COMPANY SURGEONS

*De Albert Chienes Chief Medical	Officer Ot Deal Minn
*Dr. Abbott Skinner, Chief Medical *Dr. Hugo F. Schroeckenstein, Asst.	OmcerSt. Paul, Minn.
Dr. Hugo F. Schroeckenstein, Asst.	to Chi. Med. Oincer
	St. Paul, Minn.
Dr. Theodore Loken	Ada, Minn.
Dr. Leroy J. Larson	
*Dr. Einar W. Johnson	Bemidji, Minn.
*Dr. Richard P. Groschupf	Bemidji, Minn.
*Dr. Carl Simison	Barnesville, Minn.
*Dr. C. H. Coombs	Cass Lake, Minn.
*Dr. D. E. Stewart	
*Dr. Howard M. Wikoff	Crookston Minn
Dr. John C. Fawcett	Devils Lake N D
*Dr. Glenn W. Toomey	
*Dr. R. Donald McBane	Dovile Lake, N. D.
Dr. A. N. Flaten	
*Dr. V. G. Borland	
Dr. G. Howard Hall	
Dr. Eusebio R. Mendoze	rargo, N. D.
*Dr. Norman H. Baker	Fergus Falls, Minn.
Dr. George A. Sather	
Dr. C. J. Glaspel	Grafton, N. D.
*Dr. Walter C. Dailey	Grand Forks, N. D.
*Dr. William T. Powers	
*Dr. Harold Tarpley	Grand Forks, N. D.
*Dr. R. K. Helm	Grand Forks, N. D.
Dr. Peter Foderick	
Dr. Robert W. McLean	
Dr. N. J. Kaluzniak	Langdon, N. D.
Dr. C. O. Haugen	Larimore, N. D.
Dr. J. M. Muus	McVille, N. D.
Dr. R. C. Little	Mayville, N. D.
*Dr. L. H. Kermott	Minot, N. D.
Dr. John F. Zachman	
Dr. Robert H. Delano	Northwood, N. D.
Dr. Henry A. Korda	Pelican Rapids, Minn
Dr. J. L. Delmore, Jr.	Roseau, Minn
*Dr. V. E. Neils	
*Dr. G. H. Goehrs	
*Dr John C Grant	Sauk Centre Minn
*Dr. John C. Grant *Dr. Julian F. DuBois, Jr.	Sank Centre Minn
Dr. C. H. Holmstrom	Werren Minn
Dr. Charles M. Burns	
Dr. Charles M. Durin	wimipeg, man.
*Designator also Evernining Consess	

*Designates also Examining Surgeon.

OPHTHALMOLOGISTS

(Eye Doctors)

Dr. Malcolm A. McCannel	Minneapolis, Minn.
Dr. Richard C. Horn	Minneapolis, Minn.
Dr. L. J. Prochaska	Grand Forks, N. D.
Dr. John E. Ruud	Grand Forks, N.D.
Dr. W. T. Wenner	St. Cloud, Minn.

W. R. Richter, Asst. Superintendent.

M. D. Rutsen, Chief Dispatcher.

M. J. Costello, Master Mechanic.

T. R. Jarnagin, Trainmaster.

R. D. Nelson, Trainmaster.

W. B. Fleisher, Trainmaster.

R. E. Jaeb, Traveling Engineer.

J. D. Crowley, Traveling Engineer.

GREAT NORTHERN RAILWAY COMPANY

DAKOTA

TIME TABLE 145

EFFECTIVE 12:01 A. M. CENTRAL STANDARD TIME

Thursday, August 15, 1968

P. B. RASMUSSEN, Superintendent.
R. N. WHITMAN, General Manager.
H. J. SURLES,
General Superintendent Transportation.

Printed in U.S.A.

