPH	MPH	MPH
Mojave, First, Second	45	40	30
Oakland, Porterville-Orosi and Visalia	20	20	20
Any point on all other Districts	15	15	15

*Trains handling spreaders with wings folded and fastened must not exceed 45 MPH.

Pile drivers must be handled in train next to engine.

MAXIMUM AUTHORIZED SPEED FOR TRAINS

LOCATION	MPH Psg. and Light	Fr.	LOCATION	MPH Psg. and Light	Fr.
Mojave District	79	60	Oil City District	20	20
Arvin District	25	25	Lato District	15	15
First District			Wahtoke District	25	25
Bakersfield to Jastro	79	60	Fresno Interurban District	15	15
Jastro to Calwa	90	60			
Second District			In freight and mixed service with dynamic brake not in use the maximum speed on descending grades as follows:		
Calwa to Hammond	79	60	1.0 to 1.5%	30	MPH
Hammond to Mormon	90	60	1.5 to 2.0%	25	MPH
Mormon to Richmond	79	60	2.0 and over	15	MPH
Oakland District	20	20			
Visalia District			When street or highway crossings are shown speed applies only while head end of train is passing.		
Corcoran to Visalia	30	30			
Visalia to Calwa	40	40			
Porterville-Orosi District	40	40			

Between Barstow and Mojave, and Bakersfield and Stockton, where present speed is shown 60 MPH for freight trains, be governed as follows when controlling locomotive has operative dynamic brake and train consist is as listed below:

No. Units Operative Dyn. Brake	Tons	Average Weight Per Car	MPH
1 or more	1750 or less	46 to 50 tons 45 tons or less	65 70
2 or more	3249 or less	46 to 50 tons 45 tons or less	65 70
3 or more	3250 or less	Number of Cars	
		50 to 54	65
	55 or more	70	
	3251 to 3500	55 to 59	65
		60 or more	70
	3501 to 3750	60 to 64	65
		65 or more	70
	3751 to 4000	70 to 74	65
		75 or more	70
	4001 to 4250	75 to 79	65
80 or more		70	
4251 to 4500	80 to 89	65	
	90 or more	70	
4501 to 4750	90 to 99	65	
	100 or more	70	

