BURLINGTON NORTHERN INC.

FARGO DIVISION

Special Instructions No. 1

IN EFFECT AT 12:01 A.M.
Central Standard Time

Tuesday, March 3, 1970

Asst. Vice President Transportation H. J. SURLES Asst. Vice President Operations R. H. SHOBER

Superintendent B. V. COYER

ALL SUBDIVISIONS

	ALL SUDDIVISIONS
1.	Speed Restrictions— Maximum Speeds Permitted Passenger trains 79 MPH.
	Freight trains 65 MPH.
	The above speeds are subject to modification under speed restrictions indicated under each subdivision
	special instructions. All trains and engines through turnouts and gantlets except as specified in special instructions or where
	fixed signals indicate otherwise
	otherwise provided. Branch
	Equipment Main Line Line
:	Ore cars 45 MPH. 20 MPH.
	Wrecking derricks
	Pile drivers
	Clamshells & shovels
	Jordan spreaders
	Scale test cars
	Air dump cars (loaded)
	Rotary plows, wedge plows & dozers 30 MPH. 15 MPH. Log trains
	Diesel engines, wrecking cranes and other types of heavy work equipment must not be operated on subdivisions on which they have not been previously operated, until it is positively known that such movement can be made safely.
2.	Movement of engines dead in trains—
	Diesel engines not equipped with alignment control couplers or alignment control lock blocks when in tow in freight or mixed trains must be handled singly, not in groups and not less than 5 cars or more than 15 cars from the road engine.
	Other diesel units when in tow dead in trains should not be in groups of more than 5 units, such units may be handled next to road units. Diesel units equipped with coupler control lock blocks must have lock blocks in "Down" position when in multiple groups.
	Diesel units not equipped with alignment control devices:
	GN1 through 195
	CBQ9103 through 9106
	9186, 9187, 9139 through 9143, 9147 through 9153, 9203 through 9248, 9400 AB through 9413 AB, 9249 through 9292, 9310 through 9321
	NP99 through 177
	400 through 429 500, 501, 525, 551, 555 through 558
	602, 603, 651, 700 through 724 750, 800 through 803, 850 through 853
	900 through 912 SPS11 through 55
	856 through 869
	Diesel units equipped with coupler alignment lock blocks:
	GN550 through 599
	CBQ200 through 267, 270 through 287 300 through 374, 400 through 411 430 through 459
	NP200 through 375, 552 through 554 562 through 569
	SPS60 through 84
	All other Diesel units are equipped with alignment control couplers.
	Maximum Speed Diesel Units Dead In Tow-
	CBQ 9108 through 9106 30 MPH.
	9186, 9137, 9139 through 9143, 9147 through 9153, 9203 through 9292 50 MPH.
	100 through 999 65 MPH.
	9916 through 9998 79 MPH.
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	NP	Engine 100		
		400 series, 600, 700 series	45	MPH.
		99 and 5400 series	55	MPH.
		100 series (except 100) 525, 800 through 803	60	MPH.
		200 series, 300 series, 500, 501, 550 through 569, 850 series, 860 series 900 series, 6000		
		series, 7000 series.	65	MPH.
		2500, 2800, 3300, 3600 series		
		6500 series, 6600, 6700 series	10	mr. II.
		Budd cars B-30, B-31, B-32, B-40, B-41, B-42	70	WDU
		•	19	MPH.
	GN	14 through 16, 77, 80 through 83, 98, 99, 102 through 110, 112 through 131, 134 through		
		through 110, 112 through 131, 134 through		TENTT
		136, 145 through 162, 165 through 170	90	MPH.
		11 through 13, 17 through 23, 29 through 33,		
		100, 101, 163, 164, 186 through 195, 200		
		through 209, 271 through 276, 807 through		
		through 209, 271 through 276, 807 through 817, 448 through 474 even nos., 550 through 599, 600 through 678, 681 through 734, 900		
		through 915, 2000 through 2035, 3000 through		
		8040	8K	MPH
		820 through 333, 850 through 885, 400 through	•	M1 11.
		440, 500 through 503, 505 through 512, 679,		
		680 R.D.C. 2350, 2500 through 2544	79	MPH.
	ana		••	
	SPS	11, 22 through 28, 40 through 45,	20	MOTE
		50 through 55	ου	MPH.
		60 through 98, 154 through \$27, 856, 869	65	MPH.
		830 through 335, 150 through 153, 750,		
		800 through 806	79	MPH.
8.	When	NP road passenger diesel units are compled in	m	nitinia
•	with r	NP road passenger diesel units are coupled in oad freight or road switcher units, the road	Dag	senger
	units	must be trailing to avoid danger of sliding whee	ls (on the
	freigh	must be trailing to avoid danger of sliding whee t or_road switcher units due to excessive brake	СУ	linder
	pressu	re. The speed restrictions for freight and road	SW	ritcher
	units	must be observed to avoid damage to traction	mot	ors.
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4.	Follow	ring equipment loaded or empty must be ha	ndl	ed on
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conductor who will determine that they are not overloaded or improperly loaded and are safe to move without loss of lading.

