PB-27024

UNION PACIFIC RAILROAD

EL PASO AREA

TIMETABLE #1

Effective 0001 Sunday, October 25, 1998

D. J. Duffy, Executive Vice President - Operations
S. R. Barkley, Vice President - Southern Region
M. F. Kelly, Vice President - Northern Region
J. L. Verhaal, Vice President - Western Region
J. H. Koch, Vice President - Field Operations
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J. J. Damman, Vice President - Harriman Dispatching Center
G. L. Fletcher, Vice President - Risk Management
J. M. Santamaria, Chief Mechanical Officer - Locomotives
J. N. Vargason, Chief Mechanical Officer - Cars
R. S. Kenyon, General Director Safety
J. C. Klaus, General Director Operating Practices

This document supersedes:

Union Pacific Railroad System Timetable 2, effective Oct. 29,1995

Southern Pacific Lines Timetables 1
Western, Southern & Central Regions, effective April 14, 1996

EXPLANATION OF CHARACTERS

	Symbol represents:		Symbol represents:
CTC	CENTRALIZED TRAFFIC CONTROL	X	CROSSOVER BETWEEN MAIN TRACKS DUAL CONTROL SWITCHES
CTC ATC	CENTRAL TRAFFIC CONTROL AUTOMATIC TRAIN CONTROL	Y	YARD LIMITS
ATC	AUTOMATIC TRAIN CONTROL	(9)	SPECIAL INSTRUCTIONS APPLY ITEM 9
ABS	AUTOMATIC BLOCK SIGNAL SYSTEM	(11)	SPECIAL INSTRUCTIONS ITEM 11
DT	DOUBLE TRACK	N	NORTHWARD
DTC	DIRECT TRAFFIC CONTROL	S	SOUTHWARD
DTC ABS	DIRECT TRAFFIC CONTROL AUTOMATIC BLOCK SIGNAL SYSTEM	E	EASTWARD
TWC	TRACK WARRANT CONTROL	W	WESTWARD
TWC ABS	TRACK WARRANT CONTROL AUTOMATIC BLOCK SIGNAL SYSTEM	C	CENTER
#MT	MULTIPLE MAIN TRACK -#(number MT's)	+	HEAD-END RESTRICTION ONLY
!	SIDING WITH ENTERING SIGNAL ALLOWING ASPECT MORE FAVORABLE THAN LUNAR	(R)	REDUCE/RESUME SPEED SIGNS AT OTHER THAN PRESCRIBED LOCATION
(A)	AUTOMATIC INTERLOCKING	(#)	HOT BOX AND DRAGGING EQUIPMENT DETECTOR STATION EQUIPPED WITH RADIO TRANSMITTED VERBAL INDICATOR
B	BASE RADIO STATION	#	HOT BOX DETECTOR STATION EQUIPPED WITH RADIO TRANSMITTED VERBAL INDICATOR
D	DRAW BRIDGE	@	HOT BOX AND DRAGGING EQUIPMENT DETECTOR STATION EQUIPPED WITH RADIO TRANSMITTED VERBAL INDICATOR - TALK ON DEFECT ONLY WITH HOLD OR STOP SIGNALS
(G)	GATE-NORMAL POSITION AGAINST CONFLICTING ROUTE	$	HOT BOX DETECTOR STATION EQUIPPED WITH RADIO TRANSMITTED VERBAL INDICATOR - TALK ON DEFECT ONLY
G	GATE-NORMAL POSITION AGAINST THIS SUBDIVISION	%	DRAGGING EQUIPMENT DETECTORS WITH RADIO TRANSMITTED VERBAL INDICATOR - TALK ON DEFECT ONLY
(M)	MANUAL INTERLOCKING	&	HIGH WIDE SHIFTED LOAD AND DRAGGING EQUIPMENT DETECTOR EQUIPPED WITH RADIO TRANSMITTED VERBAL INDICATOR
(S)	STOP SIGN		
T	TURNING FACILITY		
(X)	RAILROAD CROSSING AT GRADE		

OTHER AVAILABLE REFERENCE MATERIAL FROM DATA DOCUMENTS

Area #	Area Name	TimeTable Item #	Area Profile Item #
1	Portland	PB-27020	PB-27050
2	Salt Lake	PB-27021	PB-27051
3	Roseville	PB-27022	PB-27052
4	Los Angeles	PB-27023	PB-27053
5	El Paso	PB-27024	PB-27054
6	Denver	PB-27025	PB-27055
7	North Platte	PB-27026	PB-27056
8	Council Bluffs	PB-27027	PB-27057
9	Kansas City	PB-27028	PB-27058
10	Salina	PB-27029	PB-27059
11	Iowa	PB-27030	PB-27060
12	Twin Cities	PB-27031	PB-27061
13	Chicago	PB-27032	PB-27062
14	St. Louis	PB-27033	PB-27063
15	North Little Rock	PB-27034	PB-27064
16	Dallas/Ft. Worth	PB-27035	PB-27065
17	Houston	PB-27036	PB-27066
18	San Antonio	PB-27037	PB-27067
N/A	All Area 3 Hole Singles	PB-27038	
	3" Binder	PB-27019	
	Area Tabs (19 ea)	PB-27018	
	System Special Instructions	PB-27015	

EL PASO AREA

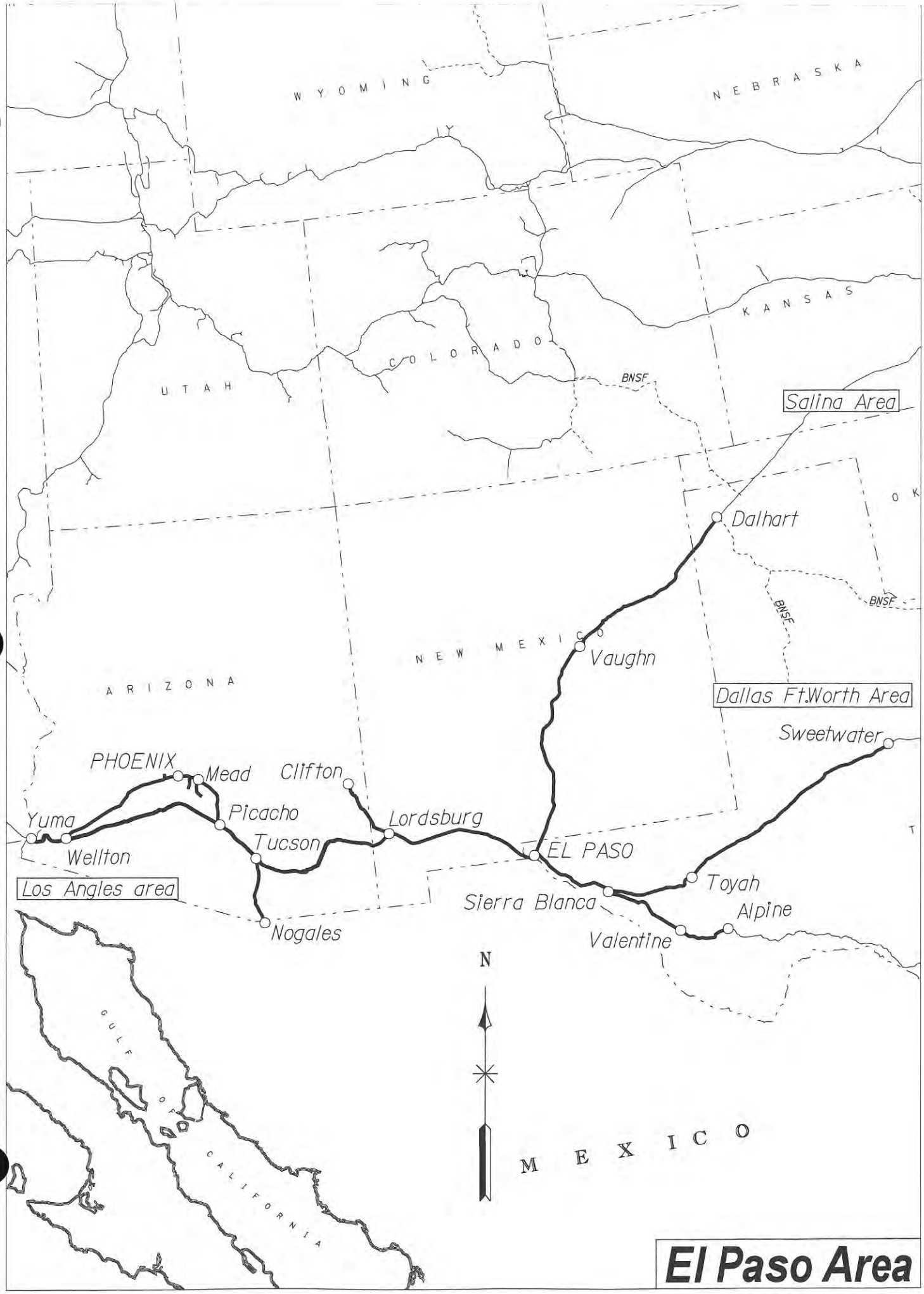
SUBDIVISION / INDUSTRIAL LEAD NAME :	PAGE
CARRIZOZO (680)	8
Chandler Industrial Lead:	20
CLIFTON (690)	14
GILA (675)	16
Litchfield Industrial Lead:	20
LORDSBURG (678)	10
NOGALES (683)	15
PHOENIX (685)	20
SIERRA BLANCA (517)	3
Somerton Industrial Lead:	16
Tempe Industrial Lead:	20
TOYAH (515)	2
TUCUMCARI (682)	6
VALENTINE (648)	4

