

ILLINOIS DIVISION

G. B. LUNDAY, Trainmaster Chillicothe, Il
 R. A. HOLDAWAY, Trainmaster Ft. Madison, Ia
 P. D. MCKENNON, Trainmaster Marceline, Mo
 L. L. BARNARD, Asst. Trainmaster McCook, Il
 W. D. JOHNSON, Asst. Trainmaster McCook, Il
 J. D. CONAWAY, Road Foreman of Engines Corwith, Il
 M. E. BROOKS, Road Foreman of Engines Marceline, Mo
 D. S. HYDER, Rules Examiner Ft. Madison, Ia
 T. L. RINKER, Safety Supervisor Ft. Madison, Ia

CHICAGO TERMINAL DIVISION

N. A. WELLS, Asst. Superintendent Corwith, Il
 G. J. HIGGINS, Trainmaster Corwith, Il
 W. J. EPPERSON, Trainmaster Corwith, Il
 B. R. HOWARD, Trainmaster Corwith, Il
 C. S. FORBES, Trainmaster Corwith, Il
 R. PEDROZA, Asst. Trainmaster-Amtrak Chicago, Il
 L. D. KRONE, Asst. Trainmaster Corwith, Il
 H. H. PLUMER, Asst. Trainmaster Corwith, Il
 T. R. MATROS, Safety Supervisor Corwith, Il

KANSAS CITY DIVISION

D. E. PARSONS, Asst. Superintendent Argentine, Ks
 J. L. SULLIVAN, Asst. Superintendent Argentine, Ks
 F. S. KOWALCZYK, Trainmaster Argentine, Ks
 B. D. JOHNSTON, Trainmaster Argentine, Ks
 B. R. DAVIS, Trainmaster Argentine, Ks
 W. H. PITTS, Trainmaster Argentine, Ks
 J. M. LOTZ, Road Foreman of Engines Argentine, Ks
 T. R. ADAMS, Asst. Trainmaster Argentine, Ks
 H. J. RAWLINGS, Asst. Trainmaster Argentine, Ks
 J. D. JOHNSON, Asst. Trainmaster Argentine, Ks
 R. L. GIBSON, Asst. Trainmaster Argentine, Ks
 R. L. DECANEY, Asst. Trainmaster Argentine, Ks
 G. T. HARDCASTLE, Asst. Trainmaster Argentine, Ks
 W. F. MCGINN, Asst. Trainmaster Argentine, Ks
 G. A. CHANDLER, Asst. Trainmaster Argentine, Ks
 C. E. TRESSLER, Safety Supervisor Argentine, Ks

EASTERN LINES

C. L. HOLMAN, Asst. Gen. Mgr.-Engineering Topeka, Ks
 H. L. HAWKINS, Asst. Gen. Mgr.-Mechanical Topeka, Ks
 B. R. TUCKER, Supvr. of Air Brakes-Gen. RFOFE Topeka, Ks
 W. J. McMEANS, Trainmaster-RFOFE-AMTRAK Topeka, Ks

H. L. LOVELADY, Chief Dispatcher Ft. Madison, Ia
 M. D. THOMPSON, Asst. Chief Dispr. Ft. Madison, Ia
 R. J. SANFORD, Asst. Chief Dispr. Ft. Madison, Ia
 E. M. CHADWICK, Asst. Chief Dispr. Ft. Madison, Ia

TRAIN DISPATCHERS—FT. MADISON

R. G. BUCKINGHAM C. M. GULLEY B. L. SMETZER
 J. D. HUNTER C. M. MATTA B. GREENIG
 R. J. ALEXANDER G. D. WYLIE S. C. SHOTTS
 E. A. DENT J. M. MUNOZ D. S. SOVERN
 J. T. SEVIER J. C. ANDREWS J. R. HARTLEY
 J. L. AUSTIN

SPEED TABLE

Table of speeds (minutes and seconds per mile, in terms of miles per hour).

| Time Per Mile Min. Sec. | Miles Per Hour | Time Per Mile Min. Sec. | Miles Per Hour | Time Per Mile Min. Sec. | Miles Per Hour |
|----------------------------|----------------|----------------------------|----------------|----------------------------|----------------|
| 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 | 4 30 | 13.3 |
| 56 | 64.2 | 1 36 | 37.5 | 5 | 12.0 |
| 57 | 63.2 | 1 38 | 36.8 | 6 | 10.0 |

**The Atchison, Topeka and Santa Fe
Railway Co.**

EASTERN LINES

ILLINOIS DIVISION

TIME TABLE NO.

9

IN EFFECT

Monday, October 1, 1979

At 12:01 A. M.

Central Standard Time

**This Time Table is for the exclusive use and
guidance of employes**

H. J. BRISCOE **C. R. ROSE**
 General Manager Asst. General Manager
 Topeka, Kansas Topeka, Kansas

B. J. HEATH
 Ft. Madison, Iowa
D. D. DIDIER
 Corwith, Illinois
M. F. SMITH
 Argentine, Kansas
 Superintendents

2 FIRST DISTRICT

ILLINOIS DIVISION

| WEST- WARD | Capacity of Sidings in Feet | Ruling Grade Ascending | TIME TABLE | Ruling Grade Ascending | Mile Post | Communications Turn Tables and Wyes | EAST- WARD |
|-----------------|--------------------------------|--|---------------------|---------------------------|-----------|--|----------------|
| First Class | | | No. 9 | | | | First Class |
| 3 | | | October 1, 1979 | | | | 4 |
| Leave Daily | Feet Per Mile | STATIONS | Feet Per Mile | Arrive Daily | | | |
| PM 4.30 | | CHICAGO Union Station 1.6 | | PM 3.05 | | | |
| | | Ft. Wayne Jct. (ICG) | | | | | |
| | | A. T. & S. F. Jct. 0.1 | 1.3 | | | | |
| | | CR-C&WI Cros. 0.7 | 1.4 | | | | |
| | | Halsted St. (ICG) 1.0 | 2.1 | | | | |
| | | Bridgeport 1.3 | 3.1 | | | | |
| | 26.4 | Ash Street CRI-BOCT-CR Crossing 1.5 | 26.4 | | | | |
| | 35.8 | I.N. Crossing CORWITH 1.4 | 0 | | | | |
| | 0 | NERSKA Chicago Belt Crossing 5.5 | 0 | Y R C | | | |
| | 6395 | McCOOK 0.1 | 0 | R C | | | |
| | 0 | B. & O. C. T. Crossing 4.5 | 0 | | | | |
| | 0 | WILLOW SPRINGS 5.6 | 0 | | | | |
| | 0 | ARGONNE 2.1 | 0 | | | | |
| | 0 | LEMONT 4.2 | 13.7 | C | | | |
| | 0 | ROMEO 3.4 | 10.6 | | | | |
| | 10.6 | LOCKPORT 3.5 | 10.6 | C | | | |
| | 10.6 | JOLIET YARD 1.3 | 10.6 | TR C | | | |
| s 5.20 | 0 | JOLIET U.S. C. R. I. & P. Crossing 4.0 | 15.8 | C s 1.50 | | | |
| 5.24 | 15.8 | PLAINES 6.6 | 14.5 | 1.36 | | | |
| | 6.1 | DRUMMOND 4.6 | 9.9 | | | | |
| | 9.1 | LORENZO 4.4 | 0 | | | | |
| 5.37 | 8.7 | PEQUOT 1.0 | 0 | 1.20 | | | |
| | 10.2 | COAL CITY 7.9 | 4.7 | | | | |
| | 15.8 | MAZON 4.7 | 0 | | | | |
| | 13.7 | VERONA 4.0 | 0 | | | | |
| | 15.8 | KINSMAN 5.0 | 0 | | | | |
| | 0 | RANSOM 4.6 | 15.8 | | | | |
| | 0 | KERNAN 5.2 | 15.8 | | | | |
| f 6.05 | 0 | STREATOR 0.2 | 0 | f 12.45 PM | | | |
| | 0 | ICG & CR Crs'g. 0.4 | 10.1 | | | | |
| | 0 | N. & W. Crossing 5.6 | 0 | | | | |
| | 0 | ANCONA 6.3 | 0 | | | | |
| | 15.8 | LEEDS 7.8 | 21.1 | | | | |
| | 26.4 | TOLUCA 6.0 | 25.2 | | | | |
| | 0 | LA ROSE 4.9 | 26.4 | | | | |
| | 26.4 | WILBERN 9.1 | 26.4 | | | | |
| s 6.40 PM | | CHILlicothe | 130.0 | TR C 11.55 AM | | | |
| Arrive Daily | | (130.1) | | Leave Daily | | | |
| 60.0 | | Average speed per hour | | 41.1 | | | |

TCS IN EFFECT:

Main track between AT&SF Jct. and Bridgeport, ICG northward and southward main tracks between Ft. Wayne Jct. and Bridgeport, main tracks between Bridgeport and Joliet U.S., main tracks between Pequot and Chillicothe.

RULE 251 IN EFFECT:

ICG eastward and westward main tracks between AT&SF Jct. and Ash Street, ICG main tracks between Joliet U.S. and South Joliet, main tracks between Joliet U.S. and Pequot.

Between AT&SF Jct. and Bridgeport from the south, first track is AT&SF main track, second and third tracks are ICG eastward and westward main tracks and fourth and fifth tracks are ICG northward and southward main tracks. Tracks are numbered 1 through 5 from the south.

Between Bridgeport and Ash Street from the south, first and second tracks are AT&SF main tracks, third and fourth tracks are ICG eastward and westward main tracks. Tracks are numbered 1 through 4 from the south.

AT&SF psgr trains use Chicago Union Station Company tracks between Chicago Union Station and Ft. Wayne Jct. and be governed by Chicago Union Station Rules and Instructions and use ICG northward and southward main tracks between Ft. Wayne Jct. and Bridgeport and be governed by provisions Special Rule 5.

AT&SF trains or engines may use ICG main tracks between Ft. Wayne Jct.-AT&SF Jct. and Ash Street and be governed by provisions Special Rule 5.

Movement between bridge signals located at MP 4 plus 714 feet and MP 4 plus 3046 feet must be made at restricted speed. Switches within these limits must not be operated without authority of control station.

AT&SF trains may use ICG main tracks between Joliet U.S. and Plaines when authorized by train order or by control station and be governed by provisions Special Rule 5.

Proceed indication on westward ICG interlocking signal at Plaines authorizes an ICG train to run extra Plaines to Pequot.

