

Division Managers

Belen

C.J. WITT Road Foreman (505) 864-5165

Flagstaff

C.E. GILLIAM Roadmaster (520) 556-2712

R.M. RENNER Asst. Division Engineer (520) 556-2760

C.W. SCHIELE Division Engineer (520) 556-2753

Grants

A.C. RICHARDSON ... Roadmaster (520) 289-7510

Gallup

T.C. BLACKARD Trainmaster (505) 722-2784

Kingman

S.L. MARINO Roadmaster (520) 289-7226

Needles

M.W. BROWN Trainmaster (760) 326-5446

D.G. CRAWFORD Road Foreman (760) 326-5415

Phoenix

J.C. COFFEY Trainmaster (602) 382-5802

J.W. GRAGE Roadmaster (602) 382-5803

J.F. LOY Supt. Operations (602) 382-5828

P.F. THOMAS Road Foreman (602) 382-5805

R.E. WILSON Trainmaster (602) 382-5802

K.R. WYNNE Trainmaster (602) 382-5802

Winslow

M.E. BLACKWELL Gen. Equip, Foreman (520) 289-7220

W.R. BRYANT Road Foreman (520) 289-7361

S.T. FASICK Trainmaster (520) 289-7788

K. CHAPA Trainmaster (520) 289-7366

S.T. HERNADEZ Trainmaster (520) 289-7780

G.J. KONECNY Supt. Operations (520) 289-7273

L.D. RAMSEY Trainmaster (520) 289-7272

L.A. REYES Roadmaster (520) 289-7256

D.F. RIKER Director Administration (520) 289-7275

B.W. SHUMWAY Manager of Safety (520) 289-7290

BNSF



Arizona Division

Timetable No. 3

IN EFFECT AT 0700

Mountain Continental Time

Thursday February 24, 2000

Division Superintendent

B. Hunter Jr.

Winslow, Arizona

(520) 289-7262

The Burlington Northern and Santa Fe Railway Company Arizona Division



WESTWARD ↓	Length of Siding (Feet)	Station Nos.	Mile Post	Coronado Subdivn.		Rule 4.3	Type of Oper.	Line Segment	Miles to Next Stn.	EASTWARD ↑
				MAIN LINE STATIONS						
			0.0	EAST CORONADO JCT.			CTC		0.7	
			0.7	PLATT			TWC	7204	19.6	
	20550	20.3	SALT RIVER			19.2				
	20552	39.5	TEPCO JCT		A	5.9				
	20555	45.4	CORONADO		R	45.4				

Tone Call-In						
RADIO COMMUNICATION	CH	DS	SC	MC	CSS	EM-ER
East Coronado Jct. to Coronado	72	1	3	4	5&7	9

1. Speed Regulations

1(A). Speed—Maximum

	Freight
East Coronado Jct. to Platt	30 MPH.
Platt to MP 42.5	49 MPH.%
MP 42.5 to MP 44.0	15 MPH.
MP 44.0 through dumper	4 MPH.
MP 44.1 to MP 45.4	15 MPH.
West leg of wye at Platt	30 MPH.

1(B). Speed—Permanent Restrictions—None

1(C). Speed—Switches and Turnouts

Trains and engines using auxiliary tracks must not exceed turnout speed for that track unless otherwise indicated.	
East Coronado Jct., switch to Main 2	40 MPH.
West Coronado Jct., switch to Main 2	40 MPH.
Platt, switch to west leg of wye	30 MPH.
Tepeco Jct., switch to Springerville Subdiv.	40 MPH.
Coronado, spring switch—Coronado Loop track	10 MPH.

1(D). Speed—Other

Locomotive cranes/pile drivers	25 MPH.
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See Item 1 of the System Special Instructions for additional speed restrictions.

2. Bridge and Equipment Weight Restrictions

Maximum Gross Weight of Car

East Coronado Jct. to Coronado 143 tons, restriction A

3. Type of Operation

CTC—in effect:

East Coronado Jct. to Platt, and on west leg of wye, Platt.

TWC—in effect:

Platt to Coronado

Restricted Limits—in effect:

Coronado—MP 42.5 to MP 45.4

4. General Code of Operating Rules Items—None

5. Trackside Warning Detectors (TWD)—None

6. FRA Excepted Track—None

7. Special Conditions

Tepeco Jct.—Be governed by superintendents notice for operation of dual control switch and circuit controller box.

Overhead and Side Obstructions—Dumper at MP 44.0.

8. Line Segments

Road Line Segments

Line Segment Limits

Mile Posts

7204 E. Coronado Jct. to Coronado MP 0.0 to 45.4

9. Locations Not Shown as Stations

Name	Mile Post Location	Capacity Feet	Switch Opens
Salt River Storage	20.3	514	Both
Coronado Generating Station	42.6	5,882	East

WESTWARD ↓	Length of Siding (Feet)	Station Nos.	Mile Post	Defiance Subdivision		Type of Oper.	Line Segment	Miles to Next Stn.	EASTWARD ↑	
				MAIN LINE STATIONS						
		20590	21.7	P&M NORTH	R	TWC	7203	8.2		
		20588	13.5	P&M SOUTH					1.0	
6,200	20586	12.5	P&M SIDING						9.5	
	20584	3.0	CARBON JCT.	R					1.0	
5,920	20583	2.0	MENTMORE	R					1.4	
		0.6	DEFIANCE	R					0.6	
	20595	0.0	EAST DEFIANCE		CTC				21.7	

RADIO COMMUNICATION	Tone Call-In					
	CH	DS	SC	MC	CSS	EM-ER
P&M North to East Defiance	72	1	3	4	5&7	9

1. Speed Regulations

1(A). Speed—Maximum

	Freight
East Defiance to Defiance	30 MPH.
Defiance to MP 20.3	25 MPH.
MP 20.3 to MP 21.7	10 MPH.

1(B). Speed—Permanent Restrictions—None

1(C). Speed—Switches and Turnouts

East Defiance—switch to Main 1	30 MPH.
West Defiance—switch to Main 1	30 MPH.
Defiance—switch to west leg of wye	30 MPH.

1(D). Speed—Other

Locomotive cranes/pile drivers and Jordan spreaders 20 MPH.

See Item 1 of the System Special Instructions for additional speed restrictions.

2. Bridge and Equipment Weight Restrictions

Maximum Gross Weight of Car

P&M North to East Defiance 143 tons, Restriction A

3. Type of Operation

CTC—in effect:

Between East Defiance and Defiance, and on West leg of wye, Defiance.

TWC—in effect:

Between Defiance and P&M North.

Restricted Limits—in effect:

P&M North—MP 19.0 to MP 21.7

Carbon Jct.-Defiance—MP 0.6 to MP 3.0

Signals Not Conforming to Aspects and Indications Shown in the System Special Instructions

Aspect	Name	Indication
Red over Flashing Yellow	Diverging Approach (Rule 9.1.11 does not apply)	Proceed through diverging route; prescribed speed through turnout; approach next signal preparing to stop, if exceeding 40 MPH immediately reduce to that speed.

4. General Code of Operating Rules Items—None

5. Trackside Warning Detectors (TWD)—None

6. FRA Excepted Track—None

7. Special Conditions

P&M North—Normal position for loop track switch is lined for clockwise movement.

Six Axle Locomotive Restrictions—Six-axle locomotives are restricted from operating on the following auxiliary tracks: 1673 and 1674.

Overhead and Side Obstructions

Defiance Spur—P&M Loading Tipple, CLIC Tracks 1663 and 1670, and Navajo Forest Products Warehouse, CLIC 1669.

8. Line Segments

Road Line Segment

Line Segments Limits

7203 Defiance to P&M Mine

9. Locations Not Shown as Stations

Name	Mile Post Location	Capacity Feet	Switch Opens
Mentmore Storage	1.5	5,880	Both
Carbon Coal Loop	3.0	10,511	West
P&M South Mine	13.5	4,100	West

WESTWARD ↓	Length of Siding (Feet)	Station Nos.	Mile Post	Ennis Subdivision MAIN LINE STATIONS			Miles to Next Stn.	EASTWARD ↑
				Rule 4.3	Type of Oper.	Line Segment		
		19578	0.0	ENNIS	R		1.1	
		19594	1.1	GOLDBADGE	R		2.3	
			3.4	SUN VALLEY	R		0.9	
	1,050	19598	4.3	BUMSTEAD	R		1.0	
		19602	5.3	WEBB SPUR	R	7209	0.7	
	1,328		6.0	CALGAS	R		0.5	
	3,230		6.5	REAMS	R		1.1	
		19608	7.6	WAYNE	R		1.4	
		19616	9.0	FENNEMORE	R		9.0	

Tone Call-In						
RADIO COMMUNICATION	CH	DS	SC	MC	CSS	EM-ER
Ennis to Fennemore	36	1	3	4	7	9

1. **Speed Regulations**
 - 1(A). **Speed—Maximum**

Freight

Ennis Subdivision 10 MPH.
 - 1(B). **Speed—Permanent Restrictions—None**
 - 1(C). **Speed—Switches and Turnouts—None**
 - 1(D). **Speed—Other—None**
2. **Bridge and Equipment Weight Restrictions**

Maximum Gross Weight of Car

Ennis to Fennemore 143 tons, Restriction D
3. **Type of Operation**

Restricted Limits—in effect:

MP 0.0 to MP 9.0 Ennis to Fennemore
4. **General Code of Operating Rules Items—None**
5. **Trackside Warning Detectors (TWD)—None**
6. **FRA Excepted Track—None**
7. **Special Conditions**

Six-axle locomotives are restricted from operating on the Ennis Subdivision.
8. **Line Segments**