On Double Track

SPEED OF TRAINS HANDLING SUCH LOADS WILL NOT EXCEED 20 MPH.

Trains handling such loaded cars must not meet or be passed by trains, except work trains, between stations on opposite track of double track; must be standing when met or passed by passenger trains on opposite track at stations and if practicable must be standing when met or passed by freight trains on opposite track, but if not practicable will move at reduced speed. When meeting or passing work trains between stations one train must be standing when practicable.

train must be standing when practicable.
Conductors will notify dispatchers when such loaded cars are to be handled in their train and secure train orders that trains, except work trains, on opposite track will be held at next station until their train has arrived. Such loaded cars must be handled between stations only during daylight hours except in case of emergency, and when running between stations, a trainman must be stationed on the rear platform of the caboose to watch for pulpwood that may be lost from cars and obstruct the opposite track. In case of such obstructions prompt action must be taken to protect trains on the opposite track.

On Single Track-

Trains handling such loaded cars must be standing when meeting or being passed by passenger trains.

The foregoing requirements will not apply to pulpwood loaded in gondola cars, properly secured with side protection of wire mesh or boards in accordance with Open Top Car Loading

Precautions to be observed in the handling of peeled pulpwood. Before picking up cars of peeled pulpwood from industry at any station, conductor must examine lading; if lading is not protected with woven wire to prevent sliding out on sides, or, when wire is not available, with boards and stakes, then car must not be moved from industry. The fact must be promptly reported by wire to the Superintendent tendent.

If unpeeled pulpwood, end stakes must be placed vertically across both ends of car so as not to leave a gap or opening between the stakes. If car is loaded above the end stakes car must be refused and Superintendent notified.

- Rule 223—Unless otherwise provided lights will not be displayed on train order signals on Branch Line Subdivisions. Trains will be governed by the day indication of these train order 8. Rule 223signals.
- 9. Rules 200 and 83(B) and other rules pertaining to authority for and signature on train orders and clearances are modified to permit train orders and clearances to be issued by the authority and over the signature of the Chief Dispatcher.

Until further notice train dispatchers offices will remain at present locations and will govern the same districts as prior to the merger.

FIRST SUBDIVISION

 Speed Restrictions— Ma	ıxim	um Speeds		
Zone-Between				eight
Rice Jct. and Fargo Jct			. 60	MPH.
Trains or engines on main routes actuating the points of Spring Switches trains or engines thru No. 20 turnouts at following locations.	;			
Barnsville Jct. Switch	. 35	MPH.	85	MPH.
Moorhead Jct. Switch	. 35	MPH.	85	MPH.

2. Train Register Exceptions

1.