EL PASO AREA

Station Name	Circ7 #	Subdivision	Page #
23RD AVE PHOENIX	LB434	PHOENIX	20
ADEN	SP050	LORDSBURG	10
AFTON	SP039	LORDSBURG	10
AKELA	SP069	LORDSBURG	10
ALAMOGORDO	SW86	CARRIZOZO	8
ALDONA	LB323	NOGALES	15
ALFALFA	TP854	VALENTINE	4
ALPINE	SO605	VALENTINE	4
ALPINE JCT.	SO606	VALENTINE	4
ALPINE SIDING	SO607	VALENTINE	4
AMADO	LB351	NOGALES	15
ANAPRA	SP008	LORDSBURG	10
ANCHO	SW78	CARRIZOZO	8
ARAGON	SO640	VALENTINE	4
ARCADE	TP579	TOYAH	2
ARLINGTON	LB476	PHOENIX	20
AZTEC	SP484	GILA	16
BELEN	TP846	VALENTINE	4
BENSON	SP268	LORDSBURG	10
BIG SPRING	TP513	TOYAH	2
BNSF CROSSING		TUCUMCARI	6
BON	SP388	GILA	16
BORACHO	TP709	SIERRA BLANCA	3
BOSQUE	SP433	GILA	16
BOWIE	SP200	LORDSBURG	10
BUCKEYE	LB462	PHOENIX	20
CARNE	SP078	LORDSBURG	10
CARRIZOZO	SW80	CARRIZOZO	8
CASA GRANDE	SP377	GILA	16
CASHION	LB445	PHOENIX	20
CENTER VAUGHN		TUCUMCARI	6
CHAMISO	SP273	LORDSBURG	10
CHERRY AVE.		GILA	16
CHUB	TP549	TOYAH	2
CLIFTON	LB062	CLIFTON	14
CLINT	TP839	VALENTINE	4
COAHOMA	TP503	TOYAH	2
COCHISE	SP234	LORDSBURG	10
COLFRED	SP512	GILA	16
COLLADO	SO701	VALENTINE	4
COOLIDGE	LB377	PHOENIX	20
CORONA	SW75	CARRIZOZO	8
CP 1023		LORDSBURG	10
CP 1029		LORDSBURG	10
CP 1035		LORDSBURG	10
CP 1044		LORDSBURG	10
CP 1050		LORDSBURG	10
CP 1056		LORDSBURG	10
CP 1113		LORDSBURG	10
CP 1121		LORDSBURG	10
CP 1126		LORDSBURG	10
CP 1130		LORDSBURG	10
CP 1135		LORDSBURG	10
CP LIZARD	SP012	LORDSBURG	10
CP STRAUSS	SP019	LORDSBURG	10
DALHART	SW52	TUCUMCARI	6
DAVIS	SW68	TUCUMCARI	6
DEMING	SP090	LORDSBURG	10
DESERT	SW91	CARRIZOZO	8
DIXIE	LB472	PHOENIX	20
DOME	TP479	TOYAH	2
DOME	SP542	GILA	16
DONA	SP060	LORDSBURG	10
DRAGOON	SP244	LORDSBURG	10
DUNCAN	LB030	CLIFTON	14
DUNES	SW87	CARRIZOZO	8
DURAN	SW73	CARRIZOZO	8
EAST VAUGHN	SW71	TUCUMCARI	6
EAST YARD	SP558	GILA	16
EFAW	SW74	CARRIZOZO	8
EL PASO (Piedras St.)	TP860	LORDSBURG	10
EL PASO (PIEDRAS ST.)		VALENTINE	4
EL PASO (Union Depot)		LORDSBURG	10
ENID	SP406	GILA	16
ESTRELLA	SP421	GILA	16
FABENS	TP831	VALENTINE	4
FENNER	SP265	LORDSBURG	10
FINLAY	TP790	VALENTINE	4
FORT BLISS	SW94	CARRIZOZO	8
FORTUNA	SP552	GILA	16
FOWLER	LB440	PHOENIX	20
FOX	LB033	CLIFTON	14
GAGE	SP110	LORDSBURG	10
GALLINAS	SW76	CARRIZOZO	8
GARY	SP157	LORDSBURG	10
GERMANN	LB400	PHOENIX	20
GILA	SP440	GILA	16
GILBERT	LB411	PHOENIX	20
GILLESPIE	LB487	PHOENIX	20
GUTHRIE	LB051	CLIFTON	14
HOT WELLS	SO712	VALENTINE	4
HYDER	LB515	PHOENIX	20
IATAN	TP492	TOYAH	2
ISER	TP815	VALENTINE	4
KENDALL	LB427	PHOENIX	20
KING	SW53	TUCUMCARI	6
KINO	SP 32	GILA	16
KINTER	SP545	GILA	16
KOFA	LB545	PHOENIX	20
LANARK	SP029	LORDSBURG	10
LASCA	TP777	VALENTINE	4
LEONCITO	SW71	TUCUMCARI	6
LISBON	SP139	LORDSBURG	10
LITCHFIELD	LB447	PHOENIX	20
LITCHFIELD JCT.	LB448	PHOENIX	20
LOBO	SO688	VALENTINE	4
LOGAN	SW59	TUCUMCARI	6
LORAINE	TP467	TOYAH	2
LORDSBURG	SP149	LORDSBURG	10
LORDSBURG	SP149	CLIFTON	14
LOS TANOS	SW66	TUCUMCARI	6
LUZENA	SP207	LORDSBURG	10
MAGMA	LB389	PHOENIX	20
MALLIE	SO723	VALENTINE	4
MARFA	SO628	VALENTINE	4
MARICOPA	SP398	GILA	16
MATER	SW59	TUCUMCARI	6
McNARY	TP803	VALENTINE	4

EL PASO AREA

Station Name	Circ7 #	Subdivision	Page #
McQUEEN	LB414	PHOENIX	20
MESA	LB416	PHOENIX	20
MESCAL	SP276	LORDSBURG	10
METZ	TP594	TOYAH	2
MOBILE	SP412	GILA	16
MOHAWK	SP503	GILA	16
MONAHANS	TP609	TOYAH	2
MONDEL	SP164	LORDSBURG	10
MORITA	TP524	TOYAH	2
NARAVISA	SW56	TUCUMCARI	6
NAVISKA	SP342	GILA	16
NEWMAN	SW92	CARRIZOZO	8
NOAH	SP519	GILA	16
NOGALES	LB380	NOGALES	15
OBAR	SW57	TUCUMCARI	6
ODESSA	TP570	TOYAH	2
OLGA	SP191	LORDSBURG	10
OMLEE	SW86	CARRIZOZO	8
OROGRANDE	SW89	CARRIZOZO	8
OSCURO		CARRIZOZO	8
OTERO	SW84	CARRIZOZO	8
PAISANO	SO617	VALENTINE	4
PAISANO JCT.		VALENTINE	4
PALOMAS	SW62	TUCUMCARI	6
PASTURA	SW69	TUCUMCARI	6
PEGASUS	TP564	TOYAH	2
PFE YARD	SP 31	GILA	16
PFE YARD	SP314	LORDSBURG	10
PHOENIX	LB432	PHOENIX	20
PHOENIX YARD		PHOENIX	20
PICACHO	SP359	PHOENIX	20
PICACHO	SP359	GILA	16
PIEDRA	SP456	GILA	16
PLANEPORT	SW94	CARRIZOZO	8
QUEBEC	SO657	VALENTINE	4
RASO	SP215	LORDSBURG	10
RED ROCK	SP345	GILA	16
RILLITO	SP 33	GILA	16
RIO		NOGALES	15
ROLL	LB567	PHOENIX	20
ROMERO	SW55	TUCUMCARI	6
ROSCOE	TP456	TOYAH	2
RYAN	SO649	VALENTINE	4
SADDLE	LB497	PHOENIX	20
SAHUARITA	LB333	NOGALES	15
SAN SIMON	SP183	LORDSBURG	10
SANTA ROSA	SW67	TUCUMCARI	6
SENTINEL	SP466	GILA	16
SEPAR	SP131	LORDSBURG	10
SHAWMUT	SP426	GILA	16
SIBYL	SP260	LORDSBURG	10
SIERRA BLANCA	TP768	VALENTINE	4
SIERRA BLANCA	TP768	SIERRA BLANCA	3
SIMMONS	SW64	TUCUMCARI	6
SMALL	TP785	VALENTINE	4
SOUTH SIDING		CLIFTON	14
SOUTH YARD		GILA	16
STANTON	TP534	TOYAH	2
STANWIX	SP476	GILA	16
STEINS	SP169	LORDSBURG	10
STOCKHAM	SP 32	GILA	16
STOVAL	SP495	GILA	16
SUMMIT	LB018	CLIFTON	14
SWEETWATER	TP448	TOYAH	2
TEMPE	LB423	PHOENIX	20
THEBA	SP450	GILA	16
THREE RIVERS	SW83	CARRIZOZO	8
TOLLESON	LB442	PHOENIX	20
TOLTEC	SP368	GILA	16
TORNILLO	TP826	VALENTINE	4
TOWER 47	TP859	LORDSBURG	10
TOWER 47	TP859	CARRIZOZO	8
TOYAH	TP666	SIERRA BLANCA	3
TOYAH	TP666	TOYAH	2
TUCSON	SP317	NOGALES	15
TUCSON	SP 31	GILA	16
TUCUMCARI	SW61	TUCUMCARI	6
TULLY	SP254	LORDSBURG	10
TUNIS	SP100	LORDSBURG	10
U.P. CONNECTION		VALENTINE	4
ULMORIS	SP145	LORDSBURG	10
VAIL CROSSOVERS		LORDSBURG	10
VALENTINE	SO665	VALENTINE	4
VANAR	SP176	LORDSBURG	10
WELLTON	SP526	GILA	16
WELLTON	SP526	PHOENIX	20
WENDELL	SO677	VALENTINE	4
WEST VAUGHN	SW71	TUCUMCARI	6
WEST VAUGHN	SW71	CARRIZOZO	8
WEST WELLTON		GILA	16
WILD HORSE	TP727	SIERRA BLANCA	3
WILLCOX	SP223	LORDSBURG	10
WILMOT	SP306	LORDSBURG	10
WILNA	SP121	LORDSBURG	10
WYMOLA	SP352	GILA	16
YUMA	SP563	GILA	16


WYOMING
NEBRASKA
KANSAS
COLORADO
UTAH
BNSF
Salina Area
Dalhart
OK
BNSF
BNSF
NEW MEXICO
Vaughn
ARIZONA
Dallas Ft.Worth Area
Sweetwater
PHOENIX
Mead
Clifton
Yuma
Picacho
Lordsburg
Wellton
Tucson
EL PASO
Toyah
Los Angles area
Sierra Blanca
Alpine
Nogales
Valentine
N
GULF OF CALIFORNIA
MEXICO
El Paso Area

TOYAH SUBDIVISION (515)

Mile Post	Rule 6.3	CP #'s	Radio Display: Sweetwater to Toyah -2020 WEST ▼ STATIONS ▲ EAST	Sta. #'s	Siding Feet
447.8	TWC ABS		SWEETWATER B (8.6)	TP448	11569
456.4			ROSCOE (10.0)	TP456	7577
466.4			LORAINE (11.7)	TP467	7457
478.1			DOME (13.0)	TP479	8257
491.1			IATAN (12.6)	TP492	6830
503.7			COAHOMA (9.7)	TP503	7405
513.4			BIG SPRING (10.5)	TP513	
523.9			MORITA (9.5)	TP524	7555
533.3			STANTON (15.3)	TP534	7515
549.2			CHUB (14.6)	TP549	7086
563.8			PEGASUS (6.5)	TP564	8410
570.3			ODESSA (8.6)	TP570	
578.9			ARCADE (14.8)	TP579	7864
593.7			METZ (15.7)	TP594	8000
609.4			MONAHANS T (56.7)	TP609	7505
666.1			TOYAH B	TP666	11865

(216.3)

SI-01 MAIN TRACK AUTHORITY

ABS Between MP 447.8 and MP 666.1.

TWC Between MP 447.8 and MP 666.1.

SI-02 MAXIMUM SPEED TABLE

Maximum Speed	MPH
Between Mile Posts 447.8 and 451.0	
(Except as Below)	**50**
447.8 and 448.4	30
Between Mile Posts 451.0 and 666.1	
(Except as Below)	**60**
463.8 and 464.3	50
476.0 and 493.5	40
496.0 and 497.0	45
505.0 and 509.0	40
509.0 and 513.4	25
526.0 and 533.0	40
533.0 and 537.0	25
537.0 and 541.0	40
551.6 and 556.5	40
569.0 and 576.0	40
587.1 and 587.6	50
596.0 and 615.0	40
639.2 and 647.1	40

SI-03 OTHER SPEED RESTRICTIONS

Maximum Speed	MPH
1. Thru Sidings & Turnouts Loraine, Dome, Iatan, Stanton, Chub, Pagasus, Arcade and Toyah	10
2. Dual Control Switch Turnouts (No Exceptions.)	
3. Misc. Speed Restrictions (No Exceptions.)	

SI-04 MAIN TRACK DESIGNATIONS - None.

SI-05 MILE POST EQUATIONS - None.

SI-06 DTC BLOCK LIMITS - None.

SI-07 ITEM 13 TRAIN DEFECT DETECTORS

(#)453.0
(#)485.4
(#)544.0
(#)582.0
(#)613.6
(#)644.5

SI-08 RULES ITEMS - None.

SI-09 FRA EXCEPTED TRACKS - None.

SI-10 BUSINESS TRACKS

Track Name	MP	STA. #'S
Colorado City	475.0	TP476
Ziler	508.5	TP509
Dix	538.7	TP539
Tex-Harvey	540.8	TP541
Midland	553.3	TP553
Ind. Foundation	557.6	TP558
Bounce	559.0	TP559
Warfield	562.7	TP563
Solo	568.7	TP569
Douro	584.1	TP584
Texas Elec.	613.6	TP614
Wickett	615.6	TP615
Pyote	624.2	TP624
Barstow	640.0	TP640
Pecos	646.6	TP647

SI-11 INDUSTRIAL LEADS - None.