Road Line Segments

Line Segment Limits

7209 Ennis to Fennemore
9. **Locations Not Shown as Stations—None**

WESTWARD	Length of Siding (Feet)	Station Nos.	Mile Post	Gallup Subdivision MAIN LINE STATIONS		Rule 4.3	Type of Oper.	Line Segment	Miles to Next Stn.	EASTWARD
			0.0	BELEN JCT.	BCT		6MT CTC		5.5	
			5.5	CP 55					4.6	
S5,314	20870	10.1-27.4		DALIES			2MT CTC		8.7	
	20862	33.9		RIO PUERCO			ATS	(1)13.3 (2)14.4		
S6,768	20840	47.2		SUWANEE				11.5		
	20830	58.7		MARMON				12.1		
	20810	71.1		LAGUNA			2MT CTC	11.6		
	20784	82.7		McCARTYS				12.1		
S6,620	20770	94.3		EAST GRANTS				4.0		
N5,842		98.3		WEST GRANTS				8.9		
S5,844 N6,758	20750	107.2		BLUEWATER				6.1		
	20720	113.3		EAST BACA	T			1.5		
		114.8		WEST BACA	T			(1) 2.9		
	20705	117.7		EAST PEGS	T			(1)0.8 (2)10.8		
		118.5		WEST PEGS	T			(1)7.1		
S7,128	20690	125.6		THOREAU	T		2MT CTC	3.2		
	20680	128.8		GONZALES			ATS	(1)15.9 (2)14.4		
	20640	143.0		PEREA				6.3		
S5,270	20620	149.3		McCUNE				2.3		
N8,534	20610	151.6		ZUNI				4.9		
		156.5		EAST GALLUP				1.1		
	20600	157.6		GALLUP	BPT			3.7		
		161.3		WEST GALLUP				3.7		
	20595	165.0		EAST DEFIANCE				2.0		
		167.0		WEST DEFIANCE	T			13.4		
N6,737	20580	180.4		LUPTON	X		DT TWC	10.8		
N7,220 S6,750	20575	191.2		HOUCK	X		ABS	8.0		
S5,259	20570	199.7		CHETO	X		ATS	15.0		
		214.8		EAST CORONADO JCT.	T			1.1		
		215.9		WEST CORONADO JCT.	T		2MT CTC	3.3		
N6,437 S7,107	20540	219.2		PINTA	X			13.1		
N6,769 S5,718	20535	232.3		ADAMANA	X			20.5		
N6,820 S5,687	20525	253.0		HOLBROOK	PX		DT TWC	5.6		
S7,505	20515	258.6		PENZANCE			ABS	3.8		
S3,599	20510	262.4		JOSEPH CITY	X			12.4		
N7,155 S5,621	20505	274.8		HIBBARD	X			9.7		
	20500	284.5		EAST WINSLOW Main 1 (270.0) Main 2 (269.6)	BCT		2MT CTC	270.0		

RADIO COMMUNICATION	Tone Call-In					
	CH	DS	SC	MC	CSS	EMER
El Paso Jct. Belen Jct.	50	1	3	4	5&7	9
El Paso Jct. to MP 1.5	50	1	3	4	5&7	9
MP 1.5 to Gallup	36	1	3	4	5&7	9
Gallup to East Winslow	72	1	3	4	5&7	9
Gallup Yard	84	1	3	4	5&7	9

From Belen Jct. to Dalies is under the jurisdiction of the New Mexico Division.

1. Speed Regulations

1(A). Speed—Maximum

	Passenger	Freight
Belen Jct. to Dalies		55 MPH*%.
Main 2		
Dalies to Marmon	90 MPH.	55 MPH*%.
Marmon to Gonzales	79 MPH.	55 MPH*%.
Gonzales to Gallup (westward only)	90 MPH.	55 MPH*%.
Gallup to Gonzales (eastward only)	79 MPH.	55 MPH*%.
Gallup to East Winslow	90 MPH.	55 MPH*%.

Main 1		
East Winslow to Gallup	90 MPH.	55 MPH*%.
Gallup to Gonzales	79 MPH.	55 MPH*%.
Gonzales to MP 85.9 (eastward only)	90 MPH.	55 MPH*%.
Gonzales to MP 85.9 (westward only)	79 MPH.	55 MPH*%.
MP 85.9 to Marmon	79 MPH.	55 MPH*%.
Marmon to Dalies	90 MPH.	55 MPH*%.

Against Current of Traffic		
West Defiance to East Coronado Jct.	59 MPH.	49 MPH*%.
West Coronado Jct. to East Winslow	59 MPH.	49 MPH*%.

Pegs Spur		
Both legs of wye—MP 0.0 to 0.8		40 MPH.
MP 0.8 to MP 2.6		20 MPH.
MP 2.6 to MP 4.3		15 MPH.
Dumper to MP 3.9		4 MPH.

*See System Special Instruction 1(B)

Freight trains on descending grades, with dynamic brakes not in use, must not exceed:

Westward	
MP 130.4 to MP 135.5, Main 2	
Eastward	
MP 10.0 to MP 0.2	30 MPH.

1(B). Speed—Permanent Restrictions

At Belen	Passenger	Freight
MP 894.8 to MP 895.4 (Track No. 5)		30 MPH.
MP 897.2 to MP 897.3 (Tracks No. 1, No. 2, and No. 3) HER		10 MPH.

Main 2—New Mexico Division		
MP 0.1 to MP 0.5		30 MPH.
MP 6.7 to MP 10.2		55 MPH.

Main 2—Arizona Division		
MP 27.5A to MP 32.5	70 MPH.	65 MPH.
MP 36.8X to MP 45.0X	70 MPH.	65 MPH.
MP 59.1 to MP 60.1	65 MPH.	60 MPH.
MP 60.1 to MP 61.2	55 MPH.	50 MPH.
MP 61.2 to MP 62.9 protected by inert		

ATS inductors	50 MPH.	45 MPH.
MP 62.9 to MP 66.0	70 MPH.	65 MPH.
MP 66.0 to MP 66.7	60 MPH.	55 MPH.
MP 66.7 to MP 67.8	70 MPH.	65 MPH.
MP 83.9 to MP 88.0	60 MPH.	55 MPH.
MP 88.0 to MP 91.0	70 MPH.	65 MPH.
MP 129.4 to MP 130.2 (westward only)	80 MPH.	
MP 149.7 to MP 150.1 (westward only)	80 MPH.	
MP 154.6 to MP 156.8 (westward only)	85 MPH.	
MP 156.8 to MP 157.6	65 MPH.	30 MPH.
MP 157.6 to MP 157.9 (HER)	30 MPH.	30 MPH.
MP 157.6 to MP 158.3	45 MPH.	30 MPH.
MP 160.7 to MP 160.9	80 MPH.	
MP 166.4 to MP 166.7	85 MPH.	
MP 188.4 to MP 188.9	80 MPH.	
MP 213.2 to MP 219.2	80 MPH.	
MP 228.0 to MP 228.3	85 MPH.	
MP 249.5 to MP 252.1	80 MPH.	
MP 253.1 (HER)	70 MPH.	
MP 264.2 to MP 264.4	80 MPH.	
MP 284.6 to MP 285.5	65 MPH.	55 MPH.

Main 1—Arizona Division		
MP 285.5 to MP 284.6	65 MPH.	55 MPH.
MP 264.4 to MP 264.2	80 MPH.	
MP 253.1 (HER)	70 MPH.	
MP 252.1 to MP 249.5	80 MPH.	
MP 219.2 to MP 213.2	80 MPH.	
MP 188.9 to MP 188.4	80 MPH.	
MP 166.7 to MP 166.4	85 MPH.	
MP 160.9 to MP 160.7	80 MPH.	
MP 158.3 to MP 157.6	45 MPH.	30 MPH.
MP 157.9 to MP 157.6 (HER)	30 MPH.	30 MPH.

	Passenger	Freight
MP 157.6 to MP 156.8	65 MPH.	50 MPH.
MP 136.4X to MP 133.4X	60 MPH.	55 MPH.
MP 130.7X to MP 129.9X	60 MPH.	55 MPH.
MP 127.8 to MP 127.5 (eastward only)	80 MPH.	
MP 109.7 to MP 105.0 (eastward only)	80 MPH.	
MP 102.3 to MP 101.8 (eastward only)	85 MPH.	
MP 91.0 to MP 88.0	70 MPH.	65 MPH.
MP 88.0 to MP 83.9	60 MPH.	55 MPH.
MP 67.8 to MP 66.7	70 MPH.	65 MPH.
MP 66.7 to MP 66.0	60 MPH.	55 MPH.
MP 66.0 to MP 62.9	70 MPH.	65 MPH.
MP 62.9 to MP 61.2 protected by inert		
ATS inductors	50 MPH.	45 MPH.
MP 61.2 to MP 60.1	55 MPH.	50 MPH.
MP 60.1 to MP 59.1	65 MPH.	60 MPH.
MP 39.1 to MP 38.6	85 MPH.	
MP 32.4 to MP 27.5A	70 MPH.	65 MPH.
MP 27.5 to MP 27.4	50 MPH.	40 MPH.
Main 1—New Mexico Division		
MP 10.2 to MP 10.0		40 MPH.
MP 10.0 to MP 9.6		50 MPH.
MP 9.6 to MP 8.4		55 MPH.
MP 8.4 to MP 6.7		65 MPH.
MP 0.5 to MP 0.1		30 MPH.

1(C). Speed—Switches and Turnouts

Trains and engines using auxiliary tracks must not exceed turnout speed for that track unless otherwise indicated.