2	W.	EST	WARD					J	FIRST SUBDIV	/ISI	ON				EA	ASTW.	ARD
		Car		FIRST	CLASS		from		Time Table	Calls	ano and	E		FIR	ST CLAS	S	
on		1	7	27	3	31	tance frice Jot.		No. 145	Telegraph	Towet	SIGNS	8	32	28	4	
Station	Sidings	Other Tracks	Daily	Daily	Daily	Daily	Dista	-	STATIONS	Tele	Dieta PA 7	1	Daily	Daily	Daily	Daily	
		,					ID ST	. c	LOUD ARE GOVE	RNE	D BY	WILLMA					
07388		l	10.32Pm	1	. 9.25Am				(RICE JCT		241.98	IJPY	A 4.43Am			A 8.14Pm	
09070		56	10.39		0.21	1	6.18		ST. JOSEPH	10	235.80	OP	4.31			8.07-	
09078		24	10.46		0.30		14.35		AVON	VN	227.63	OP	4.22			7.59	
09084		. 68	10.51		9.43		20.39		ALBANY	BY	221.59	OP	4.16			7.53	
09090	124	45	10.56		9.48		26.67		FREEPORT	FR	215.31	OP	4.09			7.47	
09098	77	80	11.01		9.53		82.62		MELROSE	SU	209.36	OP	4.02			7.41	
09104	43	123	s 11.21		s 10.04		40.98		SAUK CENTRE	AU	201.05	JCYQPB	s 3.50			s 7.33	
09112	126	26	11.30		. 10.12		48.71		WEST UNION		193.27	P	3.35			7.21	
20119		73	11.35		. 10.17		54,50		5.79 OSAKIS	KS	187.48	OP	3.29			7.15	
09118	125	31	11.40		10.22		60.18		5.68 NELSON		181.80	P	3.23			7.09	
09124 09128	80	148	s 11.46		s 10.27		65.77		ALEXANDRIA	RA	176.21	CPQ	s 3.18			s 7.00	
09128	125	23	12.01Am		10.38		72.33		GARFIELD	G	169.65	OP	3.10			6.49	
09180	67	42	12.06		10.43		78.08		BRANDON	BN	163.90	OP	3.05			6.43	
09147	112	42	12.11		. 10.48		83.21		EVANSVILLE	NB	158.77	OP	3.00			6.38	
09155	108	29	12.20		. 10.56		92.12		ASHBY	В	149.86	OP	2.51			6.30	
09163	66	32	12.28		. 11.03		99.83		7.71 DALTON	DO	142.15	OP	2.43			6.22	
-	-	-							11.10	_							
09175	49	252	s 12.40		. s 11.16		110.93		FERGUS FALLS	G8	181.05	JPQCYA	s 2.33			s 6.09	
09183	125	26	12.55		. 11.26		119.22		CARLISLE	CA	122.76	OP	2.23			5.57	
09191	125	31	1.05		. 11.35		127.82	18	6.78	RT	114.16	OP	2.15			5.49	
09198		25	1.12		. 11.42		134.60		LAWNDALE 7.19 BARNESVILLE	WN	107.38	CBIT	2.09			5.42	
09205	129	423	s 1.30		s 11.52		141.79		8.02		100.19	JRYPQ	s 2.01			s 5.30	••••••
53707		39	1.37		. 12.01Pm	n	149.81		BAKER	BK	92.17	OP	1.50			5.18	
53714	125	33	1.43	- 98	12.09	20	156.37		SABIN	8B	85.61	OP	1.43	21	97	5.11	
10041			t.50	1.25Pm	12.19	1.12 _{Am}	164.35		.MOORHEAD JCT	MJ	77.63	CYQIJRP	1.22	A 1.12Am	A 1.25Pm	5.04	
10044	51	251	s 1.52	s 1.28	s 12.22	1.14	165.21		MOORHEAD	мн	76.77	OYPR	s 1.20	1.03	s 1.13	s 5.03	
			1.55	1.35		1.17 1.30			1.05			WCB	1.17	1.00	1.10		
10047	Yard	1866	1.55 2.05		A 12.30Pm		166.26		FARGO	FO	75.72	QIKRY	1.05	12.50	1.00	5.00Pm	
10049			2.06	1.53		A 1.33Am	167.28		FARGO JCT		74.70	QBJKR TYZP	12.53	12.46Am			
10053	125	40	2.13	2.01			174.74		HARWOOD	WD	67.24	OP	12.44		12.49		
10059	48	34	2.18	2.06			180.33		ARGUSVILLE	8I	61.65	OP	12.39		12.44		
10066	107	50	2.24	2.11			187.17		GRANDIN	GA	84.81	OP	12.33		12.38		
10072	125	78	2.29	2.16			193.46		GRANDIN	GN	48.52	OP	12.27		12.32		
10084	212	163	1 2.42	s 2.27			205.28		HILLSBORO	ня	26.70	OPQ	f 12.14		s 12.20		
10092	76	36	2.50	2.36			213.13		CUMMINGS		28.85	P	12.03Am		12.10		
10098	125	49	2.57	2.41			219.18		BUXTON	BU	22.80	OP	11.57		12.04Pm		
10103	75	63	3.03	2.45			224.08		REYNOLDS	RD	17.90	OP	11.52		11.59		
10110	108	79	3.13	2.52			231.25		THOMPSON	ON	10.78	OP QRIJ	11.45		11.52		
05299			A 3.26Am	A 3.01Pm			241.98	_	PA TOWER	PA		QRIJ CYPT	11.35Pm		11.40Am		
			4.54 49.3	1.36 48.5	3.05 53.9	.21 8.3		1	Time Over Subdivision verage Speed Per Hour				5.08 47.3	.26 6.7	1.45 44.3	3.14 51.4	
			49.0	40.0	03.0	8.0		_					17.0	0.1	44.0	01.4	,
								(CONDITIONAL ST	OPS							