SI-12 TONNAGE RESTRICTIONS/TPOB

Do not exceed 55 MPH if freight train averages over 90 tons per operative brake - 50 MPH if train averages over 110 tons per operative brake.

SI-13 TRAIN MAKE-UP RESTRICTIONS - None.

SI-14 MISC. INSTRUCTIONS

Emergency Access: use Radio Call-In System 911.

Roscoe siding: Flop-over derail located at west end of siding.

SIERRA BLANCA SUBDIVISION (517)

Mile Post	Rule 6.3	CP #'s	Radio Display: Toyah to Sierra Blanca -2020 WEST ▼ STATIONS ▲ EAST		Sta. #'s	Siding Feet
666.1	TWC ABS		TOYAH (42.7)	B	TP666	11865
708.8			BORACHO (17.6)		TP709	8742
725.7 727.5		T725 T727	WILD HORSE (42.3)	(M) (M)	TP727	8700
768.7			SIERRA BLANCA		TP768	
			(102.6)			

SI-01 MAIN TRACK AUTHORITY

ABS Between MP 666.1 and MP 768.7.

TWC Between MP 666.1 and MP 768.7.

SI-02 MAXIMUM SPEED TABLE

Maximum Speed Between Mile Posts 666.1 and 768.7	MPH
(Except as Below)	**60**
692.7 and 696.7	50
710.0 and 713.0	40
718.0 and 721.0	40
735.3 and 735.6	50
739.8 and 744.0	40

SI-03 OTHER SPEED RESTRICTIONS

Maximum Speed	MPH
1. Thru Sidings & Turnouts	
Sidings Toyah and Boracho	10
2. Dual Control Switch Turnouts	
Sierra Blanca	25
3. Misc. Speed Restrictions (No Exceptions.)	

SI-04 MAIN TRACK DESIGNATIONS - None.

SI-05 MILE POST EQUATIONS - None.

SI-06 DTC BLOCK LIMITS - None.

SI-07 ITEM 13 TRAIN DEFECT DETECTORS

(#)706.3

SI-08 RULES ITEMS - None.

SI-09 FRA EXCEPTED TRACKS - None.

SI-10 BUSINESS TRACKS

Track Name	MP	STA. #'S
Gozar	676.7	TP676
San Martine E	685.9	TP687
Levinson	691.2	TP691
Kent	698.8	TP698
Westex E	729.0	TP729
Van Horn	735.0	TP735
Crusher	744.2	TP744
Allamore	746.5	TP746
Eagle Flat	753.9	TP754
Arispe	763.6	TP764

SI-11 INDUSTRIAL LEADS - None.

SI-12 TONNAGE RESTRICTIONS/TPOB

Do not exceed 55 MPH if freight train averages over 90 tons per operative brake.
- 50 MPH if train averages over 110 tons per operative brake.

SI-13 TRAIN MAKE-UP RESTRICTIONS - None.

SI-14 MISC. INSTRUCTIONS

Emergency Access: use Radio Call-In System 911.

Engines must not use Trk. 3 or Engine Spur at Crusher.

VALENTINE SUBDIVISION (648)

Mile Post	Rule 6.3	CP #'s	Radio Display: Alpine to Belen -1414 / Belen to El Paso -9696 WEST ▼ STATIONS ▲ EAST	Sta. #'s	Siding Feet
607.2	CTC		ALPINE B (1.3)	SO605	
608.5			ALPINE JCT. (1.3)	SO606	
609.8			ALPINE SIDING ! (9.8)	SO607	8314
619.6			PAISANO JCT. (0.5)		
620.1			PAISANO ! (10.9)	SO617	8647
631.0			MARFA ! (11.9)	SO628	8375
642.9			ARAGON ! (8.9)	SO640	8410
651.8			RYAN ! (8.2)	SO649	8362
660.0			QUEBEC ! (7.8)	SO657	8399
667.8			VALENTINE ! (12.1)	SO665	8071
679.9			WENDELL ! (11.2)	SO677	8366
691.1			LOBO ! (12.6)	SO688	8394
703.7			COLLADO ! (10.9)	SO701	8661
714.6			HOT WELLS ! (11.5)	SO712	9368
726.1			MALLIE ! (11.1)	SO723	8375
737.2			U.P. CONNECTION (1.0)		
738.2			SIERRA BLANCA BI (7.9)	TP768	10425
746.1			LASCA ! (5.2)	TP777	8507
751.3			SMALL ! (5.7)	TP785	8479
760.9			FINLAY ! (9.2)	TP790	7835
770.1			McNARY ! (13.5)	TP803	8306
783.6			ISER ! (10.4)	TP815	9978
794.0			TORNILLO ! (6.2)	TP826	8589
800.2			FABENS (7.8)	TP831	
808.0			CLINT ! (7.2)	TP839	8705
815.2	DT ABS		BELEN (7.6)	TP846	
822.8			ALFALFA BY (4.7)	TP854	
827.0 1298.0			EL PASO (PIEDRAS ST.) BT		
			(220.5)		

SI-01 MAIN TRACK AUTHORITY

CTC Between MP 607.2 and MP 815.3.

Rule 9.14 Territory between MP 815.3 and MP 827.0.

Yard Limits Between MP 820.0 and MP 827.0 on both main tracks.

SI-02 MAXIMUM SPEED TABLE

Maximum Speed MPH

Between Mile Posts

607.2 and 827.0	**PSGR**	**FRT**
(Except as Below)	**79**	**70**
607.2 and 609.7	50	50
609.7 and 613.1	75	60
613.1 and 616.6	70	60
616.6 and 621.6	50	45
621.6 and 624.2	75	70
624.2 and 625.3	55	55
629.0 and 630.2	45	45
630.2 and 633.7	60	60
633.7 and 638.1	75	70
638.1 and 640.4	50	50
701.2 and 704.7	75	70
704.7 and 706.5	60	60
715.8 and 723.0	60	60
734.1 and 736.5	60	60
736.5 and 742.7	75	70
742.7 and 745.3	70	70
745.3 ** W	70+	50+
745.3 and 746.9	70	70
746.9 ** W	70+	55+
746.9 and 748.3	70	70
748.3 ** W	70+	55+
748.3 and 756.5	70	70
756.5 and 760.1	55	55
760.1 and 763.6	70	70
763.6 **	70+	55+
763.6 and 767.2	75	70
767.2 and 784.6	70	70
784.6** E	70+	55+
784.6 and 791.4	70	70
791.4 and 792.2	60	60
792.2 and 798.6	70	70
798.6 ** E	70+	60+
798.6 and 805.3	70	70
805.3 ** W	70+	60+
805.3 and 808.8	70	70
808.8 and 810.8	70	70
810.8 ** E	70+	55+
810.8 and 815.0	70	70
815.0 and 815.3	50	50
815.3 and 823.0 - Trk.1 W	40	40
823.0 and 827.0 - Trk.1 W	30	30
815.3 and 827.0 - Trk.2 W	20	20
827.0 and 823.0 - Trk.2 E	30	30
823.0 and 815.3 - Trk.2 E	40	40
827.0 and 815.3 - Trk.1 E	20	20

** Only freight trains exceeding 80 TPOB must comply with speed restriction. Speed restriction will not apply when signal at speed restriction location displays CLEAR.

SI-03 OTHER SPEED RESTRICTIONS

Maximum Speed	MPH
1. Thru Sidings & Turnouts	
Siding Hot Wells	10
Siding Paisano	25
2. Dual Control Switch Turnouts	
Turnout MP 815.2	50
3. Misc. Speed Restrictions (No Exceptions.)	

SI-04 MAIN TRACK DESIGNATIONS

Double Track between MP 815.3 and MP 827.0

SI-05 MILE POST EQUATIONS

MP 827.0 = MP 1298.0

SI-06 DTC BLOCK LIMITS - None.

SI-07 ITEM 13 TRAIN DEFECT DETECTORS

% 612.9	% 665.0	(#)734.5
# 615.5	(#)671.0	(#)748.4
% 617.0	% 676.4	(#)765.5
% 623.0	% 682.6	(#)776.2
(#)626.0	(#)688.2	(#)788.8
% 635.0	% 694.2	# 800.1
(#)640.1	% 700.2	# 811.5
% 646.1	(#)706.8	
% 648.5	% 711.5	
(#)656.0	(#)721.5	
% 663.0	% 729.4	

SI-08 RULES ITEMS

Rule 6.32.5 Alpine: Fifth St. crossing is equipped with a radio receiver that will activate crossing gates. To activate crossing gates, punch numbers 6322 on radio DTMF pad.

Rule 8.3 Alfalfa: Eastward trains departing from Alfalfa Yard may leave main track switches lined and locked for other than normal movement.

Rule 9.1.12 When signal 8226 displays red aspect an eastward train or engine must not proceed until proceed signal is received from yardman, or oral authorization from Yardmaster or his representative.

Rule 9.12.4 Alfalfa: When non-controlled absolute signal governing movement to Chevron South Refinery Lead displays a Stop indication after switch is lined for lead, movement may pass signal and enter lead without permission from the train dispatcher.

Rule 9.17 Alfalfa Yard: When entering Trk. 1 from the west end of Alfalfa lead, the requirement to line the switch and wait 5 minutes will not apply, when it is seen that train occupying Trk. 1 at Alfalfa Yard is stopped.

SI-09 FRA EXCEPTED TRACKS - None.

SI-10 BUSINESS TRACKS - None.

SI-11 INDUSTRIAL LEADS - None.

SI-12 TONNAGE RESTRICTIONS/TPOB

Maximum gross weight: 158 Tons.

Tons Per Operative Brake:	Tons Per Dynamic Brake Axle:	Maximum Speed:
100+ to 120		65 MPH
120+ to 132		60 MPH
Over 132		45 MPH

SI-13 TRAIN MAKE-UP RESTRICTIONS - None.

SI-14 MISC. INSTRUCTIONS

Six-Axle units must not be operated into house track at Clint.

Tornillo Road Crossing MP 794.3 between 8:00 AM and 9:30 AM and 3:30 PM to 5:00 PM, do not block this crossing. If operating conditions require trains to stop on this crossing longer than 1 minute during these times, the crossing must immediately be cut and left open until the train is ready to depart.
NOTE: These instructions do not apply on Saturday, Sunday, and holidays. Rule 6.32.3 will still apply on these days and outside of the above times.

El Paso: When notified by Yardmaster of Border Patrol Inspection, trains must not exceed 5 MPH at location specified. Track speed must not be resumed until inspecting officers notify train that inspection has been completed.
Sign reading "WHEN NOTIFIED STOP HERE" is located at MP 826.4. When westward train is directed to stop at Copia Street, train must stop short of sign at MP 826.4 and not proceed until permission is received.

Alfalfa: Westward freight trains must contact the Alfalfa Yardmaster and receive movement instructions before passing Zaragosa Rd MP 818.8.