MP 915.0, Isleta, turnout to El Paso Subdivision	40 MPH.
MP 895.6, El Paso Jct. all switches (except entering yard)	30 MPH.
MP 897.6, Belen Jct., all switches (except entering yard)	30 MPH.
Belen Jct., all dual control switches (except entering yard at 7110 or 7112 leads)	30 MPH.
Entering yard at 7110 lead, dual control switch	10 MPH.
Entering yard at 7112 lead, dual control switch	10 MPH.
Crossover, MP 0.5	50 MPH.
CP 55, two crossovers	50 MPH.
Dalies, MP 27.4	40 MPH.
Crossover, MP 27.5	40 MPH.
Crossover, MP 27.6	50 MPH.
Rio Puerco, two crossovers, MP 33.9	50 MPH.
Suwanee, two crossovers, MP 47.2	50 MPH.
Marmon, two crossovers, MP 58.7	50 MPH.
Laguna, two crossovers, MP 71.1	50 MPH.
McCartys, two crossovers, MP 82.7	50 MPH.
East Grants, crossover, MP 94.3	50 MPH.
West Grants, crossover, MP 98.3	50 MPH.
East Baca, crossover, MP 113.3	50 MPH.
Switch to east leg of wye, MP 113.4	40 MPH.
West Baca, switch to west leg of wye, MP 114.7	40 MPH.
Crossover, MP 114.8	50 MPH.
East Pegs, switch to east leg of wye, MP 117.7	40 MPH.
West Pegs, switch to west leg of wye, MP 118.5	40 MPH.
Pegs, stem of wye	40 MPH.
Gonzales, two crossovers, MP 128.9	50 MPH.
Perea, two crossovers, MP 142.9	50 MPH.
East Gallup, crossover, MP 156.4	40 MPH.
Crossover, MP 156.5	50 MPH.
EE Freight Lead, MP 156.6	20 MPH.
West Gallup, two crossovers, MP 161.3	50 MPH.
WE freight lead, MP 161.2	20 MPH.
East Defiance, crossover, MP 165.1	50 MPH.
East leg of wye, MP 165.3	30 MPH.
EE Storage No. 1, MP 165.4, electric switch lock	30 MPH.
WE Storage No. 1, MP 165.9, electric switch lock	30 MPH.
West Defiance, west leg of wye, MP 166.9	30 MPH.
Crossover, MP 167.0	50 MPH.
Lupton, Crossovers, MP 180.1, RH Facing Point	10 MPH.
Houck, Crossovers, MP 190.6, LH Trailing Point	10 MPH.
Houck, WE south siding and EE north siding	20 MPH.
East Coronado Jct., crossover, MP 214.8	50 MPH.
Switch to east leg of wye, MP 214.8	40 MPH.
West Coronado Jct., switch to west leg of wye, MP 215.8	40 MPH.
Crossover, MP 215.8	50 MPH.
Crossovers, MP 242.4, RH Facing Point	10 MPH.
Hibbard, EE North Siding	20 MPH.
East Winslow, Crossover, MP 284.5	50 MPH.
Crossover, MP 284.7	50 MPH.

East Freight Lead, MP 284.8	20 MPH.
Main 2, MP 284.9	50 MPH.
East Pass Yard Track No 1, MP 285.3	20 MPH.

1(D). Speed—Other

Bridges 72.5, 74.53, 123.8, 155.2—Cars heavier than 143 tons

Temperature 100 degrees or above—When air temperature meets the “threshold temperature”, all trains must reduce speed to 40 MPH on main tracks through these limits unless a more restrictive speed is in effect.

If in doubt as to the temperature, contact the train dispatcher. Notify the train dispatcher when your train is restricted to 40 MPH.

<u>Limits</u>	<u>Threshold Temperature</u>	<u>Speed</u>
MP 2.2 to MP 9.4	100 degrees	40 MPH
MP 38.5 to MP 45.9, Main 1	100 degrees	40 MPH
MP 119.0 to MP 124.1,		
Main 1	100 degrees	40 MPH
MP 130.5 to MP 132.5	100 degrees	40 MPH

See Item 1 of the System Special Instructions for additional speed restrictions.

2. Bridge and Equipment Weight Restrictions
Maximum Gross Weight if Car

Belen Jct to East Winslow

Six-axle locomotives are restricted from operating on the following tracks:

Suwanee	7382
Laguna	7482
Grants	7752, 7753, and 7766
Reid	7801, 7802, 7803, 7804, 7805 and 7812
Thoreau	8061, 8063, 8064, 8065 and 8066
Ciniza	Ciniza Spur 8190
Wingate	8261 and 8262
Zuni	1513, 1514, 1515, 1517, 1518, 1519, 1520 and 1521
Gallup	Gamerco tracks, 1615, 1616, 1617, 1608 and 1609 Yard Tracks, 1606-1613
Houck	1922
Pinta	2192
Holbrook	8538 and 8539
Winslow,	
Duke City Lumber	2945

3. Type of Operation

CTC—in effect:

Between Belen Jct. and West Defiance.

Between East Coronado Jct., and West Coronado Jct., at East Winslow, on both legs of wye at Pegs.

TWC—in effect:

On double track between West Defiance and East Coronado Jct.

Between West Coronado Jct. and East Winslow.

Restricted Limits—in effect:

No. 4 Track—MP 895.6 to MP 897.5

No. 5 Track—MP 895.3 to MP 896.9

No. 6 Track—MP 895.7 to MP 896.9

Crews originating at Belen or Winslow and scheduled to operate between West Defiance and East Winslow are required to obtain a track warrant listing bulletins and a track warrant with authority before leaving terminal, unless otherwise instructed by train dispatcher.

4. **General Code of Operating Rules Items**

Rule 5.4.8—Flags may be displayed, when necessary to protect men and machines or affected track, to the left of track as viewed from an approaching train or engine.

Rule 5.5—Permanent speed signs are not displayed for movements against current of traffic.

Rule 6.17—Normal position of main track switches within restricted limits Belen will be left lined as last used.

Rule 6.24—in double track territory, trains will keep to the left when operating with the current of traffic:

- West Defiance to East Coronado Jct.
- West Coronado Jct. to East Winslow

Rule 6.25—Movement Against the Current of Traffic:

Spring switches are located as follows:

Pinta	WE South Siding and EE North Siding
Adamana	WE South Siding and EE North Siding
Holbrook	WE South Siding
Penzance	WE South Siding
Hibbard	EE North Siding

Rule 12.1—ATS in effect on both tracks between Dalies and Marmon, in both directions; on Main 2 between Gonzales and East Winslow, westward movements only; on Main 1 between East Winslow and Gallup, eastward movements only; and on Main 1 between Gonzales and MP 85.9, eastward movements only.

Rule 14.10—Report clear of track warrant limits by one of the following:

1. After entire train has cleared track warrant limits, report clear of limits to train dispatcher using radio.
2. If unable to contact the train dispatcher via radio and train arrives the terminal, call the train dispatcher by telephone at 8-234-2309 and release your track warrant.
or
3. If unable to contact the train dispatcher via radio and train arrives at the terminal, call the train dispatcher's voice mail at 8-234-1755, release your track warrant, then complete the "limits reported clear at ____ by ____" section at the bottom of the track warrant and fax it to the train dispatcher at 8-234-2409.

Signals Not Conforming to Aspects and Indications Shown in the System Special Instructions

Aspect	Name	Indication
Red over Flashing Yellow	Diverging Approach (Rule 9.1.11 does not apply).	Proceed through diverging route; prescribed speed through turnout; approach next signal preparing to stop, if exceeding 40 MPH immediately reduce to that speed.

5. **Trackside Warning Detectors (TWD)**

- A. Protecting bridges, tunnels or other structures: None
- B. Other TWD locations
 - MP 28.3—Recall Code 8
 - MP 44.5—Recall Code 0
 - MP 45.7X—Recall Code 0
 - MP 65.8—Recall Code 8
 - MP 90.5—Recall Code 8
 - MP 111.1—Recall Code 8
 - MP 131.3X—Main 1—Bidirectional—Recall Code 8
 - MP 131.3—Main 2—Bidirectional—Recall Code 0
 - MP 153.9—Recall Code 8
 - MP 176.9—Recall Code 8
 - MP 202.4—Recall Code 8

- MP 225.2—Recall Code 8
- MP 247.4—Recall Code 8
- MP 270.4—Both Tracks—Bidirectional—Recall Code 8

C. **Other Detectors**

- MP 69.8 and MP 70.1—High Water
 - WWD signals 681 and 683
 - EWD controlled signals Laguna MP 71.2
- MP 72.6—High Water—Signals 721, 723, 752 and 754
- MP 91.5—High Water—Signals 901, 903, 922 and 924
- MP 141.8X—High Water
 - Signal 1411 and EWD controlled signals Perea
- MP 150.5—High Water
 - Signals 1481, 1483, 1502 and 1504
- MP 174.8—Rock Slide
 - Signals 1741, 1752
 - Rotating red warning lights at MP 174.8 and MP 175.1
- MP 239.4—High Water—Signals 2391 and 2392
- MP 908.7—High Water
 - EWD signal 9092
 - WWD controlled signal MP 906.4

6. **FRA Excepted Track**—None

7. **Special Conditions**

Belen Jct.—Trains will be governed by Clovis Subdivision Timetable and Special Instructions.

Pegs—Normal position for loop track switch is lined for clockwise movement.

Overhead and Side Obstructions

1. Belen, overhead foot bridge MP 932.8.
2. Reid, metal loading platform and ramps, Koch Sulphur Products, North Side, CLIC 7801, east end.
Reid, under-track auger installed on south spur MP 101.5. Watch your footing.
3. Pegs, dumper MP 3.9.
4. Ciniza, Giant Refinery, along east and west loading tracks, concrete foundation and metal stairway.
5. Wingate, loading rack, CLIC 8262, at Chemstam.
6. Thoreau, under-track hopper and belt conveyor permanently installed on Rock Track, CLIC 8051. Watch your footing.

