

# **BNSF**

**Burlington Northern Santa Fe**

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**Arizona  
Division**

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**Timetable  
No. 1**

**IN EFFECT AT 0001  
Mountain Continental Time**

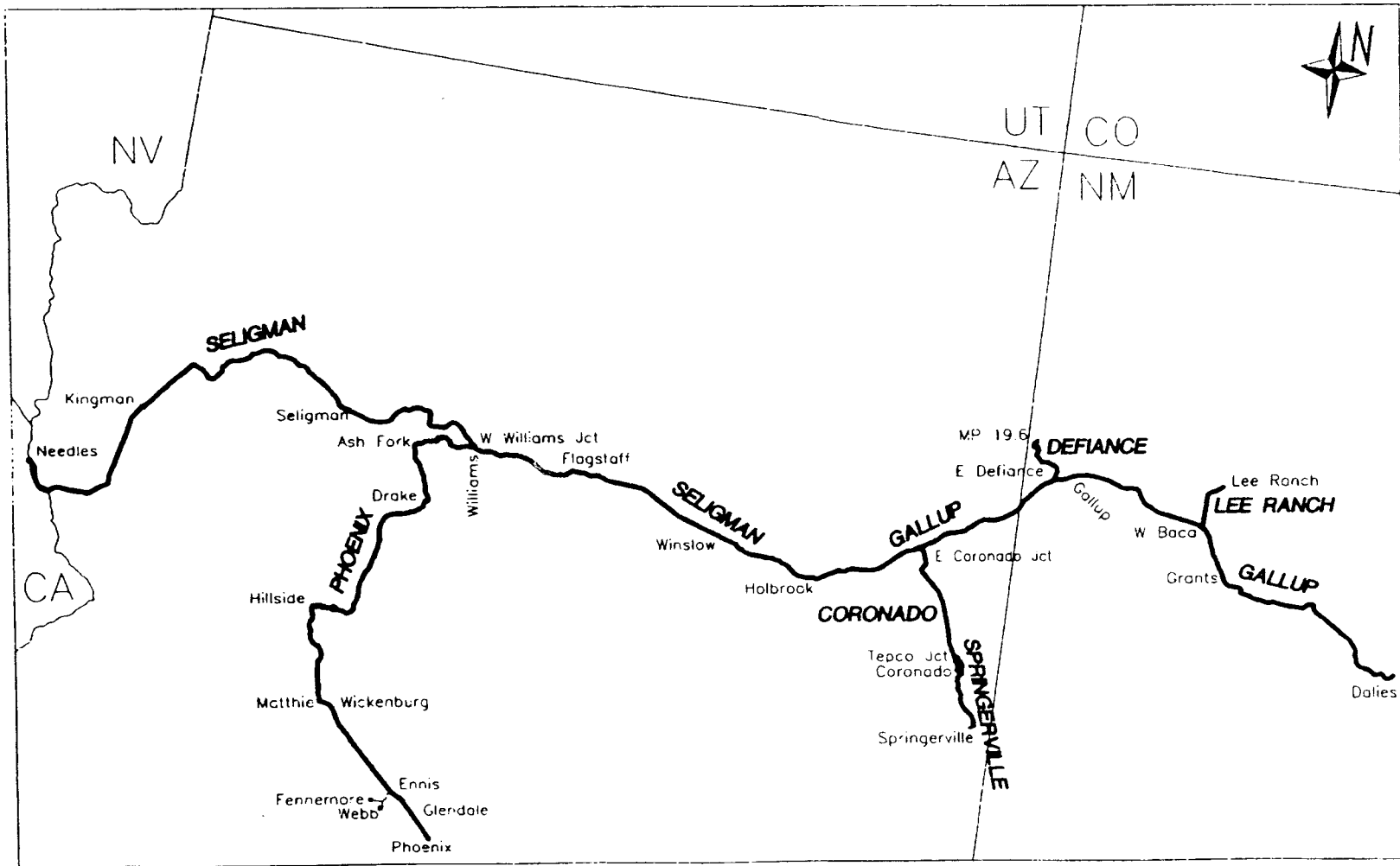
**Thursday August 1, 1996**

**Division Superintendent  
G.W. WILLIAMS  
Winslow, AZ  
(520) 289-7262**

**See Back Cover for Division Operating Supervisor's Names, Locations  
and Phone numbers**

# Burlington Northern Santa Fe

# Arizona Division



# PHOENIX SUBDIVISION

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WEST WARD ↓	Length of Siding In Feet	Station Nos.	Mile Post Location	Phoenix Subdiv MAIN LINE STATIONS		Method of Oper.	Track Diagram	↑ EAST WARD
		20125	375.2	WEST WILLIAMS JCT.				
				2.9				
		20150	378.1	WILLIAMS				
				6.1				
5433		20180	384.2	SERENO				
				20.5				
		20200	401.2	ASH FORK	PR	TWC		
			0.0	21.2				
		20210	21.2	DRAKE	T			
				7.2				
6188		20240	28.4	ABRA				
				6.0				
1480		20270	34.4	KAYFOUR				
				11.8				
6262		20275	46.2	TUCKER				
				20.0				
		20280	80.6	SKULL VALLEY	DT	TWC		
				6.2				
4006		20285	86.8	KIRKLAND				
				8.6				
3460		20290	95.4	GRAND VIEW				
				6.1				
4939		20297	101.5	HILLSIDE				
				8.2				
6452		20305	109.7	DATE		TWC		
				6.7				
1878		20315	116.4	PIEDMONT				
				6.4				
3598		20322	123.2	CONGRESS				
				11.8				
		19550	135.0	MATTHIE	T			
				4.6				
2231		19554	139.6	WICKENBURG				
				10.7				
7453		19558	150.3	CASTLE HOT SPRINGS				
				7.3				
3602		19562	157.6	WITTMANN				
				11.5				
		19566	169.2	BEARDSLEY	DT	TWC		
				4.5				
3022		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			