Moorhead Jct., all trains register by ticket.

Barnesville, register is for trains originating or terminating. Fargo—Register is for First class trains and extra passenger

Fargo Jct.—Register is only for freight trains.

Clearance Provisions and Exceptions Rule 83(B)-

Fargo Division clearance received at St. Cloud will clear westward trains at Rice Jct.

Engineers on incoming First Class Trains at Barnesville must deliver their train orders and clearances that are still in effect to the engineer that relieves them.

Fargo-All trains must obtain Clearance and train orders at passenger station.

Trains destined westward on Dakota and Minot Divisions must obtain their Dakota and Minot Division Clearance at passenger station. Fargo Jct.—Eastward trains from Dakota and Minot Divisions may proceed on authority of Clearance under which such train arrives.

Speed Test Boards-

Engineers shall test speed of their train passing the following points as compared with speed table:

Westward trains, between MP 83 and MP 84 between St. Joseph and Collegeville.

Eastward trains, between MP 12 and MP 11 between Baker and Sabin, and between MP 214 and MP 213 between Lawndale and Barnesville.

5. Spring Switches with Facing Point Lock-

Fargo Jct., west yard switch.

The above spring switch is identified by a target with the letter S on blade of target. Blade is colored yellow with black letter S on both Sides. The target is attached to the mast of the spring switch light. When a lunar light is displayed on the spring switch light it indicates that spring switch is in normal operating condition. If a red light is displayed on the spring switch light be governed by Rule 104(H) of the Consolidated Code of Operating Rules.

6. Manual Interlocking with Dual Control Switches-

Rice Jct. Barnesville Fargo Moorhead Jct.

- The limits of Fargo interlocking extend from the westward absolute signal at the junction of Surrey and Dakota main tracks east of depot, to the eastward absolute signal just west of 8th St. crossovers. The hand-throw electric locked switches in this area are under control of the Fargo operator.
- 8. Manual Interlockings-

Siding 3 long, 1 short.

9. Automatic Interlockings Not Indicated At Station-

signal. If this operation does not cause signal to indicate proceed, release must then be operated in accordance with instructions posted in box at the crossing. These instructions cover operation of electric switch locks on east siding switch and industry track switch.

- 10. Freight trains using the siding at Carlisle, Minnesota, must stop to clear the Township Road Crossing located approximately 1/2 mile West of the Carlisle depot. It will be permissible, if necessary, to block the road crossing immediately West of the depot, but in no case will both road crossings be blocked.
- 11. Fargo—Between 8th St. crossovers and Fargo Jct., unless otherwise instructed, Dakota division trains will use Dakota main track, Minot division trains will use Surrey main track.

Fargo—Trains and locomotives using middle track at Fargo Yard will not exceed a speed of 15 MPH. from a point 300 feet on either side, and across Seventh Avenue Crossing, located one half mile east of Fargo Yard Office.

SECOND SUBDIVISION

Speed Restrictions—	Maximum Speeds Permitted
Zone—Between	Passenger Freight
Staples and Jamestown	75 MPH. 65 MPH.
Against the current of traffic on double track	
Except on curves	All Trains
MP 98 to MP 99 between Bloom	and Jamestown 55 MPH.
Coal Trains: MP 59 (East of Peak) and Koldo Buffalo and Casselton	k
At Detroit Lakes over Lake Street as Washington Avenue Crossings	
At Detroit Lakes trains picking up o putting off US Mail	30 MPH.
Through Casselton	40 MPH.
Between Berea and Valley City Fr	eight 20 MPH.

At Wadena, trains and engines will not exceed a greater rate of speed than is reasonable and proper, having due regard to the conditions then existing.

At Detroit Lakes, Fargo and Moorhead, all trains shall be operated at a reasonable speed and with due care.

At Moorhead, all trains and yard engines stopping on main track between 4th St. and 14th St. crossing will not exceed 10 MPH from point where stop is made until engine passes either 4th St. or 14th St. to permit proper operation of crossing signal and gates.