Flash Flood Warnings—The following locations have been identified as "critical areas" subject to flash floods and washouts as outlined in System Special Instructions, Item 31:

- MP 66.0 to MP 67.0
- MP 83.5 to MP 84.5, Main 1
- MP 140.8 to MP 141.4, Main 2
- MP 147.9 to MP 148.0
- MP 164.9 to MP 169.0, Main 1
- MP 171.4 to MP 175.3, Main 2
- MP 177.3 to MP 178.3, Main 2
- MP 194.6 to MP 198.5, Main 2
- MP 203.9 to MP 204.5, Main 2
- MP 248.0 to MP 249.0, Main 2
- MP 264.0 to MP 265.0, Main 2

8. **Line Segments**

Yard Line Segments

Line Segment	Yard
7355	Belen Yard
7250	Gallup Yard
7251	Winslow yard

Road Line Segments

Line Segment	Limits	Mile Posts
7200	Belen Jct. to Dalies	0.0 to 10.0
7200	Dalies to Winslow	27.4 to 284.5

9. Locations Not Shown as Stations

Name	Mile Post Location	Capacity Feet	Switch Opens
Main 1			
Rio Puerco	34.2	852	Both
Garcia	42.2	1,254	East
Suwanee	45.8	3,220	Both
Quirk North Set Out	63.5	931	East
Laguna	67.9	2,649	Both
Acomita	76.3	1,490	Both
Anzac	86.5	488	East
Reid	100.7	4,944	Both
West Baca	114.1	1,000	Both
North Guam	136.7	972	Both
Wingate	146.5	2,277	Both
Chambers	205.9	3,455	Both
Navajo	213.3	2,247	Both
Arntz	245.2	584	East
Main 2			
Garcia	42.2X	1,054	East
Quirk South Set Out	63.5	458	East
Laguna	69.7	2,550	East
Anzac	86.1	2,059	Both
Reid	101.6	384	West
West Baca	114.4	1,000	Both
South Guam	136.2	3,440	West
Ciniza	138.9	3,093	Both
Chambers	206.1	1,829	West
Arntz	245.9	737	West

WESTWARD ↓	Length of Siding (Feet)	Station Nos.	Mile Post	Lee Ranch Subdivn.		Rule 4.3	Type of Oper.	Line Segment	Miles to Next Stn.	EASTWARD ↑
				MAIN LINE STATIONS						
		20745	15.4X	LEE RANCH	R			7202	15.4	
		20740	0.0X 27.3	LEE RANCH JCT.				7201	10.2	
		20736	17.1	AMBROSIA			TWC		12.1	
		20730	5.0	ESCALANTE JCT.					4.1	
			0.9	BACA					0.9	
			0.0	WEST BACA			CTC		42.7	

Tone Call-In						
RADIO COMMUNICATION	CH	DS	SC	MC	CQS	EM-ER
Lee ranch to West Baca	36	1	3	4	5&7	9

1. Speed Regulations

1(A). Speed—Maximum

	Freight
West Baca to Baca	40 MPH.
Baca to Lee Ranch MP 13.5X	49 MPH.%

1(B). Speed—Switches and Turnouts—None

1(C). Speed—Switches and Turnouts

Trains and engines using auxiliary tracks must not exceed turnout speed for that track unless otherwise indicated.

West Baca—switch to Main 1	40 MPH.
East Baca—switch to Main 1	40 MPH.
Baca—switch to east leg of wye	40 MPH.
Baca wye storage—WE storage 0.9	30 MPH.
Baca wye storage—EE storage 2.2 spring switch	30 MPH.

1(D). Speed—Other

Locomotive cranes/pile drivers and Jordan spreaders	25 MPH.
East leg of wye—Baca	40 MPH.
Escalante Spur	15 MPH.

See Item 1 of the System Special Instructions for additional speed restrictions.

2. Bridge and Equipment Weight Restrictions
Maximum Gross Weight of Car

Lee Ranch to West Baca 143 tons, Restriction A

3. Type of Operation

CTC—in effect:
Between West Baca and Baca and on east leg of wye Baca.

TWC—in effect:
Between Baca and Lee Ranch.

Restricted Limits—in effect:
Lee Ranch—MP 12.3X to MP 15.4.X

4. General Code of Operating Rules Items
Signals Not Conforming to Aspects and Indications Shown in the System Special Instructions

Aspect	Name	Indication
Red over Flashing Yellow	Diverging Approach (Rule 9.1.11 does not apply).	Proceed through diverging route; prescribed speed through turnout; approach next signal preparing to stop, if exceeding 40 MPH immediately reduce to that speed.

- 5. **Trackside Warning Detectors (TWD)**—None
- 6. **FRA Exempted Track**—None
- 7. **Special Conditions**
Lee Ranch—Normal position for loop track switch is lined for counterclockwise movement.

- 8. **Line Segments**
Road Line Segments
Line Segment Limits
7201 Lee Ranch Jct. to West Baca
7202 Lee Ranch to Lee Ranch Jct.

9. Locations Not Shown as Stations

Name	Mile Post Location	Capacity Feet	Switch Opens
Wye Storage	0.9	6,451	Both
Escalante	5.0	3.2 Miles	West
Ambrosia	17.1	147	Both
Lee Ranch Mine Storage	12.3X	6,840	Both
Lee Ranch Coal Loop Storage	14.8X	797	West

WESTWARD ↓	Length of Siding (Feet)	Station Nos.	Mile Post	Phoenix Subdivision MAIN LINE STATIONS		Rule 4.3	Type of Oper.	Line Segment	Miles to Next Stn.	EASTWARD ↑
		20125	375.2	WEST WILLIAMS JCT.				7206	2.9	
		20150	378.1	WILLIAMS				7206	6.1	
5,433	20180	384.2	SERENO					7206	20.5	
	20200	401.2 0.0	ASH FORK	PR		TWC		7207	22.0	
	20210	21.2	DRAKE	T					7.2	
6,188	20240	28.4	ABRA						6.0	
1,480	20270	34.4	KAYFOUR						11.8	
6,262	20275	46.2	TUCKER						20.0	
	20280	80.6	SKULL VALLEY			DT TWC			6.2	
4,006	20285	86.8	KIRKLAND						8.6	
3,460	20290	95.4	GRAND VIEW						6.1	
4,939	20297	101.5	HILLSIDE						8.2	
6,452	20305	109.7	DATE						6.7	
1,878	20315	116.4	PIEDMONT			TWC			6.8	
3,598	20322	123.2	CONGRESS					7208	11.8	
	19550	135.0	MATTHIE	T					4.6	
2,231	19554	139.6	WICKENBURG						10.7	
7,100	19558	150.3	CASTLE HOT SPRINGS						7.3	
3,602	19562	157.6	WITTMANN						11.6	
	19566	169.2	BEARDSLEY			DT TWC			4.4	
3,022	19578	173.6	ENNIS						6.3	
	19654	179.9	PEORIA			TWC			3.8	
	19690	183.7	GLENDALE	R					4.6	
	19694	188.3	ALHAMBRA	TR					2.7	
	19700	191.6	MOBEST	BCTR					2.1	
	19700	193.7	PHOENIX	TR					209.0	

RADIO COMMUNICATION	Tone Call-In						
	CH	DS	SC	MC	CSS	EM-ER	
West Williamns Jct. to Ash Fork	55	1	3	4	7	9	
Ash Fork to MP 176.0	36	1	3	4	7	9	
MP 176.0 to MP 189.6	84	1	3	4	7	9	
MP 189.6 to MP 193.7	55	1	3	4	7	9	

1. Speed Regulations

1(A). Speed—Maximum

	Freight
Phoenix Subdivision	49 MPH.%
Speed limit freight trains, with dynamic brakes not in use on descending grades:	
Westward MP 375.0 to MP 400.5	25 MPH.
Westward MP 12.0 to MP 31.5	30 MPH.
Westward MP 54.9 to MP 145.0	30 MPH.
Eastward MP 95.4 to MP 89.0	30 MPH.

1(B). Speed—Permanent Restrictions

MP 375.1 to MP 381.1	40 MPH.
MP 381.1 to MP 391.0X	35 MPH.
MP 391.0X to MP 392.0X	30 MPH.
MP 392.0X to MP 402	35 MPH.
MP 0.2 to MP 0.8	20 MPH.
MP 0.8 to MP 13.9	40 MPH.
MP 13.9 to MP 21.1	30 MPH.
MP 21.1 to MP 21.4	20 MPH.

MP 21.4 to MP 23.2	30 MPH.
MP 23.2 to MP 24.4	40 MPH.
MP 64.6 to MP 80.5	40 MPH.
MP 80.5 to MP 81.7, Main 1 and Main 2	30 MPH.
MP 81.7 to MP 123.2	30 MPH.
MP 134.5 to MP 135.6	20 MPH.
MP 135.6 to MP 140.0	35 MPH.
MP 140.0 to MP 150.3	30 MPH.
MP 168.8 to MP 170.1, Main 1 and Main 2	30 MPH.
MP 170.1 to MP 175.8	40 MPH.
MP 175.8 to MP 178.4 (HER)	25 MPH.
MP 182.5 to MP 191.0	20 MPH.
MP 191.0 to MP 191.1 (HER)	10 MPH.
MP 191.1 to MP 192.9	20 MPH.
MP 192.9 to MP 193.7	10 MPH.

1(C). Speed—Switches and Turnouts

Trains and engines using auxiliary tracks must not exceed turnout speed for that track unless otherwise indicated. At Beardsley and at Skull Valley, normal position of switches is lined for right-hand movement.

MP 168.8 Beardsley, spring switch, turnout to Main 1	30 MPH.
MP 170.1 Beardsley, spring switch, turnout to Main 2	30 MPH.
MP 80.5 Skull Valley, spring switch, turnout to Main 1	30 MPH.
MP 81.7 Skull Valley, spring switch, turnout to Main 2	30 MPH.

1(D). Speed—Other—None

See Item 1 of the System Special Instructions for additional speed restrictions.

2. Bridge and Equipment Weight Restrictions

Maximum Gross Weight of Car
West Williams Jct to Phoenix 143 tons, Restriction C

3. Type of Operation

Restricted Limits—in effect:
MP 399.6 to MP 1.0 Ash Fork
MP 178.4 to MP 193.7 Glendale-Phoenix

TWC—in effect:
MP 375.2 to MP 399.6 West Williams Jct. to Ash Fork
MP 1.0 to MP 178.4 Ash Fork to Glendale

4. General Code of Operating Rules Items

Rule 1.14—At Matthie, trains may use wye belonging to the A&C RR, from MP 0.0 to MP 1.4 and will be authorized by Rule 6.13 Yard Limits, within these limits.

At Phoenix, BNSF and UP trains may jointly use tracks at east and west end of Union Depot.

Rule 6.24 Double Track

MP 168.8 to MP 170.1 At Beardsley
MP 80.5 to MP 81.7 At Skull Valley

When meeting or passing trains at Beardsley or Skull Valley, trains must approach end of double track at restricted speed until it is visually determined that the train to be met or passed is not fouling the clearance point of double track on either end.

At Phoenix, before crossing UP tracks on tail of wye, be governed by instructions in box on north side of UP tracks.

At Phoenix, be governed by Rule 9.17 at Signal 9058 which governs movement to the UP passenger main. After entering the UP passenger main, be governed by Rule 6.13, Yard Limits, with a maximum speed of 20 MPH. Yard Limits are established between MP 889.0 and MP 909.1.

Trains operating between West Williams Jct and Phoenix are not to exceed 6000 tons or 6000 feet in length. (Train length includes the locomotive consist.)