Proceed indication on eastward ICG interlocking signal at Pequot authorizes an ICG train to run extra Pequot to Plaines.

TRACK SIDE WARNING DETECTORS

HOT BOX DETECTORS

| Detector location | Locator location |
|-------------------|--|
| MP 32.5 | Eastward MP 29.4 Westward MP 34.1 |
| MP 68.3 | Eastward MP 66.5 Westward MP 70.6 |
| MP 100.2 | Eastward MP 98 Westward MP 102.2 |
| MP 125.3 | Eastward MP 123.6 Westward MP 127.5 |

When detector actuated will display rotating white light on field side at Detector and Locator locations. Dragging equipment will also actuate alarms.

See Special Rule 13.

Trains originating Chicago, Corwith, Joliet Yard, Streator including trains from Con-Rail, and Chillicothe, except first class trains at Chillicothe, must secure clearance card.

Between Pequot and Chillicothe, all block signals equipped with number plates are located on field side of track they govern.

SPECIAL RULES

1. SPEED REGULATIONS

(A) MAXIMUM AUTHORIZED SPEED

| BETWEEN: | MPH | |
|--|------|-----|
| | Psg. | Fr. |
| Ft. Wayne Jct. and Bridgeport (ICG) | 40 | 30 |
| AT&SF Jct. and Bridgeport (AT&SF) | 10 | 10 |
| AT&SF Jct. and Ash Street (ICG) | 30 | 30 |
| Bridgeport and Chillicothe | 79 | 60* |
| Joliet U.S. and South Joliet (ICG) | 30 | 10 |
| South Joliet and Plaines (ICG) | 60 | 30 |
| Joliet U.S. and Pequot (Against Current of Traffic) | 55 | 40 |

*Maximum authorized speed for freight trains when averaging 90 tons and over per car, or over 5,000 tons total 45 MPH
Maximum authorized speed of freight trains handling one or more empty cars (Cabooses and cars loaded with empty trailers or empty containers are considered loads) 55 MPH
Freight trains may observe passenger train speed but not to exceed 70 MPH, except eastward between Pequot and Plaines, provided:

- (1) Maximum authorized speed is 60 MPH for freight trains.
- (2) Train does not exceed 5,000 tons.
- (3) Train does not exceed 90 cars.
- (4) Train does not average more than 75 tons per car.
- (5) Locomotive can control speed to 70 MPH without use of air brakes.

(B) SPEED RESTRICTIONS - CURVES, RR CROSSINGS, AND BRIDGES

| | MPH |
|---|-----|
| RR Crossing M.P. 1.4 (Interlocking) | 20 |
| Curves, Halsted St. (ICG) | 25 |
| Interlocking M.P. 3.1 | 20 |
| 2 Curves, M.P. 3.2 to 4.0 | 35 |
| RR Crossing M.P. 4.4 (Interlocking) | 15 |
| RR Crossing M.P. 5.9 (Interlocking) | 60 |
| RR Crossing M.P. 7.3 (Interlocking) | 40 |
| 2 Curves, M.P. 9.0 to 9.4 | 50 |
| 2 Curves and Bridge, M.P. 9.7 to 10.3 | 30 |
| 2 Curves, M.P. 10.7 to 12.9 | 60 |
| RR Crossing M.P. 12.9 (Interlocking) | 60 |
| Curve, M.P. 18.7 to 19.2 | 70 |
| Curve, Bridge and 2 Curves, M.P. 23.9 to 25.4 | 40 |
| 2 Curves, M.P. 25.6 to 25.9 | 45 |
| 2 Curves, M.P. 27.4 to 28.7 | 55 |
| Curve, M.P. 29.1 to 29.2 | 60 |
| Curve, M.P. 32.6 to 32.9 | 60 |
| 2 Curves, M.P. 33.1 to 34.6 | 70 |
| 2 Curves, M.P. 35.1 to 35.6 (North Track) | 70 |
| 4 Curves, M.P. 35.3 to 35.8 (South Track) | 60 |
| 2 Curves, M.P. 36.1 to 36.6 (South Track) | 40 |
| Curve, M.P. 36.3 to 36.6 (North Track) | 40 |
| 4 Curves, M.P. 36.8 to 37.4 | 25 |
| RR Crossing M.P. 37.5 (Interlocking) | 25 |
| Curve, M.P. 37.8 to 37.9 | 45 |
| Curve, M.P. 38.3 to 38.9 | 50 |
| Curve, M.P. 39.4 to 39.6 | 70 |
| Curve, M.P. 40.6 to 41.1 (South Track) | 50 |
| 4 Curves, M.P. 40.6 to 43.4 (North Track) | 75 |
| 1 Curve M.P. 43.5 to 44.6 (North Track) | 70 |
| 3 Curves, M.P. 44.8 to 46.0 (North Track) | 75 |
| Curve, M.P. 41.7 to 41.8 (South Track) | 50 |
| Curve, M.P. 43.6 to 44.7 (South Track) | 50 |
| 3 Curves, M.P. 57.0 to 57.3 (South Track) | 40 |
| 3 Curves, M.P. 57.0 to 58.2 (North Track) | 65 |
| 2 Curves, M.P. 58.0 to 58.7 (South Track) | 50 |
| Curves, M.P. 58.4 to 58.7 (North Track) | 50 |

| | |
|--|----|
| 3 Curves, M.P. 88.2 to 89.3 | 50 |
| 2 Curves and 2 RR Crossings M.P. 89.5 to 90.3 (Interlocking) | 35 |
| Curve, M.P. 95.7 to 96.5 | 75 |
| 3 Curves, M.P. 117.0 to 118.7 | 70 |

(C) SPEED RESTRICTIONS—SWITCHES

Maximum speed permitted through turnout of switches, except main track switches listed below, 10 MPH.

Trains and engines using other than main track must not exceed turnout speed for that track.

"I"—Interlocked Switch.

"S"—Spring Switch.

| Station or MP | Type | Location | MPH |
|----------------------------|------|--|-----|
| AT&SF Jct. (AT&SF) | I | Crossovers and turnouts | 10 |
| Ft. Wayne Jct. (ICG) | I | Turnouts and Bridge | 10 |
| Bridgeport | I | Crossovers, turnouts and Bridge | 20 |
| Corwith | I | East leg of wye | 10 |
| | I | Crossovers and turnouts east and west of IN Crossing | 10 |
| Nerska | I | Crossover | 15 |
| McCook | I | Both ends siding | 20 |
| MP 14.2 | I | Crossover | 40 |
| MP 14.5 | I | Switch to GM Yard | 30 |
| Willow Springs | I | Crossovers | 40 |
| Romeo | I | Crossovers | 40 |
| Joliet Yard | I | Eastward head-in switch | 30 |
| | S | Head-out switch MP 36.4 | 30 |
| Joliet U.S. | I | Crossovers MP 37.2 to 37.9 | 15 |
| Plaines | I | ICG to AT&SF | 40 |
| | S | West end connection ICG to AT&SF | 30 |
| Pequot | I | AT&SF to ICG | 40 |
| | I | Crossovers | 40 |
| Verona | I | Crossovers | 40 |
| | I | West end auxiliary track | 40 |
| Kernan | I | Crossovers | 40 |
| MP 87.2 | I | Turnout | 10 |
| Streator | I | Crossovers and turnout, N&W Crossing | 30 |
| | S | CR Connection MP 91.5 | 20 |
| Ancona | I | Crossovers | 40 |
| | I | Turnout Pekin District | 30 |
| Toluca | I | Crossovers | 40 |
| Chillicothe, East end yard | I | Crossover | 40 |
| | I | Turnout yard lead | 30 |
| Chillicothe, West end yard | I | Turnout yard lead | 30 |
| | I | Crossover | 40 |

2. OVERHEAD AND SIDE OBSTRUCTIONS (Rule 759)

| Mile Post | Name |
|-----------|------------------|
| 35.4 | Railroad Viaduct |
| 116.9 | Railroad Viaduct |

3. TRACKS BETWEEN STATIONS

| Name | Location | Capacity (Feet) |
|-----------------------------|----------|-----------------|
| Waterways Terminal | MP 9.7 | 3,600 |
| General Motors Yard | MP 14.5 | East Lead |
| Industry Spur | MP 14.6 | 2,750 |
| General Motors Yard | MP 16.5 | West Lead |
| Lemont Manufacturing (Ceco) | MP 26.0 | Yard |
| Union Oil Co. | MP 27.8 | Yard |
| Millsdale Spur | MP 46.1 | 350 |
| Mobil Oil | MP 47.6 | lead |
| Blodgett Ordnance | MP 50.3 | lead |
| Industry Spur | MP 51.1 | lead |
| Gorman Spur | MP 61.9 | 350 |

| WEST- WARD | Capacity of Sidings in Feet | Ruling Grade Ascending | TIME TABLE No. 9 October 1, 1979 | Ruling Grade Ascending | Mile Post | Communications Turn Tables and Wyes | EAST- WARD |
|-----------------|--------------------------------|---------------------------|--|---------------------------|-----------|--|-----------------|
| First Class | | | | | | | First Class |
| 3 | | | | | | | 4 |
| Leave Daily | | Feet Per Mile | STATIONS | Feet Per Mile | | | Arrive Daily |
| PM 6.40 | | | CHILlicothe | | | | AM 11.55 |
| | | 58.1 | 8.0 | 31.7 | 130.0 | T R C | |
| | | 31.7 | EDELSTEIN 6.6 | 31.7 | 138.1 | | |
| | | 31.7 | PRINCEVILLE 3.6 | 23.2 | 144.7 | | |
| | | 0 | MONICA BN Crossing 5.2 | 31.7 | 148.3 | | |
| | 5340 | 13.5 | LAURA 4.9 | 19.3 | 153.5 | | |
| | | 8.4 | WILLIAMSFIELD 7.6 | 31.7 | 158.4 | | |
| | | 31.7 | APPLETON 7.8 | 0 | 166.0 | | |
| | | 31.7 | YOST 3.7 | 15.3 | 173.7 | | |
| 7.25 | | 21.9 | GALESBURG 2.5 | 7.4 | 177.5 | R C | 11.10 |
| | 6793 | 21.9 | G. I. 6.0 | 7.4 | 180.0 | Y | |
| | | 28.2 | CAMERON 5.9 | 31.3 | 186.0 | | |
| | 5062 | 0 | ORMONDE 5.2 | 31.2 | 191.9 | | |
| | | 23.2 | PONEMAH 4.4 | 12.1 | 197.1 | | |
| | | 12.1 | SMITHSHIRE 3.1 | 31.7 | 201.5 | | |
| | | 13.5 | MEDIA 4.3 | 31.2 | 204.6 | | |
| | | 26.1 | STRONGHURST 10.0 | 31.7 | 208.9 | | |
| 7.58 | | 10.6 | LOMAX 5.9 | 18.0 | 218.9 | | 10.34 |
| | | 0 | DALLAS CITY 6.1 | 14.5 | 224.8 | | |
| | | 21.1 | NIOTA 3.4 | 23.9 | 230.9 | | |
| 8.20 | 10490 | | FT. MADISON | | 234.3 | T Y R C | 10.15 |
| PM | | | | | | | AM |
| Arrive Daily | | | (104.2) | | | | Leave Daily |
| 62.5 | | | Average speed per hour | | | | 62.5 |

TCS IN EFFECT:

Main tracks between Chillicothe and Ft. Madison, and on sidings G.I. and Ft. Madison.