TUCUMCARI SUBDIVISION (682)

Mile Post	Rule 6.3	CP #'s	Radio Display: Dalhart to Tucumcari -1414 Tucumcari to West Vaughn -9696 WEST ▼ STATIONS ▲ EAST	Sta. #'s	Siding Feet
545.4	YL ABS		DALHART (0.1) BTY	SW523	9754
545.5			BNSF CROSSING (15.7) (X)(M)		
561.2	DTC ABS		KING (17.2)	SW539	9270
578.4			ROMERO (12.4)	SW556	9070
590.8			NARAVISA (7.1)	SW568	
597.9			OBAR (17.4)	SW576	9075
615.3			LOGAN (6.0)	SW593	
621.3			MATER (17.2)	SW599	9120
638.5 1627.4			TUCUMCARI (5.5) BT	SW612	
1615.5	CTC		PALOMAS (15.2) !	SW628	9892
1600.3			SIMMONS (22.8) !	SW643	9000
1577.4			LOS TANOS (9.1) !	SW666	9200
1568.3			SANTA ROSA (6.0)	SW675	
1562.3			DAVIS (15.1) !	SW680	8976
1547.2			PASTURA (21.8) !	SW696	9000
1533.3	DTC ABS		LEONCITO (7.9)	SW710	5148
1528.5	CTC		EAST VAUGHN !	SW716	E9268
1526.5			CENTER VAUGHN		
1524.7			WEST VAUGHN !	SW718	W9081
			(195.1)		

SI-01 MAIN TRACK AUTHORITY

ABS Between MP 545.4 and MP 1624.9
MP 1545.7 and MP 1528.5

Yard Limits Between Dalhart MP 546.3 and MP 542.5.

CTC Between MP 1624.9 and MP 1545.7
MP 1528.5 and 1524.7

DTC Between MP 546.3 and MP 1624.9
MP 1545.7 and MP 1528.5

SI-02 MAXIMUM SPEED TABLE

Maximum Speed Between Mile Posts 545.4 and 1524.7	MPH
(Except as Below)	70
545.4 and 546.3	60
549.0** E	55+
549.0 and 568.5	60
572.5** W	50+
613.3** W	55+
616.4 and 616.6	50
618.6** E	50+
621.1** W	60+
636.6 and 638.5 = 1627.4	60
1627.4 and 1615.9	60
1599.7 and 1562.8 W	60
1562.8 and 1555.0 W	40
1599.7 and 1561.8 E	60
1561.8 and 1555.0 E	40
1531.8 and 1528.5	40

** Only freight trains exceeding 80 TPOB must comply with speed restriction. Speed restriction will not apply when signal at speed restriction location displays CLEAR.

SI-03 OTHER SPEED RESTRICTIONS

Maximum Speed	MPH
1. Thru Sidings & Turnouts.	
Palomas siding	10
2. Dual Control Switch Turnouts (No Exceptions.)	
3. Misc. Speed Restrictions	
Yard Trk. 2 Tucumcari	20

SI-04 MAIN TRACK DESIGNATIONS - None.

SI-05 MILE POST EQUATIONS

MP 638.5 = MP 1627.4

SI-06 DTC BLOCK LIMITS

WEST	BLOCK NAME	EAST	WEST	BLOCK NAME	EAST
560.5	Dalhart	546.3	635.0	Mater	621.2
577.2	King	560.5	1624.9	Tucumcari	635.0
597.1	Romero	577.2	1528.5	Leoncito	1545.7
621.2	Obar	597.1			

SI-07 ITEM 13 TRAIN DEFECT DETECTORS

(#) 554.3	(#) 616.6	% 1589.6
(#) 570.0	% 621.1	(#) 1576.5
(#) 585.6	(#) 630.0	(#) 1567.4
(#) 605.0	% 1622.6	(#) 1549.2
% 613.0	(#) 1606.8	(#) 1530.3

SI-08 RULES ITEMS

Rule 7.6 When five or more cars are left at grain loading or customer loading facilities that are parallel to main tracks, a minimum of five handbrakes must be applied.

Rule 9.12.2 Dalhart, BNSF Crossing MP 545.5: Manual Interlocking governing movement over BNSF crossing at MP 545.5 is controlled by UP Train Dispatcher.

SI-09 FRA EXCEPTED TRACKS - None.

SI-10 BUSINESS TRACKS

Track Name	MP	STA. #'S
Montoya	1606.7	SW 637
Newkirk	1594.7	SW 649

SI-11 INDUSTRIAL LEADS - None.

SI-12 TONNAGE RESTRICTIONS/TPOB - None.

Tons Per Operative Brake:	Tons Per Dynamic Brake Axle:	Maximum Speed:
80+ to 100		65 MPH
100+ to 132		60 MPH
Over 132		45 MPH

SI-13 TRAIN MAKE-UP RESTRICTIONS - None.

SI-14 MISC. INSTRUCTIONS

Set Out Tracks
MP 1606.7 - SW637
MP 1594.7 - SW649 - 4900 ft. of yard track
MP 1533.3 - SW710 - 5100 ft. of yard track

Tucumcari: Trains arriving; Eastward use main track, Westward No. 2 Track unless otherwise instructed.

Six-axle locomotives: Prohibited on Atterbury Track, Worley Mills Track and Rip Track at Tucumcari.

Item 2-E Maximum Speeds: Fuel Conservation in System Special Instructions does not apply on the Tucumcari Subdivision.

CARRIZOZO SUBDIVISION (680)

Mile Post	Rule 6.3	CP #'s	Radio Display: Tower 47 T to West Vaughn -9696 WEST ▼ STATIONS ▲ EAST	Sta. #'s	Siding Feet
1524.7	CTC		WEST VAUGHN ! (14.4)	SW718	W9081
1511.0	DTC ABS		DURAN (16.5)	SW733	9000
1494.5			EFAW (3.6)	SW749	9732
1490.9			CORONA (8.4)	SW753	
1482.5			GALLINAS (19.0)	SW761	9000
1463.5			ANCHO (23.6)	SW780	9000
1439.9			CARRIZOZO B (13.8)	SW804	1-10400 2-9800
1426.1			OSCURO (13.2)		9911
1412.9			THREE RIVERS (11.0)	SW831	9000
1401.9			OTERO (19.1)	SW842	9075
1382.8			ALAMOGORDO (4.6)	SW861	9426
1378.2			OMLEE (12.2)	SW865	9100
1366.0			DUNES (21.0)	SW878	9000
1345.0			OROGRANDE (12.9)	SW899	9100
1332.1			DESERT (16.0)	SW911	9000
1316.1			NEWMAN (13.8)	SW927	9000
1302.3	YL ABS		PLANEPORT Y (0.8)	SW941	8726
1301.5	CTC		FORT BLISS (3.9)	SW942	
1297.6			TOWER 47 B	TP859	

(226.8)

SI-01 MAIN TRACK AUTHORITY

CTC at MP 1524.7; between MP 1297.6 and MP 1302.2 and is controlled by El Paso control operator.

ABS Between MP 1302.2 and MP 1524.7.

DTC Between MP 1304.4 and MP 1524.7.

Yard Limits Between MP 1302.2 and MP 1304.4.

SI-02 MAXIMUM SPEED TABLE

Maximum Speed Between Mile Posts 1524.7 and 1297.6	MPH
(Except as Below)	**70**
1519.9 and 1514.1	40
1514.1 and 1509.2	60
1493.7 and 1492.0	60
1492.0 and 1487.5	40
1476.0 and 1460.5	40
1460.5 and 1443.0	60
1436.3**	55+
1434.7 and 1432.0	50
1425.0 and 1418.7	60
1384.0 and 1381.0	60
1315.9** E	55+
1313.9** E	55+
1309.3** E	55+
1307.1** E	55+
1305.5** E	55+
1304.4 and 1299.8	40
1299.8 and 1297.8	25
1297.8 and 1297.6 W	10
1297.8 and 1297.6 E	20
Turnout 1297.6	20

** Only freight trains exceeding 80 TPOB must comply with speed restriction. Speed restriction will not apply when signal at speed restriction location displays CLEAR.

SI-03 OTHER SPEED RESTRICTIONS

Maximum Speed	MPH
1. Thru Sidings & Turnouts	
Sidings Alamogordo & Otero	10
2. Dual Control Switch Turnouts	
Turnout MP 1297.6	20
3. Misc. Speed Restrictions	
Fence Track: Eastward	20
Fence Track: Westward	10
East leg of Wye, Tower 47	10

CARRIZOZO SUBDIVISION (680)

SI-04 MAIN TRACK DESIGNATIONS - None.

SI-05 MILE POST EQUATIONS - None.

SI-06 DTC BLOCK LIMITS

WEST	BLOCK NAME	EAST	WEST	BLOCK NAME	EAST
1512.4	Indiole	1524.7	1382.0	Alamogordo	1383.7
1510.6	Duran	1512.4	1379.6	Holloman	1382.0
1495.5	Torrance	1510.6	1377.7	Omlee	1379.6
1493.7	Efaw	1495.5	1366.4	Valmont	1377.7
1491.0	Varney	1493.7	1364.7	Dunes	1366.4
1483.5	Corona	1491.0	1346.1	Paxton	1364.7
1481.7	Gallinas	1483.5	1344.3	Orogrande	1346.1
1463.6	Luna	1481.7	1332.6	Elwood	1344.3
1461.9	Ancho	1463.6	1330.8	Desert	1332.6
1452.1	Coyote	1461.9	1317.6	Alvarado	1330.8
1440.2	Robsart	1452.1	1315.9	Newman	1317.6
1438.1	Carrizozo	1440.2	1304.4	Tobin	1315.9
1424.0	Polly	1438.1			
1413.5	Oscuro	1424.0			
1411.8	Three Rivers	1413.5			
1401.9	Temporal	1411.8			
1400.1	Otero	1401.9			
1383.7	Kearney	1400.1			

SI-07 ITEM 13 TRAIN DEFECT DETECTORS

(#)1514.7	(#)1407.2	% 1322.1
(#)1503.5	(#)1394.8	(#)1305.9
(#)1492.1	(#)1380.4	
(#)1476.5	(#)1367.7	
(#)1457.6	(#)1355.5	
(#)1445.6	(#)1341.3	
(#)1426.0	(#)1327.2	

SI-08 RULES ITEMS

Rule 8.10. Carrizozo: Switch point indicator will display green aspect when switch is in normal or reverse position and will display red indication if switch is not properly lined.

Rule 9.12 Radio-controlled dual-control switches are equipped with radio receivers. Located in advance of each switch is a sign that displays the unique four-digit code which will activate that switch. When the unique four-digit command is transmitted by an approaching train within one mile after passing the approach sign, by use of the numerical buttons on an equipped radio or a hand-held encoder, the dual-control switch will line automatically for a diverging route. When switch is in the reverse position, the absolute signal governing movement will display Restricting aspect. If radio signal fails to operate switch, train must stop and be governed by the instruction posted on side of signal control house located at switch.

In addition to utilizing the radio command to reverse a switch to allow a train on the main track to enter the siding, the command signal can also reverse the switch to allow a train in the siding to enter the main track.

When an absolute signal governing movement over remote controlled dual-control switch displays Stop indication, train must stop and be governed by the instructions posted near the dual control switch buttons on the signal house. RULE 9.13.1.

The locations of the signs and the specific digital command codes are as follows:
Radio Controlled Switch Location - Approach Sign - Reverse Switch Command No.

East end Planeport - MP 1312.5 - 9050
West end Orogrande - MP 1334.6 - 9100
West end Alamogordo - MP 1375.2 - 9150
East end Alamogordo - MP 1392.3 - 9200
West end Three Rivers - MP 1402.0 - 9210
East end Three Rivers - MP 1423.1 - 9220
East end Otero - MP 1410.4 - 9208
West end Otero - MP 1389.0 - 9203
West end Gallinas - MP 1471.7 - 9250
East end Gallinas - MP 1491.5 - 9300
West end Efaw - MP 1484.0 - 9350
East end Efaw - MP 1504.9 - 9410

Rule 9.12.4 When absolute signal governing a facing point movement over a radio controlled dual-controlled switch displays Stop indication, Rule 9.12.4 will not apply.

When absolute signal on the main track governing a trailing point movement over a radio controlled dual-controlled switch displays Stop indication, comply with Rule 9.12.4.A., if signal fails to clear after complying with instructions posted near the dual control switch.

