## San Diego & Arizona Eastern

# 

To Take Effect Sunday, May 7, 1

Pacific Standard Time (120th Me

FOR THE GOVERNMENT AND INFORMATION

F. L. ANNABLE,

General Manager.

## zona Eastern Railway Company

# EIAB

inday, May 7, 1939, at 12:01 A.M.

c Standard Time (120th Meridian)

ENT AND INFORMATION OF EMPLOYES ONLY.

J. R. LOWE,

Superintendent.

#### SAN DIEGO-LAKESIDE SUBDIVISION

EASTWARD						WESTWARD
Siding Capacity in Car Lengths	Station Numbers	Elevation	Distance from San Diego	Time Table No. 74  May 7, 1939  STATIONS	Distance from Santee	
Yard			1.1	TOR EIGHTH STREET	18.9	V - 6
13	L 5		4.7	CHOLLAS	15.3	
12	L7A	317	7.2	ENCANTO	12.8	
5	L 10	410	10.4	LEMON GROVE	9.6	
25	L 13	539	12.3	To LA MESA	7.7	
9	L 15	741	15.3	GROSSMONT	4.7	
19	L 17	460	16.8	To EL CAJON	3.2	
25	L 20	385	20.0	SANTEE	0.0	
				19.3		

Service by extra trains only.

Reproduced and donated by Ken Harrison for the SPH&TS 2005 San Diego, CA Convention

#### CHULA VISTA-CORONADO SUBDIVISION

WARD

EASTWARD						WESTWARD
Siding Capacity in Car Lengths		Station Numbers	Distance from San Diego	Time Table No. 74  May 7, 1939	Distance from Third Street (Chula Vista)	
			25.0	STATIONS		
	29	3	4.8	TWELFTH ST. (Nat'l City)	4.8	
		C1	5.7	24th STREET (Nat'l City)	3.9	
27	- 80.2	C 2	7.1	POTASH	2.5	
		C 2A	7.4	F STREET JCT.	2.2	
		7	7.6	CHULA VISTA JCT. (Crossing El Centro Line	2.0	
		C 4	8.7	CHULA VISTA	1.1	
		C 5	9.8	K STREET (Chula Vista)	0.0	
7.81				(9.8)		

Service by extra trains only.

Trains operating between 12th Street, National City and K Street, Chula Vista will move under yard rules.

#### CHULA VISTA-CORONADO SUBDIVISION

EASTWAR	D				WESTWARD	
Siding Capacity in Car Lengths	Station Numbers	Distance from San Diego	Time Table No. 74  May 7,1939	Distance from North Island		
			STATIONS			
4 OH11 - 1	C 2A	7.4	F STREET JCT.	15.3		
11	C 3	7.5	MARMAROSA	15.2		
13	C 4A	9.9	SALT WORKS	12.8		
13	C 8	13.4	CORONADO HEIGHTS	9.3		
11	C13	18.7	TENT CITY	4.0		
	C15	20.7	CORONADO (Ferry Landing)	2.0		
Yard	C17	22.7	NORTH ISLAND	0.0		
			(15.3)			

Service by extra trains only.

#### SAN DIEGO-EL CENTRO SUBDIVISION

EASTWARD			E			8		WESTWAR		11			
			SECOND CLASS	FIRST	CLASS	on bers	biego	Time Table No. 74	nce fror	tion	FIRST	CLASS	SEC
Capacity	i uci, nater,	1m	52 sperial Valley Mixed	Tau	4 Golden State	Station Numbers	Distar San D	May 7, 1939	Distance fr El Centro	Elevation	3 Golden State	.00	5 Imperia Mi
in Car Lengths	Turning and Telephone Station	U U552	Leave Daily scept Sunday		Leave Daily		Miles	STATIONS	Miles	Feet	Arrive Daily		Arrive Except
		Figures sho wr	Between	San Diego	and Market	Street	are for	Information Only. Be Governed by	Curre	nt Ti	me Tables	A. T. & S. F.	Ry.
					6.45PM		0.0	R SAM DIEGO	148.1		9.20PM		
					6.47		0.4	MARKET STREET	147.7		9.18		
					6.47	00	0.4	MARKET STREET	147.7		9.18		
						0	0.7	FIRST STREET	147.4			1500	
W .		3	0.200		6.49	1	1.1	To-R EIGHTH STREET KN	147.0	10	9.15	0 - 1	4
Yard	KBPOWY		9.30PM		6.57	3	4.8	TWELFTH STREET	143.5		9.07		4
	P		9.40	11.1	f 7.02	7	7.4	CHULA VISTA JCT. (GROSSING C. V. LINE)	140.7		f 9.01		f 4
14	P		9.50		7.04	8	9.1	BOAL	139.0		8.58		4
55	P		9.55		1.04	9	10.1	OTAY GRAVEL PIT (Spur)	138.0		0.50		1
20	P		9.59		7.07	10	11,1	PALM CITY	137.0	35	8.55		f 3
99	KP		10.09		s 7.14	14	15.5	To-R SAN YSIDRO AU	132.6	100	s 8.47		8 3
110	PY	-	10.09		s 7.18	15	16.2	R TIJUANA	131.9	100	\$ 8.42		s 3
30			10.24		7.23	18	18.5	AGUA CALIENTE	129.6		8.36		
47	P		10.39		f 7.32	23	24.0	S.S.	124.1	210	f 8.25		f 3
33			10.49		f 7.39	26	27.5	MATANUCA	120.6	350	f 8.17		f 2
46	PWY		11.17		f 8.01	35	36.6	REDONDO	111.5	765	f 8.01		1 2
41	P		11.44		8.15	44	44.9	RITA	103.2	1315	7.45		2
42	P		11.55		8.22	47	48.4	LA PUERTA	99.7	1590	7.38		1
31	PW		12.14M		s 8.33	52	52.8	TO-R TECATE CA	95.3	1690	• 7.31		8 1
22			12.37		f 8.46	58	59.6	LINDERO	88.5	2120	1 7.17		f 1
16	P					59	60.3	DIVISION	87.8	2190		production to describe	
67	PO	f	1.04		f 9.00	65	65.8	To CAMPO KA	82.3	2590	f 7.06		f 1
33	PW		1.24		9.12	72	71.9	CLOVER FLAT	76.2	2925	6.55		12
33	P		1.44		9.25	78	78.4	PUEBLO	69.7	3425	6.43		12
45	PY	8	2.05		f 9.36	84	84.5	HIPASS	63.6	3660	f 6.33		s 11
10	PW	· s	2.35		s 9.54	93	92.9	To JACUMBA JO	55.2	2830	s 6.09		s 11
37	PO		2.38		9.56	94	94.0	TITUS	54.2	2757	6.04		10
19	P	f	3.05		f 10.18	100	100.7	CARRISO GORGE	47.4	2380	f 5.42		f 10
	Р				10.24	102	102.3	TUNNEL 15 SPUR	45.8		5.35		
72	PW	f	3.40		f 10.47	109	109.7	DOS CABEZAS	38.4	1670	f 5.11		f 9
36	P	- 11	4.15	Just 15	11.01	117	117.7	SUGAR LOAF	30.4	790	4.49		8
85	PWOY	s	4.38		s 11.12	122	122.5	COYOTE WELLS	25.6	290	f 4.36		s 8
62	P	f	5.02		f 11.23	130	130.0	PLASTER CITY NA	18.1	40	f 4.25		f 7
73	P	f	5.08		11.26	131	131.7	MAREA 2.7	16.4	27	4.22		7
73		f	5.16		f 11.30	134	134.4	DIXIELAND 5.4	13.7	-10	f 4.18		f 7
97	Р	f	5.28		f 11.37	139	139.8	SEELEY SY	8.3	-44	f 4.11		s 7
34	Р		5.38		11.40	141	141.6	ASPÄRA 3.5	6.5	-46	4.08		7
15			5.45		11.46	145	145.1	WILSIE 3.0	3.0	<b>⊸</b> 47	4.02		7
Yard	KBPWY	8	5.53AM		s 11.53PM	148	148.1	To-R EL CENTRO CR	0.0	-49	3.55%		7
18 4	Val In 1	10.00	Arrive Daily ccept Monday		Arrive Daily			(148.1)			Leave Daily	1200	Leave Except