MAXIMUM AUTHORIZED SPEED FOR TRAINS

LOCATION	MPH Psg. and Light	Frnt.	LOCATION	MPH Psg. and Light	Frnt.
MOJAVE DISTRICT					
Curve M.P. 747.2 to 747.6	60	60	Pittsburg M.P. 1155.4 to 1156.1	24	24
2 Curves M.P. 816.4 to 817.5	50	50	2 Curves M.P. 1161.3 to 1161.9	50	50
Kern Jct. to Bakersfield	20	20	4 Curves M.P. 1167.3 to 1168.6	50	50
ARVIN DISTRICT					
Curve M.P. 316.7 to 317.1	10	10	2 Curves M.P. 1168.6 to 1170.5	60	60
Curve M.P. 329.7 to 329.9	10	10	10 Curves M.P. 1170.5 to 1173.6	45	45
FIRST DISTRICT					
Bakersfield M.P. 887.5 to 889.	20	20	Tunnel No. 3 & 2 Curves M.P.		
2 Curves M.P. 889 to 890.1	50	50	1173.6 to 1175.5	50	50
Curve M.P. 892.9 to 893.4	70	70	14 Curves M.P. 1175.5 to 1180.9	45	45
Shafter Lerdo Road M.P. 905.1	70	70	4 Curves M.P. 1180.9 to 1182.5	55	55
Alpaugh Spur	10	10	4 Curves M.P. 1184.7 to 1187.8	50	50
Corcoran M.P. 950.5 to 951.7	50	50	1 Curve M.P. 1187.8 to 1189.0	45	45
Hanford M.P. 967.5 to 968.4	20	20	2 Curves M.P. 1189.0 to 1189.6	20	20
Curve M.P. 969.3 to 969.5	55	55	OAKLAND DISTRICT		
Curve M.P. 973.7 to 973.9	55	55	Track M.P. 0.0 to 10.2	20	20
2 Curves M.P. 975.0 to 975.8	50	50	Track M.P. 10.2 to 10.8	15	15
M.P. 994.4 to Calwa	40	40	Track M.P. 10.8 to 10.9	5	5
SECOND DISTRICT					
Calwa to M.P. 996.8	40	40	VISALIA DISTRICT		
M.P. 996.8 to 1002.0	20	20	Tulare M.P. 14.3 to 15.9	20	20
M.P. 1002.0 to M.P. 1003.2	50	50	Visalia M.P. 24.5 to 26.0	15	15
Curve M.P. 1047.4 to 1047.9	70	70	Reedley M.P. 48.2 to 49.5	20	20
Curve M.P. 1053.8 to 1055.7	70	70	Parlier M.P. 53.1 to 53.6	24	24
Merced M.P. 1055.7 to 1057.0	30	30	Del Rey M.P. 58.4 to 58.8	24	24
2 Curves M.P. 1069.1 to 1070.5	70	70	PORTERVILLE-OROSI DISTRICT		
Curve M.P. 1087.9 to 1088.1	50	50	Track M.P. 0.0 to 12.0	10	10
Oakdale Spur	20	20	Track M.P. 12.0 to Cutler	25	25
Escalon M.P. 1101.4 to 1102.0	60	60	Woodlake Spur	10	10
Curve M.P. 1119.1 to 1119.5	60	60	Exeter M.P. 39.1 to 39.6	20	20
Stockton M.P. 1120.0 to 1122.0	20	20	Lindsay M.P. 46.1 to 47.1	20	20
Track M.P. 1134.7 to 1136.4	30	30	Strathmore Spur	15	15
Curve M.P. 1139.5 to 1139.8	65	60	Sunland Spur	15	15
Antioch M.P. 1151.3 to 1152.3	45	45	2 Curves M.P. 61.5 to 62.1	30	30
			Between Porterville and Ducor	40	30
			Between Oil Junction and Landco	20	20

14. SWITCHES—MAXIMUM AUTHORIZED SPEED.

Maximum speed permitted through all yard and roundhouse turnouts and crossovers 10 MPH; all main track turnouts and crossovers 15 MPH except for spring and power controlled switches and crossovers at following locations:

- "I"—Interlocked Switch.
- "S"—Spring Switch.
- "ESL"—Electric Switch Lock.
- "EE"—East End.
- "WE"—West End.

Station	Type	Location	MPH
MOJAVE DISTRICT			
Hutt	I	EE siding	15
	I	WE siding	40
Hinkley	I	EE and WE siding	40
Hawes	I	EE and WE siding	40
Jimgrey	I	EE and WE siding	40
Boron	I	EE and WE siding	40
Silt	I	EE and WE siding	40
Edwards	I	EE and WE siding	40
Bissell	I	EE and WE siding	40
Sanborn	I	EE and WE siding	40
FIRST DISTRICT			
Bakersfield	I	WE two tracks 1000 feet west of M.P. 888	20
Jastro	I	EE siding	30
	I	WE siding and crossover	40
	I	Porterville-Orosi Jct. switch	30
Una	I	EE and WE siding	40
Shafter	I	EE and WE siding and crossover	40
Wasco	I	EE and WE siding	40
Elmo	I	EE and WE siding	40
Kernell	I	EE and WE siding	40
Allensworth	I	EE and WE siding	40
Stoil	ESL	EE and WE siding	30
Angiola	I	EE and WE siding	40
Blanco	ESL	Industry track switches	30
Corcoran	I	EE and WE east siding	40
	I	EE and WE west siding	40
Guernsey	I	EE and WE siding	40
Hanford	I	EE and WE east siding	40
	I	EE and WE west siding	30
Shirley	I	EE and WE siding	40
Laton	ESL	EE and WE siding (not signaled)	30
Conejo	I	EE and WE siding	40
Bowles	I	EE and WE siding	40
Calwa	I	End of two tracks	30
SECOND DISTRICT			
Fresno	I	End of two tracks	20
Figarden	I	EE and WE siding	40
Gregg	I	EE and WE siding	40
Madera	I	EE and WE siding	40
Kismet	I	EE and WE siding	40
Sharon	I	EE and WE siding and crossover	40
Legrand	I	EE and WE siding	40
Planada	I	EE and WE siding	40
Merced	I	EE siding	40
	I	WE siding	30
Fluhr	I	EE and WE siding	40
Ballico	I	EE and WE siding	40
Denair	I	EE and WE siding	40
Empire	I	EE and WE siding	40
Riverbank	I	EE and WE of lead	15
	I	EE and WE siding	40
Escalon	I	EE and WE siding	40
Duffy	I	EE and WE siding	40
Mormon	I	EE siding	40
	I	2 crossovers	30
Stockton	I	WE siding	30
Gillis	S	EE and WE siding	30
Holt	S	EE and WE siding	30
Trull	S	EE and WE siding	30
Orwood	I	EE siding	15
	S	WE siding	30
Bixler	S	EE and WE siding	30
Knightesen	S	EE and WE siding	30
Sando	S	EE siding	30
Antioch	S	WE siding	30
Pittsburg	S	EE siding	15
	S	WE siding	30
Brose	S	EE and WE siding	30
Port Chicago	S	EE and WE siding	30
Maltby	S	EE and WE siding	30
Glen Frazer	S	EE and WE siding	30
Christie	S	EE and WE siding	30
Collier	S	EE and WE siding	30
Gateley	S	EE and WE siding	30
Rheem	S	EE and WE siding	30
PORTERVILLE-OROSI DISTRICT			
Landco	S	Stem of wye	10
	S	EE siding	15