SI-09 FRA EXCEPTED TRACKS - None.

SI-10 BUSINESS TRACKS

Track Name	MP	STA. #'S
Bunsen	1312.6	SW931

SI-11 INDUSTRIAL LEADS - None.

SI-12 TONNAGE RESTRICTIONS/TPOB - None.

Tons Per Operative Brake:	Tons Per Dynamic Brake Axle:	Maximum Speed:
80+ to 100		65
100+ to 132		60
Over 132		45

SI-13 TRAIN MAKE-UP RESTRICTIONS - None.

SI-14 MISC. INSTRUCTIONS

Six-axle locomotives are prohibited on all industry tracks between MP 1304.4, and MP 1384.0.

LORDSBURG SUBDIVISION (678)

Radio Display:
El Paso to Lordsburg -0808
Lordsburg to PFE Yard -9696

Mile Post	Rule 6.3	CP #'s	WEST ▼ STATIONS ▲ EAST		Sta. #'s	Siding Feet
1298.0	CTC 6MT		EL PASO (Piedras St.) (0.4)	BT	TP860	
1297.6			TOWER 47 (1.7)	XBT	TP859	
1295.9	CTC 3MT		EL PASO (Union Depot) (6.0)			
1289.9	CTC 2MT		ANAPRA (4.7)		SP008	
1285.2			CP LIZARD (6.2)	(11)X	SP012	
1279.0			CP STRAUSS (10.0)	(11)	SP019	
1269.0	CTC		LANARK (10.0)	!	SP029	8380
1259.0			AFTON (11.0)	!	SP039	8352
1248.0			ADEN (10.0)	!	SP050	8347
1238.0			DONA (9.0)	!	SP060	8376
1229.0			AKELA (9.5)	!	SP069	8359
1219.5			CARNE (11.5)	!	SP078	8352
1208.0			DEMING (10.0)	!B	SP090	8309
1198.0			TUNIS (10.0)	!	SP100	8361
1188.0			GAGE (11.0)	!	SP110	8371
1177.0			WILNA (10.0)	!	SP121	8385
1167.0			SEPAR (8.0)	!	SP131	8362
1159.0			LISBON (6.0)	!	SP139	8457
1153.0			ULMORIS (4.7)	!	SP145	8378
1148.3			LORDSBURG (7.5)	!BT	SP149	10850
1140.8			GARY (6.2)	!	SP157	8360
1134.6	CTC 2MT	1135	CP 1135 (0.9)			
1133.7			MONDEL (4.0)		SP164	
1129.7		1130	CP 1130 (0.8)	X		
1128.9			STEINS (2.7)		SP169	
1126.2		1126	CP 1126 (4.4)	X		
1121.8			VANAR (1.0)		SP176	
1120.8		1121	CP 1121 (6.6)	X		
1114.2			SAN SIMON (1.7)		SP183	
1112.5		1113	CP 1113 (5.9)			
1106.6	CTC		OLGA (8.2)	!	SP191	8236
1098.4			BOWIE (7.4)	!T	SP200	8209
1091.0			LUZENA (8.4)	!	SP207	9947
1082.6			RASO (7.9)	!	SP215	8480
1074.7			WILLCOX (10.8)	!	SP223	8379
1063.9			COCHISE (8.2)	!T	SP234	8415
1055.7	CTC 2MT	1056	CP 1056 (1.8)			
1053.9			DRAGOON (3.6)		SP244	
1050.3		1050	CP 1050 (6.4)	X		
1047.2			TULLY (3.1)		SP254	
1043.6		1044	CP 1044 (2.6)	X		
1041.0			SIBYL (5.2)		SP260	
1035.8			FENNER (0.8)		SP265	
1035.0		1035	CP 1035 (2.4)	X		
1032.6			BENSON (3.3)		SP268	
1029.3		1029	CP 1029 (1.1)	X		
1028.2			CHAMISO (4.6)		SP273	
1023.6			MESCAL (0.3)		SP276	
1023.3		1023	CP 1023 (23.3)	X		
1000.0			VAIL CROSSOVERS (5.2)	X		
994.8			WILMOT (8.2)		SP306	
986.6	YL ABS 2MT		PFE YARD	XBTY	SP314	

(310.4)

LORDSBURG SUBDIVISION (678)

SI-01 MAIN TRACK AUTHORITY

CTC Between MP 987.7 and MP 1298.0; MP 987.6 and MP 987.7 on East Lead Track, PFE Yard.

ABS Between MP 987.7 and MP 986.6 on both main tracks.

Yard Limits Between MP 987.7 and MP 986.6 on both main tracks.

Rule 9.15 between MP 987.7 and MP 986.6.

Deming: Movements over BNSF track is governed by the General Code of Operating Rules, UP Timetable and UP System Special Instructions. Main track is outside of block system limits, but is within yard limits extending between BNSF MP 1132.4 and MP 1133.9. Movements on BNSF Trackage will be made not exceeding 10 MPH.

Benson: Operation on the trackage of the San Pedro & Southwestern Railroad is governed by General code of Operating Rules, UP Timetable and UP System Special Instructions. UP trains and engines must not operate beyond SPSR MP 1.0. Within this territory, yard limits are in effect. Maximum speed is 10 MPH.

SI-02 MAXIMUM SPEED TABLE

Maximum Speed MPH

Between Mile Posts 1298.0 and 986.6 Eastward	PSGR	FRT
(Except as Below)	**79**	**70**
986.6 and 988.4	40	40
988.4 and 990.3	45	40
1000.5 and 1007.4 - Trk.1	70	60
1007.4 and 1009.3 - Trk.1	60	55
1009.3 and 1020.9 - Trk.1	65	60
1020.9 and 1023.1 - Trk.1	40	40
1003.8 and 1005.7 - Trk.2	30	25
1005.7 and 1010.4 - Trk.2	28	25
1010.4 and 1012.6 - Trk.2	35	25
1012.6 and 1018.1 - Trk.2	28	25
1018.1 and 1023.1 - Trk.2	40	40
1023.1 and 1036.8	60	55
1036.8 and 1041.9	45	40
1041.9 and 1051.7	40	40
1051.7 and 1052.4	45	40
1052.4 and 1055.7	55	50
1055.7 (Turnout Trk.1)	30	30
1055.7 and 1058.0	55	50
1058.0 and 1060.0	79	65
1060.0**	79+	55+
1060.0 and 1065.7	79	65
1065.7 and 1069.0	60	60
1069.0 and 1072.7	79	65
1072.7**	79+	55+
1072.7 and 1082.8	79	65
1082.8 and 1091.0	65	60
1091.0 and 1112.5	79	65
1112.5 (Turnout Trk.1)	30	30
1112.5 and 1121.4	79	65
1121.4 and 1124.4	55	50
1124.4 and 1128.7	45	40
1128.7 and 1130.2	55	50
1130.2 and 1134.6	79	65
1134.6 (Turnout Trk.2)	30	30
1134.6 and 1142.3	79	65
1142.3**	79+	55+
1142.3 and 1147.2	79	65
1147.2 and 1150.7	60	60
1150.7 and 1152.3	79	65
1152.3**	79+	50+

Between Mile Posts 1298.0 and 986.6 Eastward	PSGR	FRT
(Except as Below)	**79**	**70**
1152.3 and 1176.4	79	65
1176.4**	79+	55+
1176.4 and 1192.0	79	65
1192.0**	79+	50+
1192.0 and 1200.4	79	65
1200.4**	79+	55+
1200.4 and 1202.4	79	65
1202.4**	79+	55+
1202.4 and 1204.2	79	65
1204.2**	79+	55+
1204.2 and 1211.2	79	65
1211.2**	79+	55+
1211.2 and 1213.2	79	65
1213.2**	79+	55+
1213.2 and 1221.6	79	65
1221.6**	79+	55+
1221.6 and 1223.4	79	65
1223.4**	79+	55+
1223.4 and 1225.0	79	65
1225.0**	79+	55+
1225.0 and 1229.8	79	65
1229.8**	79+	55+
1229.8 and 1237.4	79	65
1237.4**	79+	55+
1237.4 and 1244.2	79	65
1244.2 and 1247.0	75	65
1247.0**	75+	55+
1247.0 and 1247.6	75	65
1247.6 and 1271.2	79	65
1271.2**	79+	55+
1271.2 and 1275.0	79	65
1275.0**	79+	55+
1275.0 and 1278.0	79	65
1278.0 and 1281.3 - Trk.1&2	60	60
1281.3 and 1292.5 - Trk.2	40	40
1292.5 and 1295.5 - Trk.2	30	30
1295.5 and 1298.0 - Trk.2	20	20
1281.3 and 1295.5 - Trk.1	40	40
1295.5 and 1298.0 - Trk.1	20	20
1293.5 and 1295.6 - Trk.3	25	25
1295.6 and 1297.8 - Trk.3	20	20
1296.6 and 1297.8 - Trk.4	20	20
1296.6 and 1297.8 - Trk.5	20	20
1296.6 and 1297.8 - Trk.6	20	20

Between Mile Posts 1298.0 and 986.6 Westward	PSGR	FRT
(Except as Below)	**79**	**70**
1298.0 and 1295.5 - Trk.1	20	20
1295.5 and 1281.3 - Trk.1	40	40
1298.0 and 1295.5 - Trk.2	20	20
1295.5 and 1292.5 - Trk.2	30	30
1292.5 and 1281.3 - Trk.2	40	40
1297.8 and 1295.6 - Trk.3	20	20
1295.6 and 1293.6 - Trk.3	25	25
1297.8 and 1296.6 - Trk.4	20	20
1297.8 and 1296.6 - Trk.5	20	20
1297.8 and 1296.6 - Trk.6	20	20
1281.3 and 1279.7 - Trk.1	60	60
1281.3 and 1278.0 - Trk.2	60	60
1247.6 and 1244.2	75	70
1150.7 and 1147.2	60	60
1134.6 (Turnout Trk.2)	30	30
1130.2 and 1128.7	55	50
1128.7 and 1124.4	45	40

LORDSBURG SUBDIVISION (678)

Between Mile Posts 1298.0 and 986.6 Westward	PSGR	FRT
(Except as Below)	**79**	**70**
1124.4 and 1121.4	55	50
1121.7**	79+	45+
1091.0 and 1082.8	65	60
1069.0 and 1065.7	60	60
1058.0 and 1055.7	55	50
1055.7 (turnout Trk.1)	30	30
1055.7 and 1052.4	55	50
1052.4 and 1051.7	45	40
1051.7 and 1041.9	40	40
1041.9 and 1036.8	45	40
1036.8 and 1035.0	60	55
1035.0 and 1023.1	60	55
1023.1 and 1018.1 - Trk.2	40	40
1018.1 and 1012.6 - Trk.2	28	25
1012.6 and 1010.4 - Trk.2	35	25
1010.4 and 1005.7 - Trk.2	28	25
1005.7 and 1003.8 - Trk.2	30	25
1023.1 and 1020.9 - Trk.1	40	40
1020.9 and 1009.4 - Trk.1	65	60
1009.4 and 1007.4 - Trk.1	60	55
1007.4 and 1005.5 - Trk.1	70	60
994.1** - Trk.1	79+	55+
992.5** - Trk.1	79+	50+
990.3 and 988.4	45	40
988.4 and 986.6	40	40

** Only freight trains exceeding 80 TPOB must comply with speed restriction. Speed restriction will not apply when signal at speed restriction location displays CLEAR.