WESTWARD TRAINS ARE SUPERIOR TO TRAINS OF THE SAME CLASS IN THE OPPOSITE DIRECTION:

(5.08)

28.85

No. 52 stops on signal at Mills Crossing.

No. 4 stops on signal at Dubbers Spur.

Nos. 3 and 51 stop on signal at Mills Crossing.

No. 3 stops at Palm City to detrain passengers.

(8.23)

17.53

Time Over Subdivision .

. Average Speed per Hour .

(5.25)

Track No. 1 classification yard is siding for Eighth St.
First crossover switch West of San Ysidro station is initial switch
for Westward trains.
Second crossover switch West of San Ysidro station is initial switch
for Eastward trains.

			WE	STWARD				
No. 74	Distance from El Centro	ion	75.00	CLASS	SECOND CLASS			
39	Distar El Cer	Elevation	3 Golden State		51 Imperial Valle Mixed			
NS	Miles	Feet	Arrive Daily		Arrive Daily Except Sunday			
e Governed by	Curre	nt Ti	me Tables	A. T. & S. F	Ry.			
10	148.1	-	9.20PM					
REET	147.7	107	9.18	- I	15.1			
REET	147.7		9.18					
EET	147.4			Tulepl	1			
	147		0.45		4.00			
REET KN	147.0	10	9.15		4.30			
REET	143.5		9.07		4.17			
ROSSING C. V. LINE)	140.7		f 9.01		f 4.08			
DIT "	139.0		8.58		4.03			
L PIT (Spur)	138.0	35	0.55		6 2 55			
	137.0	100	8.55		f 3.57			
RO AU	132.6		s 8.47		8 3.45			
	131.9	100	s 8.42		\$ 3.35			
NTE	129,6		8.36		-			
	124.1	210	f 8.25		f 3.11			
A	120.6	350	f 8.17		f 2.59			
D	111.5	765	f 8.01		f 2.32			
	103.2	1315	7.45		2.07			
A	99.7	1590	7.38		1.56			
CA	95.3	1690	• 7.31		• 1.43			
	88.5	2120	f 7.17		f 1.23			
	87.8	2190						
KA	82.3	2590	f 7.06		f 1.04			
AT	76.2	2925	6.55		12.25			
	69.7	3425	6.43		12.054			
	63.6	3660	f 6.33		s 11.50			
) Jo	55.2	2830	s 6.09		s 11.00			
	54.2	2757	6.04		10.49			
RGE	47.4	2380	f 5.42		f 10.18			
PUR	45.8		5.35					
AS	38.4	1670	f 5.11		f 9.32			
AF	30.4	790	4.49		8.55			
LLS	25.6	290	f 4.36		s 8.33			
TY NA	18.1	40	f 4.25		f 7.55			
	16.4	27	4.22		7.50			
D	13.7	-10	f 4.18		f 7.44			
SY	8.3	-44	f 4.11		s 7.32			
	6.5	-46	4.08		7.26			
	3.0	-47	4.02		7.19			
O CR	0.0	-49	3.55PM		7.10PM			
			Leave Daily		Leave Daily Except Saturday			
ivision r Hour			(5.25) 27.33		(9.20) 15.86			
THE OPPOSITE D ification yard witch West of d trains.	is sidin	g for E	ighth St.	al switch				

trains.

### Special Instructions

## THE FOLLOWING APPLICATIONS AND ADDITIONS ARE MADE TO THE BOOK OF RULES:

#### STANDARD CLOCKS

 Telegraph office and Engine house San Diego, San Ysidro and El Centro.

#### WATCH INSPECTORS

Stanley A. Pope, Manager of Time Service, San Francisco.
 Leo. M. Schiller, local watch inspector, 1025 Fifth Avenue, San Diego.
 R. E. Couch, local watch inspector, El Centro.