Between Chillicothe and Niota, all block signals equipped with number plates are located on field side of track they govern.

Trains must secure clearance card at Chillicothe and Ft. Madison, except first class trains at Chillicothe.

Proceed indication on TP&W interlocking signal at Lomax authorizes a TP&W train to run extra Lomax to Ft. Madison.

TRACK SIDE WARNING DETECTORS

HOT BOX DETECTORS

| Detector location | Locator location |
|-------------------|--|
| MP 168.1 | Eastward, MP 165.9 Westward, MP 170.6 |
| MP 197.1 | Eastward, at Signal 1942 Westward, MP 199.8 |
| MP 226.9 | Eastward, MP 225.1 Westward, MP 229.4 |

When detector actuated will display rotating white light on field side at Detector and Locator locations. Dragging equipment will also actuate alarms.

See Special Rule 13.

SPECIAL RULES

1. SPEED REGULATIONS

(A) MAXIMUM AUTHORIZED SPEED

| BETWEEN: | MPH | |
|-----------------------------|------|-----|
| | Psg. | Fr. |
| Chillicothe and Ft. Madison | 79 | 60* |

*Maximum authorized speed for freight trains when averaging 90 tons and over per car, or over 5,000 tons total 45 MPH

Maximum authorized speed of freight trains handling one or more empty cars (Cabooses and cars loaded with empty trailers or empty containers are considered loads) 55 MPH

Freight trains may observe passenger train speed but not to exceed 70 MPH, provided:

- (1) Maximum authorized speed is 60 MPH for freight trains.
- (2) Train does not exceed 5,000 tons.
- (3) Train does not exceed 90 cars.
- (4) Train does not average more than 75 tons per car.
- (5) Locomotive can control speed to 70 MPH without use of air brakes.

(B) SPEED RESTRICTIONS - CURVES, RR CROSSINGS, AND BRIDGES

| | MPH |
|--|-----|
| 2 Curves, M.P. 131.6 to 132.1 | 60 |
| 9 Curves, M.P. 132.6 to 136.8 | 50 |
| Curve, M.P. 137.4 to 137.7 | 70 |
| RR Crossing M.P. 148.3 (Interlocking) | 60 |
| If governing signal indicates "Stop", after communicating with control station, follow instructions posted in phone box. | |
| 4 Curves, M.P. 157.9 to 160.9 | 70 |
| 10 Curves, M.P. 161.6 to 170.3 | 65 |
| Curve, M.P. 175.5 to 175.7 | 65 |
| 4 Curves, M.P. 176.7 to 178.1 | 30 |
| Curve, M.P. 178.6 to 178.8 | 75 |
| Curve, M.P. 224.7 to 225.0 | 70 |
| Curve, M.P. 226.3 to 226.5 | 75 |
| Curve, M.P. 230.7 to 231.1 | 40 |
| Bridge M.P. 231.5 to 231.8 (Interlocking) | 30 |
| 6 Curves, M.P. 231.8 to 233.7 | 30 |
| 2 Curves, M.P. 234.0 to 234.3 | 25 |

(C) SPEED RESTRICTIONS—SWITCHES

Maximum speed permitted through turnout of switches, except main track switches listed below, 10 MPH.

Trains and engines using other than main track must not exceed turnout speed for that track.

"I"—Interlocked Switch.
"S"—Spring Switch.

| Station or MP | Type | Location | MPH |
|----------------------------|------|--------------------------|-----|
| Chillicothe, East end yard | I | Crossover | 40 |
| | I | Turnout yard lead | 30 |
| Chillicothe, West end yard | I | Turnout yard lead | 30 |
| | I | Crossover | 40 |
| Edelstein | I | Crossovers | 40 |
| Williamsfield | I | Crossovers | 40 |
| | I | East end siding | 20 |
| | S | West end siding | 20 |
| Yost | I | Crossovers | 40 |
| G.I. | I | Both ends siding | 20 |
| | I | West end auxiliary track | 40 |
| | I | Crossovers | 40 |
| | I | Tail track | 15 |
| Ormonde | I | West end siding | 20 |
| | S | East end siding | 20 |
| | I | Crossovers | 40 |
| Stronghurst | I | Crossovers | 40 |
| Lomax | I | Crossovers | 40 |
| | I | TP&W Connection Track | 30 |
| Niota | I | Crossovers | 40 |
| Ft. Madison, East end yard | I | Crossovers | 30 |
| | I | East end siding | 30 |
| | I | Turnout yard lead | 30 |
| Ft. Madison, West end yard | I | Crossovers | 40 |
| | I | West end siding | 30 |
| | I | Turnout yard lead | 30 |

2. OVERHEAD AND SIDE OBSTRUCTIONS (Rule 759)

| Mile Post | Name |
|-----------|------------------|
| 176.6 | Railroad Viaduct |

| WEST- WARD | Capacity of Sidings in Feet | Ruling Grade Ascending | TIME TABLE No. 9 October 1, 1979 | | | Ruling Grade Ascending | Mile Post | Communications Turn Tables and Wyes | EAST- WARD | |
|-----------------|--------------------------------|---------------------------|--|--|--|---------------------------|-----------|--|---------------|------------|
| First Class | | | | | | | | First Class | | |
| 3 | | | | | | | | 4 | | |
| Leave Daily | | Feet Per Mile | STATIONS | | | Feet Per Mile | | Arrive Daily | | |
| PM 8.30 | 10490 | 42.2 | <div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">ATS</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TCS</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TWO TRACKS</div> </div> FT. MADISON 13.5 ARGYLE 8.0 REVERE 6.6 BN Crossing MEDILL 9.0 WYACONDA 5.3 GORIN 13.0 BARING 15.7 GIBBS 6.2 LA PLATA 10.1 ELMER 6.7 ETHEL 11.8 BUCKLIN 5.9 MARCELINE | | | 36.9 | 234.3 | TY RC | AM 10.05 | |
| | | 42.2 | | | | 42.2 | 248.0 | | | |
| | | 42.2 | | | | 42.2 | 256.0 | | | |
| 8.56 | 7093 | 42.2 | | | | 42.2 | 263.1 | | | 9.35 |
| | | 17.5 | | | | 42.2 | 272.3 | | | |
| | 8451 | 42.2 | | | | 42.2 | 277.6 | | | |
| | | 42.2 | | | | 42.2 | 290.7 | | | |
| | | 42.2 | | | | 23.1 | 306.4 | | | |
| s 9.35 | | 40.2 | | | | 42.9 | 312.7 | RC | s | 8.55 |
| | | 42.2 | | | | 0 | 322.9 | | | |
| | 6859 | 42.2 | | | | 42.2 | 329.7 | | | |
| | | 31.0 | | | | 42.2 | 341.5 | | | |
| s 10.10 PM | | | | | | 42.2 | 347.3 | Y RC | | 8.25 AM |
| Arrive Daily | | | | | | (111.8) | | | | |
| 67.1 | | | Average speed per hour | | | | | 67.1 | | |

TCS IN EFFECT:

Main tracks between Ft. Madison and Marceline and on sidings Ft. Madison, Medill, Baring and Ethel.

Trains must secure clearance card at Ft. Madison and Marceline, except first class trains at Marceline.

TRACK SIDE WARNING DETECTORS**HOT BOX DETECTORS**

| Detector location | Locator location |
|-------------------|--|
| MP 257.9 | Eastward MP 256 Westward MP 259.9 |
| MP 287.3 | Eastward MP 284.3 Westward MP 289.9 |
| MP 315.8 | Eastward MP 313.3 Westward MP 318.3 |
| MP 344.5 | Eastward MP 342.5 Westward MP 346.9 |

When detector actuated will display rotating white light on field side at Detector and Locator locations.

Dragging equipment will also actuate alarms.

See Special Rule 13.

SPECIAL RULES

1. SPEED REGULATIONS

(A) MAXIMUM AUTHORIZED SPEED

| BETWEEN: | MPH | |
|---------------------------|------|-----|
| | Psg. | Fr. |
| Ft. Madison and Marceline | 90 | 60* |

*Maximum authorized speed for freight trains when averaging 90 tons and over per car, or over 5,000 tons total 45 MPH

Maximum authorized speed for freight trains handling one or more empty cars (Cabooses and cars loaded with empty trailers or empty containers are considered loads) 55 MPH

Freight trains may observe passenger train speed but not to exceed 70 MPH, provided:

- (1) Maximum authorized speed is 60 MPH for freight trains.
- (2) Train does not exceed 5,000 tons.
- (3) Train does not exceed 90 cars.
- (4) Train does not average more than 75 tons per car.
- (5) Locomotive can control speed to 70 MPH without use of air brakes.

(B) SPEED RESTRICTIONS - CURVES, RR CROSSINGS, AND BRIDGES

| | MPH |
|--|-----|
| Curve, M.P. 235.8 to 236.2 | 80 |
| 9 Curves, M.P. 242.1 to 250.2 | 80 |
| 12 Curves, M.P. 250.3 to 256.0 | 50 |
| Curve, M.P. 256.4 to 256.6 | 75 |
| 5 Curves, M.P. 257.1 to 262.1 | 80 |
| RR Crossing M.P. 263.1 (Interlocking) | 60 |
| If governing signal indicates "Stop", after communicating with control station, follow instructions posted in phone box. | |
| 4 Curves, M.P. 266.0 to 270.6 | 80 |
| 16 Curves, M.P. 275.5 to 288.7 | 80 |
| 14 Curves, M.P. 291.6 to 304.9 | 80 |
| 14 Curves, M.P. 307.9 to 321.9 | 80 |
| 3 Curves, M.P. 327.9 to 330.4 | 80 |
| 6 Curves, M.P. 331.0 to 333.9 | 55 |
| 11 Curves, M.P. 334.0 to 339.1 | 45 |
| 2 Curves, M.P. 339.4 to 339.7 | 65 |

(C) SPEED RESTRICTIONS—SWITCHES

Maximum speed permitted through turnout of switches, except main track switches listed below, 10 MPH.