SI-03 OTHER SPEED RESTRICTIONS

Maximum Speed	MPH
1. Thru Sidings & Turnouts	
Siding Raso	25
2. Dual Control Switch Turnouts	
All crossovers in Trainway	10
Crossover MP 1285.2	40
Turnout MP 1278.0 - Trk. 2	60
Vail crossovers MP 1000.0	40
36th Street crossover MP 987.7	40
3. Misc. Speed Restrictions	
D Yard lead at main Trk. 2 and east end of main Trk. 5&6 MP 1298.0	20
Industry tracks, repair, store and material tracks, shop yard diesel service facility tracks, rip track, Tracks 754 through 799 (old Zone 10), over track scales in Cotton Ave	5
On and off turntable diesel facility	3
Bowie: All Arizona Eastern RR tracks	5
Cochise: (MP 1061.7), Arizona Electric Power co-op, Inc. within plant with bell ringing	5
Hand-throw crossover west end of Trks. 3&4 MP 1296.6	10

SI-04 MAIN TRACK DESIGNATIONS

Between MP 1297.8 and MP 1296.6 six main tracks in service.

Between MP 1296.6 and MP 1293.6 three main tracks in service.

Between MP 1293.6 and MP 1297.8 Tracks are designated as follows:
Trk. 1: North track between MP 1293.6 and MP 1298.0
No. 2 Track: Second track to the south between MP 1293.6 and MP 1298.0
No. 3 Track: South track between MP 1293.6 and MP 1296.6; third track to the south between MP 1296.6 and MP 1297.8.
No. 4 Track: Fourth track to the south between MP 1296.6 and MP 1297.8.
No. 5 Track: Fifth track to the south between MP 1296.6 and MP 1297.8.
No. 6 Track: Sixth track to the south between MP 1296.6 and MP 1297.8.

Two main tracks between MP 1293.6 and MP 1278.0, MP 1134.6 and MP 1112.5, MP 1055.7 and 986.6.

No. 1 Track (North track between Mescal and MP 1008.5; South Track between MP 1008.5 and MP 987.7; North Track between MP 987.7 and MP 979.5)

No. 2 Track (South Track between Mescal and MP 1007.9; North track between MP 1007.9 and 987.7; South Track between MP 987.7 and MP 986.6).

SI-05 MILE POST EQUATIONS

MP 1023.1 = MP 1021.7
MP 1031.3 = MP 1031.4
MP 1037.4 = MP 1037.5
MP 1040.3 = MP 1040.6
MP 1044.7 = MP 1045.2
MP 1125.1 = MP 1125.3

SI-06 DTC BLOCK LIMITS - None.

SI-07 ITEM 13 TRAIN DEFECT DETECTORS

% 1288.1	% 1144.9	(#)1038.1
(#)1282.2	(#)1136.9	& 1036.7
% 1273.0	% 1131.9	& 1030.7
(#)1266.9	(#)1119.0 Trk.2	(#)1025.1 Tk1,2
(#)1252.0	(#)1118.7	% 1017.5 Trk.2
% 1243.0	% 1110.5	(#)1016.4 Trk.1
(#)1235.0	% 1110.0	(#)1011.1 Trk.2
(#)1224.2	(#)1102.6	(#)997.9
% 1213.1	% 1094.0	% 991.5 Trk1&2
(#)1202.3	(#)1088.2	
% 1192.2	(#)1077.0	
(#)1181.2	(#)1069.3	
% 1174.3	% 1059.3	
(#)1165.0	(#)1051.8	
% 1156.2	% 1046.2	
(#)1152.0	% 1041.2	

Detectors MP 1030.7 and MP 1036.7 protect structure at MP 1033.7.

SI-08 RULES ITEMS

Rule 5.13 Dallas Yard, El Paso: On main tracks 1 through 6, one of the following two methods of protection or a combination of these must be provided:

1. A blue signal must be displayed at the end of the rolling equipment OR

2. Where remote control switches provide direct access, the employee in charge of the workmen must tell the El Paso control operator what work will be done. El Paso control operator must then:

a. Inform the employee in charge of the workmen that the switches have been lined against movement onto the track and devices controlling the switches have been secured.

b. Not remove the locking devices unless the employee in charge of the workmen says it is safe to do so.

c. Maintain for 15 days a written record of each notification that includes:
* name and craft of the employee in charge of the workmen requesting protection.
* Identification of track involved
* Date and time the employee in charge of workmen is notified that protection was provided.
* Date, time, name and craft of the employee in charge of workmen who authorized removal of the protection.

Rule 6.16 Railroad crossings: Joint UP-BNSF Levee Track crossing BNSF connection to International Bridge located 387' North of the center of the BNSF International Bridge. Stop signs are located on both sides of the BNSF connection to the International Bridge. Movements over this crossing may be made after stopping and crew member has preceded the movement.

Rule 7.6 Instruction for applying hand brakes:

PFE Yard: 0-2500 tons - 10 hand brakes or 1/2 of the hand brakes in train. (Whichever is the least.)
2501-4999 tons - 15 hand brakes.
5000-7999 tons - 20 hand brakes.
8000 tons and above - 25 hand brakes.
All hand brakes are to be set on the descending end.
Hand brakes will not be applied if outgoing crew takes charge of train on arrival, and inbound crew is advised by Yardmaster that engine is not to be detached and no switching is to be performed on the train. Hand brakes will not be applied if switch crew takes charge of train on arrival. Hand brakes on outbound trains must not be released until engine is coupled to train, air test completed, and blue sign removed.

Wilmot: Cars set out on north siding or south setout track must be left coupled together and within 200 feet of derail. Hand brakes must be applied as follows:
1 to 10 cars - all hand brakes
11 to 20 cars - 10 hand brakes west end
21 to 49 cars - 10 hand brakes west end, 5 hand brakes east end
50 or more cars - 15 hand brakes west end, 10 hand brakes east end

Rule 31.1.2 PFE Yard: When engine is left unattended, hand brakes must be set on all units in consist.

SI-09 FRA EXCEPTED TRACKS

Rule 6.12 FRA Excepted Track Rule applies on the following tracks:
El Paso: Yard 5 - Tracks 500, 501, 503, 504, 505, 544, 545, 546, 547, 548, 549, 550, and 551.
Yard 6 - Tracks 754 through 799 (Old Zone 10).

SI-10 BUSINESS TRACKS

Track Name	MP	STA. #'S
Marsh	1012.9	SP288

SI-11 INDUSTRIAL LEADS - None.

SI-12 TONNAGE RESTRICTIONS/TPOB - None.

Tons Per Operative Brake:	Tons Per Dynamic Brake Axle:	Maximum Speed:
80+ to 100		60 MPH Eastward
		65 MPH Westward
100+ to 132		60 MPH Eastward
		60 MPH Westward
Over 132		45 MPH

Maximum gross weight -158 Tons

SI-13 TRAIN MAKE-UP RESTRICTIONS

Coupler Limits: The trailing tonnage behind a car must not exceed the coupler limit as specified as follows when ascending a grade: Subtract total locomotive tonnage rating for any helper engine that is positioned within the trailing tonnage behind the car. This final figure is the trailing tonnage.
Lordsburg to Mondel:
Standard Car Coupler - 11,000;
High Strength Car Coupler - 16,000.
Mondel to Tucson:
Standard Car Coupler - 9,000;
High Strength Car Coupler - 11,500
Tucson to Lordsburg:
Standard Car Coupler - 8,000;
High Strength Car Coupler - 11,000

Each car is to be considered equipped with a standard type coupler unless it is known the car is equipped with high strength couplers. If it is not known that a car is equipped with high strength couplers, it can be determined by looking at the coupler casting identification located on top of the coupler. A high strength coupler will have the letter "E" as the LAST character of identification. Examples of high strength coupler identifications are E60HTE, SBE60CE, E60DE.

SI-14 MISC. INSTRUCTIONS

Irvington Station Coal Plant MP 992.4, has impaired side clearances at the coal dumper on Track 5198. Mirrors, sun visors, and arm rests will not clear side of dumper unless pulled to engine body as close as possible. It will be the responsibility of the engineer and train crew to see that these devices have been moved toward the engine body before entering dumper with engines. Side clearances will not allow employees to ride on side of cars or engines, therefore, employees on engines must be in cab of engines with window shut when operating in the coal dumper.

Willcox: Operation on the Red Barn Lead is limited to one four-axle locomotive with cars.

Six-axle locomotives must not operate on legs of wye at Bowie and Lordsburg.

El Paso: When notified by Yardmaster of Border Patrol Inspection, trains must not exceed 5 MPH at location specified. Track speed must not be resumed until inspecting officers notify train that inspection has been completed.

CLIFTON SUBDIVISION (690)

Mile Post	Rule 6.3	CP #'s	Radio Display: Lordsburg to End of Track -9696 WEST ▼ STATIONS ▲ EAST	Sta. #'s	Siding Feet
1216.7	YL		CLIFTON Y (6.5)	LB062	
1209.8	DTC		SOUTH SIDING (4.6)		2149
1205.2			GUTHRIE (18.3)	LB051	
1186.9			FOX (2.6)	LB033	
1184.3			DUNCAN (19.0)	LB030	
1165.3			SUMMIT (18.9)	LB018	
1146.4	YL		LORDSBURG BTY	SP149	
			(69.9)		

SI-01 MAIN TRACK AUTHORITY

DTC Between MP 1148.5 and MP 1215.3.

Yard Limits Between MP 1146.4 and MP 1148.5; MP 1215.3 and MP 1216.7.

SI-02 MAXIMUM SPEED TABLE

Maximum Speed Between Mile Posts 1216.7 and 1146.4	MPH
(Except as Below)	40
1216.7 and 1216.0	5
1216.0 and 1197.4	10
1197.4 and 1191.5	20
1191.5 and 1190.0	10
1190.0 and 1185.0	20
1185.0 and 1183.2	30
1176.7 and 1147.2	30
1147.2 and 1146.5	10

SI-03 OTHER SPEED RESTRICTIONS

Maximum Speed	MPH
1. Thru Sidings & Turnouts	
South Siding	10
2. Dual Control Switch Turnouts (No Exceptions.)	
3. Misc. Speed Restrictions	
Clifton Yard Tracks	5

SI-04 MAIN TRACK DESIGNATIONS - None.

SI-05 MILE POST EQUATIONS - None.

SI-06 DTC BLOCK LIMITS

WEST	BLOCK NAME	EAST
1205.1	Clifton	1215.3
1184.5	Guthrie	1205.1
1165.3	Duncan	1184.5
1148.5	Summit	1165.3

SI-07 ITEM 13 TRAIN DEFECT DETECTORS

% 1189.7
% 1205.2

SI-08 RULES ITEMS

Rule 6.32.3 Clifton: Crossing at MP 1216.2 is equipped with unit for display of flashing white lights. Display of flashing white lights indicates gates are down.

SI-09 FRA EXCEPTED TRACKS - None.

SI-10 BUSINESS TRACKS - None.

SI-11 INDUSTRIAL LEADS - None.

SI-12 TONNAGE RESTRICTIONS/TPOB

On descending grades between Clifton and Guthrie, a train that exceeds 550 tons per axle of operative dynamic brake, one that experiences dynamic brake failure, or if the use of full dynamic brakes and an 18 pound brake pipe reduction will not control the train at the allowable speed, the train must be STOPPED and sufficient hand brakes set to prevent movement. The train must not proceed until additional dynamic braking is obtained, tonnage reduced, or retainers on all cars placed in operative position. The train must not proceed except as instructed by a MOP or other proper authority.

SI-13 TRAIN MAKE-UP RESTRICTIONS

Westward trains must not exceed 35 loads from Clifton to South Siding and 70 loads from South Siding to Fox. All loads must be entrained on the head-end of train.

SI-14 MISC. INSTRUCTIONS

Six-axle locomotives must not operate on Clifton Subdivision.