CONDITIONAL STOPS

No. 27 stops at any station between Fargo and Grand Forks to pick up revenue passengers for points west of Minot where No. 27 is scheduled to stop.

Eastward trains are superior to westward trains of the same class.

SEE ADDITIONAL SPECIAL INSTRUCTIONS PAGES 7 THROUGH 11.

	EST							OND SUBDIVISION	1	1	Trought Marie	EAS		D 3
Numbers	Cap	ar acity	LANGER	FIRST	CLASS		В	Time Table No. 145	Calls	8	I'll olvin'i omi'l		RST CLA	
on Nun	8	, a		157	147	27	Distance from Cass Lake	Effective August 15, 1968	Telegraph C	ls Lake	SIGNS	158	28	142
Station	Sidings	Other Tracks		Daily	Daily	Daily	Dist	STATIONS	Tele	Distan		Daily	Daily	Daily
5163	Yard	-551			ta			CASS LAKE	CS	220.77	KBJRTCQPY			
5172	67	11					9.65			211.12	P			
5178	68	192					15.27	BEMIDJI	BM	205.30	YAJPO			
5184	157	11					21.42	wilton		199.35	P			
5190		25					27.55	solway		193.22	P			
5196	67	27					33.75	6.20 SHEVLIN		187.02	P			
5203	74	82					40.45	6.70 BAGLEY	BY	180.32	OP			
5211	159	28					47.77	7.32 EBRO		173.00	P			
5224	68	120					60.81	13.04 FOSSTON	FO	159.96	OPQ			
5231	175	35					68.40	7.59 McINTOSH	мо	152.37	OP			
								6.05			comments to			
5237	71	37					74.45	ERSKINE	RS	146.32	OPI		• • • • • • • • • • • • • • • • • • • •	
5244	68	34					81.10	MENTOR		139.67	P		• • • • • • • • • • • • • • • • • • • •	
5251							87.99	TILDEN JCT		132.78	PJR			
5255	175	29					92.49	BENOIT		128.28	P		• • • • • • • • • • • • • • • • • • • •	
							104.93	CROOKSTON YARD		115.89	IJPY		• • • • • • • • • • • • • • • • • • • •	
5270		Yard					106.91	CROOKSTON FREIGHT	C	113.86	QJBKFPRZYC			
5272							108.55	CROOKSTON PSGR		112.22	PRY			
9288		62		10.24Pm				NOYES JCT		112.63	TJYP	A 4.30Am		
5272				s 10.29			108.55	CROOKSTON PSGR		112.22	PRY	s 4.29		
5280	150	50		10.40			117.70	9.15 FISHER	FH	103.07	OP	4.14		
5294	Yard			10.55			131.27	EAST GRAND FORKS	EA	89.50	OPY	4.00		
5296	Yard	H 12	A.III.	11.00	11.25 _{Am}	3.20 _{Pm}	132.06	GRAND FORKS	GF	88.71	WCBKPQFRZY	3.54 3.30	A 11.10Am	A 3.0
	I ard						134.64	2.58 PA TOWER	PA	86.13	PRQCTIJY	3.26Am	11.01	3.0
5299				A 11.30Pm	A 11.40Am		147.70	13.06 EMERADO	DO	73.07	OP	3.20Am	10.46	3.0
5310	151	40	•••••			3.48		6.09 ARVILLA	RF		OP			
5316	100	37				3.54 s 4.04	153.79 159.82	6.03 LARIMORE	KI	66.98	QTJKPYRO		10.39 s 10.32	
5323	182	190				s 4.04	159.62	13.90		60.95			-	
5336	174	36				4.18	173.72	NIAGARA	NA	47.05	OP		10.17	
5343		27				4.24	180.02	PETERSBURG	BE	40.75	OP		10.11	
5348	174	29				1 4.31	185.77	MICHIGAN	HI	35.00	OP		1 10.06	
5359	174	207				s 4.43	196.18	LAKOTA	В	24.59	JTQPYO		9. 55	
5368		27				4.52	205.15	DOYON	DY	15.62	OP		9.44	
5373	192	84				4.57	209.95	CRARY	CY	10.82	OP		9.40	
5384	Yard					A 5.10Pm	220.77	DEVILS LAKE	ws		BWCFTQJKPRYZU		9.30 A m	
_				1.11 22.3	.15 10.3	1.50 48.3	******	Time Over Subdivision Average Speed Per Hour				1.04 24.8	1.40 53.2	.04