Trains between 6000 feet and 6100 feet may only be authorized by Phoenix Subdivision train dispatcher by track bulletin. Trains exceeding 6100 feet must be authorized by the Division Superintendent.

Except trains made up entirely of empty flat cars, trains exceeding 2500 tons must have all empty flat cars in rear of train. Tonnage behind any empty flat car cannot exceed 2500 tons.

Those cars loaded with empty trailers, empty containers, or empty chassis, are considered loads.

Safety Rule S-13.5—On the Phoenix Subdivision, between Phoenix and Beardsley, at road crossings, it will be permissible for employees to board or dismount from moving equipment on paved surfaces, i.e., asphalt & concrete, not to exceed 4 MPH.

5. Trackside Warning Detectors (TWD)

- A. Protecting bridges, tunnels or other structures: None
- B. Other TWD locations
 - MP 23.5—Recall Code 8
 - MP 46.9—Recall Code 8
 - MP 88.8—Recall Code 8
 - MP 113.9—Recall Code 8
 - MP 137.9—Recall Code 8
 - MP 173.0—Recall Code 8
 - MP 381.6—Recall Code 8
- C. Other Detectors
 - MP 88.9—High Water—Signs MP 88.0 and MP 89.7
 - MP 144.3—High Water
 - Rotating lights MP 144.9 and MP 143.4
 - MP 146.6—High Water
 - Rotating lights MP 145.7 and 147.3

6. FRA Excepted Track—None

7. Special Conditions

Six-Axle Locomotive Restrictions—Six-axle locomotives are restricted from operating on the following auxiliary tracks:

- Peoria Peoria Team Track, CLIC 2201
- Hillside Sulphur Spur, CLIC 3203
- Phoenix CLIC 0201 Wye
- Alhambra CLIC 0931 Wye and Tail of Wye
- Alhambra CLIC 1201 John Deere Lead

Overhead and Side Obstructions

Glendale—Pearce Distributors Track 1238, close clearance between dock and track.

Alhambra—CLIC 1004, when spotting.

Mobest—Fence and building on Quick Seed and Feed spur off Crystal Ice Lead.

Phoenix—Overhead conveyor and concrete bin cap on west track at United Metro.

Phoenix—Side Clearance, CLIC 141, Warehouse Dock.

Phoenix—CLIC 0506 and 0507, Phoenix

When switching CLIC 0506 and 0507, both tracks hold three-car spots. Do not go between the tracks due to steam pipes located there, close clearance.

Temperature Restrictions

Temperature 100 degrees or above—When air temperature meets the 'threshold temperature', all trains must reduce speed to 40 MPH on main tracks through these limits unless a more restrictive speed is in effect.

If in doubt as to the temperature, contact the train dispatcher. Notify the train dispatcher when your train is restricted to 40 MPH.

Limits	Threshold Temperature	Speed
MP 24.4 to MP 83.5	100 Degrees	40 MPH
MP 123.2 to MP 134.5	110 Degrees	40 MPH
MP 154.7 to MP 163.0	110 Degrees	40 MPH

Flash Flood Locations—The following are identified as "critical areas" . Refer to System Special Instructions, Item 31.
 MP 31.0 to MP 35.2
 MP 84.1 to MP 86.5
 MP 133.0 to MP 147.5

8. Line Segments

Yard Line Segments

Line Segment	Yard
7252	Mobest Yard

Road Line Segments

Line Segment	Limits
7206	Williams Jct. To Daze
7207	Daze to Ash Fork
7208	Ash Fork to Phoenix

9. Locations Not Shown as Stations

Name	Mile Post Location	Capacity Feet	Switch Opens
Daze	393.3	601	East
Meath	9.2	350	East
Drake (N. Side)	20.6	350	East
Abra	27.9	350	West
South Mattheie	135.2	1,100	Both
Lizard Acres	171.6	948	Both
Surprise	172.5	937	Both

WESTWARD ↓	Length of Siding (Feet)	Station Nos.	Mile Post	Seligman Subdivn. MAIN LINE STATIONS		Type of Oper.	Line Segment	Miles to Next Stn.	EASTWARD ↑
				Rule 4.3	Type of Oper.				
			284.5	EAST WINSLOW		2MT CTC ATS		0.8	
			285.3	EAST PASS				0.9	
		20500	286.2	WINSLOW	BCPT	3MT CTC ATS		0.4	
			286.6	WEST PASS				1.7	
			288.3	WEST WINSLOW				22.2	
	N6,436	20440	310.5	EAST CANYON DIABLO		2MT CTC ATS		1.6	
			312.1	WEST CANYON DIABLO				14.6	
		20420	326.7	EAST DARLING				2.8	
			329.5	WEST DARLING				9.3	
			338.8	MC PHETRIDGE				3.3	
			342.1	EAST FLAGSTAFF				2.7	
		20400	344.8	WEST FLAGSTAFF		2MT CTC		9.7	
			354.5	EAST BELLEMONT				1.8	
	S4,984	20390	356.3	BELLEMONT				6.2	
		20382	362.5	MAINE				11.8	
			20125	EAST WILLIAMS JCT.				0.7	
			375.0	WEST WILLIAMS JCT.				8.1	
			383.1	EAST PERRIN				2.5	
		20120	385.6	WEST PERRIN		2MT CTC ATS		6.4	
			392.0	EAST DOUBLEA				3.1	
		20115	395.1	WEST DOUBLEA				10.4	
			405.5	EAST EAGLE NEST				2.0	
		20109	407.5	WEST EAGLE NEST				10.8	
		20105	418.3	EAST CROOKTON				2.8	
			420.5	WEST CROOKTON			7200	7.4	
		20100	427.9	EAST SELIGMAN	T	2MT CTC		1.9	
			429.9	WEST SELIGMAN				N 17.1 S 17.3	
	N5,355	19955	446.9	PICA	X			5.2	
	N6,784 S5,329	19950	452.2	YAMPAI	X	DTB-ABS TWC		7.9	
	N4,647 S5,783	19945	460.2	NELSON	X			5.6	
	N5,714 S7,743	19935	465.8	PEACH SPRINGS	X	DTB-ABS ATS TWC		11.5	
	N5,423 S5,557	19930	477.3	TRUXTON	X			7.0	
			484.0	CP 4840 (VALENTINE)		2MT CTC ATS		1.8	
			485.8	CP 4858				15.4	
	N5,550 S5,939	19915	501.3	WALAPAI	X	DTB-ABS ATS 9.14 9.15		8.1	
			509.4	CP 5094				0.4	
	N9,062 S7,132	19910	509.8	BERRY	TX	2MT ATS CTC		1.7	
			511.5	CP 5115				2.4	
		19905	513.9	GETZ	X			N2.5 S2.8	
		19900	516.4	KINGMAN	BCP	DTB-ABS ATS 9.14 9.15		N4.8 S5.1	
	N3,350	19850	521.2	McCONNICO (Main 1)				N5.6	
	S7,117	19840	521.5X	HARRIS (Main 2)				S5.6	
	N5,198	19835	526.8	GRIFFITH	X			0.1	
	S9,169		526.9	CP 5269 (GRIFFITH)		2MT ATS CTC		1.9	
			528.8	CP 5288				6.8	

WESTWARD ↓	Length of Siding (Feet)	Station Nos.	Mile Post	Seligman Subdivn. MAIN LINE STATIONS		Type of Oper.	Line Segment	Miles to Next Stn.	EASTWARD ↑
				Rule 4.3	Type of Oper.				
	S7,100	19830	535.6	ATHOS	X	DTB-ABS ATS 9.14 9.15		4.6	
	N7,115 S5,160	19825	540.2	YUCCA	X			11.5	
			551.7	CP 5517 (Franconia)				1.8	
			553.5	CP 5535		2MT ATS CTC	7200	11.6	
	N5,357 S5,491	19805	565.1	TOPOCK	X	DTB-ABS ATS 9.14 9.15		9.6	
			574.7	EAST NEEDLES				3.3	
		19800	578.0	NEEDLES (Main 1 MP 291.4) (Main 2 MP 292.1)	BCPT	2MT ATS CTC		292.1	

RADIO COMMUNICATION	Tone Call-In					
	CH	DS	SC	MC	CSS	EM-ER
East Winslow to West Seligman	55	1	3	4	5&7	9
West Seligman to CP 5535	36	1	3	4	5&7	9
CP 5535 to Needles	55	1	3	4	5&7	9

1. Speed Regulations

1(A). Speed—Maximum

	Passenger	Freight
Westward Movements Both Tracks		
East Winslow to Maine	79 MPH.	55 MPH.*%
Eastward Movements Both Tracks		
Maine to East Darling	79 MPH.	55 MPH.*%
East Darling to East Winslow	90 MPH.	55 MPH.*%
Both Tracks Both Directions		
Maine to East Crookton	90 MPH.	55 MPH.*%
East Crookton to West Seligman	79 MPH.	55 MPH.*%
Main 1		
West Seligman to Peach Springs	79 MPH.	55 MPH.*%
Peach Springs to Needles	90 MPH.	55 MPH.*%
Main 2		
Needles to Getz	79 MPH.	55 MPH.*%
Getz to MP 484.0	90 MPH.	55 MPH.*%
MP 484.0 to West Seligman	79 MPH.	55 MPH.*%
Against the Current of Traffic		
West Seligman to MP 484.0	79 MPH.	55 MPH.*%
MP 485.8 to MP 509.4	79 MPH.	55 MPH.*%
MP 511.5 to MP 526.9	79 MPH.	55 MPH.*%
MP 528.8 to MP 551.7	79 MPH.	55 MPH.*%
MP 553.5 to East Needles	79 MPH.	55 MPH.*%

*See System Special Instruction 1(B)

Westward freight trains averaging more than 80 TOB must not exceed: 55 MPH between Winslow and Needles

Eastward freight trains averaging more than 80 TOB must not exceed: 55 MPH, MP 322.7 to MP 316.0

Westward freight trains averaging more than 80 TOB or having more than 5500 tons must not exceed:

- 25 MPH, MP 514.4 to MP 518.8—Main 1
- 25 MPH, MP 514.4 to MP 517.0—Main 2
- 45 MPH, MP 518.8 to MP 562.8—Both Tracks

Westward freight trains must stop not less than ten minutes between MP 536 and MP 544 to cool wheels when train weight exceeds 400 tons per axle of operative dynamic brake.