Trains and engines using other than main track must not exceed turnout speed for that track.

"I"—Interlocked Switch.
 "S"—Spring Switch.

| Station or MP | Type | Location | MPH |
|----------------------------|------|----------------------|-----|
| Ft. Madison, East end yard | I | Crossovers | 30 |
| | I | East end siding | 30 |
| | I | Turnout yard lead | 30 |
| Ft. Madison, West end yard | I | Crossovers | 40 |
| | I | West end siding | 30 |
| | I | Turnout yard lead | 30 |
| MP 246.2 | I | Crossovers | 50 |
| Medill | I | Crossovers | 50 |
| | I | Siding switches | 10 |
| Gorin | I | Crossovers | 50 |
| Baring | I | Crossovers | 50 |
| | I | Siding switches | 20 |
| La Plata | I | Crossovers | 50 |
| Ethel | I | Crossovers | 50 |
| | I | Siding switches | 20 |
| Marceline, East end yard | I | Crossover (MP 346.7) | 50 |
| | I | Yard lead switches | 15 |
| Marceline, West end yard | I | Yard lead switches | 30 |
| | I | Crossover (MP 349.3) | 50 |

2. OVERHEAD AND SIDE OBSTRUCTIONS (Rule 759)

| Mile Post | Name |
|-----------|------------------|
| 256.6 | Highway Viaduct |
| 270.9 | Highway Viaduct |
| 274.5 | Highway Viaduct |
| 293.3 | Highway Viaduct |
| 300.7 | Railroad Viaduct |
| 307.6 | Highway Viaduct |
| 312.5 | Railroad Viaduct |
| 332.6 | Highway Viaduct |

3. TRACKS BETWEEN STATIONS

| Name | Location | Capacity (Feet) |
|-------------|----------|-----------------|
| Amax | MP 239.3 | lead |
| Fruchauf | MP 239.5 | lead |
| Armour Dial | MP 240.7 | lead |
| Spur | MP 281.7 | 1,000 |
| Spur | MP 300.0 | 1,250 |
| Spur | MP 318.2 | 1,000 |

8 FOURTH DISTRICT

ILLINOIS DIVISION

| WESTWARD | Capacity of Sidings in Feet | Ruling Grade Ascending | TIME TABLE | | Ruling Grade Ascending | Mile Post | Communications Turn Tables and Wyes | EASTWARD |
|--------------|-----------------------------|------------------------|-------------------------------------|--|------------------------|-----------|-------------------------------------|--------------|
| First Class | | | No. 9 | | | | | First Class |
| 3 | | | October 1, 1979 | | | | | 4 |
| Leave Daily | | Feet Per Mile | STATIONS | | Feet Per Mile | | | Arrive Daily |
| PM 10.10 | | 0 | MARCELINE 7.2 | | 42.2 | 347.3 | Y R C S | AM 8.25 |
| | | 13.7 | ROTHVILLE 6.1 | | 8.9 | 354.6 | | |
| | | 26.4 | MENDON 13.6 | | 14.2 | 360.7 | | |
| | | 26.4 | BOSWORTH 12.2 | | 26.4 | 374.3 | | |
| 10.41 | | 0 | CARROLLTON 2.2 | | 0 | 386.4 | R C | 7.53 |
| 10.43 | | 3.7 | W. B. JCT. 8.0 | | 0 | 388.7 | | 7.50 |
| | E 2303 W 5823 | 4.8 | NORBORNE 8.8 | | 6.3 | 396.6 | | |
| 10.56 | E 5268 W 7183 | 4.2 | HARDIN 5.9 | | 0 | 405.4 | | 7.37 |
| | E 11970 W 7183 | 14.2 | HENRIETTA 6.9 | | 6.6 | 411.3 | Y R C | |
| 11.07 | | 13.2 | C.A. JCT. 3.5 | | 26.4 | 418.2 | | 7.27 |
| | | 26.4 | FLOYD 5.0 | | 0 | 421.7 | | |
| 11.17 | | 6.7 | SIBLEY 7.2 | | 26.4 | 426.7 | | 7.17 |
| | | 9.7 | ATHERTON 2.6 | | 0 | 434.0 | | |
| | | 9.4 | ETON 2.8 | | 7.0 | 436.5 | | |
| | | 9.4 | COURTNEY 3.2 | | 0 | 439.4 | | |
| | | 4.9 | SUGAR CREEK 1.7 | | 0 | 442.6 | C | |
| | | 25.7 | CONGO 1.7 | | 42.2 | 444.2 | | 6.59 |
| | | 14.8 | K.C.S. Crossing 0.4 | | 0 | 445.9 | | |
| AM 12.05 | | 43.9 | SHEFFIELD 4.8 | | 48.5 | 446.4 | | |
| AM | | | KANSAS CITY Union Station | | | 451.1 | C | 6.35 AM |
| Arrive Daily | | | (103.8) | | | | | Leave Daily |
| 54.2 | | | Average speed per hour | | | | | 56.6 |

TCS IN EFFECT:

Main tracks between Marceline and W. B. Jct., north track between W. B. Jct. and Hardin, south track between Hardin and C. A. Jct., main tracks between C. A. Jct. and Sheffield and on Mo. Pac. tracks between Congo and Rock Creek Jct.

RULE 251 IN EFFECT:

South track, with current of traffic eastward between W.B. Jct. and Hardin, north track and middle track between Hardin and C. A. Jct.

Proceed indication on westward N&W interlocking signal at W.B. Jct. authorizes an N&W train to run extra W.B. Jct. to C.A. Jct.

Proceed indication on eastward N&W interlocking signal at C.A. Jct. authorizes an N&W train to run extra C.A. Jct. to W.B. Jct.

Proceed indication on westward interlocking signal at C.A. Jct. for N&W train operating via AT&SF authorizes N&W train to run extra to Argentine. At Argentine proceed indication on eastward interlocking signal at AY Tower authorizes N&W train to run extra to W.B. Jct.

Proceed indication on westward Mo.Pac. interlocking signal at Eton authorizes a Mo.Pac. train to run extra Eton to Congo.

Proceed indication on eastward Mo.Pac. interlocking signal at Congo authorizes a Mo.Pac. train to run extra Congo to Eton.

Between Hardin and C.A. Jct., three main tracks designated south track, middle track and north track. South track is N&W track, middle track and north track are AT&SF tracks. On north track, current of traffic is westward; on middle track, current of traffic is eastward; and on south track, TCS in effect.

Between Congo and Sheffield, three main tracks designated south track, middle track and north track. South track and middle track are Mo.Pac.-K.C.T. Ry. tracks, north track is AT&SF track.

Between Congo and Rock Creek Jct. AT&SF trains may use Mo.Pac. two main tracks. All movements must be made at restricted speed. Speed limit 10 MPH through Mo. Pac. turnout Rock Creek Jct. interlocking.

AT&SF trains use K.C.T. Ry. Co. tracks between Sheffield or Rock Creek Jct. and Santa Fe Jct. and be governed by provisions Special Rule 5.

Between Santa Fe Jct. and AY Tower, two south tracks are main tracks and between AY Tower and Turner south track is a main track upon which TCS in effect.

TCS in effect on running track between AY Tower interlocking and Turner interlocking. Authority to enter this track through a hand throw switch must be obtained from operator at AY Tower.

Single track between MP 424.9 and MP 426.3.

**TRACK SIDE WARNING DETECTORS
HOT BOX DETECTORS**

| Detector location | Locator location |
|--|--|
| MP 366.5 | Eastward MP 363.9 Westward MP 368.6 |
| Two rotating white lights at detector and locators, light nearest track-shifted load detector, light to field side-hot box detector. | |
| MP 382.8 | Eastward, MP 381.3 Westward, MP 384.9 |
| MP 414.5 | Eastward, MP 412.7 Westward, MP 416.8 |
| MP 432 | Eastward, MP 429.4 Westward, MP 433.9 |

When detectors MP 382.8, 414.5 and 432 actuated will display rotating white light on field side at Detector and Locator locations. Dragging equipment will also actuate alarms. See Special Rule 13.

Trains originating Marceline, Kansas City, and Argentine except first class trains at Marceline and N&W trains at Argentine, must secure clear-ance card.

Within TCS limits, where maximum speed exceeds 20 MPH, a train or engine must not clear the main track through a hand throw switch, not electrically locked, for the purpose of meeting, passing, or being passed by another train or engine. Tracks where such switches are located are:

Atherton—Stock track spur.

On North Track, eastward controlled signal at Hardin interlocking and all eastward block signals equipped with number plates between Hardin and W. B. Jct. are located on field side of track.

SPECIAL RULES

1. SPEED REGULATIONS

(A) MAXIMUM AUTHORIZED SPEED

| BETWEEN: | MPH | |
|--|-------|-------|
| | Psgr. | Frts. |
| Marceline and W.B. Jct. | 90 | 60* |
| W.B. Jct. and C.A. Jct. (North Track) | 79 | 60* |
| Hardin and C.A. Jct. (South Track) | 40 | 40 |
| C.A. Jct. and Hardin (Middle Track), Hardin and W.B. Jct. (South Track) | 79 | 60* |
| C.A. Jct. and Bridge MP 425.0 | 90 | 60* |
| Bridge MP 425.0 and Sheffield | 79 | 60* |
| Rock Creek and Sheffield (Tracks 2 and 3) | 35 | 35 |
| Sheffield and Brooklyn Avenue (Tracks 1, 2 and 3) | 45 | 45 |
| Sheffield and Grand Avenue (Track 4) | 30 | 30 |
| Brooklyn Avenue and Holmes Street (Tracks 1, 2 and 3) | 30 | 30 |
| Holmes Street and Frisco Crossing (Tracks 1, 2, 3 and 4) | 20 | 20 |
| Frisco Crossing and Santa Fe Jct. (Tracks 3 and 4) | 15 | 15 |
| Running track between AY Tower Interlocking and Turner Interlocking | 30 | 30 |

*Maximum authorized speed for freight trains when averaging 90 tons and over per car, or over 5,000 tons total 45 MPH
 Maximum authorized speed for freight trains handling one or more empty cars (Cabooses and cars loaded with empty trailers or empty containers are considered loads) 55 MPH
 Freight trains may observe passenger train speed but not to exceed 70 MPH, except eastward, MP 415 to MP 402, provided:
 (1) Maximum authorized speed is 60 MPH for freight trains.
 (2) Train does not exceed 5,000 tons.
 (3) Train does not exceed 90 cars.
 (4) Train does not average more than 75 tons per car.
 (5) Locomotive can control speed to 70 MPH without use of air brakes.