Eastward trains are superior to westward trains of the same class.

SEE ADDITIONAL SPECIAL INSTRUCTIONS PAGES 7 THROUGH 11.

4 WESTWARD THIRD SUBDIVISION EASTWARD Time Table No. 145 Effective SIGNS August 15, 1968 STATIONS JPQCYA FERGUS FALLS...... 09175 WEST N. P. RY. JCT... 53601 TRAINS BETWEEN EAST N. P. RY. JCT. AND WEST N. P. RY. JCT. ARE GOVERNED BY NORTHERN PACIFIC TIME TABLE. 0.94 53602 0 22.35 53622 67

2 2	OH.	1900		Cal		
Stat	Of Took		STATIONS	HO		
10044	109		MOORHEAD	MH	OJPY	
56008	31	8.56	8.56 KRAGNES	G8	0	
56015	30	15.39	GEORGETOWN	WN	0	
56022	29	22.03	6.64 PERLEY	PY	0	
56028	52	28.02	5.99 HENDRUM	RH	0	
56034	127	34.14	MALSTAD	SD	0	
56041	44	41.68	7.54 SHELLY	8	0	
56046	104	46.45	NIELSVILLE	N8	0	
56052	46	52.00		CX	0	
56057	53	57.90	5.90 ELDRED	RD	0	
09285		66.49			JPY	

WESTWARD FOURTH SUBDIVISION EASTWARD

Time Table No. 145

Effective August 15, 1968

SIGNS

WESTWARD	FIFTH	SORDIAISION	EASTWARD
1 0 1	18	Time Table	

	Cap	ar	from	No. 145	pp	
Station	Sidings	Other	 Distance i PA Towe	Effective August 15, 1968	Telegraph	SIGNS
#Z	150	OH	DM	STATIONS	HO	
05299			 	PA TOWER	PA	RIJQYPC
			 1.49	.N. P. Ry. Crossing.		PU
55512		82	 12.01	MANVEL	MV	OP
55524	100	43	 24.07	ARDOCH	HN	OPU
55530		144	 30.21	MINTO	MT	OP
55539	87	360	 39.09	GRAFTON	FN	TBPUQJRYO
55546		36	 45.58	AUBURN	AU	OP
55553		192	 53.22	ST. THOMAS	MS	OP
55559		36	 59.28	GLASSTON	NA	OP
55566		36	 66.23	HAMILTON	н	OP
55571		50	 71.86	BATHGATE	VD	OP
55579	Yard	125	 79.18	NECHE	СН	РОУ
55581			 80.96	1.78 GRETNA	N	OJPRT