RADIO COMMUNICATION	Tone Call-In					
	CH.	DS	SC	MC	CQS	EMER
West Williams Jct to Ash Fork	55	1	3	4	7	9
Ash Fork to Phoenix	36	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 378.0 ..... 40 MPH.

MP 378.0 to MP 378.9 ..... 30 MPH.

MP 378.9 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 (NT) (ST) .....	30 MPH.
MP 83.4 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 (NT) (ST) .....	30 MPH.
MP 171.8 to MP 175.1 .....	40 MPH.
MP 175.8 to MP 181.5 .....	25 MPH.
MP 182.5 to MP 190.8 .....	20 MPH.
MP 188.2 (HE only) .....	20 MPH.
MP 190.8 to MP 191.1 .....	20 MPH.
MP 191.0 (HE only) .....	10 MPH.
MP 191.0 to MP 192.9 (HE only) .....	20 MPH.
MP 192.9 to MP 193.7 .....	15 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 north track ..... 30 MPH.

MP 170.1 Beardsley, spring switch, turnout to south track ..... 30 MPH.

MP 80.5 Skull Valley, spring switch, turnout to north track ..... 30 MPH.

MP 81.7 Skull Valley, spring switch, turnout to south track ..... 30 MPH.

**1(D). Speed - Other**

Locomotive cranes/pile drivers, AT-199454 through AT-199468

and Jordan spreaders ..... 45 MPH.

Locomotive cranes/pile drivers must be handled in trains next to engine.

Piledrivers AT-199454 through AT-199468 may travel at Timetable prescribed speed until turned.

Trains or engines handling locomotive cranes/pile drivers, Jordan spreaders, and similar machinery moving on their own running gear, through a turnout must not exceed one-half the maximum authorized speed for that turnout.

Pile drivers AT-199454 through AT-199468 must not be humped or switched with.

See item 1 of the System Special instructions for additional speed restrictions

**2. Bridge and Equipment Weight Restrictions-None**

**3. Method of Operation-**

**Restricted Limits-** in effect:

MP 399.6 to MP 1.0

Ash Fork

MP 181.2 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 181.2

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 SP 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 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 SP tracks on tail of wye, be governed by instructions in box on north side of SP tracks.

At Phoenix, be governed by Rule 9.17 at Signal 9058 which governs movement to the SP passenger main. After entering the SP passenger main, be governed by Rule 6.13, Yard Limits, with a maximum speed of 20 MPH

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.

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.

**Rule 50.4.5**—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 Failed Equipment Detectors (FED)–**

Location	Type	Locators & Signals Affected
Bridge 88.9	High Water	Signs MP 88.0, MP 89.7 & Radio Communication
MP 144.3	High Water	Rotating lights MP 144.9 & 143.4
Bridge 146.6	High Water	Rotating lights MP 145.7 & 147.3
MP 23.5, 46.9, 88.8, 113.9, 137.9, 173.0, 381.6	Hot Box & Dragging Equipment	Radio Communication

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  
 Drake ..... CLIC Tracks 3904 and 3907  
 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–Dock adjacent to Western Electric and insufficient clearance between car spotted on Excell Industries spur and cars on lead track.

Alhambra–CLIC 1004, when spotting Oak Canyon.

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 EOTT, CLIC 0506 and 0507, both tracks hold 3–car spots. Do not go between the tracks due to steam pipes located there, close clearance.

**8. Line Segments-**

## Yard Line Segments

<u>Line Segment</u>	<u>Yard</u>
7252	Mobest Yard

## Road Line Segments-

<u>Line Segment</u>	<u>Limits</u>
7206	Williams Jct. To Daze
7207	Daze to Ash Fork
7208	Ash Fork to Phoenix

**9. Locations Not Shown as Stations**

<u>Name</u>	<u>Miles - Location</u>	<u>Capacity in feet</u>	<u>Switch Opens</u>
Daze	393.3	601	East
Meath	9.2	350	East
Matthie	135.2	1100	Both
Lizard Acres	171.6	948	Both
Surprise	172.5	937	Both

# ENNIS SUBDIVISION

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W E S T W A R D ↓	Length of Siding In Feet	Station Nos.	Mile Post Location	Ennis Subdiv Branch LINE STATIONS		Method of Oper.	Track Diagram	↑ E A S T W A R D
		19578	0.0	ENNIS	R			
				1.1				
		19594	1.1	GOLDBADGE	R			
				2.3				
			3.4	SUN VALLEY	R			
				0.9				
1050	19598	4.3	BUMSTEAD	R				
				1.0				
	19602	5.3	WEBB SPUR	R				
				0.7				
1328		6.0	CALGAS	R				
				0.5				
3230		6.5	REAMS	R				
				1.1				
	19608	7.6	WAYNE	R				
				1.4				
	19616	9.0	FENNEMORE	R				