O. F. Haun, local watch inspector, Calexico.

#### CLEARANCE CARDS

All trains get clearance cards as follows:
 All at San Ysidro and Tecate.

All Eastward at 8th Street.

#### REGISTER EXCEPTIONS

- First class trains register by registering ticket (Form 2642) at 8th Street. Trains originating and terminating at Agua Caliente only will register there.
- 5. Extra trains will register at San Ysidro.

#### GRADE CROSSINGS

- Conductors and Brakemen, flagging crossings, will cross the tracks before signalling enginemen to proceed, and if more than one track to be crossed will remain in advance of their train until last track is reached.
- Trains on San Diego-El Centro Subdivision will approach railroad crossing at F Street, Chula Vista, expecting to find the Main Line blocked and will pass over this crossing not to exceed 15 miles per hour.
- 8. At following grade crossings, trains will stop not nearer than 50 feet nor farther than 500 feet from the crossing and will proceed only on signal from flagman:

Crossing at Chula Vista Jct. except San Diego-El Centro subdivision trains which are governed by paragraph 7, Special instructions in Time Table.

San Diego Electric Railway crossing at First and Orange Street, Coronado.

San Diego Electric Railway crossing at 16th Street, San Diego.

Transfer track of San Diego Electric Railway Company, with tracks of that Company on Broadway, San Diego.

- Trains going into Otay Gravel Pit will stop at West line of Main Ave., and not cross except when preceded by flagman with Red flag or light.
- 10. Trains leaving Otay Gravel Pit must be preceded by flagman over Main Ave., but will not be required to stop. At Second Ave. and at sidewalk on Third Ave., near G Street, Chula Vista, stop and be preceded by flagman.
- Freight trains will stop and pass over crossings at Lookout Ave., La Mesa, and Magnolia Ave., Santee, only when preceded by flagman.
- Trains using San Diego Electric Railway Company Transfer will stop before crossing tracks of that Company on F Street, San Diego.
- 13. Trains approaching Mount Hope cemetery west of bridge 6 will use care to avoid meeting funeral parties where road crosses track. If any should be encountered there, hold train back and allow party to cross ahead of train.

## MAXIMUM SPEED OF TRAINS, EXCEPT AS OTHERWISE NOTED, IN MILES PER HOUR AS FOLLOWS:

	M.P	.н.
14.	Passenger trains	50
	Freight trains	35
	Mixed trains	20
	Light engines	30
	Engines 101 to 106 inclusive	33
	Engines 101 to 106, inclusive	35
	Engines backing, coupled in train or light, main line	25
	Same on branch lines	20
	Trains handling locomotive crane	20
	Trains handling dead or disabled engines with all rods on or with	
	main or side rods removed	30
	Same with main and side rods removed	20
	All trains through sidings, main line	12
	Came through sidings, head line	12
	Same through sidings, branch lines.	10
	Trains handling large loaded tank cars on branch lines on tangent	
	track	
	Trains handling large loaded tank cars on branch lines on curves	15