SPECIAL RULES

VALLEY AND SAN FRANCISCO TERMINAL DIVISIONS 9

Rule 817: Equipment listed below must not be moved through water above top of rail greater than the depths and not in excess of the speeds shown:

MAXIMUM DEPTH OF WATER THROUGH WHICH EQUIPMENT MAY BE OPERATED AND MAXIMUM SPEEDS IN SUCH OPERATION

Types of Equipment	Maximum Depth Above Top of Rail (Inches)	Maximum Speed in Tow (MPH)	Maximum Speed Under Own Power (MPH)
Diesel Engines:			
11-15, 80-87, 600-611, 800-849, 1600-1615, 2099-2162	3	5	5
51-78, 650-653, 2310-2321, 3000-3019, 460-468	4	5	5
16-48, 99, 100-344, 407-430, 500-564, 625-633, 700-751, 900-979, 1100-1174, 1200-1284, 1300-1460, 1500-1537, 2200-2299, 2303-2304, 2322-2399, 2403-2441, 2650-2893	4 1/2	5	5
Diesel-Electric Motor Cars	5	5	5
Passenger Cars:	3	5	5
Roller Bearings	8	5	0
Friction Bearings	12	5	0

MAXIMUM SPEED OF LOCOMOTIVES AND MOTOR CARS

Diesel Locomotives and Motor Cars	Forward	Light	Backing or When Controlled From Rear Unit	Dead In Train
	Miles Per Hour	Miles Per Hour	Miles Per Hour	Miles Per Hour
11-15, 80-87	100	80	45	90
16-78, 300-314	100	90	45	90
325-344 (Except as listed below)	80	80	45	80
325LAB, 326LAB, 328A, 329LAB, 330LAB, 331LAB, 332L, 333LAB, 334LAB, 335LAB, 337LAB	90	90	45	90
100-289, 407-430	70	70	45	70
600-611	70	70	*45	70
99, 700-751, 2099, 2100-2162, 2650-2893, 3000-3019	70	70	*45	70
460-468	35	35	35	20
500-564, 625-653, 1500-1537, 2200-2299, 2302-2304, 2310-2391, 2394-2399, 2403-2441	45	45	45	45
800-849, 900-979, 1100-1174, 1200-1284, 1300-1460, 1600-1615	75	75	*45	75
RDC 191, 192	85	85	50	85
M160	80	65	25	75
M190	80	65	25	75
Sacramento Northern Diesels				
301	50	50	45	50
301-A, 301-D, 701-732, 801-803, 913-924	65	65	45	60

*NOTE: Forward speed applies when backing handling train controlled from leading unit.