RADIO COMMUNICATION	Tone Call-In					
	CH	DS	SC	MC	CQS	EMER
Ennis to Fennemore	36	1	3	4	7	9

## 1. Speed Regulations

### 1(A). Speed – Maximum

Ennis Subdivision ..... Freight 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–None

## 3. Method 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 Failed Equipment Detectors (FED)–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 In Feet	Station Nos.	Mile Post Location	Seligman Subdiv MAIN LINE STATIONS		Method of Oper.	Track Diagram	EASTWARD ↑
			284.5	EAST WINSLOW	0.8	2MT CTC ATS		
			285.3	EAST PASS	0.9			
	20500	286.2	WINSLOW	BCPT	0.4	3MT CTC ATS		
			286.6	WEST PASS	1.7			
			288.3	WEST WINSLOW	22.2			
N6436	20440	310.5	EAST CANYON DIABLO		1.6	2MT CTC ATS		
			312.1	WEST CANYON DIABLO	14.6			
	20420	326.7	EAST DARLING		2.8			
			329.5	WEST DARLING	9.3			
			338.8	RAILHEAD	3.3			
			342.1	EAST FLAGSTAFF	2.7	2MT CTC		
	20400	344.8	WEST FLAGSTAFF		9.7			
			354.5	EAST BELLEMONT	1.8			
S4984	20390	356.3	BELLEMONT		6.0			
	20382	362.5	MAINE		11.8			
	20125	374.3	EAST WILLIAMS JCT.		0.7			
			375.0	WEST WILLIAMS JCT.	8.1			
			383.1	EAST PERRIN	2.5			
	20120	385.6	WEST PERRIN		6.4	2MT CTC ATS		
			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		2.2			
			420.5	WEST CROOKTON	7.4			
	20100	427.9	EAST SELIGMAN	T	1.9	2MT CTC		
			429.8	WEST SELIGMAN	17.1			
N5355	19955	446.9	PICA	X	5.2	DT TWC ATS ABS		
N6784 S5329	19950	452.2	YAMPAI	X	7.9			
N4647 S5783	19945	460.2	NELSON	X	5.6			
N5714 S7743	19935	465.8	PEACH SPRINGS	X	11.4			
N5423 S5557	19930	477.3	TRUXTON	X	7.0			
S8376	19925	484.0	VALENTINE	X	17.2	DT TWC ABS ATS		
N5550 S5939	19915	501.3	WALAPAI	X	8.2			
N7130 S7132	19910	509.4	BERRY	TX	4.5			
	19905	513.9	GETZ	X	2.5 (NT) 2.8 (ST)			
	19900	516.4	KINGMAN	BCP	4.8			
N3350	19850	521.2	McCONNICO (NT)		5.1			
S7117	19840	521.5	HARRIS (ST)		5.6			
N5198	19835	526.8	GRIFFITH	X	0.1			

# SELIGMAN SUBDIVISION

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WESTWARD ↓	Length of Siding In Feet	Station Nos.	Mile Post Location	Seligman Subdiv (Cont)		Method of Oper.	Track Diagram
				MAIN LINE STATIONS			
	S9169		526.9	CP 5269		TWC	
				1.9	(NT) TWC-ABS	ABS	
			528.8	CP 5288		(ST) CTC	
				6.8	ATS	ATS	
	S7100	19830	535.6	ATHOS	X	DT	
				4.6		TWC	
	N7115 S5160		540.2	YUCCA	X	ABS	
				11.5		ATS	
			551.7	CP 5517			
				1.0		2MT	
	S9473	19815	552.7	FRANCONIA		CTC	
				0.8		ATS	
			553.5	CP 5535			
				11.6		DT	
	N5357 S5491	19805	565.1	TOPOCK, AZ	X	TWC	
				9.6		ABS	
			574.7	EAST NEEDLES, CA		ATS	
				3.3			
		19800	578.0	NEEDLES NT (294.0)		2MT	
				ST (294.6)	BCPT	CTC	
						ATS	

RADIO COMMUNICATION	Tone Call-In					
	CH	DS	SC	MC	CQS	EMER
East Winslow to West Seligman	55	1	3	4	5&7	9
West Seligman to East Needles	36	1	3	4	5&7	9
East Needles 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.*%		
North Track				
West Seligman to Peach Springs	79 MPH.	55 MPH.*%		
Peach Springs to Needles	90 MPH.	55 MPH.*%		
South Track				
Needles to Getz	79 MPH.	55 MPH.*%		
Getz to Valentine	90 MPH.	55 MPH.*%		
Valentine to West Seligman	79 MPH.	55 MPH.*%		
Against the Current of Traffic				
West Seligman to MP 526.9	59 MPH.	49 MPH.%		
MP 528.8 to MP 551.7	59 MPH.	49 MPH.%		
MP 553.5 to East Needles	59 MPH.	49 MPH.%		

\*See System Special Instruction 1(B)

Westward freight trains averaging more than 80 tons per operative brake must not exceed: 55 MPH between Winslow and Needles

Eastward freight trains averaging more than 80 tons per operative brake must not exceed: 55 MPH, MP 322.7 to MP 316.0

Westward freight trains averaging more than 80 tons per operative brake or having more than 5500 tons must not exceed:

25 MPH, MP 514.4 to MP 518.8-North Track

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.