2. At Staples-

1.

Westward trains arriving Staples on the time of westward first class trains are authorized to proceed on the westward main track within yard limits if the westward interlocking signal located at end of CTC limits indicates proceed.

Yard engines desiring to enter CTC territory must call control operator advising route to be used and will be governed by his instructions.

When necessary to perform switching over dual control switches on engine track or freight leads, authority must be obtained from control operator who will properly position and lock dual control switches. When this is done signals governing routes will display a flashing red aspect per Rule 240-A3, Figure 4 and switching may be carried on continuously while signals display this aspect.

If while switching the aspect of governing signals change to a stop indication per Rule 240-A1, Figure 4, the track must be cleared immediately and control operator contacted for further instructions.

An employe call light is mounted on bungalow located on north side of north main between Sixth and Seventh Streets. When call light is illuminated any employe observing it, except those on moving trains, must immediately communicate with control operator per Rule 248.

The east switch of the engine lead formerly controlled by interlocking operator is changed to a hand-throw switch. This switch is not within CTC limits and may be used without permission of control operator.

At Staples-

Electronic grade crossing predictors are installed at 6th Street and 7th Street crossings located East of Passenger Station.

Due to time out features on crossing signals, all trains and engines stopping in the vicinity of these crossings must proceed slowly when starting and crews must know that crossing gates are down before train or engine enters the crossing.

At Manitoba Jct.-

If Signal governing movement from Dakota Division Fifth Subdivision to Second Subdivision indicates proceed, movement may be made without flag protection. If signal indicates "Stop" movement must be made under flag protection against Westward First Class Trains.

Between Fargo and Dilworth— Trains from Ninth Subdivision may run as eastward extra trains Fargo to Dilworth without train order authority. Crews of such trains must secure verbal authority from the operator Fargo before entering the Second Subdivision.

3. Yard Limits-

Tracks between yard limit signs east of LaBelle and west of Lake Park operated as one yard.

Tracks between yard limit signs west of MP 10 at Fargo and east of Bridge O, east of Dilworth, will be operated as one yard.

Between Berea and Valley City Freight—Tracks between end of track sign east of Valley City freight and Berea will be operated as one yard. Conductors of extra trains and engineers of light engines must call the operator at Valley City passenger station immediately before departure when making a movement between Berea and Valley City Freight.

4. Sidings-

At Wadena, the track south of the eastward track, between the connection to the eastward track and the first crossover to the eastward track, is designated as eastward siding.

At Fife, trains may expect to find siding blocked at all times. At Sanborn, south siding is eastward; north siding is westward.

- At Richards Spur, close clearance at loading chute on both spur tracks.
- 7. At Fargo, when westward main track is blocked between Broadway and 8th St., the run-around track may be used, leaving main track switches and switches for short four, lined for run-around track.

All trains, except first class trains, approach passenger station prepared to stop, expecting to find baggage trucks opposite baggage cars and standing foul of adjacent tracks.

 At Buffalo, the normal position of double track switch is for eastward track. Operators will handle.

Time of all trains applies at end of double track.

9. Between Peak and Berea-

Dragging equipment detectors east and west of Bridge 64. For westward movements, the dragging equipment detector is located just west of automatic block signal No. 617, and the defective equipment indicator is on the mast of Signal 641. For eastward movements, the dragging equipment detector is located just east of automatic block signal No. 685, and the defective equipment indicator is on the mast of Signal 658.

That part of Rule 240-T stating "A member of train or engine

That part of Rule 240-T stating "A member of train or engine crew must report to control operator immediately." does not apply. After train crew has inspected train for dragging equipment, Superintendent must be notified from first available point of communication.

OT COMMUNICATION

 At Bloom—Dual control switch at end of double track is automatically operated. Normal position of switch is for westward track.