NOGALES SUBDIVISION (683)

Mile Post	Rule 6.3	CP #'s	Radio Display: Tucson to Nogales -9696 WEST ▼ STATIONS ▲ EAST	Sta. #'s	Siding Feet
1048.0	YL		NOGALES (7.0) BY	LB380	
1041.0	DTC		RIO (9.9)		4870
1021.1			AMADO (18.7)	LB351	
1002.4			SAHUARITA (10.0)	LB333	
992.4			ALDONA (5.6)	LB323	
984.8			TUCSON	SP317	

(63.2)

SI-01 MAIN TRACK AUTHORITY

DTC Between MP 984.8 and MP 1047.5.

Yard Limits Between MP 1047.5 and MP 1048.0.

SI-02 MAXIMUM SPEED TABLE

Maximum Speed	MPH
Between Mile Posts 1048.0 and 984.8	
(Except as Below)	**40**
1048.0 and 1047.5	20
1047.5 and 1039.5	25
1026.6 and 1025.8	25
1022.0 and 1021.8	25
988.7 and 985.1	25
985.1 and 984.8	10

SI-03 OTHER SPEED RESTRICTIONS

Maximum Speed	MPH
1. Thru Sidings & Turnouts	
Siding Rio	10
2. Dual Control Switch Turnouts (No Exceptions.)	
3. Misc. Speed Restrictions	
Sahuarita: Cyprus Mine Spur- East	25
Cyprus Mine Spur- West	15
Road Xing at Hall Rd at Overhead Conveyor Belt	5
Anamax mine spur- East	20
Anamax mine spur- West	15
Curves #2 and #3- Both directions	10
MP1002.8 & MP1009.5 on Anamax Lead	10
AS&R mine spur- East	20
AS&R mine spur- West	15

SI-04 MAIN TRACK DESIGNATIONS - None.

SI-05 MILE POST EQUATIONS - None.

SI-06 DTC BLOCK LIMITS

WEST	BLOCK NAME	EAST
1038.8	Nogales	1047.5
1025.0	Rio	1038.8
1005.5	Amado	1025.0
998.7	Sahaurita	1005.5
989.1	Hughes	998.7
984.8	Park	989.1

SI-07 ITEM 13 TRAIN DEFECT DETECTORS

(#)1042.2
(#)1028.1
(#)1010.2
(#)993.6

SI-08 RULES ITEMS

Rule 6.28 Applies between MP 1048.0 and End of Track.

Rule 7.6 When leaving cars on spur tracks going to AS&R (720) and Cypress Mines (731 and 750) hand brakes must be secured as follows:
1 to 10 cars...All Hand Brakes
10 or more cars...50% of hand brakes but no less than 10.

Rule 7.11 Sahuarita: Before making any switch moves at AS&R, or Anamax, it must be known that air brake system on each car being handled is fully charged, air hoses coupled between engine and cars and angle cocks properly positioned.

After fully charging air brake system, engineer will make a 20 pound brake pipe reduction, and conductor will see that a member of crew observes each car to see that brakes are properly working, then release brakes and wait five minutes before switch move commences.

Rule 30.5.4 Sahuarita: Ten minutes must be allowed to charge air brake system on cars picked up at AS&R, Anamax, and Cyprus mines before making air brake test.

Rule 31.7.1 Sahuarita: Retaining valves must be used on all cars on descending grades as follows: AS&R, Anamax, and Cyprus mines. All retainers will be used. Descending movement will not be made unless train has a least four axles of operative dynamic brake for each 15 cars in train.

SI-09 FRA EXCEPTED TRACKS - None.

SI-10 BUSINESS TRACKS - None.

SI-11 INDUSTRIAL LEADS - None.

SI-12 TONNAGE RESTRICTIONS - None.

SI-13 TRAIN MAKE-UP RESTRICTIONS

Blocks of five or more cars containing bulk commodities such as copper concentrate, concrete, and coal must be entrained on head end of train.

SI-14 MISC. INSTRUCTIONS

1. Sahuarita: Operation over Cyprus and Asarco Leads are restricted to four-axle locomotives.

2. Rio: Operation on Track 128 is restricted to four-axle locomotives

3. Sahuarita At AS&R plant, spur to Rod and Ball Mill, cars must not be moved beyond face of building.

GILA SUBDIVISION (675)

Mile Post	Rule 6.3	CP #'s	Radio Display: PFE Yard to Yuma -1414 WEST ▼ STATIONS ▲ EAST	Sta. #'s	Siding Feet
986.6	ABS 2MT		PFE YARD XBTY (1.3)	SP 314	
985.3	CTC 2MT		CHERRY AVE. X (1.4)		
983.9			TUCSON X (1.1)	SP 317	
982.8			SOUTH YARD X (3.5)		
979.3	CTC		STOCKHAM ! (4.6)	SP 322	7890
974.7			KINO ! (7.8)	SP 326	8195
966.9			RILLITO ! (8.5)	SP 334	8372
958.4			NAVISKA ! (7.0)	SP342	8445
951.4			RED ROCK ! (7.2)	SP345	8337
944.2			WYMOLA ! (7.5)	SP352	8381
936.7			PICACHO !TX (8.3)	SP359	S8754 N8677
928.4			TOLTEC ! (9.6)	SP368	8344
918.8			CASA GRANDE ! (11.1)	SP377	8336
907.7			BON ! (9.9)	SP388	8330
897.8			MARICOPA ! (7.8)	SP398	8309
890.0			ENID ! (6.3)	SP406	8359
883.7			MOBILE ! (9.1)	SP412	8330
874.6			ESTRELLA ! (4.4)	SP421	8305
870.2			SHAWMUT ! (6.8)	SP426	10560
863.2			BOSQUE ! (7.3)	SP433	8049
855.7			GILA ! (10.2)	SP440	17014
845.5			THEBA ! (5.6)	SP450	8356
839.9			PIEDRA ! (9.9)	SP456	8392
830.0			SENTINEL ! (10.3)	SP466	8369
819.7			STANWIX ! (7.8)	SP476	8240
811.9			AZTEC ! (11.4)	SP484	8388
800.5			STOVAL ! (7.9)	SP495	8386
792.7			MOHAWK ! (8.8)	SP503	8401
783.8			COLFRED ! (7.4)	SP512	8415
776.4			NOAH ! (6.4)	SP519	8371
770.0	CTC 2MT		WELLTON X (2.0)	SP526	
768.0			WEST WELLTON X (14.5)		
753.5			DOME (2.8)	SP542	
750.7	CTC		KINTER ! (6.9)	SP545	8487
743.7			FORTUNA ! (6.2)	SP552	8388
737.5	ABS 2MT		EAST YARD Y (4.7)	SP558	
732.7			YUMA BTY	SP563	

(253.2)

SI-01 MAIN TRACK AUTHORITY

CTC Between MP 737.4 and MP 985.3;
MP 985.2 on Nogales Lead and MP 985.5 on east and West lead Tracks at west end PFE Yard.

ABS Between MP 985.3 and MP 986.6 on both tracks;
On Trk. 1 ABS is in effect in the westward direction between MP 734.3 and MP 732.5 and in both directions between MP 737.4 and MP 734.3.
On Trk. 2 ABS is in effect in both directions between MP 732.5 and MP 737.4.

Yard Limits Between MP 985.3 and MP 986.6 on Trks. 1&2;
MP 732.5 and MP 737.4 on Trk. 2.

Rule 9.14 Applies between MP 732.5 and MP 737.4 on Trk. 1.

Rule 9.15 Applies between MP 732.5 and MP 737.4 on Trk. 1;
Both tracks MP 985.3 and MP 986.6..

SI-02 MAXIMUM SPEED TABLE

Maximum Speed MPH

Between Mile Posts 986.6 and 732.7 Eastward	PSGR	FRT
(Except as Below)	**79**	**65**
732.5 and 733.0	25	25
733.0 and 737.6 - Trk.2	50	50
733.0 and 734.5 - Trk.1	25	25
734.5 and 737.6 - Trk.1	40	40
743.2 and 748.6	70	65
748.6 and 756.2	40	40
756.2 and 763.0	60	55
763.0 and 770.7	70	65
770.7 and 771.0	40	40
775.5 **	79+	55+
780.3 and 781.4	70	65
792.5 and 794.9	55	50
819.0 **	79+	55+
822.4 and 825.3	55	50
845.2 **	79+	55+
855.1 and 856.4	70	65
866.9 and 872.1	55	50
872.1 and 874.5	65	60
874.5 **	65+	55+
874.5 and 875.0	65	60
892.7 and 932.1	70	65
932.1 **	70+	55+
932.1 and 935.5	70	65
938.4 **	79+	55+
944.5 **	79+	55+
957.0 **	79+	55+
975.5 and 977.8	75	65
977.8 **	75+	55+

GILA SUBDIVISION (675)

Between Mile Posts 986.6 and 732.7 Eastward	PSGR	FRT
(Except as Below)	**79**	**65**
977.8 and 979.4	75	65
979.4 and 982.7	50	50
982.7 and 986.6	40	40
Between Mile Posts 986.6 and 732.7 Westward	**PSGR**	**FRT**
(Except as Below)	**79**	**70**
986.6 and 982.7	40	40
982.7 and 979.4	50	50
979.4 and 975.5	75	70
955.5 **	79+	55+
935.5 and 892.7	70	70
875.0 and 874.5	65	60
874.5 **	65+	55+
874.5 and 873.3	65	60
873.3 **	65+	50+
873.3 and 872.3	65	60
872.3 **	65+	55+
872.3 and 872.1	65	60
872.1 and 867.3	55	50
867.3 **	55+	45+
867.3 and 866.9	55	50
865.1 **	79+	55+
856.4 and 855.1	70	70
825.3 and 822.4	55	50
794.9 and 792.5	55	50
781.4 and 780.3	70	70
771.0 and 770.7	40	40
770.7 and 763.9	70	70
763.9 **	70+	55+
763.9 and 763.0	70	70
763.0 and 756.2	60	55
756.2 and 748.6	40	40
748.6 and 743.2	70	70
737.6 and 735.3	50	50
735.3 and 734.5	40	40
734.5 and 732.5	25	25

** Only freight trains exceeding 80 TPOB must comply with speed restriction. Speed restriction will not apply when signal at speed restriction location displays CLEAR.

SI-03 OTHER SPEED RESTRICTIONS

Maximum Speed	MPH
1. Thru Sidings & Turnouts	
Sidings Kino, Estrella & Theba	25
2. Dual Control Switch Turnouts	
South Yard Crossover MP 982.8	10
Turnout MP 979.4	50
Turnout MP 770.9 to Phoenix Sub. MP 770.7, MP 753.4	40
Turnout MP 979.4 - Trk. 2; MP 737.6	50
Turnout Phoenix Sub MP 979.7	25
3. Misc. Speed Restrictions	
Tucson: All tracks in South Yard, East Yard, Yuma, Trks. 029 & 030, West Yard, Yuma, all yard and Drill Tracks	5

SI-04 MAIN TRACK DESIGNATIONS

Two Main Tracks Between MP 732.5 and MP 737.4;
MP 753.5 and MP 770.0;
MP 979.4 and 986.6.

SI-05 MILE POST EQUATIONS

737.4 = 737.5
750.6 = 750.7
792.6 = 792.7
863.0 = 863.2
870.0 = 870.2

SI-06 DTC BLOCK LIMITS - None.

SI-07 ITEM 13 TRAIN DEFECT DETECTORS

(#)979.1	(#)888.4	(#)790.0
% 976.4	(#)878.7	% 787.5
% 971.6	% 873.0	% 780.4
(#)961.7	(#)865.0	(#)772.7
% 954.5	% 859.8	(#)758.2
% 947.7	(#)851.3	% 752.5
(#)941.4	% 843.1	(#)&740.2
% 930.8	(#)834.9	% 735.1 Trk.1
(#)922.0	(#)821.8	
% 912.5	% 815.6	
(#)902.0	(#)806.6	
% 893.6	% 796.6	

Detector MP 740.2 protects bridge at MP 732.3.