**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****Both Tracks**

	<b>Passenger</b>	<b>Freight</b>
MP 285.5 to MP 286.4 .....	65 MPH.	55 MPH.
MP 286.5 (HE only) .....	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 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.
<b>North Track</b>	<b>Passenger</b>	<b>Freight</b>
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.

# SELIGMAN SUBDIVISION

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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.
<b>South Track</b>	<b>Passenger</b>	<b>Freight</b>
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 north track .....	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, cross over	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 Bellemont, 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.
Valentine, EE south siding	30 MPH.
Walapai, EE south siding	20 MPH.
Berry, EE south siding	30 MPH.
Berry, WE north siding	30 MPH.
Harris, EE south siding	30 MPH.
Griffith, WE north siding	20 MPH.
MP 526.9 CP 5269 EE south siding	40 MPH.
MP 528.8 CP 5288 WE south siding	40 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	40 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 north track	30 MPH.

## Location of Double Track Crossovers

Station	MP	Points	Turnout Speed
Audley	439.8	Trailing	10
	439.9	Facing*	10
Pica	447.0	Trailing	10
Yampai	452.2	Trailing	10
	453.78	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
Valentine	484.0	Trailing	10
Hackberry	489.7	Facing*	10
	489.8	Trailing	10
Walapai	501.3	Trailing	10
Berry	509.4	Trailing	10
Getz	513.8	Facing*	10

	514.1	Trailing	10
Griffith	526.8	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**

Locomotive cranes/pile drivers, AT-199454 through AT-199468  
and Jordan spreaders ..... 45 MPH.

Locomotive cranes/pile drivers must be handled in trains next to engine.

Piledrivers AT-199454 through AT-199468 may travel at Timetable prescribed speed until turned.

Trains or engines handling locomotive cranes/pile drivers, Jordan spreaders, and similar machinery moving on their own running gear, through a turnout must not exceed one-half the maximum authorized speed for that turnout.

Pile drivers AT-199454 through AT-199468 must not be humped or switched with.

See item 1 of the System Special instructions for additional speed restrictions

**2. Bridge and Equipment Weight Restrictions-None**

**3. Method of Operation-**

CTC-in effect: on Main Tracks

MP 284.5 to MP 429.9 East Winslow to West Seligman

MP 526.9 to MP 528.8 CP 5269 to CP 5288 (South Main Track Only)

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

CTC-in effect: on Yard Track

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 526.9 West Seligman to CP 526.9

MP 526.9 to MP 528.8 CP 5269 to CP 5288-North Track only

MP 528.8 to MP 551.7 CP 5288 to CP 5517

MP 553.5 to MP 574.7 CP 553.5 to East Needles

ABS-in effect:

MP 429.9 to MP 526.9 West Seligman to CP 526.9

MP 526.9 to MP 528.8 CP 526.9 to CP 528.8-North Track only

MP 528.8 to MP 551.7 CP 528.8 to CP 5517

MP 553.5 to MP 574.7 CP 553.5 to East Needles

**Rule 6.26-Multiple Main Tracks-(Except Double Track)**

MP 284.5 to MP 429.9 East Winslow to West Seligman

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

**Rule 6.24-Double Track-**

MP 429.9 to MP 526.9 West Seligman to CP 5269

MP 526.9 to MP 528.8 CP 5269 to CP 5288 (North Track Only)

MP 528.8 to MP 551.7 CP 5288 to CP 5517

MP 553.5 to MP 574.7 CP 553.5 to East Needles

**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
Valentine .....	EE South Siding
Walapai .....	EE South Siding and WE North Siding
Berry .....	EE South Siding and WE North Siding
Harris .....	EE South Siding
Griffith .....	WE North Siding
Athos .....	EE South Siding
Yucca .....	EE South Siding and WE North Siding

**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–**

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

**Rule 6.3**–Movement with the current of traffic may be authorized verbally by the train dispatcher for cross over or other short-distance movements.

**Rule 6.26**–is supplemented by adding: Where two or more main tracks are in service, they will be designated as follows:

1. If two tracks, the track to the right as viewed from a westward or southward train is the North track, the track to the left is the South track.
2. If three tracks, the farthest track to the right as viewed from a westward or southward train is the North track, the farthest track to the left is the South track and the track between the North and South tracks is the Middle track.
3. If four or more tracks, the farthest track to the left as viewed from a westward or southward train is No. 1 track and the tracks to the right thereof are No. 2, No. 3, No. 4 etc., respectively.

**Rule 12.1**–ATS in effect on North track between Maine and East Crookton, Peach Springs and Needles. South track between Getz and Valentine, East Crookton and Maine. Both tracks between East Darling and East Winslow Eastward movements only.

**Rule 14.10**–When running with the current of traffic, it will not be necessary to report limits clear unless so instructed by train dispatcher.