	Cape		e from	Time Table No. 145	qd		
Station	Sidings	Other	Distance Grafton	Effective August 15, 1968	Telegraph Calls	SIGNS	
N N	Sic	ÖF	ÖÖ	STATIONS	HÖ		
55539	87	360		GRAFTON	FN	OBPUQTJRY	
55606		197	6.47	NASH	NA	0	
55613	65	154	13.66	HOOPLE	но	0	
55618		187	18.29	CRYSTAL	CT	O	
55624		53	24.59	HENSEL	CA	0	
55631		181	32.21	CAVALIER	CV	0	
55648	Yard	203	48.33	WALHALLA	WA	ORYT	

SEE ADDITIONAL SPECIAL INSTRUCTIONS PAGES 7 THROUGH 11.

WE			RD SEV	ENT	H SUBDIVISIO		EAST	WARD	WI	ESTY	EIGHTH SU	JBD:		N EASTW	ARD 5
Station		Other Tracks	CLASS	Distance from Barnesville.	Time Table No. 145 Effective August 15, 1968 STATIONS	Telegraph Calls	SIGNS	B Daily	Station Numbers	ity of	Time Table No. 145	Telegraph Calls	Distance from Tilden Jet.	SIGNS	
09205				7.83	BARNESVILLE 7.88 DOWNER	D DO	BCQRY IJPT OP		Statio	Capacity	August 15, 1968 STATIONS	Teleg	Distar		
09218 09228 09229 09237	56	16 37 37		7.83 17.50 24.18 82.02	9.67 GLYNDON 6.68 AVERILL 7.84 FELTON	ND A FN	CYIP OP OP		55315 55294 55281	158 85 50		WD RU BA	115.34 93.95 80.95	OIY OR O	
09244 09252	47	42 165		39.12 47.35	7.10 BORUP 8.23 ADA 17.02	BO	OP OPQ		55271 55253	66 46	GREENBUSH 18.67MIDDLE RIVER	GB MD	71.47 52.80	0	
09270 09285	·····	47		64.37 79.60	BELTRAMI 15.23 M. N. JCT	DA	OP PJY		55230	8 142	.SOO LINE CROSSING. 3.11 THIEF RIVER FALLS. 7.20 ST. HILAIRE	VR	33.60	UOTY	
TR/	AINS	BE	TWEEN (80.15	CROOKSTON YARD.	NO'	YES JC	T. ARE	55223 55213 55211	45	ST, HILAIRE 10.25 RED LAKE FALLS 2.10 G.N. JCT	FA	23.29 13.04 10.94	O O JR	
					Y SECOND SUBDIV						I IS BETWEEN TILDEN ERNED BY NORTHER				
09288 09301		62	4.30Am f 4.45	88.76 96.01	NOYES JCT 12.25 EUCLID 8.14		JPTY P	A 10.24Pm 1 10.10	05251		TILDEN JCT			JPR	ļ
09309	48	121	f 4.54 s 5.10	104.15	8.48 WARREN	W	AOQP OP	# 10.01 # 9.51 # 9.39							
09327 09335		203	s 5.24 s 5.37	122.44	STEPHEN	AG NE	OP	s 9.39 s 9.29							
09344 09349		47	f 5.46	139.42 144.23	8.53 DONALDSON 4.81 KENNEDY 9.27	AN KY	OP OP	f 9.16 s 9.10							
09358 09363		55	s 6.15 6.25	153.50 159.05	HALLOCK 5.55 NORTHCOTE 6.66	KA NC	OPQ OP	s 8.59 8.49							
09370	Yard	87	f 6.34 A 6.50Am	165.71	8.05 NOYES	HU	BJK CPRY	8.41 8.30Pm							
			2.20 38.6		Time Over Subdivision Average Speed Per Hour			1.54 47.5							

Eastward trains are superior to westward trains of the same class on the Seventh Subdivision SEE ADDITIONAL SPECIAL INSTRUCTIONS PAGES 7 THROUGH 11.