When a train or engine is stopped by Signal governing movement over this switch and no conflicting movement is evident, or when necessary to use this switch for switching purposes, it may be hand operated in accordance with Rule 275A without permission or time limits from train dispatcher. Rules 275 and 276 are modified accordingly.

Time of all trains applies at end of double track.

11. At Jamestown, Yellowstone Division Instructions Govern.

12. Train Register Exceptions: Lake Park for trains originating or terminating. Fargo for first class and extra passenger trains. Jamestown passenger station—First class and extra passenger trains only.

At Dilworth, passenger trains will register by ticket.

13. Clearance Provisions and Exceptions Rule 83(B)—
Manitoba Jct.

At Dilworth, trains destined Ninth Subdivision will require clearance for Second and Ninth Subdivisions.

At Fargo conductors on incoming first class through trains must deliver the train orders and clearances in their possession to the conductor who relieves them. Rule 83(b) is modified accordingly. Fargo trains from Ninth Subdivision.

14. Spring Switches-

Instructions for operation of spring switches are posted at or near the spring switch and must be complied with.

Unless otherwise specified, the normal position of spring switches is for main track.

When the target of a spring switch shows "red" to an approaching train or engine, a trailing point movement actuating the spring switch points must not be made.

Normal indication of siding signal is STOP. If siding signal does not clear on approach of train, movement must be governed by instructions posted at the switch.

Sanborn, at east end eastward siding, equipped with facing point lock and switch key signal operation.

Eckelson, west end siding, equipped with facing point lock and switch key signal operation.

15. On this subdivision Rule 509 will not apply when signal governs movement over or through a spring switch. In Automatic Block Signal territory when a train or engine has been stopped by a signal governing movement over or through a spring switch and signal continues to display a stop indication, after complying with Rule 104 (H), movement may proceed at restricted speed through entire block. When stopped at leaving end of siding the indication may be due to an opposing train proceeding on an approach indication and every precaution consistent with train rights and condition of track ahead must be taken before proceeding.

THIRD SUBDIVISION

Clearance Provisions and Exceptions Rule 83(B)— Wahpeton Jct., trains for which this point is the initial station may proceed on authority of clearance under which such trains arrive.

 Speed Test Boards— Engineers shall test speed of their trains passing following points as compared with speed table:
 Westward trains, between MP 16 and MP 17, approximately 4 miles west of Kent.

4. Manual Interlockings—
Whistle signal for routes at Moorhead Jct.:

 Third Subdivision
 1 long, 1 short

 Siding
 8 long, 1 short

 First Subdivision
 1 long

5. Kent, when siding is occupied by a train, members of train crew must be stationed at Third Street crossing approximately 100 feet west of depot and also at State Aid road No. 7 crossing approximately 900 feet east of depot to flag highway traffic over these crossings.

Train Register Exceptions—
 Breckenridge, first class trains and extra passenger trains register by ticket at passenger station. Other trains register at yard office.

FOURTH SUBDIVISION

1.	Speed Restrictions-	Maximum Speeds	Permitted
	Zone—Between Chaffee Line Jct. and C	Chaffee	Freight 20 MPH.

Clearance Provisions and Exceptions Rule 83(B)—
Wahpeton Jct. and Chaffee Line Jct. trains for which these
points are the initial stations may proceed on authority of
clearance under which such trains arrive.

Speed Test Boards—
 Engineers shall test speed of train passing the following location
 then compare with speed table:
 Westward trains between MP 10 and MP 11 about 2 miles west

4. Spring Switches with Facing Point Lock—
Casselton, east switch of siding. Spring switch light located on a separate mast. When a lunar aspect is displayed it indicates that the spring switch is in normal operating condition. When a red aspect is displayed Consolidated Code Rule 104(H) applies. The spring switch light when displaying a lunar aspect is not to be confused with the lunar aspect as shown in Consolidated Code Rule 240N.