## 5. Trackside Failed Equipment Detectors (FED)–

Location	Type	Locators & Signals Affected
MP 294.2, 315.5, 336.8, 358.3, 377.6, 401.2, 426.9, 452.1, 473.9, 493.3, 512.5, 536.0, 561.6	Hot Box & Dragging Equipment	Radio Communication
MP 379.4–379.8	Rock Slide	Warning lights MP 379.4, MP 379.9 & 380.9 & signals 3781–3783, 3792–3794 & 3812–3814
MP 395.5	Rock Slide	Warning lights MP 393.6, 394.0, 394.5, 394.6, 396.0, 396.4, 397.0, controlled signals MP 395.1 & signals 3972 & 3974
MP 402	Rock Slide	Warning lights MP 401.1 & 402.7 & signals 4001–4003 & 4032–4034
MP 409–411	Rock Slide	Warning lights and signals 4091–4093 & 4112–4114; red rotating lights MP 409, 410 & 411
MP 290.5	High Water	Westward controlled signal MP 287.5 and signals 2912–2914
MP 439.0	High Water	Signals 4381 & 4402
MP 467.7	High Water	Signals 4671 & 4702
MP 505.9	High Water	Signals 5051 & 5082
MP 552.2 & 554.8	High Water	Signals 5511–5531 & 5532–5562 (for both bridges)
MP 562.8	High Water	Signals 5611 & 5632
MP 575.8	High Water	Westward controlled signals, MP 574.7; eastward signals 5772 & 5774; and eastward controlled signal on freight lead, MP 576.9.
MP 305.9 (Both Tracks) (Westward Only)	Dragging Equipment	Rotating lights on posts opposite signals 3071–3073
MP 322.8 (Both Tracks) (Eastward Only)	Dragging Equipment	Rotating lights on posts at signals 3202–3204
MP 480.7 (Both Tracks)	Dragging Equipment	Radio communication
MP 569.2 (South Track)	Dragging Equipment	Rotating lights at MP 568

## 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  
 Stone Container, CLIC 9251  
 Seligman ..... 4286, 4287, (4288-except east 400 feet), 4290  
 Nelson ..... 4602, 4603, 4605, 4606, 4607  
 Berry ..... 5081, 5082, 5089, 5102  
 McConnico ..... 5212  
 Needles ..... 5782, 5784, 5785

**Overhead and Side Obstructions-**

Flagstaff-Building adjacent to track serving Spellman Hardwoods Company, CLIC 9225.

**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	Miles-Location	Capacity in feet	Switch Opens
Dennison (NT)	298.3	520	West
Sunshine (ST)	305.9	3617	Both
Angell (NT)	322.7	Wye	Both
(ST)	322.7	330	Both
Darling	328.6	Yard	Both
Cosnino (NT)	333.1	430	East
(ST)	333.3	1044	Both
Railhead (NT)	339.9	4735	Both
Ralston Purina (ST)	340.2	Yard	Both
Bellemont (ST)	355.9	490	Both
MP 356.3 (NT)	365.3	412	Both
Maine (NT)	362.5	2272	Both
Chalender (ST)	368.1	293	East
(NT)	368.1	360	West
West Perrin (NT)	385.4	560	Both
West Doublea (ST)	395.0	650	Both
West Eagle Nest (NT)	407.2	562	Both
Crookton (NT)	419.0	1877	Both
Audley (ST)	438.8	1000	East
Shipley (NT)	461.4	Yard	West
Hackberry (NT)	489.0	4934	West
(ST)	489.8	1788	Both
Franconia	552.8	5000	West
Powell (ST)	558.8	663	East
Powell (NT)	558.8	620	East

WEST WARD ↓	Length of Siding In Feet	Station Nos.	Mile Post Location	Lee Ranch Subdiv <b>MAIN LINE</b> STATIONS		Method of Oper.	Track Diagram	↑ EAST WARD
		20745	15.4X	LEE RANCH	15.4	R	TWC	
		20740	0.0X 27.3	LEE RANCH JCT.	10.2			
		20736	17.1	AMBROSIA	12.1			
		20730	5.0	ESCALANTE JCT.	4.1			
			0.9	BACA	0.9			
			0.0	WEST BACA		CTC		

RADIO COMMUNICATION	Tone Call-In					
	CH	DS	SC	MC	CQS	EMER
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 north track ..... 40 MPH.  
 East Baca–switch to north track ..... 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

East leg of wye–Baca ..... 40 MPH.  
 Escalante Spur ..... 15 MPH.  
 Locomotive cranes/pile drivers, AT–199454 through AT–199468  
 and Jordan spreaders ..... 30 MPH.

Locomotive cranes/pile drivers must be handled in trains next to engine.  
 Piledrivers AT–199454 through AT–199468 may travel at Timetable prescribed speed until turned.

Trains or engines handling locomotive cranes/pile drivers, Jordan spreaders, and similar machinery moving on their own running gear, through a turnout must not exceed one-half the maximum authorized speed for that turnout.

Pile drivers AT–199454 through AT–199468 must not be humped or switched with.