6 V	VES	TW		INTH SUBDIV	VISI	ON EASTWA	ARD	WE	ST	WAI		ENTH SUBDI	VISIO		WARD
Station	Capaci		Distance from Vance	Time Table No. 145 Effective August 15, 1968 STATIONS	Telegraph	SIGNS		Station Numbers	Capacity		Distance from Erie Jot.	Time Table No. 145 Effective August 15, 1968 STATIONS		SIGNS	
00707 . 56305 . 56311 . 56322 . 56333 .		46 34 42 84	4.95 10.96 21.66 33.58		AU UN CD MV	OP OP OP OP		00716 56402 56412 56418	27 35 29		1.63 12.37 17.79	ERIE JCT 1.63 ERIE. 10.74 GALESBURG. 5.42 CLIFFORD		0 0 0	.,
56338 . 56428 .		19 67	38.52 43.06	PORTLAND JCT	RA	JPT OP		WE	ST	WAI		EVENTH SUBI	DIVIS		WARD
56338 . 56345 . 56353 . 56360 .	2	19 200 63 44	45.02 53.51 59.78	## 4.54 ## 6.50 ## 6.50 ## 6.50 ## 6.50 ## 6.50 ## 6.27 ## 6.31	HT ND MT	OP OP OP		Station Numbers	Cap	Other Tracks	Distance from Nolan	Time Table No. 145 Effective August 15, 1968 STATIONS	Telegraph	SIGNS	
05323				T LARIMORE AR ND SUBDIVISION				00724 57002		103	1.57	NOLAN 1.57 PAGE 7.12	GE	JP OPY	
55706 . 55717 .		37 44	74.29 85.09	8.20 McCANNA 10,80 INKSTER	MC N8	0		57009 57015 57021		. 33 . 58 . 37	8.69 14.96 21.30	COLGATE 6.27 HOPE 6.34 BLABON	HO	OP OP P	
55728 . 55734 .	50 2	44 03 91	96.62 102.78 112.08	11.53 pisek	P K BU	О ОТ О		57029 57036 57043	70	. 54 . 36 52	29.29 35.79 42.85	7.99 	FN QN NE	OP OP	
55756 . 55762 .		41 52	124.65 130.43	12.57 MILTON 5.78 OSNABROCK	MN NB	0		57048 57054		. 30	47.83 53.76	4.98 KLOTEN 5.93 McVILLE	KN VI	OP OP	
55774 55788 55795		89 42 34	142.14 156.51 163.23	LANGDON 14.3WALES 6.72HANNAH	DN	OR O OT		57061 57067 57073		. 38 . 39 . 31	61.09 66.85 73.20	7.33 	K N	OP OP P	
				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				57080 57087		. 37	79.60 86.88	WARWICK 7.28 TOKIO	WA	OP P	
				and the same				57096 05384			96.12	DEVILS LAKE	WS WS	OP TBJKFY PRCYZUQ	
WE	STV	VA	RD	ELFTH SUBI		EAST	WARD	55912 55924 55939			113.52 125.43 141.06	11.91 STARKWEATHER 15.63 OLMSTEAD		o U	
Station Numbers	Capacity of Tracks		Distance fron Lakota	Time Tabl Effect August 1 STAT	tive 15, 19	68	SIGNS	55953 55966		. 48	154.59 167.36	ROCK LAKE 12.77HANSBORO	ONS PA	O OT GES 7 THROUG	H 11.
05359 55812 55818	35		12.40	LAK0 12.3 BROC 6.2 LAW	KET.		OTJYPRQ O O								
55827 55840 55852	59 44 44		27.19 40.05 52.44	8.5 EDM 12.8 	ORE ORE OEN.		0 0								
55860 55866 55872	34 36 45		59.88 35.8 3 72.69	7.4 CLY 5.0 CAL 6.8 SAR	δ VIN 6		о о от				,	- t			

÷

50

ALL SUBDIVISIONS

1. SPEED RESTRICTIONS GENERAL.

The following speed limits apply to trains and engines operating under the conditions outlined, unless rules or conditions require a further reduction.

- 50 MPH-Diesel engines light, or with caboose only.
- 85 MPH—Trains or engines on main routes, actuating the points of spring switches; trains or engines thru No. 20 turnouts at following locations.
 Barnesville —Jct. switch.
 Moorhead Jct. —Jct. switch.

Hillsboro —Both siding switches.
—Both siding switches.