Speed limit, freight trains, with dynamic brakes not in use on descending grades:

Westward	
MP 350.7 to MP 428.8	30 MPH.
MP 451.9 to MP 489.0	30 MPH.
MP 514.4 to MP 522.0	25 MPH.
MP 522.0 to MP 565.0	30 MPH.
Eastward	
MP 451.9 to MP 446.0	30 MPH.
MP 410.0 to MP 407.0	30 MPH.
MP 350.7 to MP 291.0	30 MPH.

At Seligman, on Yard Track No. 1, trains must not exceed 30 MPH while head end of train is passing over hand operated switches at east and west end of track.

1(B). Speed—Permanent Restrictions

All Mains	Passenger	Freight
MP 285.5 to MP 286.4, Main 1, 2 & 3	65 MPH.	55 MPH.
MP 286.5 (HER)	20 MPH.	20 MPH.
MP 286.4 to 287.4 Westward and Eastward Inert ATS Inductors	45 MPH.	40 MPH.
MP 302.0 to MP 303.3	80 MPH.	
MP 327.0 to MP 328.6	75 MPH.	65 MPH.
MP 328.6 to 330.8 Westward and Eastward Inert ATS Inductors	55 MPH.	50 MPH.
MP 330.8 to MP 331.8 Westward and Eastward Inert ATS Inductors	40 MPH.	35 MPH.
MP 331.8 to 335.7 Westward and Eastward Inert ATS Inductors	45 MPH.	40 MPH.
MP 335.7 to MP 336.2 Westward and Eastward Inert ATS Inductors	40 MPH.	35 MPH.
MP 336.2 to MP 338.0	60 MPH.	55 MPH.
MP 338.0 to MP 341.6		55 MPH.
MP 341.6 to MP 343.5	55 MPH.	50 MPH.
MP 343.5 to MP 345.2 Westward and Eastward Inert ATS Inductors	45 MPH.	40 MPH.
MP 345.2 to MP 348.2	40 MPH.	35 MPH.
MP 348.2 to MP 350.2	45 MPH.	40 MPH.
MP 350.2 to MP 352.6 Westward and Eastward Inert ATS Inductors	50 MPH.	45 MPH.
MP 352.6 to MP 353.9	70 MPH.	65 MPH.
MP 362.5 to MP 364.1	80 MPH.	
MP 364.1 to MP 364.3 Westward and Eastward Inert ATS Inductors	45 MPH.	45 MPH.
MP 364.3 to MP 366.8	55 MPH.	45 MPH.
MP 366.8 to MP 367.9 Westward and Eastward Inert ATS Inductors	50 MPH.	45 MPH.
MP 367.9 to MP 369.0 Westward and Eastward Inert ATS Inductors	55 MPH.	50 MPH.
MP 369.0 to MP 371.0 CV, Grade Eastward trains	55 MPH.	35 MPH.
MP 369.0 to MP 369.6 Westward trains	55 MPH.	50 MPH.
MP 369.6 to MP 371.0 Westward trains	60 MPH.	50 MPH.
MP 371.0 to MP 371.8 Westward and Eastward Inert ATS Inductors	60 MPH.	50 MPH.
MP 421.6 to MP 422.8 Westward and Eastward Inert ATS Inductors	50 MPH.	45 MPH.
MP 422.8 to MP 425.4 Westward and Eastward Inert ATS Inductors	55 MPH.	50 MPH.
MP 578.1 (HER)	30 MPH.	30 MPH.
Main 1	Passenger	Freight
MP 447.4 to MP 448.2	75 MPH.	
MP 448.2 to MP 451.6	55 MPH.	50 MPH.
MP 451.6 to MP 453.2 CV, Grade Westward ATS Inductor	50 MPH.	45 MPH.
MP 453.2 to MP 455.5 CV, Grade	65 MPH.	45 MPH.
MP 455.5 to MP 457.7 CV, Grade	50 MPH.	45 MPH.
MP 457.7 to MP 460.1 CV, Grade	55 MPH.	45 MPH.
MP 460.1 to MP 463.7 CV, Grade	60 MPH.	45 MPH.
MP 463.7 to MP 464.9	50 MPH.	45 MPH.
MP 464.9 to MP 469.0 CV, Grade	70 MPH.	45 MPH.
MP 469.0 to MP 470.5 CV, Grade, Westward Inert ATS Inductors	50 MPH.	45 MPH.
MP 470.5 to MP 472.7 CV, Grade	75 MPH.	
MP 472.7 to MP 477.0 CV, Grade	85 MPH.	
MP 477.0 to MP 479.0 CV, Grade	70 MPH.	60 MPH.
MP 479.0 to MP 480.6 CV, Grade, Westward Inert ATS Inductors	30 MPH.	25 MPH.
MP 480.6 to MP 481.6 CV, Grade	45 MPH.	40 MPH.
MP 481.6 to MP 482.5 CV, Grade	65 MPH.	55 MPH.
MP 482.5 to MP 490.2 CV, Grade	80 MPH.	
MP 514.4 to MP 515.2 CV, Grade, Westward Inert ATS Inductors	60 MPH.	55 MPH.
MP 515.2 to MP 516.5 CV, Grade	45 MPH.	40 MPH.
MP 516.5 to MP 518.8 CV, Grade	40 MPH.	35 MPH.
MP 518.8 to MP 520.1, CV, Grade	70 MPH.	60 MPH.
MP 520.1 to MP 524.3, CV, Grade	80 MPH.	
MP 524.3 to MP 525.7 CV, Grade	85 MPH.	
MP 562.3 to MP 562.8	65 MPH.	60 MPH.

MP 562.8 to MP 564.5 Westward Inert ATS Inductors	55 MPH.	50 MPH.
MP 564.5 to MP 565.5	50 MPH.	45 MPH.
MP 565.5 to MP 565.9	45 MPH.	40 MPH.
MP 565.9 to MP 575.6		55 MPH.
MP 575.6 to MP 576.8 track	80 MPH.	55 MPH.
MP 576.8 to MP 577.5	55 MPH.	50 MPH.
MP 577.5 to MP 578.0	40 MPH.	30 MPH.
MP 578.0 to MP 579.4	50 MPH.	40 MPH.
Main 2	Passenger	Freight
MP 578.0 to MP 577.5	50 MPH.	30 MPH.
MP 577.5 to MP 576.8	55 MPH.	50 MPH.
MP 576.8 to MP 575.6	75 MPH.	55 MPH.
MP 575.6 to MP 565.9		55 MPH.
MP 565.9 to MP 565.5 Eastward Inert ATS Inductors	45 MPH.	40 MPH.
MP 565.5 to MP 564.5	50 MPH.	45 MPH.
MP 564.5 to MP 562.3	55 MPH.	50 MPH.
MP 552.6 to MP 551.2	70 MPH.	60 MPH.
MP 526.9X to MP 525.9X Eastward Inert ATS Inductors	79 MPH.	65 MPH.
MP 525.9X to MP 524.3X Eastward Inert ATS Inductors	55 MPH.	50 MPH.
MP 524.3X to MP 524.0X	50 MPH.	45 MPH.
MP 524.0X to MP 520.3X	60 MPH.	55 MPH.
MP 520.3 X to MP 519.9X Eastward Inert ATS Inductors	30 MPH.	30 MPH.
MP 519.9X to MP 517.8X	35 MPH.	30 MPH.
MP 517.8X to MP 515.3X	40 MPH.	35 MPH.
MP 515.3X to MP 514.1	75 MPH.	60 MPH.
MP 490.2 to MP 488.9	80 MPH.	
MP 488.9 to MP 486.8	70 MPH.	65 MPH.
MP 486.8 to MP 482.5	70 MPH.	60 MPH.
MP 482.5 to MP 481.6 Eastward Inert ATS Inductors	50 MPH.	45 MPH.
MP 481.6 to MP 480.6 Eastward Inert ATS Inductors	45 MPH.	40 MPH.
MP 480.6 to MP 479.3 Eastward Inert ATS Inductors	30 MPH.	25 MPH.
MP 479.3 to MP 479.0	45 MPH.	40 MPH.
MP 479.0 to MP 477.0	65 MPH.	60 MPH.
MP 472.6 to MP 470.5	70 MPH.	60 MPH.
MP 470.5 to MP 469.0 Eastward Inert ATS Inductors	50 MPH.	45 MPH.
MP 469.0 to MP 467.9	60 MPH.	45 MPH.
MP 467.9 to MP 464.9	65 MPH.	45 MPH.
MP 464.9 to MP 463.8	50 MPH.	45 MPH.
MP 463.8 to MP 460.1X	55 MPH.	45 MPH.
MP 460.1X to MP 457.7	55 MPH.	50 MPH.
MP 457.7 to MP 455.4	50 MPH.	45 MPH.
MP 455.4 to MP 453.2	65 MPH.	55 MPH.
MP 453.2 to MP 451.6	50 MPH.	45 MPH.
MP 451.6 to MP 448.2	60 MPH.	55 MPH.

1(C). Speed—Switches and Turnouts

Trains and engines using auxiliary tracks must not exceed turnout speed for that track unless otherwise indicated.

MP 286.7 Winslow, Yard Track No 1	20 MPH.
MP 287.9 West Winslow, switch Main 1	50 MPH.
MP 288.1 West Winslow, crossover	50 MPH.
MP 288.3 West Winslow, west freight lead	20 MPH.
MP 288.3 West Winslow, crossover	50 MPH.
MP 310.5 East Canyon Diablo, crossover	50 MPH.
East Canyon Diablo, EE siding	20 MPH.
MP 312.1 West Canyon Diablo, crossover	50 MPH.
West Canyon Diablo, WE siding	20 MPH.
MP 326.7 East Darling, crossover	50 MPH.
MP 329.5 West Darling, crossover	50 MPH.
MP 342.1 East Flagstaff, 2 crossovers	50 MPH.
MP 354.5 East Belmont, 2 crossovers	50 MPH.
MP 362.1 Maine, 2 crossovers	50 MPH.
MP 374.3 East Williams Jct., crossover	50 MPH.
West Williams Jct., EE and WE Yard Track No. 1	30 MPH.
MP 375.0 West Williams Jct., crossover	50 MPH.
West Williams Jct., Switch from Seligman Subdivision to Phoenix Subdivision	40 MPH.
MP 383.1 East Perrin, crossover	50 MPH.
MP 385.6 West Perrin, crossover	50 MPH.
MP 392.0 East Doublea, crossover	50 MPH.