See item 1 of the System Special instructions for additional speed restrictions

## 2. Bridge and Equipment Weight Restrictions–None

## 3. Method 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 15.4X

**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 Failed Equipment Detectors (FED)—None****6. FRA Excepted Track—None****7. Special Conditions—**

**Lee Ranch**—normal position for loop track switch is lined for counter-clockwise movement.

**8. Line Segments—**

Road Line Segments

Line Segment	Limits
7201	Lee Ranch to West Baca

**9. Locations Not Shown as Stations**

Name	Miles—Location	Capacity in feet	Switch Opens
Wye Storage	0.9	6451	Both
Escalante Spur	5.0	3.2 Miles	West
Ambrosia Storage	17.1	147	Both
Lee Ranch Mine Storage	12.3X	6840	Both
Lee Ranch Coal Loop Storage	14.8X	797	West

WEST WARD	Length of Siding in Feet	Station Nos.	Mile Post Location	Defiance Subdiv <b>BRANCH LINE STATIONS</b>		Method of Oper.	Track Diagram	EAST WARD
		20590	21.7	P&M NORTH	8.2	R	TWC	
		20588	13.5	P&M SOUTH	1.0			
6200		20586	12.5	P&M SIDING	9.5			
		20584	3.0	CARBON JCT.	1.0	R		
5920		20583	2.0	MENTMORE	1.4	R		
			0.6	DEFIANCE	0.6	R		
		20595	0.0	EAST DEFIANCE		CTC		

RADIO COMMUNICATION	Tone Call-In					
	CH	DS	SC	MC	CQS	EMER
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 north track	30 MPH.
West Defiance—switch to north track	30 MPH.
Defiance—switch to west leg of wye	30 MPH.

## 1(D). Speed – Other

West leg of wye—Defiance	30 MPH.
Locomotive cranes/pile drivers, AT–199454 through AT–199468 and Jordan spreaders	20 MPH.
Locomotive cranes/pile drivers must be handled in trains next to engine.	
Pile drivers AT–199454 through AT–199468 may travel at Timetable prescribed speed until turned.	
Trains or engines handling locomotive cranes/pile drivers, Jordan spreaders, and similar machinery moving on their own running gear, through a turnout must not exceed one-half the maximum authorized speed for that turnout.	
Pile drivers AT–199454 through AT–199468 must not be humped or switched with.	

See item 1 of the System Special instructions for additional speed restrictions

## 2. Bridge and Equipment Weight Restrictions–None

## 3. Method 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 Failed Equipment Detectors (FED)-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 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	Miles-Location	Capacity in feet	Switch Opens
Mentmore Storage	1.5	5880	Both
Carbon Coal Loop	3.0	10511	West
P&M South Mine	13.5	4100	West

WEST WARD ↓	Length of Siding In Feet	Station Nos.	Mile Post Location	Coronado Subdiv MAIN LINE STATIONS	Method of Oper.	Track Diagram
			0.0	EAST CORONADO JCT.	CTC	
			0.7	PLATT	TWC	
			19.6	SALT RIVER		
		20550	20.3	19.2		
		20552	39.5	TEPCO JCT.		
	20555	45.4	5.9 CORONADO	R		

RADIO COMMUNICATION	Tone Call-In					
	CH	DS	SC	MC	CQS	EMER
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 south track	40 MPH.
West Coronado Jct, switch to south track	40 MPH.
Platt, switch to west leg of wye	30 MPH.
Tepco Jct, switch to Springerville Subdiv.	40 MPH.
Coronado, spring switch–Coronado Loop track	10 MPH.

#### 1(D). Speed – Other

Locomotive cranes/pile drivers, AT–199454 through AT–199468 and Jordan spreaders 30 MPH.

Locomotive cranes/pile drivers must be handled in trains next to engine.

Piledrivers AT–199454 through AT–199468 may travel at Timetable prescribed speed until turned.

Trains or engines handling locomotive cranes/pile drivers, Jordan spreaders, and similar machinery moving on their own running gear, through a turnout must not exceed one-half the maximum authorized speed for that turnout.

Pile drivers AT–199454 through AT–199468 must not be humped or switched with.

See item 1 of the System Special instructions for additional speed restrictions

### 2. Bridge and Equipment Weight Restrictions–None

### 3. Method 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 Failed Equipment Detectors (FED)–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.

**Overhead and Side Obstructions**—Dumper at MP 44.0

**8. Line Segments—**

Road Line Segments—

<u>Line Segment</u>	<u>Limits</u>	<u>Mile Posts</u>
7204	E. Coronado Jct To Coronado	MP 0.0 to 45.4

**9. Locations Not Shown as Stations**

Name	Miles—Location	Capacity in feet	Switch Opens
Salt River Storage	20.3	514	Both
Coronado Generating Station	42.6	5882	East

W E S T W A R D ↓	Length of Siding In Feet	Station Nos.	Mile Post Location	Springerville Subdiv MAIN LINE STATIONS		Method of Oper.	Track Diagram		↑ E A S T W A R D
			0.0	TEPCO JCT.	A		.....		
			29.7	29.7					
		20560	29.7	SPRINGERVILLE	R	TWC			

Tone Call-In						
RADIO COMMUNICATION	CH	DS	SC	MC	CQS	EMER
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

Speed limit on Tepco Loop Track ..... 15 MPH.

Locomotive cranes/pile drivers, AT-199454 through AT-199468  
 and Jordan spreaders ..... 30 MPH.

Locomotive cranes/pile drivers must be handled in trains next to engine.  
 Piledrivers AT-199454 through AT-199468 may travel at Timetable prescribed speed until turned.

Trains or engines handling locomotive cranes/pile drivers, Jordan spreaders, and similar machinery moving on their own running gear, through a turnout must not exceed one-half the maximum authorized speed for that turnout.

Pile drivers AT-199454 through AT-199468 must not be humped or switched with.