OT	HEF	R MA	XI					ILES P		OUR AS		
15	ΑТ	тт	DA.	_		001					1	M.P.H.
15.	Bridge 98 C and Tunnel 8, on curves.       10         Tunnel No. 5 at Mile Post 96.6 and Culvert 106-B.       15         Market St. and Schley St.       20         Over road crossings at 13th and 18th Sts., National City.       20											
	PA	SSE	NG	ER	TRAIN	S D	ESCEN	DING	between	followin	g points	s:
	Tec	ate	and	Mil	e Post	83						35
	FR	EIG ing			KIM CI	ED	TRAI	NS DE	SCENI	OING bet	ween fo	ollow-
	Cul	vert	106 o aı	B a	ind Coy Kilomete	ote V r 54	Wells					20
					SAN DIE	EGO-1	LAKESI	DE SUB	DIVISI	ON		
16.		N D				IDE	SUBI	OIVISIO	N		1	м.р.н.
	Aci Ov Bet	ross er E wee	lect lect a 8t	St. ric I h St	and Na Ry. cros reet and e Bridge	tiona sings l 32n e in	l Ave at 16t d Stree Chollas	h St. an	d 25th	on Comm	ercial S	10 st 10 15
			I UL	iiu s	t., San I	2-08-						
			1 52					NADO SU				20
17.	AL	LI		CH	ULA V							м.р.н.
17.	On Bet	F S	RA	INS t an St.	tula Vi d on 3rd Jct. and	Ave	coror e., Chui Mile	NADO SU la Vista. East of S orks and	JBDIVI			M.P.H. 10 25 10
17.	On Bet	F S	RA	INS t an St.	d on 3rd Jct. and Jile East City and	Ave One t of S	e., Chu Mile : Salt Worth Isl	NADO SU la Vista. East of S orks and	JBDIVI Salt Wo Tent C	sion orks		M.P.H. 10 25 10
18.	On Bet	F S	rRA tree n F n O:	INS t an St.	d on 3rd Jct. and lile East City and	I Ave	e., Chui Mile i Salt Worth Isl	la Vista. East of Sorks and and LE—MI	Salt Wo	sion orks	1 M	M.P.H. 10 25 10 15
18. Sp	On Bet Bet	F S	TRA	INS t an St. ne M	d on 3rd Jct. and file East City and SP	I Ave	e., Chu Mile I Salt Wo orth Isl	la Vista. East of Sorks and and	Salt We Tent C	sion	1 M	M.P.H. 10 25 10 15
18. Sp	On Bet Bet Bet our.	F S	TRA tree n F n O: n T	INS t and St. ne Ment	d on 3rd Jct. and Jct. and Jct. and SP Speece Per Hour	Ave One tof S	e., Chu. Mile : Mile : Salt Worth Isl TAB Mile in in. Sec.	la Vista. East of Sorks and and  LE—MI Speed per Hour.	Salt Work Tent C	e Speed per Hour.	1 Mi ir Min. 8	M.P.H. 10 25 10 15
18. Sp p Ho	On Bet Bet Bet oed er our. 6	F S	TRA tree	INS t an St. ne M ent	d on 3rd Jct. and Jct. and file East City and SP Speed per Hour 21 22 23	I Ave One t of S d No EEI	e., Chu. Mile Salt Worth Isl TAB Mile in in. Sec. 51 43	la Vista. East of Sorks and and  Speed per Hour. 31 32 33	Salt Wo Tent C	e Speed per Hour.	1 Mi ir Min. 8	M.P.H 10 25 10 15
18. Sp Ho	On Bet Bet Bet oed er our. 6 8	F S	TRA tree	CHINS INS St. ane In S	d on 3rd Jct. and file East City and SP Speed Hour 21 22 23 24 25	Ave One of S d No	e., Chui Mile is Salt Worth Isl TAB Mile in. Sec. 51 43 36 30 24	la Vista. East of Sorks and and  LE—MI Speed per Hour. 31 32 33 34 35	Salt Work Tent C	e Speed per ec. Hour. 6 41 42 42 9 43 5 44 5 45	1 Mi ir Min. 8 1 1 1 1	M.P.H 10 25 10 15
18. Sp. po Ho	On Bet Bet Bet ocd ar our. 6 8 0 12 15 16	F S	TRA tree	INS t an St. ne N ent	SPECTOR OF THE PROPERTY OF THE	Ave One of S d No	e., Chu: Mile : Salt Worth Isl  TAB  Mile in in. Sec. 51 43 36 36 30 24 18	la Vista. East of Sorks and and  LE—MI Speed per Hour. 31 32 33 34 35 36 37	Salt Work Tent C	e Speed per ec. Hour. 6 41 42 9 43 5 44 2 45 0 46 7 47	1 Min. 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	M.P.H 10 25 15 15 15
18. Sp He	On Bet Bet Bet our. 6 8 0 12 2 2 3 6 7 7	F S	TRA  tree n F n O n T  Min 10 7 6 5 4 3 3 3 3 3	CHINS t and St. ne Mile nn . Sec. 30	d on 3rd Jct. and file East City and SP Speed Per Hour 21 22 23 24 25 26 27 28 29	I Ave One of S d No	e., Chu. E. Mile is alt W. Th Isl  TAB  Mile in in. Sec.  51  43  36  24  18	la Vista. East of Sorks and and  LE—MI Speed per Hour. 31 32 33 34 35 36 37 38	Salt Wo Tent C Tent C 1 Miln 8 1 5 1 4 1 4 1 4 1 4 1 3 1 3	e Speed per Hour. 6 41 2 42 9 43 5 44 60 7 47 4 7 4 3 4 9	1 Min. 8 1 1 1 1 1 1 1 1 1 1 1	M.P.H 10
18. Sp He	On Bet Bet Bet oed er our. 6 8 0 12 8 17	F S	TRA tree	CHINS t and St. ne Mile n . Sec. 30	SPECTON SPECTO	I Ave One tof St No.	e., Chu: Mile : Salt Worth Isl TAB Mile in in. Sec. 51 43 36 36 30 24 18	la Vista. East of Sorks and and  Speed per Hour. 31 32 33 34 35 36 37 38	Salt Wo Tent C 1 Miin Min. S. 1 5 1 4 1 4 1 4 1 3 1 3 1 3	e Speed per ec. Hour. 6 41 2 42 9 43 5 44 2 67 47 47 48 3 49 0 50	1 Min. 8 1 1 1 1 1 1 1 1 1	M.P.H 10 25 10 15 15 15 15 15 15 15 15 16 27 28 21 20 18 16
18. Spp PHo	On Bet Bet Bet 8 8 0 0 2 2 5 6 6 7 8 8 9 9 00	F S	TRA tree n F n O n T i I i I i I i I i I i I i I i I i I i I	CHINS t am St. ne Mile m. Sec. 30	SPEEI	ISTA One One t of S d No EEI  I M 2 2 2 2 2 2 2 1 1 Kill	e., Chui e., Chui e. Mile is alt Worth Isl O TAB Mile in sec. 51 43 36 36 30 24 18 18 18	la Vista. East of Sorks and and  LE—MI  Speed per Hour. 31 32 33 34 35 36 37 38 39 40  KILOI Speed	Salt Work Tent C  LES  1 Min. S. 1 5 1 4 1 4 1 4 1 3 1 3 1 3 1 3 1 Kilom	e Speed per ec. Hour. 6 41 42 9 43 5 44 60 7 47 4 48 3 49 0 50 CS	1 M. ir Min. 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	M.P.H 10
18. Spp Ho	On Bet	I T S S S S S S S S S S S S S S S S S S	tree n F n Oin To Min 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CHINS t am St. ne M ent Mile n . Sec	d on 3rd Jct. and Jct. and Jct. and Jct. and Ict. and Ict	ISTA  Average of the control of the	e., Chu.  Mile Salt Wcrth Isl  TAB  Mile in in. Sec. 51 43 30 24 18 8 4 ABLE- ometer in. Sec.	la Vista. East of Sorks and and  LE—MI Speed per Hour. 31 32 33 34 35 36 37 38 39 40  —KILOI Speed Miles per Hour	Salt Wo Tent C Tent C 1 Min. So 1 5 1 5 1 4 1 4 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3	e Speed per ec. Hour. 6 41 42 42 9 43 55 44 42 67 47 47 48 3 49 0 50 CS	1 M ir Min. 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	M.P.H 10
18. Sp Profile 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	On Bet	I Kil	treeen Fin Oin To Min 10 7 6 5 4 4 3 3 3 3 3 3 3 3 3 3 3 3 3 4 0	CHINS t am St. ne M ent Mile n . Sec	SPEEI  Speed Miles per Hour 21 22 23 24 25 26 27 27 28 29 30	ISTA  Aveous in	e., Chu. Mile : Mile : Salt Wc rth Isl  TAB Mile in. Sec. 51 43 36 30 24 13 8 4  ABLE- cometer in. Sec. 46 41	la Vista. East of Sorks and and  Speed per Hour. 31 32 33 34 35 37 38 39 40  KILOI  Speed Miles per Hour 31 32	Salt Wo Tent C Tent C I Min in Min. So 1 4 4 1 4 4 1 3 1 3 1 3 1 3 1 3 1 3 1 3	e Speed per Hour.  6 41 2 42 9 43 5 44 2 45 0 46 7 47 4 48 3 99 0 50  RS eter Speed Miles Hol	1 M ir Min. 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	M.P.H 10
18. Sp. P. Ho	On Bet Bet Bet Seed Seed Seed Seed Seed Seed Seed Se	I T S T Week tweek	TRA treeen Fin Oi  I II  Minn 10 7 6 5 4 3 3 3 3 3 4 4 4 6 6	CHINS t am St. ne M ent Mile n . Sec. 30 45 31 20 9	SPEEI Speed Miles per Hour 21 22 23 24 25 26 27 28 29 29 29 21 22 23 24 24 25 26 27 28 29 29 20 21 22 23 24 24 25 26 27 28 29 29 20 20 21 22 23 24 24 25 26 27 28 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	ISTA  One One t of S d No  EEI  M  EEI  K  K  M  M  M  M  I  I  I  I	e., Chu: Mile : Salt Worth Isl  TAB  Mile in in. Sec. 51 43 36 30 24 18 18 18 18 18 4 ABLE-  ometer in . Sec. 46 41 37 33	la Vista. East of Sorks and and  LE—MI  Speed per Hour. 31 32 33 34 35 36 37 38 39 40  KILOI  Speed Miles per Hour 31 32 33 34 35 36 37 38 39 40	Salt Wo Tent C  LES  1 Min S  1 5  1 4  1 4  1 4  1 3  1 3  1 3  1 3  1 3	e Speed per cc. Hour. 6 41 42 42 45 0 46 7 47 48 3 49 0 50 CS eter Speed Miles etc. 41 42 43 43 44 44 44 44 44 44 44 44 44 44 44	1 Mm ir Min. 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	M.P.H 10 25
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- 20. Rule S-72. WESTWARD TRAINS ARE SUPERIOR TO TRAINS OF THE SAME CLASS IN THE OPPOSITE DIRECTION.
- 21. RULE 93. Yard limits are defined by yard limit signs at the following