5. Manual Interlocking—
Second Subdivision crossing Casselton Tower, whistle signals for routes:

Main track — 1 long

.....1 long, 1 short

6. Unless otherwise instructed, protection against following trains, as required by the Consolidated Code Rule 99, is not necessary between points shown below:

Chaffee Line Jct. and Chaffee

Siding

of Dwight.

FIFTH SUBDIVISION

1.	Speed Restrictions-	Maximum Speeds Per	rmitted
	Zone—Between	F	reight
	Sauk Centre and Cass Lake		MPH.
	Absolute Signals of Interlockings at:		
	Park Rapids Jct		MPH.
	Wadena	20	MPH.

- 2. The standard crossbuck grade crossing signs on Highway No. 371 one mile south of Wilkinson, Minn. have been removed. In the event of any train operation between Walker and Cass Lake trains must stop and arrange for a trainman to protect the crossing preceding the movement over the crossing.
- Unless otherwise instructed, protection against following trains, as required by Consolidated Code Rule 99, is not necessary on Fifth Subdivision, between Cass Lake and Park Rapids Jct.
- 4. Fifth and Ninth Subdivision crossing 2.1 miles west of Walker.

SIXTH SUBDIVISION

1.	Speed Restrictions-		
	Zone—Between Maximum Speeds	Per	mitted
	Wadena and Mile Post 21	40	MPH.
	Mile Post 21 and Wahpeton	35	MPH.
	Wahpeton and Milnor	45	MPH.
	Over State Highway No. 18 crossing, Wyndmere	25	MPH.
	Milnor and Oakes		
	Fairview Jct. and Great Bend	15	MPH.
	Handling coal, Wadena Jct. to Fergus Falls	25	MPH.
	Fergus Falls and Pelican Rapids	20	MPH.
	Over public crossings within corporate limits-		
	At Fergus Falls	12	MPH.
	At Wahpeton	25	MPH.
	At Oakes	10	MPH.

2. Bridge and Engine Restrictions-Diesel Engine Units and cars in excess of 248,000 lbs.

Between MP 55 and Wapeton..... 20 MPH. Between Wapeton and Wyndmere..... 25 MPH. Between Milnor and Oakes..... 20 MPH. Series U25C, U28C, U33C and SD45 diesel engine units between Fairview Jct. and Great Bend.......Not Permitted

3. At Wadena, track south of the eastward track, between the connection to eastward track and the first crossover to the eastward track, is designated as a siding.

Before occupying Second Subdivision main track, all trains will call the operator for information as to other train movements and avoid delay to important trains. Second Subdivision instructions govern.

- At Fergus Falls, trains must stop not less than twenty-five (25) feet from First Subdivision crossing over Rosengren spur, and then send flagman ahead to protect the movement.

Tracks between yard limit signs east of Breckenridge and west of Wahpeton operated as one yard.

- 6. Train Register Exceptions: Wahpeton, for trains originating or terminating.
- 7. Between Fairview Jct. and Great Bend, trains will not require train order or clearance, and will be governed by Rule 98.
- Unless otherwise provided, protection against following trains as required by Consolidated Code Rule 99, is not required on the Sixth Subdivision.
- Automatic Interlockings Not Indicated at Station-Between Everdell and Breckenridge Twin Cities Division Crossing

SEVENTH AND EIGHTH SUBDIVISIONS

1.	Speed Restrictions—	Maximum	Speeds	Per	mitted
	Zone—Between				eight
	Geneseo Jct. and Aberdeen				
	Rutland and Forbes			25	MPH.
	Between Absolute Signals of Interlo	ckings at:			
:	Aberdeen			20	MPH.

2. Clearance Provisions and Exceptions Rule 83(B) At Aberdeen Line Jct., trains for which this point is initial station may proceed on authority of clearance under which such trains arrive. Westward Seventh Subdivision trains will require Soo Line R.R.

clearance at Breckenridge. Eastward Seventh Subdivision trains will require Soo Line R.R.

clearance at Aberdeen or Rutland.