SI-08 RULES ITEMS

Rule 6.32.2 Toltec: Sound detector microphone located on mast 75 feet west of Toltec Road Crossing. Eastward trains stopping west of crossing MP 928.6 on Toltec siding, before starting must sound whistle to lower or keep crossing gates down.

Tucson: Movements over Congress Street crossing, South Yard, must stop at stop sign and wait for green arrow before proceeding across crossing.

Rule 7.6 Instructions for Applying Hand Brakes:

Yuma: Freight trains- five hand brakes on west end. All hand brakes must be released and air cut in before shoving cars to clear in Tracks 103, 104, 105,107, 108, and 109. After movement is completed, hand brakes must be reapplied.

East Yard: Freight trains- Five hand brakes on west end.

Tucson: Passenger trains - To prevent uncontrolled movement, rail skid must be placed under west end of train and a sufficient number of hand brakes on west end and two hand brakes on east end, unless outbound crew takes charge and engine remains attached.

Tucson and PFE Yard:
0-2500 tons - 10 hand brakes or half of the hand brakes in train (which ever is the least)
2501-4999 tons - 15 hand brakes
5000-7999 tons - 20 hand brakes
8000 tons and above - 25 hand brakes
All hand brakes are to be set on descending end.

Hand brakes will not be applied if outgoing crew takes charge of train on arrival, and inbound crew is advised by Yardmaster that engine is not to be detached and no switching is to be performed on the train. Hand brakes will not be applied if switch crew takes charge of the train on arrival.

Hand brakes on outbound trains must not be released until engine is coupled to train, air test completed, and blue sign removed.

Rule 7.7 Tucson: Cars must not be kicked or dropped on any track in South Yard.

Rule 9.6 PFE Yard, Cherry Ave: When signal displays a proceed indication over power derail on east or west lead, a movement will have seven

GILA SUBDIVISION (675)

minutes to occupy the established route. If no movement is made, signal will display STOP indication and after three additional minutes derail will return to derailing position.

Rule 9.17 Yuma - East Yard: Trains and engines may enter Trk. 2 between MP 732.5 and MP 737.4 at a hand throw switch only after receiving permission from train dispatcher. Before granting permission, the train dispatcher must know that signals governing movement onto Trk. 2 are set to display Stop indication. When granted permission, the requirement to line main track switch and wait 5 minutes will not apply.

Rule 31.1.2 PFE Yard: When engine is left unattended, hand brakes must be set on all units in consist.

SI-09 FRA EXCEPTED TRACKS

Yuma Yard: All yard tracks except 024, 027, 026 & 029.

Tucson: South yard track 125.

SI-10 BUSINESS TRACKS

Track Name	MP	STA. #'S
Blaisdell	746.6	SP549
Arizona Grain	903.9	SP398
Seco	921.0	SP375
Eloy	933.1	SP363
Avra	953.5	SP347

SI-11 INDUSTRIAL LEADS

Somerton Industrial Lead: 6.1 miles, MP 0.0 to MP 6.1
Entire Lead FRA Excepted Track.
Maximum gross weight - 120 Tons

Business Tracks	MP	Sta.#'s
Steam	6.1	SY006

SI-12 TONNAGE RESTRICTIONS/TPOB - None.

Tons Per Operative Brake:	Tons Per Dynamic Brake Axle:	Maximum Speed:
80+ to 100		60 MPH Eastward
		65 MPH Westward
100+ to 132		60 MPH Both directions
Over 132		45 MPH Both directions

Maximum gross weight: 158 Tons.

SI-13 TRAIN MAKE-UP RESTRICTIONS - None.

SI-14 MISC. INSTRUCTIONS

PFE Yard: Westward trains before departing PFE Yard must receive permission from yardmaster or his representative. Eastward freight trains arriving PFE Yard must not pass South yard crossover MP 982.8 without permission of yardmaster or his representative.

Rillito: Cars must not be kicked or dropped into Calmat Portland Cement Spur, and cars must not be left standing on this spur west of insulated joints at east end of circuit actuating highway crossing signals. Chains across crusher spur at each end of pit are secured by snaps to posts, and may be unfastened to move cars to or from pit. Chains must be fastened across track when there is no car spotted over pit.
Derail on crusher spur, located 80 feet east of crusher pit, must not be lined for movement into spur until it is known that track over pit is ready for the movement.

Yuma: Westward freight trains must stop short of crew change sign located 150' east of Yuma yard office for crew change unless otherwise notified by train dispatcher.

Operations on the following tracks is restricted to four axle locomotives:
Tucson: South Yard Lead Tracks 752 and 125. Only one engine and one car may be used when switching Track 752.

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Radio Display:
Picacho to Wellton -9696

Mile Post	Rule 6.3	CP #'s	WEST ▼ STATIONS ▲ EAST	Sta. #'s	Siding Feet
979.7	CTC		PICACHO T (17.7)	SP359	
962.0	DTC ABS		COOLIDGE (11.8)	LB377	
948.9			MAGMA (11.7)	LB389	5733
937.2			GERMANN (10.2)	LB400	8207
927.0			GILBERT (3.4)	LB411	
923.6			McQUEEN (1.8)	LB414	
921.8			MESA (7.4)	LB416	
914.4			TEMPE (3.3)	LB423	
911.1			KENDALL (4.1)	LB427	
907.0	YL ABS		PHOENIX YARD BTY (1.0)		
906.0			PHOENIX Y (2.0)	LB432	
904.0			23RD AVE PHOENIX Y (5.9)	LB434	
898.1	DTC ABS		FOWLER (2.4)	LB440	
895.7			TOLLESON (2.7)	LB442	
893.0			CASHION (3.3)	LB445	4825
889.7			LITCHFIELD (0.4)	LB447	
889.3			LITCHFIELD JCT. (13.6)	LB448	
875.7			BUCKEYE (10.0)	LB462	3707
865.7			DIXIE (4.4)	LB472	
861.3			ARLINGTON T (10.3)	LB476	3628
851.0			GILLESPIE (9.9)	LB487	
841.1			SADDLE (18.8)	LB497	
822.3			HYDER (19.8)	LB515	3688
802.5			KOFA (21.6)	LB545	
780.9			ROLL (10.9)	LB567	3453
770.7			WELLTON	SP526	

(208.4)

SI-01 MAIN TRACK AUTHORITY

CTC Between MP 979.7 and MP 962.2.

ABS Between MP 962.2 and MP 770.7.

DTC Between MP 899.0 and MP 770.7; MP 962.2 and MP 909.1.

Yard Limits Between MP 909.1 and MP 899.0.

SI-02 MAXIMUM SPEED TABLE

Maximum Speed Between Mile Posts 979.7 and 770.7	MPH
(Except as Below)	**60**
979.7 and 957.0	25
957.0 and 924.2	60
924.2 and 922.0	40
922.0 and 920.8	25
920.8 and 916.5	40
916.5 and 915.3	20
915.3 and 913.6	20
913.6 and 910.2	30
910.2 and 907.9	30
907.9 and 906.7	20
906.7 and 905.6	15
905.6 and 904.8	20
904.8 and 903.0	30
903.0 and 770.7	40

SI-03 OTHER SPEED RESTRICTIONS

Maximum Speed	MPH
1. Thru Sidings & Turnouts	
All sidings	10
2. Dual Control Switch Turnouts	
Turnout Trk. 1 MP 770.7	40
Turnout Picacho MP 979.7	25
3. Misc. Speed Restrictions	
Arlington (MP 859.3) Palo Verde Power Plant Lead	25
Movements within plant Engine Bell ringing	5
Copper Basin and Magma Railroad Yard Tracks at Magma	5

SI-04 MAIN TRACK DESIGNATIONS - None.

SI-05 MILE POST EQUATIONS

MP 960.7 = MP 962.0

SI-06 DTC BLOCK LIMITS

WEST	BLOCK NAME	EAST	WEST	BLOCK NAME	EAST
951.0	Coolidge	962.2	861.6	Buckeye	876.0
947.2	Magma	951.0	851.4	Arlington	861.6
936.3	Germann	947.2	822.7	Gillespie	851.4
921.0	Mesa	936.3	802.8	Hyder	822.7
909.1	Tempe	921.0	781.4	Kofa	802.8
893.5	Pipeola	899.0	770.7	Roll	781.4
876.0	Cashion	893.5			

SI-07 ITEM 13 TRAIN DEFECT DETECTORS

% 975.6	(#)890.5	# 798.0
(#)969.9	% 880.0	(#)775.7
(#)953.0	(#)873.5	
(#)941.6	# 856.5	
(#)927.5	(#)836.5	
(#)911.0	(#)816.5	
% 899.0	% 808.9	

PHOENIX SUBDIVISION (685)

SI-08 RULES ITEMS

Rule 6.32.1 A member of crew must precede all movements over:
Phoenix: Zeb Pearch track No. 702 over Lincoln Street.
Pipeola: Crossing within SFP Pipe Line reservation.

Rule 8.3 Phoenix: Crossover switches between main track and working limit at east end of Phoenix yard, MP 907.9 and main track switch at east end of track 113 and MP 901.6 may be left lined and locked for other than main track.

Rule 9.3 Phoenix BNSF Crossing MP 905.4: Westward: When signal governing movement over crossing displays stop and proceed indication, after stopping train or engine may move toward crossing but must stop at least 50 feet before fouling crossing and not proceed until a member of the crew determines that conflicting route is clear and both derails are in derailing position.

Eastward: When signal governing movement over crossing displays stop and proceed indication, train or engine must stop short of signal and not proceed past signal or over crossing until member of crew determines that conflicting route is clear and both derails are in derailing position.

Rule 16.2 Not more than 1 directional DTC authority will be issued in the following DTC blocks:
ROLL
KOFA
HYDER
GILLESPIE
ARLINGTON

SI-09 FRA EXCEPTED TRACKS

Phoenix: All tracks in Yards 2, 4, 5 and 7. Yard 6 Tracks 710, 711, 712 and 190.

SI-10 BUSINESS TRACKS

Track Name	MP	STA. #'S
Randolph	966.4	LB373
Higley	932.0	LB405
Aristuc	909.4	LB429
Campo	902.0	LB435
Cotpro	900.8	LB436
Pipeola	900.4	LB437
Horn	812.4	LB525
Growler	793.0	LB555

SI-11 INDUSTRIAL LEADS

Tempe Industrial Lead: 7.7 miles. MP 915.3 to MP 923.0. Entire Lead FRA Excepted Track.

Business Tracks	MP	Sta.#'s
Peterson	917.7	UO202
Helena	919.2	UO203
West Chandler	923.0	UO207

Litchfield Industrial Lead: 5.4 miles. MP 889.3 to MP 892.2.

Chandler Industrial Lead: 19.6 miles. MP 923.6 to MP 943.2. Maximum speed 20 MPH.

Business Tracks	MP	Sta.#'s
Chandler	929.3	UO007
Dock	943.2	UO016

SI-12 TONNAGE RESTRICTIONS/TPOB

Maximum gross weight - 158 Tons

SI-13 TRAIN MAKE-UP RESTRICTIONS

Maximum train length for trains operating on Phoenix Subdivision is 8,000' including locomotives.

SI-14 MISC. INSTRUCTIONS

Phoenix Yard: Freight trains must receive permission from Yardmaster or his representative before entering or departing yard.

Freight trains or engines leaving Phoenix yard to enter DTC must receive permission to depart Phoenix Yard from train dispatcher and Yardmaster.

Magma: Operation over east or west leg of wye is restricted to 4 axle locomotives.

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