15. JUNCTION SWITCHES.

Normal position of junction switches is as follows:

- Corcoran for First District siding
- Laton for First District siding
- Cutler for Visalia District
- Reedley for Visalia District
- Wyeth for Porterville-Orosi District
- Minkler for Wahtoke District
- Hammond for Second District siding
- Cameo for Fresno Interurban District

LENGTH OF STEMS OF WYES

Location	Feet	Location	Feet
Barstow (M.P. 747.3)	2796	Stockton	1450
Boron	Mine Spur	Oakland (Old)	320
Edwards	Army Spur	Oakland (New)	1800
Landco	1300	DiGiorgio	500
Corcoran	Visalia District	Lanare	505
Laton	.337	Reedley	Wahtoke District
Calwa	Visalia District	Minkler	Porterville-Orosi District
Riverbank	2300	Wyeth	1.6 Miles
Mormon	2610	Porterville	1143

Other Stations or Tracks Not Shown on Face of Time Table

Location	Mile Posts	Car Capacity	Switch Connection
MOJAVE DISTRICT			
P. C. Borax Co Spur	784.7	7.4 miles	East
Government Spur	785.0	3.7 miles	East
Government Spur	797.1	6.5 miles	East & West
ARVIN DISTRICT			
Lonsmith	318.0	7	East & West
Harpertown	321.1	20	East & West
Patch	325.9	15	East
FIRST DISTRICT			
Rosedale	895.7	49	East & West
Crome	899.5	34	West
Ivy	909.8	10	East
Palmo	910.5	28	West
Neufeld	914.7	6	East
Pond	921.2	40	East
Stoil	936.0	89	East & West
Alpaugh Spur	936.0	4.8 miles	West
Blanco	945.9	68	East & West
Kings Park	963.6	23	East & West
Pitco	970.1	17	East
Lucerne Spur	971.8	0.8 mile	West
Monmouth	985.6	26	East & West
SECOND DISTRICT			
Trigo	1014.3	40	East & West
Tuttle	1050.7	54	East & West
Kadota	1052.1	75	East & West
Pritchard	1058.9	20	East
Winton	1065.4	18	East & West
Cortez	1074.6	15	East & West
Hughson	1085.8	38	East & West
Claus	1092.8	42	East & West
Oakdale Spur	1095.6	6.5 miles	East
Burnham	1112.5	34	East & West
Rockwell	1114.8	13	East & West
Woodsbro	1125.5	54	East & West
Werner	1138.8	23	East & West
Du Pont	1147.6	58	East & West
Bridgehead	1148.4	16	East & West
East Antioch	1149.2	127	East & West
Zee	1149.7	64	East & West
Nichols	1161.3	15	East
Monsanto	1165.8	44	East & West
Muir	1170.6	..	East
Herpoco	1180.4	..	West
San Pablo	1187.8	11	East & West
OAKLAND DISTRICT			
Malott	4.0	8	East & West
Fairmount Avenue	5.7	11	East
VISALIA DISTRICT			
Higby	22.1	12	East & West
Tokay	42.3	25	East & West
Enson	43.9	14	East
Mattei Spur	65.2	2.2 miles	West
PORTERVILLE-OROSI DISTRICT			
Wimp	22.2	5	East
Twin Buttes	25.3	9	West
Woodlake Spur	33.5	2.2 miles	West
Winco	32.4	15	East & West
West Venida	36.1	11	West
Matchin	37.3	10	East
List	40.6	20	West
Sierra Heights	48.5	13	East
Gillette	50.4	52	East
Strathmore Spur	52.0	1.2 miles	East
Euclid	54.3	22	West
Mosian	54.5	23	East
Lumer	60.9	6	East
Sunland Spur	61.4	1 mile	West
Magnolia	61.9	14	East
FRESNO INTERURBAN DISTRICT			
Hammer Field Spur	4.9	1 Mile	East