See item 1 of the System Special instructions for additional speed restrictions

2. Bridge and Equipment Weight Restrictions–None

3. Method 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 Failed Equipment Detectors (FED)–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–**

- 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	Miles--Location	Capacity in feet	Switch Opens
Carrizo Storage	1.8	653	Both
Tucson Electric Power Co.	26.1	3700	East

WEST WARD ↓	Length of Siding in Feet	Station Nos.	Mile Post Location	Gallup Subdiv MAIN LINE STATIONS		Method of Oper.	Track Diagram	EAST WARD ↑
			0.0	BELEN JCT.	BCT	6MT CTC		
			5.5	5.5 CP 55				
				4.6				
S5314	20870	10.1-27.4		DALIES		2MT CTC ATS		
				8.7				
	20862	33.9		RIO PUERCO				
S6768	20840	47.2		No. 13.5 So. 14.6 SUWANEE				
				11.6				
	20830	58.7		MARMON				
				11.7				
	20810	71.1		LAGUNA		2MT CTC		
				11.6				
	20784	82.7		McCARTYS				
				11.6				
S6620	20770	94.3		EAST GRANTS				
				4.0				
N5842		98.3		WEST GRANTS				
				8.9				
S5844 N6758	20750	107.2		BLUEWATER				
				6.1				
	20720	113.3		EAST BACA	T			
				1.5				
		114.8		WEST BACA	T			
				No. 2.9				
	20705	117.7		EAST PEGS	T			
				No. 0.8 So. 10.8				
		118.5		WEST PEGS	T			
				No. 7.1				
S7128	20690	125.6		THOREAU	T	2MT CTC ATS		
				3.2				
	20680	128.8		GONZALES				
				No. 17.1 So. 15.6				
	20640	143.0		PEREA				
				6.3				
S5270	20620	149.3		MCCUNE				
				2.3				
N8534	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, NM	T			
				13.4				
N6737	20580	180.4		LUPTON, AZ	X	DT TWC ABS ATS		
				10.9				
N7220 S6750	20575	191.2		HOUCK	X			
				8.0				
S5259	20570	199.7		CHETO	X			
				15.0				
		214.8		EAST CORONADO JCT.	T	2MT CTC ATS		
				1.1				
		215.9		WEST CORONADO JCT.	T			
				3.2				
N6437 S7107	20540	219.2		PINTA	X			
				12.1				
N6769 S5718	20535	232.3		ADAMANA	X			
				20.7				
N6820 S5687	20525	253.0		HOLBROOK	PX	DT TWC ABS ATS		
				5.6				
S7505	20515	258.6		PENZANCE				
				3.7				
S3599	20510	262.4		JOSEPH CITY	X			
				12.2				
N7155 S5621	20505	274.8		HIBBARD	X			
				9.7				
	20500	284.5		EAST WINSLOW	BCT	2MT CTC ATS		
				NORTH TRACK (270.0)				
				SOUTH TRACK (269.6)				

RADIO COMMUNICATION	Tone Call-In					
	CH	DS	SC	MC	CQS	EMER
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

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*%.
South Track	
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*%.
North Track	
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 (ST)	
Eastward	
MP 10.0 to MP 0.2	30 MPH.

**1(B). Speed – Permanent Restrictions**

South Track	Passenger	Freight
MP 0.1 to MP 0.5		30 MPH.
MP 6.7 to MP 10.2		55 MPH.
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 (HE only)	30 MPH.	30 MPH.
MP 157.6 to MP 158.3	45 MPH.	30 MPH.
MP 160.7 to MP 160.9	85 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 (HE only)	70 MPH.	
MP 264.2 to MP 264.4	80 MPH.	
MP 284.6 to MP 285.5	65 MPH.	55 MPH.
<b>North Track</b>	<b>Passenger</b>	<b>Freight</b>
MP 285.5 to MP 284.6	65 MPH.	55 MPH.
MP 264.4 to MP 264.2	80 MPH.	
MP 253.1 (HE only)	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	85 MPH.	
MP 158.3 to MP 157.6	45 MPH.	30 MPH.
MP 157.9 to MP 157.6 (HE only)	30 MPH.	30 MPH.
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.
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.

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.
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.
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.
South Main Track, MP 284.9	50 MPH.
East Pass Yard Track No 1, MP 285.3	20 MPH.

**1(D). Speed – Other**

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 and 1617, Yard Tracks, 1606–1613
Houck	1922
Pinta	2192
Holbrook	8538 and 8539
Winslow, Duke City Lumber	2945

Westward trains handling paper from Snowflake will not exceed 60 MPH. Crews of trains handling these cars should make close observation of these cars and take necessary action to insure safety. Trains picking these cars up at Holbrook may handle on head end of train to Winslow at speed not to exceed 60 MPH.

Locomotive cranes/pile drivers, AT-199454 through AT-199468

and Jordan spreaders ..... 45 MPH.

Locomotive cranes/pile drivers must be handled in trains next to engine.

Pile drivers AT-199454 through AT-199468 may travel at Timetable prescribed speed until turned.

Trains or engines handling locomotive cranes/pile drivers, Jordan spreaders, and similar machinery moving on their own running gear, through a turnout must not exceed one-half the maximum authorized speed for that turnout.

Pile drivers AT-199454 through AT-199468 must not be humped or switched with.