EIGHTH STREET TIJUANA

SAN YSIDRO EL CENTRO

#### MISCELLANEOUS

22. Rule 10 (H) is changed to read: "Yellow signal must be placed onequarter mile from structure," instead of one-half mile. Green signal referred to in rule will not be used.

Rule 10 (J) is changed to read: "Slow boards will be placed one-quarter mile from structure or track," instead of one-half mile.

 Rule 869. All brakemen, except rear brakeman, will ride freight and mixed trains as follows:

EASTWARD

WESTWARD,
ON TRAINS
OF 25 OR
MORE CARS

Hipass to Jacumba
Culvert 106-B to Coyote Wells.

Mile Post 83 to Tecate.
Kilometer 54 to Redondo.

Rear brakemen on freight and mixed trains between Garcia nuca and on descending grades between Redondo and Coyote observe track from rear of caboose or coach so that train may in event of derailment. Lights are provided on coaches and Di on cabooses to assist in observing the track.

- Trains will display head lights and marker lights through tu to No. 20, inclusive.
- Engine flues must be sanded Eastbound approaching Hij bound when approaching Culvert 106-B.
- Engine flues must not be sanded while passing places wh from fire might result.
- 27. Cars must not be cut off train on grades depending on hand of to hold them, but must be placed with the Engine.
- 28. Engine bell must be rung continuously between the followin Main Line: San Diego and Kilometer 7, Garcia and east end of Mile Posts 96 and 106, Dixieland and El Centro. Lakeside Line: 8th Street and Mount Hope Cemetery.
- 29. When a train parts while in motion due to uncoupling by knuckle slipping or opening or similar causes, Conductor sonally make inspections and ascertain, if possible, the a and take necessary steps to prevent a recurrence.
- When cars are left on grades not protected with derailers the chained to the rail.
- When making up through freight trains, empty and wood must be placed behind heavy loads and in rear of trains.
- Air must be cut in when handling cars on Commercial Str 13th and 32nd Streets.
- Cars must not be left standing on spur or siding at Palm City 150 ft. to Palm Avenue crossing.
- 34. When using "Set-out track," Kettner Blvd. and Broadway, San Diego & Arizona Eastern Railway trains will protect Diego Electric Railway inbound trains and must not delay trains.
- 35. When Signals No. 1022 and No. 1023 are in "stop" position stop in compliance with Rule No. 501 and then proceed with caution to Bridge No. 102-A.
  When stopped by these signals, train shall not proceed No. 102-A until authorized by either tunnel guard, bridge track foreman.
- When pushing trains out of yards no locomotive will be pl wooden underframe equipment.

#### TRAIN AND AIR INSPECTION

- 37. In addition to running tests that are made after leaving to spection points, or at any point where brake pipe has be to fully comply with Rule No. 39 of Air Brake rules, running be made on eastward passenger trains at Culvert 106B.
- 38. Rules 24 and 38, rear end test between terminals per "Rules and governing Care and Operation of Air Brakes and Air Si ratus," will be made on all trains at Mills Crossing or Hipa Rear end test and train inspection will be made on Train all Eastward freight trains at Culvert 106-B.
- 39. When helper engines are in trains, after a rear end tes made, the leading engine must not attempt to start until engine has whistled off. The helper engine must not whis receiving signal from the rear, which will not be given be pressure on caboose gauge indicates Seventy (70) pounds.
- Air brakes on two adjoining cars must not be cut out leaving where cars can be separated.
- Following points are designated for careful inspection trains: Eastward freight and mixed trains will stop not les minutes at Jacumba MP 114 and Coyote Wells for cooling and inspection.

69. All brakemen, except rear brakeman, will ride on top of and mixed trains as follows:

WARD

(Hipass to Jacumba Culvert 106-B to Coyote Wells.