RAILROAD CROSSINGS AT GRADE AND INTERLOCKINGS

Location	Tracks Governed	Rules	Whistle Signals Additional to Rule 14 (Z)
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MOJAVE DISTRICT

Barstow West Tower	Main track and connecting crossovers.	Interlocking. Ten miles per hour.	To Mojave District — 0 Against current of traffic — 0 Engine lead 00 — 0 Switching tail 0000 Tracks 1 to 17 incl. 0 — 00 Tracks 18 to 30 incl. — 0 — 0 Crossover — 0 — 0 West main to S. P. West main 0 — — Main track to Sunset — 0 —
Kern Junction	Santa Fe two tracks connection to and from S. P. two tracks. Santa Fe main track to Sunset track.	Interlocking.	

FIRST DISTRICT

Hanford	S. P. Coalinga branch.	TCS.	
Calwa	0.8 East S. P. main track and entrance to yard.	TCS.	

SECOND DISTRICT

Calwa	1.6 West S. P. Porterville branch.	TCS.	Main line to Town lead — 0 — S. P. North transfer 00 — S. P. South transfer 000 — W. P. main track connection 0 — Town lead thru plant — 0
Fresno	0.4 East S. P. Friant branch.	TCS.	
Oakdale	S. P. Oakdale branch.	98 (A), 98 (B).	
Stockton Tower	W. P. and S. P. main tracks and transfer tracks.	Interlocking.	
Stockton	1.0 West Main track and siding.	Interlocking.	
Orwood	0.8 East Drawbridge and siding.	Interlocking.	
Pittsburg	0.9 East Lead to Columbia Steel over S. N.	98 (A), 98 (B) and Bulletin Instructions.	
Pittsburg	0.2 West Lead to Johns Manville over S. N.	98 (A), 98 (B), and Bulletin Instructions.	
Pittsburg	0.9 West Lead to P. G. & E. plant over S. N. main track.	Stop. Gate. Bulletin Instructions.	

OAKLAND DISTRICT

Berkeley	1.9 West S. P. Berkeley branch.	When home signal indicates STOP be governed by Rules 98 (A), 98 (B).	
Oakland	0.7 West AT&SF, S. P., O. T. Ry., single slip switch crossings.	Bulletin Instructions.	
Oakland	1.1 West S. P. West Oakland connection.	98 (A), 98 (B).	

PORTERVILLE-OROSI DISTRICT

Hillmaid	0.1 West Visalia Elec.	98 (A), 98 (B).	
Exeter	0.3 West Visalia Elec.	98 (A), 98 (B).	
Porterville	0.8 East S. P. Success branch.	98 (A), 98 (B).	

VISALIA DISTRICT

Tulare	S. P. main track.	Interlocking. Bulletin Instructions.	
Visalia	S. P. Visalia branch.	98 (A), 98 (B).	
Peral	1.5 West S. P. Porterville branch.	98 (A), 98 (B).	
Lac Jac	0.3 East S. P. Porterville branch.	98 (A), 98 (B).	

FRESNO INTERURBAN DISTRICT

Cameo	S. P. Friant branch.	98 (A), 98 (B).	
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**SURGEONS OF THE SANTA FE COAST LINES
HOSPITAL ASSOCIATION**

DR. LAWRENCE CHAFFIN, Chief Surgeon, Los Angeles, Calif.
 DR. R. J. FLAMSON, Assistant Chief Surgeon, Los Angeles, Calif.
 DR. A. L. KIEFER, Assistant Chief Surgeon, Los Angeles, Calif.

SAN FRANCISCO

DR. JOHN D. RELFE, Local Surgeon
 DR. THEODORE E. HAMES, Assistant Local Surgeon

OAKLAND

DR. S. R. TRUMAN, Local Surgeon
 DR. M. S. DONALDSON, Local Surgeon

RICHMOND

DR. LAWRENCE W. BROWN, Local Surgeon
 DR. DOUGLAS VOLLEN, Shop Physician
 DR. BERNARD S. HOLM, Assistant Local Surgeon