**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 (NT)	100 degrees	40 MPH
MP 119.0 to MP 124.1 (NT)	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--None

## 3. Method 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

## 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--

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

**Rule 6.3**--Movement with the current of traffic may be authorized verbally by the train dispatcher for crossover or other short-distant movements.

**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 6.26**--Where two or more main tracks are in service, they will be designated as follows:

1. If two tracks, the track to the right as viewed from a westward or southward train is the **North** track, the track to the left is the **South** track.
2. If three tracks, the farthest track to the right as viewed from a westward or southward train is the **North** track, the farthest track to the left is the **South** track and the track between the North and South tracks is the **Middle** track.
3. If four or more tracks, the farthest track to the left as viewed from a westward or southward train is **No. 1** track and the tracks to the right thereof are **No. 2**, **No. 3**, **No. 4**, etc., respectively.

**Rule 12.1**--ATS in effect on both tracks between Dalies and Marmon, in both directions; on South Track between Gonzales and East Winslow, westward movements only; on North Track between East Winslow and Gallup, eastward movements only; and on North Track between Gonzales and MP 85.9, eastward movements only.

**Rule 14.10**--When running with the current of traffic, it will not be necessary to report limits clear unless so instructed by train dispatcher.

## 5. Trackside Failed Equipment Detectors (FED)--

## A. Protecting bridges, tunnel or other structures--

Location	Type	Locators & Signals Affected
MP 908.7	High Water	Eastward signal 9092 Westward controlled signal MP 906.4

Bridges 69.8 and 70.1	High Water	Westward signals 681 & 683 Eastward controlled signals Laguna MP 71.2
Bridge 72.6	High Water	Signals 721, 723, 752 & 754
Bridge 91.5	High Water	Signals 901, 903, 922 & 924
Bridge 141.8X	High Water	Signal 1411 & eastward controlled signals Perea
Bridge 150.5	High Water	signal 1481, 1483, 1502 & 1504
Bridge 239.4	High Water	signals 2391 & 2392

## B. Other FED locations

Location	Type	Locators & Signals Affected
MP 28.3, 65.8, 90.5, 111.1, 153.9, 176.9, 202.4, 225.2, 247.4, 270.4 (Both Tracks) (Bi-Directional)	Hot Box & Dragging Equip.	Radio communication
MP 44.5, 131.3X (North Track) (Bi-Directional)	Hot Box & Dragging Equip.	Radio communication
MP 45.7X, 131.3 (South Track) (Bi-Direction)	Hot Box & Dragging Equip.	Radio communication
MP 174.8	Rock Slide	Signals 1741, 1752 & rotating red warning lights at MP 174.8 & 175.1

## 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, between 10 and 11 poles west of MP 125. Watch your footing.

## 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
7305	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	Miles-Location	Capacity in feet	Switch Opens
North Track			
Rio Puerco	34.2	852	Both
Garcia	42.2	1254	East
Suwanee	45.8	3220	Both
Quirk North Set Out	63.5	931	East
Laguna	67.9	2649	Both
Acomita	76.3	1490	Both
Anzac	86.5	488	East
Reid	100.7	4944	Both
West Baca	114.1	1000	Both
North Guam	136.7	972	Both
Wingate	146.5	2277	Both
Chambers	205.9	3455	Both
Navajo	213.3	2247	Both
Arntz	245.2	584	East
South Track			
Garcia	42.2x	1054	East
Quirk South Set Out	63.5	458	East
Laguna	69.7	2550	Both
Anzac	86.1	2059	Both
Reid	101.6	384	West
West Baca	114.4	1000	Both
South Guam	136.2	3440	West
Ciniza	138.9	3093	Both
Chambers	206.1	1829	West
Navajo	212.7	941	Both
Arntz	245.9	737	West

**Division Officers**  
**Public (520) 289-EXT**

D D JENSEN	Supt. Operations	Winslow	881-7273
T P DUNCAN	Mgr. Safety/Rules	Winslow	881-7309
W R BRYANT	Road Foreman of Eng.	Winslow	881-7361
J.W. RADFORD	Trainmaster	Winslow	881-7270
D D McCALLEY	Trainmaster	Winslow	881-7272
W.S. SMITH	Trainmaster	Winslow	881-7272
D.K. BOSSOLONO	Gen. Equip. Foreman	Winslow	881-7220
L.A. REYES	Roadmaster	Winslow	881-7256

**Public (505) 864-EXT**

D.J. McGREGOR	Road Foreman of Eng.	Belen	854-5165
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**Public (505) 722-EXT**

J.C. CECH	Roadmaster	Gallup	883-2776
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C W SCHIELE	Gen. Roadmaster	Flagstaff	880-2754
C D McPHETRIDGE	Roadmaster	Flagstaff	880-2712

S L MARINO	Roadmaster	Kingman	881-7226
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**Public (619) 326-EXT**

G.M. O'DELL	Road Foreman of Eng.	Needles	885-5415
G.M. HOOTEN	Trainmaster	Needles	885-5446

**Public (602) 245-EXT**

V.L. COLBERT	Supt. Operations	Phoenix	882-5828
P.F. THOMAS	Road Foreman of Eng.	Phoenix	882-5805
D.G. KEADY	Trainmaster	Phoenix	882-5802
R.C. CHILELLI	Roadmaster	Phoenix	882-5803