WARD, RAINS OR CARS

Mile Post 83 to Tecate.

Kilometer 54 to Redondo.

rakemen on freight and mixed trains between Garcia and Mata-nd on descending grades between Redondo and Coyote Wells will be track from rear of caboose or coach so that train may be stopped t of derailment. Lights are provided on coaches and Dietz lanterns ooses to assist in observing the track.

will display head lights and marker lights through tunnels No. 6 20, inclusive.

flues must be sanded Eastbound approaching Hipass, Westwhen approaching Culvert 106-B.

flues must not be sanded while passing places where damage re might result.

ust not be cut off train on grades depending on hand or air-brakes them, but must be placed with the Engine.

bell must be rung continuously between the following points: sine: San Diego and Kilometer 7, Garcia and east end of Tunnel 2, losts 96 and 106, Dixieland and El Centro.

le Line: 8th Street and Mount Hope Cemetery.

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making up through freight trains, empty and wood frame cars e placed behind heavy loads and in rear of trains.

st be cut in when handling cars on Commercial Street between d 32nd Streets.

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to Palm Avenue crossing.

using "Set-out track," Kettner Blvd. and Broadway, San Diego, ego & Arizona Eastern Railway trains will protect against San Electric Railway inbound trains and must not delay the latter

Signals No. 1022 and No. 1023 are in "stop" position, train shall compliance with Rule No. 501 and then proceed immediately ution to Bridge No. 102-A.

stopped by these signals, train shall not proceed over Bridge 2-A until authorized by either tunnel guard, bridge foreman or reman.

pushing trains out of yards no locomotive will be placed behind underframe equipment.

#### TRAIN AND AIR INSPECTION

tion to running tests that are made after leaving terminal, in-n points, or at any point where brake pipe has been broken, comply with Rule No. 39 of Air Brake rules, running test will e on eastward passenger trains at Culvert 106B.

4 and 38, rear end test between terminals per "Rules and Regulations ng Care and Operation of Air Brakes and Air Signal Appa-will be made on all trains at Mills Crossing or Hipass.

nd test and train inspection will be made on Train No. 52 and tward freight trains at Culvert 106-B.

helper engines are in trains, after a rear end test has been the leading engine must not attempt to start until the helper has whistled off. The helper engine must not whistle off until ig signal from the rear, which will not be given before the air e on caboose gauge indicates Seventy (70) pounds.

kes on two adjoining cars must not be cut out leaving any station ars can be separated.

ng points are designated for careful inspection of freight Eastward freight and mixed trains will stop not less than five at Jacumba MP 114 and Coyote Wells for cooling of wheels pection.



## "SAFETY FIRST"

Westward freight and mixed trains will stop not less than five minutes at Campo or Clover Flat and Tecate for cooling of wheels and inspection.

Eastward passenger trains will stop at Jacumba and at Coyote Wells for inspection of wheels and brakes.

- 42. Passenger equipment must not be switched, either in yards or on line, unless air brakes are cut in and made operative.
- 43. Gross tonnage of any freight train must not exceed the following number of M's per operative brake between the stations shown:

Hipass and Coyote Wells

100 M's

Hipass and Redondo

## METHOD FOR TESTING FOR TRIPLE, CAUSING UNDESIRED APPLICATION OF AIR BRAKES (DYNAMITER)

44. If test is made on a grade, a sufficient number of hand brakes must be set to secure the train.

Test must be made from rear end of train and under no circumstances by the engineman.

Engineman having first been instructed by the Conductor to set his brake valve and leave it in the running position, train crew then go to rear end of train and so locate themselves that each man can observe two cars at a time, the number of cars in each test depending on the number of trainmen available. Close the angle cock on about fourth or sixth car from the rear, but do not break the air hose. One man will then go to rear of caboose, open angle cock very slowly, allowing a small flow of air to escape, about the same amount as would be released from brake valves for a service application, then close it. If all brakes apply properly and show no bad triple valve action, then open the angle cock on rear of caboose, letting out all of the air in the block of cars being tested. Close the angle cock, thus leaving block of cars empty of air in rear of train. Then proceed to the point where the angle cock had been closed on the train, leaving it closed, and close another angle cock about four or six cars ahead of this point. Then proceed with the test in the same manner as for the first block of cars in the rear, permitting the air in this block of cars to flow back to the uncharged portion. This procedure to continue until the entire train has been tested. Air brake of car going into emergency will be cut out and report rendered on Form 2809.

After test completed and before train proceeds, rear end air brake test as per Rules 24 and 38 must be made to insure all hose coupled and angle cocks in proper position.

#### USE OF RETAINERS

45. All retainers on freight and passenger trains must be used: Eastward Hipass to Jacumba, Culvert 106 B to Coyote Wells. Where retainers are used, speed of freight and mixed trains on any grade of over one per cent. must not exceed 25 miles per hour; and on grades this character for the free fire training training training and on grades this character. acter for the first five miles, time consumed in traveling any one mile must be not less than three minutes. This maximum speed restriction will not affect speed on heavy grade or in other locations where maximum is now provided.

#### INTERNATIONAL BOUNDARY

- Trains approaching gate at International Boundary, San Ysidro, will sound one long blast of whistle to inform Government Officials of their presence. If prompt response is not gained after whistle blast, an employee will go at once to Government Headquarters and request service.
- Trains will stop before crossing the International Boundary Line at San Ysidro. Trains in both directions when not accompanied by Customs Immigration Rider will stop at Campo. Trains in both directions will stop at Tecate. Trains must not cross International Boundary Line without first notifying Customs and Immigration Officers and obtaining pages are projected from them. ing necessary permission from them.
- Westward trains coming into Tijuana, when not accompanied by rider, will proceed without stopping to Boundary line for inspection by Officers of the Mexican Government, after which cars for Tijuana may be set out and necessary switching performed. Mixed trains will also stop passenger equipment at depot when passengers are handled.
- Trains carrying passengers will not stop between Lindero and Campo Stations except in cases of emergency.