PITTSBURG

DR. C. L. KERNS, Local Surgeon
 DR. EDWIN E. BOYSEN, Assistant Local Surgeon

ANTIOCH

DR. HOWARD L. FRIESEN, Local Surgeon

STOCKTON

DR. W. T. McNEIL, Local Surgeon
 DR. JOHN McNALLY, Assistant Local Surgeon
 DR. HENRY F. QUINN, Assistant Local Surgeon

OAKDALE

DR. E. E. CHOURET, Local Surgeon
 DR. C. R. FULKERSON, Emergency Surgeon

MERCED

DR. E. M. SODERSTROM, Local Surgeon

MADERA

DR. GILBERT G. DAGGETT, Local Surgeon

FRESNO

DR. L. R. NIELSON, Division Surgeon
 DR. ROBERT H. KASS, Local Surgeon
 DR. F. R. FREETO, Assistant Local Surgeon

HANFORD

DR. W. F. CHAMLEE, Local Surgeon

CORCORAN

DR. HAROLD JACOBS, Local Surgeon
 DR. JAMES A. SMITH, Assistant Local Surgeon

WASCO

DR. WILLIAM A. HAGEN, Local Surgeon

SHAFTER

DR. HENRY W. VOTH, Local Surgeon

BAKERSFIELD

DR. JOE SMITH, Division Surgeon
 DR. WAYLAND P. MATT, Local Surgeon
 DR. WARREN E. SIMON, Assistant Local Surgeon

TULARE

DR. C. M. MATHIAS, Local Surgeon
 DR. C. EUGENE MATHIAS, Assistant Local Surgeon

VISALIA

DR. ROBERT ROHN, Local Surgeon (Emergency)

CUTLER

DR. THOMAS E. WILEMAN, Local Surgeon

REEDLEY

DR. M. S. GAEDE, Local Surgeon

LINDSAY

DR. HORACE G. CAMPBELL, Local Surgeon

PORTERVILLE

DR. F. L. WIENS, Local Surgeon
 DR. R. D. KARSTAEDT, Assistant Local Surgeon

TAFT

DR. ROBERT A. PATRICK, Local Surgeon
 DR. L. N. TARR, Assistant Local Surgeon

BORON

DR. WILLIAM A. CHASE, Local Surgeon

BARSTOW

DR. ANTHONY SAMORAJSKI, Local Surgeon
 DR. M. F. FINK, Consulting Surgeon

**CONDITIONAL STOPS SHOWN WILL BE MADE
ONLY FOR REVENUE PASSENGERS**

The term "beyond" refers to regular, flag or conditional stops authorized herein.

Train	Stops at Stations	To Receive Passengers For	To Discharge Passengers From
1	Grants	North of Barstow	Clovis and beyond
	Edwards		Belen and beyond
	Riverbank	Stockton and beyond	Bakersfield and beyond
2	Pinole, Riverbank, Edwards	Belen and beyond	
	Holbrook	Clovis and beyond	
7	Grants	Clovis and beyond	North of Barstow
	Boron	Edwards and beyond	Barstow and beyond
	Edwards	Mojave and beyond	Boron and beyond
	Shafter	Wasco and beyond	Bakersfield and beyond
8	Wasco	Corcoran and beyond	Shafter and beyond
	Corcoran	Hanford and beyond	Wasco and beyond
	Wasco, Shafter		Fresno and beyond
17	Corcoran	Bakersfield and beyond	Fresno and beyond
	Flagstaff	San Bernardino and beyond	Albuquerque and beyond
18	Kingman	San Bernardino and beyond	Newton and beyond
	Kingman	Newton and beyond	San Bernardino and beyond
19	Flagstaff	Albuquerque and beyond	San Bernardino and beyond
	Grants	South of Barstow	La Junta and beyond
20	Victorville		Albuquerque and beyond
	Victorville	Albuquerque and beyond	
23	Grants	La Junta and beyond	South of Barstow
	Laguna		Albuquerque and beyond
24	Pico Rivera		Williams Jct. and beyond
	Pico Rivera	Williams Jct. and beyond	
73, 75, 77	Pico Rivera		Oceanside and beyond
73	San Juan Capistrano	Los Angeles	
73	Orange	Los Angeles	Oceanside and beyond
74	Orange, San Juan Capistrano and Encinitas		San Bernardino and beyond
77	Orange	Los Angeles	
76	San Clemente		Los Angeles
75, 77	Encinitas	Los Angeles	
74, 76, 78	Pico Rivera	Oceanside and beyond	
76, 78	San Juan Capistrano		Los Angeles
76	Encinitas		Los Angeles