(B) SPEED RESTRICTIONS - CURVES, RR CROSSINGS, AND BRIDGES

| | MPH |
|--|------------------|
| 3 Curves, M.P. 347.5 to 348.9 (North Track) | 55 |
| 2 Curves, M.P. 347.5 to 347.8 (South Track) | 45 |
| Curve, M.P. 348.3 to 348.8 (South Track) | 80 |
| Curve, M.P. 349.9 to 350.2 | 80 |
| 3 Curves, M.P. 352.6 to 354.0 | 65 |
| Curve, M.P. 368.5 to 368.8 | 85 |
| 2 Curves, M.P. 372.0 to 372.7 | 70 |
| 2 Curves, M.P. 376.2 to 376.8 | 70 |
| 6 Curves, M.P. 377.1 to 381.8 (South Track) | 80 |
| 9 Curves, M.P. 377.1 to 384.5 (North Track) | 80 |
| 5 Curves, M.P. 382.4 to 384.5 (South Track) | 70 |
| Curve, M.P. 388.5 to 388.8 (South Track) | 50 |
| Curve, M.P. 404.3 to 404.9 (South Track) | 70 |
| First 2 Curves West of Hardin (South Track) | 15 |
| Curve, M.P. 415.5 to 415.7 | 70 |
| 5 Curves, M.P. 416.7 to 419.1 | 55 |
| 2 Curves and Bridge, M.P. 424.9 to 426.3 | 30 |
| 3 Curves, M.P. 426.4 to 427.8 | 50 |
| 6 Curves, M.P. 428.0 to 431.2 | 70 |
| 3 Curves, M.P. 434.9 to 436.9 | 70 |
| 2 Curves, M.P. 437.5 to 437.8 | 35 |
| 2 Curves, M.P. 437.9 to 438.4 | 45 |
| 2 Curves, M.P. 438.5 to 438.9 | 60 |
| 2 Curves, M.P. 439.8 to 441.1 | 70 |
| 2 Curves, M.P. 442.5 to 443.6 | 65 |
| 3 Curves, M.P. 443.7 to 444.5 | 40 |
| Congo to Rock Creek Jct. via Mo. Pac | Restricted Speed |
| 4 Curves, M.P. 445.0 to 445.8 | 30 |
| RR Crossing M.P. 445.9 (Interlocking) | 20 |
| 2 Curves, M.P. 447.0 to 447.5 (Tracks 1-2-3 KCT) | 50 |

(C) SPEED RESTRICTIONS—SWITCHES

Maximum speed permitted through turnout of switches, except main track switches listed below, 10 MPH.

Trains and engines using other than main track must not exceed turnout speed for that track, unless provided otherwise in Time Table Special Rule 1(A).

"I"—Interlocked Switch.
 "S"—Spring Switch.

| Station or MP | Type | Location | MPH |
|---------------|------|--|-----|
| Marceline, | I | Crossover (MP 346.7) | 50 |
| East end yard | I | Yard lead switches | 15 |
| Marceline, | I | Yard lead switches | 30 |
| West end yard | I | Crossover (MP 349.3) | 50 |
| Mendon | I | Crossovers | 50 |
| Bosworth | I | Crossovers | 50 |
| W.B. Jct. | I | Crossovers | 50 |
| Hardin | I | Crossovers and connection to South Track | 20 |
| Henrietta | I | West end eastward siding | 20 |
| | S | East end eastward siding | 20 |
| | I | East end westward siding | 20 |
| | S | West end westward siding | 20 |
| C.A. Jct. | I | Crossovers | 40 |
| MP 424.9 | I | End of two tracks | 30 |
| MP 426.3 | I | End of two tracks | 30 |
| Eton | I | Crossovers | 40 |
| | I | Mo. Pac. connection | 30 |
| Congo | I | West crossover | 40 |
| | I | East crossover and Mo. Pac. conn. | 30 |

2. OVERHEAD AND SIDE OBSTRUCTIONS (Rule 759)

| Mile Post | Name |
|-----------|--------------------|
| 347.5 | Gracia St. Viaduct |
| 351.1 | Highway Viaduct |
| 427.2 | Highway Viaduct |
| 427.8 | Highway Viaduct |

3. TRACKS BETWEEN STATIONS

| Name | Location | Capacity (Feet) |
|------------------------------|----------|-----------------|
| Spur | MP 417.0 | 250 |
| Missouri Portland Cement Co. | MP 440.8 | Yard |

TRACK SIDE WARNING DETECTORS

SHIFTED LOAD DETECTORS

| Detector location | Indicator location |
|---|--|
| Grand River Bridge Eastward, MP 373 Westward, MP 366.5 | MP 373 and MP 371.5 MP 363.9, 366.5 and 368.6 |
| Missouri River Bridge Eastward, MP 426.3 Westward, MP 425.2 | MP 426 and MP 425.2 MP 425.7 and MP 426 |

Two rotating white lights at detector MP 366.5 and locators MP 363.9 and MP 368.6. Light nearest track is for shifted load detector. Light to field side is for hot box detector.
 Rotating white light at indicator locations.
 Detectors will not clear man on side of car.
 See Special Rule 13.

| WESTWARD | Capacity of Sidings in Feet | Ruling Grade Ascending | TIME TABLE | | Ruling Grade Ascending | Mile Post | Communications Turn Tables and Wyes | EASTWARD |
|----------|-----------------------------|------------------------|-----------------------------------|-------|------------------------|-----------|-------------------------------------|----------|
| | | | No. 9 October 1, 1979 | | | | | |
| | | Feet Per Mile | STATIONS | | Feet Per Mile | | | |
| | | 0 | ANCONA YL 2.7 | | 0 | | | |
| | | 15.3 | LONG POINT 4.6 | | 0 | 2.5 | | |
| | 1273 | 31.7 | DANA 5.8 | | 0 | 7.1 | | |
| | | 0 | ICG Crossing 0.1 | | 0 | 12.9 | | |
| | 1317 | 23.8 | MINONK 6.0 | | 13.2 | 13.0 | | |
| | | 0 | BENSON 5.5 | | 32.7 | 19.0 | | |
| | 959 | 0 | ROANOKE 6.2 | | 47.5 | 24.5 | | |
| | 783 | 41.2 | STREATOR JCT 0.4 | TP&WR | 0 | 30.7 | | |
| | | 0 | EUREKA 5.6 | | 0 | 31.1 | C | |
| | 2105 | 47.5 | PEKIN JCT. 1.3 | | 0 | 36.7 | | |
| | | 26.4 | WASHINGTON 3.0 | | 0 | 38.0 | | |
| | 537 | 31.7 | COOPER 2.4 | | 52.8 | 41.0 | | |
| | | 31.7 | CRANDALL N & W Crossing 2.3 | YL | 29.0 | 43.4 | | |
| | 0 | 0 | MORTON 0.1 | YL | 0 | 45.7 | R C | |
| | 1207 | 0 | IT Crossing 11.0 | | 0 | 45.8 | | |
| | | 42.2 | EAST YARDS ICG Crossing 0.9 | YL | 81.8 | 56.8 | T | |
| | 2518 | 0 | PEKIN (57.9) | YL | 82.9 | 57.7 | C | |

TP&W Rule 161. A yellow flag placed on the engineman's side of the track indicates that the track about 6500 feet distance is in condition for speed of but 10 MPH, unless otherwise specified by train order, bulletin, or black numerals on a yellow disc displayed by the foreman at the point where slow track begins. A green flag placed on the engineman's side will indicate end of slow track.

TP&W Rule 221. COLOR LIGHT TRAIN ORDER SIGNALS MAY DISPLAY:

| ASPECT | NAME | INDICATION |
|--------------|---------------------------------|---|
| Green | Clear train order signal | Proceed-no orders. |
| Red | Stop train order signal | Positive stop at train order signal. |
| Flashing Red | Flashing Red train order signal | Advance at authorized speed to train order signal and proceed if clearance received. MUST NOT BE interpreted as "calling on" signal and cannot confer authority to occupy main line without flag protection, if such authority has not been conferred by time table or train order. |

TP&W Form (R) Train Order, Check of Trains.

- (1) At 10:01 A.M. overdue trains have arrived (or left or passed) D.
- (2) No. 121 Engine 900 has arrived at C.
- (3) No. 25 (or Extra 700 West) may check train register at R against Extra 600 East on Order No. 12.
- (4) Extra 600 East register at R on Order No. 12.

When example No. (4) is used, number and date of the order specified will be written in column of train register showing "Signals".

On P&PU tracks at Pekin, all trains and engines must move prepared to stop and expecting to find tracks occupied. In addition to other rules for protection of trains or engines, it is required of men in charge of trains or engines occupying main tracks that they protect their trains or engines during fogs, storms and other bad conditions as well as where curvature is sharp or view obstructed.

SPECIAL RULES

1. SPEED REGULATIONS

(A) MAXIMUM AUTHORIZED SPEED

| BETWEEN: | MPH |
|-------------------------------------|-----|
| Ancona and MP 25 | 30 |
| MP 25 and Streator Jct. | 40 |
| Streator Jct. and Pekin Jct. (TP&W) | 35 |
| Pekin Jct. and East Yards | 30 |
| Pekin, P&PU Ry. | 10 |

(B) SPEED RESTRICTIONS—CURVES, RR CROSSINGS AND BRIDGES

| | MPH |
|--|------|
| 2 Curves, Ancona to MP 0.2 | 20 |
| RR Crossing MP 12.9 (Automatic Interlocking) | 20* |
| RR Crossing MP 43.4 (Automatic Interlocking) | 20* |
| RR Crossing MP 45.8 (Stop, Rules 98(A), 98(B), 98(C), 98(E)) | 30 |
| RR Crossing MP 56.8 (Automatic Interlocking) | Yard |
| Pekin P & PU Interlocking MP 57.9 | 10 |

*Speed shown applies only until head end of train is through interlocking limits.