#### STRUCTURES LESS THAN STANDARD CLEARANCE SAN DIEGO-EL CENTRO SUBDIVISION

50. Ice dock at Boal.

Ice dock Boal is equipped with aprons which must be raised and secured before moving cars on adjoining track.

Rock bins, sand chute and braces for overhead conveyor Otay Gravel Pit spur.

Pipe and counter-weights on Malt Plant, Tecate.

#### SAN DIEGO-LAKESIDE SUBDIVISION

51. Overhead highway bridge main line between Grossmont and El Cajon.

#### SAN DIEGO YARDS

Trolley wires and pole on Fifth Avenue spur between J and L Streets.
 Freight house tracks.

Union Oil Company spur tracks.

Trolley wires on San Diego Electric Railway Transfer, and Broadway team track.

Sperry Flour Company Spur.

- All employees are warned it is dangerous to stand erect on cars, especially cars of extraordinary height.
- Train and Enginemen are cautioned to watch closely for impaired clearance signs.
- 55. Location and Capacity of Additional Spur Tracks on San Diego-El Centro Subdivision.

		Distance from San Die	go
NAME	Connection	in Miles	Capacity
Linen		9.5	16 Cars
Standard	E	19.2	4 Cars
Arguello	w	20,2	4 Cars
Barrett	W. & E	67.1	16 Cars
Clover Flat Pi	t	74.4	17 Cars
Sugar Loaf Pit.	W	117.1	5 Cars
Lumber	E	135.4	7 Cars
Edgar	E	137.1	11 Cars
	E		5 Cars

## 56. ADDITIONAL STATIONS ON SAN DIEGO-EL CENTRO SUBDIVISION

Name.	Distance from San Diego.
West Park Ave	14.2
Mills Crossing	83.5
Dubbers	96.0

Can Diago Bodando El Contro Counto Walle

#### RATINGS OF LOCOMOTIVES

7	In	M's	of	1000	pounds.

			San Diego to Redondo	Redonde to Hipass	to Coyote Wells	to to Hipass	Is	
Eng.	Nominal	Official	.9%	1.4%	.9%	2.2%	.4%	Level
No.	Class	Class	Grade	Grade	Grade	Grade	Grade	Track
12	T-56	T-57-18/24-95	1400	810	1400	490	2650	7450
20	T-57	T-63-21/28-135-S	2400	1400	2400	900	4500	12550
24) 25) 26) 27)		T-63-21/26-141-S	2300	1350	2300	830	4350	12200
50	C-30	C-50-20/24-122	2050	1200	2050	760	3800	10600
101) 102) 103 104 105) 106)	C-31 C-9 C-8 C-10	C-57-22/30-198-S) C-57-22/30-194-S) C-57-22/30-192-S) C-57-22/30-194-S)	3250	1900	3250	1200	6050	16800
2353) 2354)	T-31	T-63-22/28-162-S	2900	1700	2900	1050	5450	15250
Allow for en	ipty L	ess than 50 Ms.	3		3	3	3	
and u	nder-	ore than 50 Ms.	0		0	0	0	

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.

LIGHT WEIGHT OF PASSENGER CARS.

C-fo T	ounge	Car No.
	ss Cars	
Comb.	Coach-Baggage	174
44		175
46		176 to 17
_		
Coach		
66		201 to 20
66		206 to 20
Stream	alined Chair Car	
Pullma	ın	ood
- "	St	
**		U Caral (France)
	A	il Steel (Fort series)
84		ll Steel (Lake series)
44	All	Steel (Camp series)
**	All	Steel (Rock series)
		Dicer (Trock Beries)

#### INSTRUCTIONS IN CASE OF FIRE

#### 1. FIRE FIGHTING EQUIPMENT:

(a) FIVE GALLON FIRE EXTINGUISHERS ARE LOC FOLLOWING POINTS:

Between Tunnels 1 and 2	West end Tunn
Between Tunnels 3 and 4	West end Tunn
West end Tunnel 5	West end Tunn
West end Bridge 97-C	East end Tunne
East end Tunnel 6	West end Tunn
Both ends Tunnel 8	West end Bridg
West end Tunnel 10	West end Bridg
West end Tunnel 11	West end Tunn
West end Tunnel 12	West end Tunn
East end Tunnel 13	West end Tunn

Note:-Fire extinguishers at Tunnels are located just inside tu

(b) CONNECTIONS FOR PORTABLE PHONES IN GORGE ARE LOCATED AT FOLLOWING POINTS

140 1 01111
both ends T
West end T
East end Tu
West end T

There are telephones at the east end of Tunnel 11 and at of Bridge 102-A.

These connections are provided for emergency service on one using them in an attempt to get help must, after his o placed, DISCONNECT HIS PORTABLE PHONE so ator at San Diego can call camps. Failure to disconnect interfere with calling circuit.

- (c) FIRE HOSE AND CONNECTIONS ON LOCOMOT Engines No. 101, 102, 103, 104, 105, 106, 2353, and 2354, a with fire hose connections on feed water line between and the check valve. On the deck of the tender of these e is a hose reel holding 100 feet of fire hose with nozzle atta using hose, be sure to close valve ahead of the check opening valve on the fire hose connection. This will prever backing up into hose line in case check valve fails to seat. Other engines not equipped with hose connections, if loc permits, will get Tank Car at Tunnel 15 Spur and movusing equipment mounted on tank.
- (d) TANK CAR MW 1001:

Tank Car MW 1001 with 10,000 gallons of water is kept Tunnel 15 Spur. On deck over top of tank is mounted a s 300 feet of fire hose on a reel, and a tool box containing tools and fittings. Car is equipped with headlights on ea extension cord to be plugged into socket in cab of engin tool box. Steam line to pump is fitted with steam hose creach end of car, so that pump may be operated from eigengine or train, and by either steam or air. A length of

#### LIGHT WEIGHT OF PASSENGER CARS.

Car No.	Light Weight
ounge	166,000
s Cars 050	145,500
Coach-Baggage	136,900
" 175	105,200
" " 176 to 178	115,280
	108,900
201 to 205	107,900
206 to 208	112,500
lined Chair Car	104,500
Wood	125,000
Steel Underframe	145,000
	152,000
	163,500
	159,680
	167,700