- Unless otherwise instructed, protection against following trains, as required by Consolidated Code Rule 99, is not necessary between Geneseo Jct. and Aberdeen on the Seventh Subdivision and between stations on the Eighth Subdivision.

NINTH SUBDIVISION

1.	Speed Restrictions— Zone—Between Maximum Speeds Permitted Fargo and Edgeley	
2.	Bridge and Engine Restrictions— Diesel engines and cars in excess of 248,000 lbs: Fargo and Edgeley	
	At Fargo—Second Subdivision Special Instructions govern. At Edgeley Junction, normal position of switch is for Streeter	

Yard Limits—The tracks between yard limit signs east and west of Edgeley Junction, at Edgeley, and between Edgeley Junction and Edgeley will be operated as one yard.

branch.

1. Speed Restrictions-

- 6. Sidings, except at Leonard and Lisbon will also be used as industrial tracks.
- Train Register Exceptions: Independence and Lamoure—Trains from Yellowstone Division only.
- Clearance Provisions and Exceptions Rule 83(B)—At Fargo, trains from Second Subdivision will be governed by clearance furnished at Dilworth.

At Independence, trains from Yellowstone Division will not require clearance. At Lamoure, trains for Yellowstone Division will not require clearance if train order signal indicates proceed.

Unless otherwise provided, protection against following trains as required by Consolidated Code Rule 99 is not required on the Ninth Subdivision between Fargo and Independence and be-tween Lamoure and Streeter.

TENTH SUBDIVISION

	Zone—Between Maximum Speeds MP 0 and MP 22 (Casselton and Lucca)	25 80 25	MPH. MPH. MPH.
2.	Bridge and Engine Restrictions: Diesel units and cars in excess of 248,000 lbs. between Casselton and Embden		

- 3. Sidings, west of Casselton will also be used as industrial tracks.
- 4. Unless otherwise provided, protection against following trains as required by Consolidated Code Rule 99 is not required on the Tenth Subdivision.

ELEVENTH SUBDIVISION

1.	Speed Restrict	ions—	
	Zone—Betw	een .	Maximum Speeds Permitted
	Sanborn and I	McHenry	30 MPH.
_			

- 2. At Sanborn-Yard Limit sign does not apply on Second Subdivi-
- Sidings west of Sanborn will also be used as industrial tracks.
- 4. Unless otherwise provided, protection against following trains as required by Consolidated Code Rule 99 is not required on the Eleventh Subdivision.

SPEED TABLE

Time P		Miles	Time P		Miles
Min.	Sec.	Per Hour	Min.	Sec.	Per Hour
	46	78.3	1	18	46.2
	47	76.6	1	20	45.0
	48	7 5 .0	ī	22	43.9
	49	73.5	ī	24	42.9
	50	72.0	ī	26	41.9
	51	70.6	1	28	40.9
	52	69.2	1	30	40.0
	53	67.9	1	33	38.7
	54	66.7	1	36	37.5
	55	65.5	1	39	36.4
	56	64.3	1	42	85.3
	57	63.2	1	45	34.3
	58	62.1	1	50	32.7
	59	61.0	1	55	31.3
1	0	60.0	2	_	30.0
1 1	1	59.0	2	10	27.7
1	2	58.1	2	20	25.7
1	3	57.1	2	30	24.0
. 1	2 3 4 5 6 7 8 9	56.3	2	40	22.5
1	5	55.4	8		20.0
1	6	54.5	3	30	17.1
1	7	58.7	4		15.0
1	8	52.9	5		12.0
1 1 1 1 1 1 1		52.2	111112222233456789		10.0
1	10	51.4	7		8.6
1	12	50.0	8		7.5
1	14	48.6			6.7
1	16	47.4	10		6.0