(C) SPEED RESTRICTIONS—SWITCHES

Maximum speed permitted through turnout of switches, 10 MPH.

Trains and engines using other than main track must not exceed turnout speed for that track.

YARD LIMITS IN EFFECT:

- Ancona (Pekin Dist. only)
- Crandall to Morton
- East Yards
- Pekin

Trains must secure TP&W clearance card Form "A" westward at Eureka and at Pekin Jct. eastward.

When train order signal at Eureka indicates other than "clear", secure AT&SF and TP&W clearance cards.

Authority must be obtained from TP&W operator at Eureka before entering TP&W main track at Streator Jct.

Between East Yards, M.P. 56.8 and Pekin, M.P. 57.6, AT&SF trains and engines may use ConRail main track in accordance with Rule 93. Maximum authorized speed 15 MPH.

No switch lights on Pekin District, except between Streator Jct. and Pekin Jct.

Between Streator Jct. and Pekin Jct., be governed by TP&W time table, and AT&SF Operating Rules, except TP&W Rules 15, 83(d), 161, 221 and Form R Train Order will govern in lieu of AT&SF Rules 10, 13, 83(C), 224 and Form T Train Order.

TP&W Rule 15. The explosion of two torpedoes is a signal to proceed at restricted speed. The explosion of one torpedo will indicate the same as two, but two are required.

TP&W Rule 83(d). Train register will not be accepted as evidence that an extra train has arrived at a meeting or waiting point unless instructed to check register for extra train by Form (R) Train Order (Example 3).

3. TRACKS BETWEEN STATIONS

| Name | Location | Capacity (Feet) |
|--------------------------|----------|-----------------|
| Sinclair Oil Corporation | MP 3.0 | 350 |
| Swift | MP 20.6 | 350 |
| Cilco (spur) | MP 51.6 | 1,250 |

JUNCTION SWITCHES (RULE 98(D))

| Location | Normal Position |
|---------------|-----------------|
| Streator Jct. | TP&W R.R. |
| Pekin Jct. | TP&W R.R. |
| MP 56.8 | ConRail |
| MP 57.6 | ConRail |

| WESTWARD ↓ | Capacity of Sidings in Feet | Ruling Grade Ascending | TIME TABLE | | Ruling Grade Ascending | Mile Post | Communications Turn Tables and Wyes | EASTWARD ↑ |
|---------------|-----------------------------|------------------------|---|--|------------------------|-----------|-------------------------------------|---------------|
| | | | No. 9 | | | | | |
| | | | October 1, 1979 | | | | | |
| | | Feet Per Mile | STATIONS | | Feet Per Mile | | | |
| | 1241 | 69.2 | HENRIETTA YL 4.9 | | 0 | 5.1 | Y R C | |
| | | 59.5 | B. C. JCT. 6.4 | | 60.5 | 65.2 | | |
| | | 0 | C.R.I. & P. Crossing 0.5 | | 36.6 | 71.6 | | |
| | | 0 | BN Crossing 0.2 | | 48.8 | 72.1 | | |
| | | 0 | C.R.I. & P. Crossing BN Crossing M.K. JCT. 0.5 | | 0 | 72.3 | | |
| | | | ST. JOSEPH YL TERMINAL YARD | | | 72.8 | T C | |
| | | | (72.6) | | | | | |

TCS IN EFFECT:

Between B. C. Jct. and MP 70.8.

YARD LIMITS IN EFFECT:

Henrietta to Richmond and Terminal Yard.

RULE 94 IN EFFECT:

Between MP 70.8 and Terminal Yard.

Trains must receive clearance card before leaving Henrietta and Terminal Yard.

No switch lights St. Joseph District except at Terminal Yard.

SPECIAL RULES

1. SPEED REGULATIONS

(A) MAXIMUM AUTHORIZED SPEED

| BETWEEN: | MPH |
|---------------------------|------------------|
| Henrietta and MP 5.7 | 10 |
| B.C. Jct. and MP 70.8 | 40 |
| MP 70.8 and Terminal Yard | Restricted Speed |

(B) SPEED RESTRICTIONS—CURVES, RR CROSSINGS AND BRIDGES

| | MPH |
|---|------------------|
| 2 curves, MP 66.9 to 67.2 | 30 |
| RR Crossing MP 71.6 (Gate normally across CRI&P track. Approach prepared to stop. When gate normal, proceed at restricted speed). | Restricted Speed |
| RR Crossing MP 72.1 (Stop. Rules 98 (A), 98 (B), 98 (C), 98 (E)) | Restricted Speed |
| RR Crossing MP 72.3 (Stop. Rules 98 (A), 98 (B), 98 (C), 98 (E)) | Restricted Speed |

(C) SPEED RESTRICTIONS—SWITCHES

Maximum speed permitted through turnout of switches, 10 MPH.

Trains and engines using other than main track must not exceed turnout speed for that track.

4. REGISTER STATIONS (Rule 83 (B))

STATIONS LISTED BELOW ARE REGISTER STATIONS ONLY FOR TRAINS DESIGNATED:

| Station | Designated Trains |
|-------------|----------------------------|
| Corwith | Originating or terminating |
| Chillicothe | All except first class |
| Ft. Madison | Originating or terminating |
| Marceline | All except first class |
| Kansas City | Originating or terminating |

5. JOINT TRACK FACILITIES

CHICAGO—FT. WAYNE JCT.—AT&SF psgr. trains will use Chicago Union Station Company tracks between Chicago Union Station and Ft. Wayne Jct. and be governed by Chicago Union Station Company Rules and Instructions.

FT. WAYNE JCT.—BRIDGEPORT—AT&SF psgr. trains will use and AT&SF trains and engines may use ICG northward and southward main tracks between Ft. Wayne Jct. and Bridgeport. ICG Rule 93 in effect.

AT&SF JCT.—ASH STREET—AT&SF trains and engines may use ICG eastward and westward main tracks between AT&SF Jct. and Ash Street. Movements against the current of traffic between AT&SF Jct. and Bridgeport Interlockings may be made on proper proceed interlocking signal at AT&SF Jct. or Bridgeport.

Movements against the current of traffic between Bridgeport and Ash Street Interlockings may be made on proper proceed interlocking signal. Movement between bridge signals located at MP 4 plus 714 feet and MP 4 plus 3046 feet must be made at restricted speed. Switches within these limits must not be operated without authority of control station. ICG Rule 93 in effect.

JOLIET U.S.—PLAINES—AT&SF trains may use ICG main tracks between Joliet U.S. and Plaines when authorized by train order or by control station.

Automatic block signal system (ABS) extends between Joliet U.S. and South Joliet on double track (DT) and between South Joliet and Plaines on single track.

Movement against current of traffic from South Joliet to interlocking Joliet U.S. may be made on proceed indication displayed by Eastward home signal located at Mile Post 38 plus 3186 feet or by verbal authority of Yardmaster at South Joliet. ICG Rule 93 in effect.

Movement against current of traffic from interlocking Joliet U.S. to South Joliet may be made on proper proceed interlocking signal at Joliet U.S. ICG Rule 93 in effect.

Colorlight type train order signal installed at South Joliet displays either flashing red or flashing green aspect. Flashing red indicates—Stop; unless clearance received. Flashing green indicates—Proceed.

Between Ft. Wayne Jct.—AT&SF Jct. and Ash Street and between Joliet U.S. and Plaines on ICG main tracks, AT&SF Rules apply except as affected by the following ICG Rules:

93. Within yard limits, the main track may be used without authority conferred by timetable, train order or clearance, and without flag protection against other trains or engines.

Within yard limits, all trains or engines must move at YARD SPEED, except in ABS territory movements will be governed by block signal indication.

Note: Movements against current of traffic between AT&SF Jct. and Ash Street and between Joliet U.S. and South Joliet must be made at YARD SPEED.

Definitions: Restricted Speed:—Proceed prepared to stop short of train, engine, obstruction, or switch not properly lined and to lookout for broken rail, but not exceeding 10 MPH.

Yard Speed—A speed prepared to stop within one-half the range of vision.

Home Signal—A block or interlocking signal, designated by the absence of either a number plate or a marker light, at the entrance of a route or block to govern trains or engines entering and using that route or block.

BLOCK AND INTERLOCKING SIGNALS

| Aspect | Name | Indication |
|--|----------------------------------|---|
| Green, or Green over Red, or White over Green | Clear | Proceed. |
| Yellow over Green | Approach Limited | Proceed; approach next signal prepared to enter turnout at prescribed speed, but not exceeding 40 MPH. |
| Red over Green | Diverging Clear | Proceed on diverging route; not exceeding prescribed speed through turnout. |
| Yellow over Red, or White over Diagonal Yellow | Approach | Proceed; prepared to stop at next signal. Train exceeding 30 MPH must at once reduce to that speed. |
| Red over Yellow | Diverging Approach | Proceed on diverging route; through turnout at prescribed speed; prepared to stop at next signal, but not exceeding 30 MPH. |
| Diagonal Lunar over White | Restricting Diverging Main Route | Proceed at Restricted speed. |
| Diagonal Lunar | Restricting Indication | Proceed at Restricted speed. |
| Red (With number plate) | Restricted Proceed | Proceed at Restricted speed. |
| Red over Red, or Red | Stop | Stop. |
| Horizontal | | |

PLAINES-PEQUOT—A.T. & S.F. and ICG. The movement of ICG trains will be governed by A.T. & S.F. Rules in ICG Time Table.

LOMAX—FT. MADISON. TP&W trains use AT&SF tracks between Lomax and Ft. Madison and are governed by AT&SF Time Table and Rules.

W.B. JCT.—SHEFFIELD AND SANTA FE JCT.—ARGENTINE—A.T. & S.F. and N.&W. The movement of N.&W. trains will be governed by A.T. & S.F. Rules in N.&W. Time Table.

ETON-CONGO—A.T. & S.F. and Mo. Pac. The movement of Mo. Pac. trains will be governed by A.T. & S.F. Rules in Mo. Pac. Time Table.

CONGO-ROCK CREEK JCT. A.T. & S.F. trains may use Mo. Pac. tracks.