#### INSTRUCTIONS IN CASE OF FIRE

#### FIGHTING EQUIPMENT:

VE GALLON FIRE EXTINGUISHERS ARE LOCATED AT LLOWING POINTS:

Between Tunnels 1 and 2	West end Tunnel 14
Between Tunnels 3 and 4	West end Tunnel 15
West end Tunnel 5	West end Tunnel 16
West end Bridge 97-C	East end Tunnel 17
Cast end Tunnel 6	West end Tunnel 18
Both ends Tunnel 8	West end Bridge 104-A
West end Tunnel 10	West end Bridge 104-B
West end Tunnel 11	West end Tunnel 19
West end Tunnel 12	West end Tunnel 20
East end Tunnel 13	West end Tunnel 21

Fire extinguishers at Tunnels are located just inside tunnel portals.

## NNECTIONS FOR PORTABLE PHONES IN CARRISO RGE ARE LOCATED AT FOLLOWING POINTS:

ear	West end Tunnel 5	Near	both ends Tunnel 14	
	East end Tunnel 6		West end Tunnel 15	
	West end abandoned Tunnel	7	East end Tunnel 16	
	Both ends Tunnel 8		West end Tunnel 17	
	West end Tunnel 9		West end Tunnel 18	
	West end Tunnel 10		West end Tunnel 19	
	East end Tunnel 12		West end Tunnel 20	
	East end Tunnel 13		West end Tunnel 21	

ere are telephones at the east end of Tunnel 11 and at the east end Bridge 102-A.

using them in an attempt to get help must, after his call has been ted, DISCONNECT HIS PORTABLE PHONE so that Operat San Diego can call camps. Failure to disconnect phone will refere with calling circuit.

#### RE HOSE AND CONNECTIONS ON LOCOMOTIVES:

gines No. 101, 102, 103, 104, 105, 106, 2353, and 2354, are equipped in fire hose connections on feed water line between the injector the check valve. On the deck of the tender of these engines there hose reel holding 100 feet of fire hose with nozzle attached. When may hose, be sure to close valve ahead of the check valve before ning valve on the fire hose connection. This will prevent hot water king up into hose line in case check valve fails to seat.

her engines not equipped with hose connections, if location of fire mits, will get Tank Car at Tunnel 15 Spur and move it to fire, and equipment mounted on tank.

#### NK CAR MW 1001:

nk Car MW 1001 with 10,000 gallons of water is kept first out at the first one of tank is mounted a steam pump, feet of fire hose on a reel, and a tool box containing fire-fighting is and fittings. Car is equipped with headlights on each end, and ension cord to be plugged into socket in cab of engine is kept in box. Steam line to pump is fitted with steam hose connection at h end of car, so that pump may be operated from either end of ine or train, and by either steam or air. A length of steam hose

and fittings are kept in tool box of tank car to make connections. When pump is run by air, automatic brake valve on engine should be held in Full Release position to increase volume of air.

#### 2. INSTRUCTIONS:

- (a) Rear brakeman and fireman on eastward trains will keep a sharp lookout after passing Tunnel 15 Spur and be prepared to accept stop signal from Tunnel Guard.
- (b) Steam hose must be coupled and steam cut through to rear of passenger trains at all times regardless of weather conditions. This in order to handle fire-fighting car at Tunnel 15 Spur at rear of train.
- (c) Trains discovering a fire should immediately call operator at San Diego so other equipment can be dispatched to the fire. Every effort should be made to extinguish the fire with the equipment on the engine and tender. If it is evident that fire cannot be put out with equipment at hand, or if engine is not equipped with fire hose, and it is possible to reach Tank Car at Tunnel 15 Spur, get that car and return it to the fire while there is sufficient water left in the tender to make the round trip. Tank Car should be picked up so that it will be headed into the fire ahead of engine or train. Stake and pinch bar are included with tools on deck of tank car.

Tunnels and bridges in some places are located so close together that a fire may spread to another structure. While it might not be possible to extinguish the fire in one structure, equipment should stand by to prevent fire from spreading.

Employes will use their best judgment in meeting an emergency and act in the safest and quickest way to meet the conditions.

(d) Tank Car MW 1001 must always be left, filled and first out at Tunnel 15 Spur.

#### SURGEONS

- Dr. C. A. Walker, Chief Surgeon and Manager, San Francisco.
- Dr. F. C. Russell, District Surgeon, 1109 Medico-Dental Bldg, San Diego. Office Phone: F. 4141; Res. Phone: J. 9491.
- Dr. H. G. Holder, District Surgeon, 1109 Medico-Dental Bldg., San Diego. Office Phone: F. 4141; Res. Phone: La Jolla 3862.
- Dr. Thos. F. O'Connell, Asst. District Surgeon, 1109 Medico-Dental Bldg., San Diego. Office Phone: F. 4141; Res. Phone: J. 6280.
- Dr. T. M. Cunningham, District Physician, La Mesa, Calif. Office Phone: L. M. 963; Res. Phone: L. M. 361.
- Dr. Molina Reyes, District Surgeon, Tijuana, B. C., Mexico. Phone: Tijuana 205-M.
- Dr. F. W. Peterson, District Surgeon, El Centro. Office Phone: E. C. 444; Res. Phone: E. C. 463.
- Dr. W. W. Apple, District Surgeon, El Centro. Office Phone: E. C. 55; Res. Phone: E. C. 351.
- Dr. T. E. Bartholomew, District Surgeon, Calexico. Phone: Calexico 313.
- Dr. Harold J. Gregg, Asst. District Surgeon, Calexico. Office Phone: Calexico 361; Res. Phone: Calexico 748.

#### HOSPITALS

General Hospital, San Francisco, California.

Division Hospital, Mercy Hospital, Hillcrest Drive, San Diego, Calif.

S. A. Lamey, Trainmaster and Chief Dispatcher. Office Phone: Main 7111.