MP 395.1 West Doublea, crossover	50 MPH.
MP 405.5 East Eagle Nest, crossover	50 MPH.
MP 407.5 West Eagle nest, crossover	50 MPH.
MP 418.3 East Crookton, crossover	50 MPH.
MP 420.5 West Crookton, crossover	50 MPH.
MP 427.7 East Seligman, crossover	50 MPH.
East Seligman, EE yard track No. 1	30 MPH.
MP 429.6 West Seligman, crossover	50 MPH.
MP 429.9 West Seligman, crossover	50 MPH.
West Seligman WE Yard Track No. 1	30 MPH.
Yampai, WE north siding	30 MPH.
MP 484.0, CP 4840, EE South Siding Valentine	40 MPH.
MP 484.0, CP 4840, crossover	50 MPH.
MP 485.8, CP 4858, WE South Siding Valentine	40 MPH.
MP 485.8, CP 4858, crossover	50 MPH.
Walapai, EE south siding	20 MPH.
Berry, EE south siding	30 MPH.
CP 5094, east end North Siding Berry	40 MPH.
MP 509.4, CP 5094 crossover	50 MPH.
MP 511.5, CP 5115 crossover	50 MPH.
CP 5115, east end North Siding Berry	40 MPH.
Harris, EE south siding	30 MPH.
Griffith, WE north siding	20 MPH.
MP 526.9, CP 5269 EE south siding	40 MPH.
MP 526.9, CP 5269 crossover	50 MPH.
MP 528.8, CP 5288 WE south siding	40 MPH.
MP 528.8, CP 5288 crossover	50 MPH.
Athos, EE south siding	30 MPH.
Yucca, EE south siding	30 MPH.
Yucca, WE north siding	30 MPH.
CP 5517 EE south siding	40 MPH.
MP 551.7 CP 5517 crossover	50 MPH.
MP 553.5, CP 5535, crossover	50 MPH.
MP 553.5 CP 5535 WE south siding	40 MPH.
Topock EE south siding	30 MPH.
Topock WE north siding	30 MPH.
MP 574.7 East Needles 2 crossover	50 MPH.
MP 574.8 East Needles freight lead to Main 1	20 MPH.
MP 578.4 Needles, crossover, freight lead to Main 1	20 MPH.
MP 578.4 Needles, crossover	30 MPH.
West Needles, WE freight lead	20 MPH.

Location of Double Track Crossovers

<u>Station</u>	<u>MP</u>	<u>Points</u>	<u>Turnout Speed</u>
Audley	439.8	Trailing	10
	439.9	Facing*	10
Pica	447.0	Trailing	10
Yampai	452.2	Trailing	10
	453.7	Facing	10
Nelson	460.3	Trailing	10
Peach Springs	465.6	Facing*	10
	465.8	Trailing	10
Truxton	477.7	Trailing	10
	477.8	Facing*	10
Hackberry	489.7	Facing*	10
	489.8	Trailing	10
Walapai	501.3	Trailing	10
Getz	513.8	Facing*	10
	514.1	Trailing	10
Athos	535.6	Trailing	10
Yucca	540.0	Facing*	10
	540.1	Trailing	10
Topock	565.1	Trailing	10
	565.4	Facing*	10

*Indicates temporary crossover

1(D). Speed—Other—None

See Item 1 of the System Special Instructions for additional speed restrictions.

**2. Bridge and Equipment Weight Restrictions
Maximum Gross Weight of Car**

East Winslow to Needles 143 tons, Restriction A

3. Type of Operation

CTC—in effect: on Main Tracks

- MP 284.5 to MP 429.9 East Winslow to West Seligman
- MP 484.0 to MP 485.8, CP 4840 to MP 4858
- MP 509.4 to MP 511.5, CP 5094 to CP 5115
- MP 526.9 to MP 528.8 CP 5269 to CP 5288
- MP 551.7 to MP 553.5 CP 5517 to CP 553.5
- MP 574.7 to MP 578.0 East Needles to Needles

CTC—in effect: on siding

- MP 310.5 to MP 312.1 Canyon Diablo
- MP 484.0 to MP 485.8, South Siding Valentine
- MP 509.4 to MP 511.5, North Siding Berry
- MP 526.9 to MP 528.8, South Siding Griffith
- MP 551.7 to MP 553.5, South Siding, Franconia

CTC—in effect: on Yard Track

- MP 427.9 to MP 429.6 Seligman, Yard Track No. 1

CTC—in effect: on Freight Lead

- MP 574.8 to MP 580.2 East Needles to West Needles

TWC—in effect: on Main Tracks

- MP 429.9 to MP 484.0 West Seligman to CP 4840

ABS—in effect:

- MP 429.9 to MP 484.0 West Seligman to CP 4840
- MP 485.8 to MP 509.4 CP 4858 to CP 5094
- MP 511.5 to MP 526.9 CP 5115 to CP 5269
- MP 528.8 to MP 551.7 CP 5288 to CP 5517
- MP 553.5 to MP 574.7 CP 5535 to East Needles

Rule 6.24 Double Track Bi-Directional ABS (DTB) in Effect:

- MP 429.9 to MP 484.0 West Seligman to CP 4840 (TWC)
- MP 485.8 to MP 509.4 CP 4858 to CP 5094 (9.14/9.15)
- MP 511.5 to MP 526.9 CP 5115 to CP 5269 (9.14/9.15)
- MP 528.8 to MP 551.7 CP 5288 to CP 5517 (9.14/9.15)
- MP 553.5 to MP 574.7 CP 5535 to East Needles (9.14/9.15)

Rule 6.25 Movement Against the Current of Traffic

Spring Switches are located as follows:

- Pica WE North Siding
- Yampai EE South Siding and WE North Siding
- Nelson EE South Siding and WE North Siding
- Peach Springs EE South Siding and WE North Siding
- Truxton EE South Siding and WE North Siding
- Walapai EE South Siding and WE North Siding
- Berry EE South Siding
- McConnico WE North Siding
- Harris EE South Siding
- Griffith WE North Siding
- Athos EE South Siding
- Yucca EE South Siding and WE North Siding
- Topock EE South Siding and WE North Siding

Crews originating at Needles or Winslow and scheduled to operate between CP 4840 and West Seligman are required to obtain a track warrant listing bulletins and a track warrant with authority before leaving terminal, unless otherwise instructed by train dispatcher.

Rule 6.26 Multiple Main Tracks (Except Double Track)

- MP 284.5 to MP 429.9 East Winslow to West Seligman
- MP 484.0 to MP 485.8 CP 4840 to CP 4858
- MP 509.4 to MP 511.5 CP 5094 to CP 5115
- MP 526.9 to MP 528.8 CP 5269 to CP 5288
- MP 551.7 to MP 553.5 CP 5517 to CP 5535
- MP 574.7 to MP 578.0 East Needles to Needles

Rule 9.14—in effect:

MP 485.8 to MP 509.4 CP 4858 to CP 5094
 MP 511.5 to MP 526.9 CP 5115 to CP 5269
 MP 528.8 to MP 551.7 CP 5288 to CP 5517
 MP 553.5 to MP 574.7 CP 5535 to East Needles

Rule 9.15—in effect:

MP 485.8 to MP 509.4 CP 4858 to CP 5094
 MP 511.5 to MP 526.9 CP 5115 to CP 5269
 MP 528.8 to MP 551.7 CP 5288 to CP 5517
 MP 553.5 to MP 574.7 CP 5535 to East Needles

4. General Code of Operating Rules Items

Rule 5.4.8—Flags may be displayed, when necessary to protect men and machines or affected track, to the left of track as viewed from an approaching train or engine.

Rule 5.5—Permanent speed signs are not displayed for movements against the current of traffic.

Rule 6.25—add additional bullet point as follows:

* Rule 9.14 (Movement with the Current of Traffic).

Rule 9.14—is changed to read:

On tracks designated in the timetable, trains will run with or against the current of traffic, if the train dispatcher gives verbal authorization or a controlled signal indicates proceed.

Rule 9.14.1—the following is added:

Note: This rule applies to trains moving both with and against the current of traffic.

Rule 9.17—is changed as follows:

Item A(7) does not apply where double track bi-directional ABS (DTB) is in effect. A train authorized to move against the current of traffic is not relieved from waiting 5 minutes after opening main track switch in double track bi-directional ABS (DTB).

Rule 12.1—ATS in effect on Main 1 between Maine and East Crookton, Peach Springs and Needles (westward only). Main 2 between Getz and CP 4840 (eastward only), East Crookton and Maine. Both tracks between East Darling and East Winslow Eastward movements only.

Rule 14.10—Report clear of track warrant limits by one of the following:

1. After entire train has cleared track warrant limits, report clear of limits to train dispatcher by using radio.
2. If unable to contact the train dispatcher via radio and train arrives the terminal, call the train dispatcher by telephone at 8-234-2311 and release your track warrant.
or
3. If unable to contact the train dispatcher via radio and train arrives the terminal, call the train dispatcher's voice mail at 8-234-1754, release your track warrant, then complete the "limits reported clear at ____ by ____" section at the bottom of the track warrant and fax it to the train dispatcher at 8-234-2411.

Glossary—the following glossary term is added:

DTB—Double Track Bi-Directional

A 2 main track automatic block signal system designated as double track and signalled for movement in both directions on both tracks.

Signals Not Conforming to Aspects and Indications Shown in the System Special Instructions

Aspect	Name	Indication
Red over Flashing Yellow	Diverging Approach (Rule 9.1.11 does not apply).	Proceed through diverging route; prescribed speed through turnout; approach next signal preparing to stop, if exceeding 40 MPH immediately reduce to that speed.