A. J. STROBEL, General Watch Inspector Topeka | R. W. WELLS, Asst. General Watch Inspector San Bernardino

LOCAL TIME INSPECTORS

E. F. MANNERS 219 E. Main St., Barstow
 BILL C. HOLMES 219 E. Main St., Barstow
 ARLIE KNIGHT 1663 Chester Ave., Bakersfield
 J. N. CHENEY 1600 20th St., Bakersfield
 GEO. E. CRAIN 4221-B E. Shields Ave., Fresno
 CHARLIE R. LEWIS 933 Fulton Mall, Fresno
 W. A. SWANSON 4427 E. Jensen Ave., Calwa

J. H. BOGUE 1714 "L" St., Merced
 HELEN WILSON SHOEMAKE 1323 Jay St., Modesto
 WALTER K. BANKS JR. 111 North San Joaquin St., Stockton
 EUGENE MAYER 516 - 2nd St., Antioch
 W. R. STRIBLEY 1013 MacDonald Ave., Richmond
 ED S. BRILLON 3876 San Pablo Ave., Oakland
 EDWARD F. WILLIAMS 608 Sutter St., San Francisco

SPEED TABLE—FOR INFORMATION ONLY

Time Per Mile		Miles Per Hour		Time Per Mile		Miles Per Hour		
Min.	Sec.			Min.	Sec.			
..	36	100	..	58	62.1	1	40	36.0
..	37	97.3	..	59	61.0	1	42	35.3
..	38	94.7	1	..	60.0	1	44	34.6
..	39	92.3	1	02	58.0	1	46	34.0
..	40	90.0	1	04	56.2	1	48	33.3
..	41	87.8	1	06	54.5	1	50	32.7
..	42	85.7	1	08	52.9	1	52	32.1
..	43	83.7	1	10	51.4	1	54	31.6
..	44	81.8	1	12	50.0	1	56	31.0
..	45	80.0	1	14	48.6	1	58	30.5
..	46	78.3	1	16	47.4	2	..	30.0
..	47	76.6	1	18	46.1	2	05	28.8
..	48	75.0	1	20	45.0	2	10	27.7
..	49	73.5	1	22	43.9	2	15	26.7
..	50	72.0	1	24	42.9	2	30	24.0
..	51	70.6	1	26	41.9	2	45	21.8
..	52	69.2	1	28	40.9	3	..	20.0
..	53	67.9	1	30	40.0	3	30	17.1
..	54	66.6	1	32	39.1	4	..	15.0
..	55	65.5	1	34	38.3	5	..	12.0
..	56	64.2	1	36	37.5	6	..	10.0
..	57	63.2	1	38	36.8	12	..	5.0

AVOID DAMAGE—SWITCH CUSTOMERS' CARS CAREFULLY

OVERSPEED Couplings are DAMAGING—Here's what happens:

Safe—Danger—

4 miles per hour	<input type="checkbox"/>	SAFE COUPLING SPEED
5 miles per hour	<input type="checkbox"/>	Damage Begins
6 miles per hour	<input type="checkbox"/>	2¼ times as damaging as 4 MP
7 miles per hour	<input type="checkbox"/>	3 times as damaging as 4 MP
8 miles per hour	<input type="checkbox"/>	4 times as damaging as 4 MP
9 miles per hour	<input type="checkbox"/>	5 times as damaging as 4 MP
10 miles per hour	<input type="checkbox"/>	6 times as damaging as 4 MP

Damage to freight or car can be avoided by always keeping coupling speed within the safe range—NOT OVER 4 MILES PER HOUR—A BRISK WALK.

Handle freight carefully and keep our customers.

IT'S EVERYBODY'S JOB ON THE SANTA FE!