ROCK CREEK JCT., SHEFFIELD-SANTA FE JCT. A.T. & S.F. trains use tracks of K.C.T. Ry. Co. and be governed by A.T. & S.F. rules and greater Kansas City area Operating Rules.

STREATOR JCT.—PEKIN JCT. Trains will use T.P. & W. track.

EAST YARDS—PEKIN. Trains will use ConRail Track.

PEKIN—Trains may use P&PU tracks, rules applicable within TCS limits are in effect.

B. C. JCT.—M.K. JCT. C.N.W. trains use A.T. & S.F. tracks and will be governed by A.T. & S.F. Rules in C.N.W. Time Table.

TERMINAL YARD—M.K. JCT. Trains use St. Joseph Terminal Ry. Co. tracks.

6. SIGNALS NOT CONFORMING TO THE ASPECTS AND INDICATIONS SHOWN IN "FIXED SIGNALS" IN RULES. (Rule 311)

CHICAGO—INTERLOCKING AT&SF JCT. EASTWARD WITH CURRENT OF TRAFFIC

A.T.&S.F. Track—First signal west of CR-C&WI crossing
 Red over Red—Stop
 Red over Lunar—Proceed to next signal

ICG Track—First signal west of CR-C&WI crossing
 Red over Red—Stop
 Yellow over Red—Proceed to next signal
 Red over Yellow—Diverging route

EASTWARD AGAINST CURRENT OF TRAFFIC

A.T.&S.F.—ICG Tracks—First signal west of CR-C&WI crossing

Red—Stop
 Lunar—Proceed to coach yard and other routes

EASTWARD WITH CURRENT OF TRAFFIC

A.T.&S.F.—ICG Tracks—First signal east of CR-C&WI crossing

Red over Red over Red—Stop
 Yellow over Red over Red—To ICG Track
 Red over Yellow over Red—To C. & W.I. track
 Red over Red over Yellow—To coach yard and other routes

BRIDGEPORT—INTERLOCKING

EASTWARD—4 UNIT SIGNAL

1st. or top unit—ICG
 2nd. unit—A.T. & S.F.
 3rd. unit—ICG
 4th. or lower unit—Against traffic

WESTWARD—2 UNIT SIGNAL

1st. or top unit—A.T. & S.F.
 Lower unit—ICG main tracks

WESTWARD—4 UNIT SIGNAL

1st. or top unit—ICG
 2nd. unit—A.T. & S.F.
 3rd. unit—ICG main tracks
 4th. or lower unit—Against traffic

JOLIET U.S.—Top unit indicates movement to AT&SF, lower unit indicates movement to ICG.

Route signal located near base of mast indicates route.

Red—Normal
 Yellow—Diverging route

At interlockings Bridgeport and Joliet U.S., a fixed signal displaying single yellow aspect indicates "Proceed prepared to enter turnout or to stop short of train or obstruction."

PLAINES—EASTWARD CONTROLLED SIGNAL

Green, white light below Proceed per Rule 283
 Yellow, white light below Proceed per Rule 286
 Red Stop per Rule 292

MP 43.2—EASTWARD AUTOMATIC SIGNAL A-8

Green, yellow light left Proceed per Rule 282
 Yellow, white light above Proceed per Rule 285
 Red Stop per Rule 291
 Other than red, no white light Proceed per Rule 285

PEQUOT—Westward to ICG approach signal No. 541 displays yellow over green and westward controlled signal displays red over yellow.

W.B. JCT.—Eastward, 3 Unit Signal on South Track. Movement to A.T.&S.F. governed by indication of top and middle units, per Rules 283, 286, 290, and 292. Movement to N.&W. governed by indication on all 3 units. Eastward 2 Unit Signal on North Track at W.B. Jct. will display indications in accordance with A.T.&S.F. Rules 281, 282, 283, 285, 286, 290 and 292; to N.&W., red over green aspect is authority to use crossover at prescribed speed; red over yellow aspect is authority to enter N.&W. siding or approach next signal on main track prepared to stop.

C.A. JCT.—South Track, westward, 2 Unit Signal. Movement to A.T.&S.F. governed by indications per Rules 283, 286, 290 and 292; to N.&W., green over red, yellow over red and red over red.

North Track, westward, 3 Unit Signal. Movement to A.T.&S.F. governed by indication of top and middle units, per Rules 283, 286, 290 and 292. Movement to N&W governed by indication on all 3 units.

ETON—Color light switch point indicator located at Mo.

Pac. connection switch displays yellow when lined for Mo.Pac and dark when lined for A.T.&S.F. Yellow over yellow aspect on eastward approach signal MP 439.3 indicates Eton interlocking is lined for Mo.Pac.

Pekin, P&PU Ry.—All signals are equipped with number plates and are controlled signals

Top or Left Unit Green—Proceed per Rule 281
 Yellow to Right or Middle—Proceed per Rule 290
 Yellow over Red over Red—Proceed per Rule 290
 Red over Red over Yellow—Proceed per Rule 290
 Red on Bottom or All Red—Stop
 2 Unit Signal: Top Unit, Yellow—Proceed per Rule 290
 Bottom Unit Red—Stop

7. MAXIMUM SPEED OF ENGINES.

| Engines | Forward or Dead In Train (MPH) | When not Controlled From Leading Unit (MPH) |
|--|--------------------------------|---|
| AMTRAK 100-799; 5940-5948 | 90* | 45 |
| 1153, 1160, 1215-1260, 1416-1441, 1500-1536, 2326-2390 | 45 | 45 |
| ALL OTHER CLASSES | 70 | 45 |

Forward speed applies when lead unit of train is controlling and is in backing position. EXCEPTION: When such unit is car body type, maximum authorized speed 45 MPH.

*Engine without cars must not exceed 70 MPH.

8. MAXIMUM DEPTH OF WATER THROUGH WHICH ENGINES MAY BE OPERATED AND MAXIMUM SPEED IN SUCH OPERATION.

| | Maximum depth (Inches) | Maximum speed (MPH) |
|---------------------------|------------------------|---------------------|
| All Classes except Amtrak | 4 | 5 |
| Amtrak | 2 | 2 |

9. DERRICKS, CRANES, SCALE TEST CARS

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

| District | Wrecking Derricks MPH | File Drivers AT 199454 AT 199455 AT 199457 AT 199458 AT 199459 AT 199460 AT 199461 Locomotive Crane AT 199720 and Jordan Spreaders AT 199452 AT 199453 AT 199456 MPH | Other Machines Including File Drivers AT 199452 AT 199453 AT 199456 MPH |
|--|-----------------------|--|---|
| First, Second, Third, and Fourth except South Track Hardin-C.A. Jct. | 40 | 45 | 30 |
| South Track Hardin-C.A. Jct., and Pekin & St. Joseph Districts | 24 | 24 | 24 |

Trains or engines handling wrecking derricks, 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.

Locomotive Crane AT 199720 and pile drivers must be handled in trains next to engine.

All foreign line scale test cars must be handled in trains immediately ahead of caboose at speed not exceeding 50 MPH.

11. BULLETIN BOOKS (Rule 80)

| | |
|---------------------|--|
| Chicago | Union Station, Telegraph Office |
| Corwith | Telegraph, Roundhouse, and Yardmen's Locker Facilities |
| General Motors Yard | Yard Office |
| Joliet Yard | Yard Office |
| Streator | Yard Office |
| Chillicothe | Station (Register Room) |
| Galesburg | Yardmen's Locker Room |
| Ft. Madison | Station (Register room), Roundhouse Office and Yardmen's Locker Room |
| Marceline | Station (Register Room) |
| Sugar Creek | Station |
| Kansas City | Room 125-L, Union Station |
| Argentine | YMCA and Roundhouse Office |
| Morton | Station |
| Pekin | Station |

12. STANDARD CLOCKS

| | |
|---------------------|---|
| Chicago | Union Station, Telegraph Office |
| Corwith | Telegraph and Roundhouse Offices |
| General Motors Yard | Yard Office |
| Joliet Yard | Yard Office |
| Streator | Yard Office |
| Chillicothe | Station (Register Room) |
| Ft. Madison | Station (Register room) and Roundhouse Office |
| Marceline | Station (Register Room) |
| Kansas City | Room 125-L, Union Station |
| Argentine | Roundhouse Office |
| Morton | Station |
| Terminal Yard | Yard Office |

AVOID DAMAGE—SWITCH CUSTOMERS CARS CAREFULLY OVERSPFED Couplings are DAMAGING

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

HANDLE FREIGHT CAREFULLY AND KEEP OUR CUSTOMERS.

IT'S EVERYBODY'S JOB ON THE SANTA FE

R. W. WELLS, General Watch Inspector Topeka

LOCAL TIME INSPECTORS

| | |
|-------------------------------------|--------------------|
| J. J. HUNT, 3153 W. 63rd | Chicago |
| P. J. SKURATOWICZ, 7639 W. 63rd St. | Argo, Ill. |
| R. S. KERR | Streator |
| R. M. WALKER | Chillicothe |
| M. G. DUNLAP | Chillicothe |
| R. J. ALLISON | Fort Madison |
| A. L. YOCUM | Marceline |
| J. E. POINTER | Richmond |
| W. G. HARDEN | St. Joseph |
| L. M. CONNOR, 3120 Strong | Kansas City, Kans. |
| ROSS LENTZ, 3221 Strong | Kansas City, Kans. |
| H. M. FAERBER, 821 N. 7th | Kansas City, Kans. |
| J. F. GAMBRILL, 709 Central | Kansas City, Kans. |

13. TRACK SIDE WARNING DETECTORS

SHIFTED LOAD DETECTORS

Shifted load detectors and indicators for protection of movements across Grand River Bridge at MP 369.9 located as follows:

Eastward—Detector MP 373; Indicators MP 373 and 371.5 both tracks.

Westward—Detector MP 366.5; Indicators MP 363.9 and 368.6 both tracks.

Two rotating white lights at detector MP 366.5 and locators MP 363.9 and MP 368.6. The rotating light nearest the track is for the shifted load detector and the light to the field side is for the hot box and dragging equipment detector.

Shifted load detectors and indicators for protection of movements across Missouri River Bridge, Sibley, located as follows:

Eastward—Detector MP 426.3; Indicators MP 426 and MP 425.2.

Westward—Detector MP 425.2; Indicators MP 425.7 and MP 426.

Rotating white light at indicator locations.