5. Trackside Warning Detectors (TWD)

- A. Protecting bridges, tunnels or other structures
 - MP 305.9 (DED only)—Both Tracks, WWD only
Recall Code 0
 - MP 315.5—EWD only—Recall Code 8
 - MP 322.8 (DED only)—Both tracks, EWD only
Recall Code 2
 - MP 473.9—Recall Code 0
 - MP 480.7 (DED only)—EWD only
 - MP 561.5—WWD only—Recall Code 0
 - MP 571.2—EWD only—Recall Code 8
- B. Other TWD locations
 - MP 294.2—Recall Code 8
 - MP 305.9 (DED only)—EWD only—Recall Code 0
 - MP 315.5—WWD only—Recall Code 8
 - MP 322.8 (DED only)—WWD only—Recall Code 2
 - MP 336.8—Recall Code 8
 - MP 358.3—Recall Code 0
 - MP 377.6—Recall Code 8
 - MP 401.2—Recall Code 8
 - MP 426.9—Recall Code 8
 - MP 452.1—Recall Code 8
 - MP 473.9—Recall Code 0
 - MP 480.7 (DED only)—Recall Code 0
 - MP 493.3—Recall Code 0
 - MP 512.5—Recall Code 8
 - MP 536.0—Recall Code 8
 - MP 561.5—Recall Code 0
 - MP 571.2—WWD only—Recall Code 8
- C. Other Detectors
 - MP 290—High Water
WWD controlled signal MP 287.5
Signals 2912, 2914
 - MP 379.4-379.8—Rock Slide
Signals 3802-3804, 3771-3773
(Signals will display flashing red when rock slide detector is activated).
 - MP 395.5—Rock Slide
Controlled signals MP 395.1 and signals 3972 and 3974.
 - MP 402.0—Rock Slide
Warning lights MP 401.1 and 402.7.
Signals 4011-4013 and 4022-4024.
 - MP 409-411—Rock Slide
Signals 4091-4093 & 4112-4114.
(Signals will display flashing red when rock slide detector is activated).
 - MP 439.0—High Water—Signals 4381 and 4402
 - MP 467.7—High Water—Signals 4671 and 4702
 - MP 505.9—High Water—Signals 5051 and 5074
 - MP 552.2 and 554.8—High Water
WWD controlled signals, CP 5517, CP 5535
EWD controlled signal CP 5535 and signal 5564
 - MP 562.8—High Water—Signals 5611 and 5634

MP 575.8—High Water
 WWD controlled signal MP 574.7
 EWD signals 572.4 and 5774
 EWD controlled signal of freight lead MP 576.9

6. FRA Excepted Track—None

7. Special Conditions

Six-Axle Locomotive Restrictions—Six-axle locomotives are restricted from operating on the following auxiliary tracks:

- Winslow, Duke City CLIC 2945
- Darling Upstairs
- Flagstaff ARCO Spur/CLIC 9249, Ralston
 Purina Plant Tracks, Railhead Spur,
 H&R Spur, CLIC 9222
- Seligman 4286, 4287, (4288—except east 400
 feet), 4290
- Nelson 4602, 4603, 4605, 4606, 4607
- Berry 5081, 5082, 5089
- McConnico 5212
- Needles 5782, 5784, 5785

Overhead and Side Obstructions

Flagstaff—CLIC 9225.

Temperature Restrictions

Temperature 100 degrees or above—When air temperature meets the ‘threshold temperature,’ all trains must reduce speed to 40 MPH on main tracks through these limits unless a more restrictive speed is in effect.

If in doubt as to the temperature, contact the train dispatcher. Notify the train dispatcher when your train is restricted to 40 MPH.

Limits	Threshold Temperature	Speed
MP 287.4 to MP 305.7	100 Degrees	40 MPH
MP 314.8 to MP 487.1	100 Degrees	40 MPH
MP 496.5 to MP 500.0	100 Degrees	40 MPH
MP 514.6 to MP 516.4, Main 1	100 Degrees	40 MPH
MP 514.1X to MP 526.8X, Main 2	110 Degrees	40 MPH
MP 516.4 to MP 525.7, Main 1	110 Degrees	40 MPH
MP 527.2 to MP 565.6	110 Degrees	40 MPH

Flash Flood Warnings—The following locations have been identified as “critical areas” subject to flash floods and washouts as outlined in System Special Instructions, Item 31:

- MP 500.0 to MP 510.0
- MP 559.0 to MP 561.0

8. Line Segments

Yard Line Segments

Line Segment Yard

7251 Winslow Yard

Road Line Segments

Line Segment Limits

7200 East Winslow to East Needles

9. Locations Not Shown as Stations

Name	Mile Post Location	Capacity Feet	Switch Opens
Dennison (Main 2)	298.3	505	West
Dennison (Main 1)	298.3	520	West
Sunshine (Main 2)	305.9	3,617	Both
Angell (Main 1)	322.7	Wye	Both
Angell (Main 2)	322.7	330	Both
Darling	328.6	Yard	Both
Cosnino(Main 1)	333.1	430	East
Cosnino (Main 2)	333.3	1,044	East
McPhetridge (Main 1)	339.9	4,735	Both
Ralston Purina (Main 2)	340.2	Yard	Both
Belmont (Main 2)	355.9	490	Both
MP 356.3 (Main 1)	356.3	412	Both
Maine (Main 1)	362.5	2,272	Both
Chalender (Main 2)	368.1	293	East
Chalender (Main 1)	368.1	360	West
West Perrin (Main 1)	385.4	560	Both
West Doublea (Main 2)	395.0	650	Both
West Eagle Nest (Main 1)	407.2	562	Both
Crookton (Main 1)	419.0	1,877	Both
Audley (Main 2)	438.8	1,000	East
Shipley (Main 1)	461.4	Yard	West
Hackberry (Main 1)	489.0	4,934	West
Hackberry (Main 2)	489.8	1,788	Both
Powell (Main 2)	558.8	663	East
Powell (Main 1)	558.8	620	East

WESTWARD ↓	Length of Siding (Feet)	Station Nos.	Mile Post	Springerville Subdivision MAIN LINE STATIONS		Line Segment	Miles to Next Str.	EASTWARD ↑
				Rule 4.3	Type of Oper.			
			0.0	TEPCO JCT.	A		29.7	
		20560	29.7	SPRINGERVILLE	R	TWC 7205	29.7	

Tone Call-In						
RADIO COMMUNICATION	CH	DS	SC	MC	CQS	EM-ER
Tepco Jct. to Springerville	72	1	3	4	5&7	9

1. Speed Regulations

1(A). Speed—Maximum

Freight

Tepco Jct. to MP 26.1 49 MPH.%
 MP 26.1 to MP 29.7 15 MPH.

1(B). Speed—Permanent Restrictions—None

1(C). Speed—Switches and Turnouts

Trains and engines using auxiliary tracks must not exceed turnout speed for that track unless otherwise indicated.
 Tepco Jct., MP 0.0, dual control switch turnout
 to Coronado Subdiv. 40 MPH.
 Springerville, spring switch Tepco Loop track 10 MPH.

1(D). Speed—Other

Locomotive cranes/pile drivers, AT-199454
 through AT-199468 and Jordan spreaders 30 MPH.
 Speed limit on Tepco Loop Track 15 MPH.

See Item 1 of the System Special Instructions for additional speed restrictions.

2. Bridge and Equipment Weight Restrictions

Maximum Gross Weight of Car
 Tepco Jct to Springerville 143 tons, Restriction A

3. Type of Operation

TWC—in effect:
 Tepco Jct. to Springerville

Restricted Limits—in effect:
 Springerville—MP 26.1 to MP 29.7

4. General Code of Operating Rules Items—None

5. Trackside Warning Detectors (TWD)—None

6. FRA Excepted Track—None

7. Special Conditions

Tepco Jct.—Be governed by superintendents notice for operation of dual control switch and circuit controller box.

Springerville Subdivision—Loop track designated CLIC 2161 in service at MP 26.1 with east switch connection. Loop track is 3.9 miles in length and equipped with spring switch and switch point indicator.

Speed limit on loop track 15 MPH, except speed limit through rotary dumper 4 MPH. Unit coal trains will operate clockwise around loop track for unloading. Window awnings and mirrors must be positioned against car body on all engines before entering dumper.

Overhead and Side Obstructions

1. Dumper at MP 26.8
2. Cabooses will not be operated through dumper account insufficient clearance at Springerville.

8. Line Segments

Road Line Segments

Line Segment Limits **Mile Posts**
 7205 Tepco Jct. to Springerville MP 0.0 to MP 29.7

9. Locations Not Shown as Stations

Name	Mile Post Location	Capacity Feet	Switch Opens
Carrlzo Storage	1.8	653	Both
Tucson Electric Power Co.	26.1	3,700	East

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GCOR and MWOR Rule 15.2A—Verbal Permission:

(In effect April 2, 2000)

When granting verbal permission, begin the communication using the following words:

“Foreman (name and/or Gang No.) ____ using track bulletin No. ____ (and/or Line No. ____) between MP ____ and MP ____ (specifying subdivision when necessary).”

1. To permit a train to pass a red flag (or red light) without stopping, add the following:

- “(Train) may pass red flag (or red light) located at MP ____ without stopping (specifying track when necessary).”

Unless otherwise restricted, the train may pass the red flag (or red light) at restricted speed without stopping.

2. To permit a train to proceed at other than restricted speed, add one of the following:

- “(Train) may proceed through the limits at ____ MPH (or at maximum authorized speed) (specifying track when necessary).”

Unless otherwise restricted, the train may proceed at speed specified.

- “(Train) may proceed at ____ MPH between MP ____ and MP ____ and then proceed at .. ____ MPH (or at maximum authorized speed) (specifying track when necessary) until entire train has passed through the limits.”

Unless otherwise restricted, the train may proceed through the limits at the speeds specified. Not more than two speeds may be authorized. The second speed authorized must not be less than the first speed.

3. To require the train to move at restricted speed, but less than 20 MPH, add the following:

- “(Train) must proceed at restricted speed but not exceeding ____ MPH (specifying distance and track when necessary).”

The above will apply when movement is to be made at restricted speed, but less than 20 MPH. Unless otherwise restricted, the train must proceed at restricted speed and not exceed the speed specified.

Speed Tables

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

FEET	TENTHS OF A MILE
528	.1
1,056	.2
1,584	.3
2,112	.4
2,640	.5
3,168	.6
3,696	.7
4,224	.8
4,752	.9