All members of crew must be alert to observe indicators. When a train actuates indicators, they will display rotating light and train must stop immediately. Inspection must be made of both sides of train for shifted load and protruding objects. Dispatcher must be advised promptly by radio or telephone result of inspection.

When indicators display rotating light before engine reaches detector, fixed signals indicate other than stop, and communication is established between head and rear ends of train with understanding indicators were actuated before engine reached indicator, train may without stopping proceed not to exceed 15 MPH until entire train has passed over bridge.

Detectors are 7 feet from center of track and will not clear man on side of car.

13. TRACK SIDE WARNING DETECTORS (Cont'd).

HOT BOX DETECTORS

| Detector Location | Track | Locator Location | Type of Read-out | Wayside Alarms |
|-------------------|-------|---|------------------|---------------------------------|
| MP 32.5 | Both | Eastward MP 29.4 Westward MP 34.1 | Field | MP 29.4, MP 32.5, MP 34.1 |
| MP 68.3 | Both | Eastward MP 66.5 Westward MP 70.6 | Field | MP 66.5, MP 68.3, MP 70.6 |
| MP 100.2 | Both | Eastward MP 98 Westward MP 102.2 | Field | MP 98, MP 100.2, MP 102.2 |
| MP 125.3 | Both | Eastward MP 123.6 Westward MP 127.5 | Field | MP 123.6, MP 125.3, MP 127.5 |
| MP 168.1 | Both | Eastward MP 165.9 Westward MP 170.6 | Field | MP 166, MP 168.1, MP 170.6 |
| MP 197.1 | Both | Eastward, At Signal 1942 Westward MP 199.8 | Field | MP 197.1, Signal 1942, MP 199.8 |
| MP 226.9 | Both | Eastward MP 225.1 Westward MP 229.4 | Field | MP 225.1, MP 226.9, MP 229.4 |
| MP 257.9 | Both | Eastward MP 256 Westward MP 259.9 | Field | MP 256, MP 257.9, MP 259.9 |
| MP 287.3 | Both | Eastward MP 284.3 Westward MP 289.9 | Field | MP 284.3, MP 287.3, MP 289.9 |
| MP 315.8 | Both | Eastward MP 313.3 Westward MP 318.3 | Field | MP 313.3, MP 315.8, MP 318.3 |
| MP 344.5 | Both | Eastward MP 342.5 Westward MP 346.9 | Field | MP 342.5, MP 344.5, MP 346.9 |
| MP 366.5 | Both | Eastward MP 363.9 Westward MP 368.6 | Field | MP 363.9, MP 366.5, MP 368.5 |
| MP 382.8 | Both | Eastward MP 381.3 Westward MP 384.9 | Field | MP 381.3, MP 382.8, MP 384.9 |
| MP 414.5 | Both | Eastward MP 412.7 Westward MP 416.8 | Field | MP 412.7, MP 414.5, MP 416.8 |
| MP 432 | Both | Eastward MP 429.4 Westward MP 433.9 | Field | MP 429.4, MP 432, MP 433.9 |

Abnormal heat from hot wheels (sticking brakes), overheated journals, traction motor or suspension bearings, will actuate track side indicators causing rotating white light on field side of associated track to illuminate at detector (scanner) and locator locations. Dragging equipment will also actuate track side indicators.

Westward trains being stopped by detector MP 125.3 should, after stopping and securing readout, make movement over high-way crossing not to exceed 5 miles per hour but stop short of Illinois River Bridge before making inspection.

Two rotating white lights at detector MP 366.5 and locators MP 363.9 and MP 368.6. The rotating light nearest the track is for the shifted load detector and the light to the field side is for the hot box and dragging equipment detector.

When track side indicators are actuated by a train, stop must be made with head end at locator, if possible, readout observed and instructions in locator cabinet complied with. If abnormal heat or dragging equipment is not found on equipment indicated by locator, close inspection must be made on three cars (or units) on either side of indicated equipment.

If lamp or counters fail to show location of overheated equipment, the entire train must be thoroughly inspected for hot journals, wheels, bearings, or dragging equipment.

On inspections required above, give particular attention to heat of journals and hub of wheels. If nothing found wrong, train may proceed at prescribed speed, but must make two stops within next sixty miles at approximately thirty mile intervals for thorough inspection of train, unless train passes an intervening hot box detector or train is delivered to terminal where mechanical inspection is made. At crew change points where mechanical inspections are not made, inbound crew will inform relieving crew of existing condition.

When track side indicator is illuminated before train reaches scanner, stop must be made and locator observed unless otherwise instructed by train dispatcher. If any lamps in locator cabinet are lighted, be governed by above instructions. If no lamps are lighted, train may proceed at prescribed speed and must be observed closely enroute.

When suspected journal on freight equipment indicated by locator is a roller bearing journal, the car must be set out unless cause found to be sticking brakes and condition corrected.

When a train is stopped by detector, Form 1572 Standard must be filed at first office of communication.

Trains must not exceed speed of 30 MPH while moving over hot box detectors (scanners) when:

- (a) it is snowing or sleeting; or,
- (b) there is snow on ground which can be agitated by a moving train.

HOW TO USE THIS CHART:

To determine where a placarded car can be placed in a train follow these steps:
 - Determine the type of placard that is applied to the car. From Line 1.
 - Determine the type of car to which the placard is applied from Line 2.
 - Follow vertically down the chart and note which lines apply.
 - The symbol "✓" indicates working at the side that applies.
 See footnotes for explanation.

POSITION IN TRAIN OF PLACARDED CARS CONTAINING HAZARDOUS MATERIALS

| | | | | | | | | | |
|---|-------------------------------|--|------------|---------------------|-------------|---|---|------------------------------------|-------------|
| 1 | PLACARD APPLIED ON CAR | EXPLOSIVES-A | POISON GAS | POISON GAS | RADIOACTIVE | ANY PLACARDED LOAD OTHER THAN COMBUSTIBLE OR POISON GAS | OTHER THAN PLACARDED EXPLOSIVES A POISON GAS OR COMBUSTIBLE | PLACARDED EMPTY EXCEPT COMBUSTIBLE | COMBUSTIBLE |
| 2 | TYPE OF CAR | ANY CARS (for flat cars containing trailers or combinations) | TANK CAR | OTHER THAN TANK CAR | ANY CAR | TANK CAR | OTHER THAN TANK CAR | TANK CAR | TANK CAR |

| | | | | | | | | | | |
|----|-----------------------------------|---|----------------|----------------|----------------|---|---|----------------|----------------|---|
| 3 | RESTRICTIONS | | | | | | | | | |
| 4 | WHEN TRAIN LENGTH PERMITS | MUST NOT BE NEARER THAN 6th FROM ENGINE, OCCUPIED CABOOSE OR PASSENGER CAR | ✓ | ✓ | | | | ✓ | | |
| 5 | WHEN TRAIN LENGTH DOES NOT PERMIT | MUST BE NEAR MIDDLE OF TRAIN BUT NOT NEARER THAN 2nd FROM ENGINE, OCCUPIED CABOOSE. | ✓ | ✓ | | | | ✓ | | |
| 6 | MUST NOT BE PLACED NEXT TO | LOADED FLAT CAR, A FLATCAR EQUIPPED WITH PERMANENTLY ATTACHED ENDS OF RIGID CONSTRUCTION IS CONSIDERED TO BE AN OPEN-TOP CAR. | ✓ ^① | ✓ | ✓ | | | ✓ ^② | | |
| 7 | | AN OPEN-TOP CAR WHEN ANY OF THE LADING PROTRUDES BEYOND THE CAR ENDS OR WHEN ANY OF THE LADING EXTENDING ABOVE THE CAR ENDS IS LIABLE TO SHIFT SO AS TO PROTRUDE BEYOND THE CAR ENDS. | ✓ | ✓ | ✓ | | | ✓ | | |
| 8 | | ENGINE | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | |
| 9 | | EXCEPT AS PROVIDED IN LINES 10 AND 11, A CAR OCCUPIED BY ANY PERSON OR A PASSENGER CAR OR COMBINATION CAR THAT MAY BE OCCUPIED. | ✓ ^③ | ✓ ^③ | ✓ ^③ | ✓ | ✓ | | ✓ ^④ | ✓ |
| 10 | | OCCUPIED CABOOSE | ✓ ^③ | ✓ ^③ | ✓ ^③ | ✓ | ✓ | | | ✓ |
| 11 | | OCCUPIED GUARD CAR | ✓ ^③ | ✓ ^③ | ✓ ^③ | | ✓ | | | |
| 12 | | UNDEVELOPED FILM | | | | ✓ | | | | |
| 13 | | A CAR WITH AUTOMATIC REFRIGERATION OR HEATING APPARATUS IN OPERATION, OR A CAR WITH OPEN-FLAME APPARATUS IN SERVICE, OR WITH AN INTERNAL COMBUSTION ENGINE IN OPERATION. | ✓ | ✓ | ✓ | | ✓ | | | |
| 14 | | A CAR CONTAINING LIGHTED HEATERS, STOVES, OR LANTERNS. | ✓ | ✓ | ✓ | | | | | |
| 15 | | EXPLOSIVES A | | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| 16 | | POISON GAS | ✓ | | | ✓ | ✓ | ✓ | | |
| 17 | | LOADED PLACARDED CAR, OTHER THAN A CAR PLACARDED WITH THE SAME PLACARD OR THE "COMBUSTIBLE" PLACARD. | ✓ | ✓ | ✓ | ✓ | | | | |
| 18 | | RADIOACTIVE | ✓ | ✓ | ✓ | | ✓ | ✓ | | |

FOOTNOTES:

① Loaded cars placarded "EXPLOSIVES A" may be placed next to each other.

② A specially equipped car in trailer-on-flatcar or container-on-flatcar service or a flatcar loaded with vehicles secured by means of a device designed for that purpose and permanently installed on the flatcar, and of a type generally accepted for handling in interchange between railroads may be placed next to these placarded loaded tank cars subject to the following: this exception for cars in trailer-on-flatcar service does not apply to loaded flatbed trucks, loaded flatbed trailers, loaded open-top trailers, or loaded trucks or trailers without securely closed doors.

③ A rail car placarded "EXPLOSIVES A" or "POISON GAS" in a moving or standing train must be next to and ahead of any car occupied by the guards or technical escorts accompanying this car. However, if a car occupied by guards or technical escorts is equipped with a lighted heater or stove, it must be the fourth car behind any car requiring "EXPLOSIVES A" placards.

④ Applies only in mixed train service, see section 174.87.