- 80 MPH—On Main lines, when handling following equipment in trains not in actual service but on own wheels, derricks, cranes, pile drivers, Jordan spreaders, shovels, wedge plows, scale test car, also ore cars series 80000 thru 95039 and air dump cars X-2000 thru X-2096, X-7000 thru X-7049 when such cars are loaded with ore or gravel.
- 25 MPH—Trains handling logs on flat cars not equipped with permanent steel side stakes; trains or engines moving in facing point direction at spring switches without facing point lock; trains or engines thru No. 15 turnouts at following locations.

PA Tower

—Jct. switches, First Sub-Division.

Both switches of crossover west of
Interlocking station.

Moorhead Jct. -West switch of siding.

- 20 MPH—Trains handling the following equipment on Branch Lines or on 6 degree or sharper curves of Main Lines, scale test car, ore cars series 80000 thru 95039, air dump cars X-2000 thru X-2096, X-7000 thru X-7049 when such cars are loaded with ore or gravel.
- 15 MPH—Trains handling the following equipment on Branch Lines or on 6 degree or sharper curves of Main Lines, derricks, cranes, pile drivers, Jordan spreaders, shovels and wedge plows.

 Trains or engines moving thru interlockings against the current of traffic on double track; trains or engines thru all other turnouts, except equilateral turnouts, and those shown previously in this item.
- 1(a). Rule 240 W of the Consolidated Code of Operating Rules is modified to permit handling Great Northern Cars 60276 through 60279, 61500 through 61524 and 61000 through 61009 and 65731 and 65734 in passenger trains at passenger train speeds.

2. MOVEMENT OF ENGINES DEAD IN TRAINS.

Engine 2350 must be handled on rear of freight or mixed trains. Diesel engines #1 through #195 are not equipped with alignment control couplers, and when in tow in freight or mixed trains, must be handled singly, not in groups, and not less than five 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 five units. Such units may be handled next to road engine. Engines #550 through #599 must have coupler alignment control lock blocks in "Down" position when such units are used in multiple operation.

When towing Diesel engines dead in trains, the following speeds must not be exceeded.

MA	XIMUM SPEED	ENGINE NUMBER
50	M.P.H	1 through 195.
79	М.Р.Н.	320 through 333; 350 through 375; 400 through 426; 500 through 512; 679, 680, 2350, 2500 through 2538.
65	M.P.H	All other diesel engine units.

8. Except at points where it is necessary to classify trains, open cars loaded with poles, piling, lumber, timber, pipe, or other lading which might shift, should be placed as close as possible to the head end of train, but not next to engine, caboose, occupied outfit car, passenger car or another unprotected car containing commodities which might be subject to damage. Loaded trailer-on-flat cars are not included in this category. In double track territory, trains handling such cars must use extreme care to avoid slack running in or out when passing or being passed by other trains. In single track territory, trains handling such cars must be at stop when on siding or other track to meet or be passed by other trains, except when have more cars than siding will hold, it is permissible for such trains to pull by each other at reduced speed. Loaded dump cars should not be handled on double track after dark, but if necessary to do so, close watch must be maintained by members of the crew, and if a car dumps its load, train must be stopped at once and protection provided as prescribed by the rules.

Great Northern tie flats in series X-4800 to X-4975 and X-4410, whether loaded or empty must be handled on rear of trains.

- Brakeman with less than one year of experience should not be used as flagman except in emergency, and then Superintendent will be notified by wire.
- 5. Rule 14 of the Consolidated Code of Operating Rules is modified by the following instructions on trackage of the Great Northern Railway Company: In the absence of a red signal two miles beyond the yellow-

red flag train or engine must STOP and not proceed until a proceed signal given with a yellow flag or a yellow light

is received, or verbal permission is received.

6. Trains departing from stations, either from siding or main track in trailing point movement actuating points of spring switches, a member of crew must observe indication of governing signal in opposite direction after rear end of train has passed through switch to ascertain if switch points return to normal position. If this signal indicates Stop and no immediate train movement or other cause is evident, report the fact to Superintendent from first available point of communication.

During and immediately following snow storms or violent wind storms, spring switches must be operated by hand and relined in normal position before heading out through switch in trailing point movement, actuating switch points, to insure switch is in proper operating condition.

- 7. Facing point locks on hand operated switches are indicated by a six-inch yellow stripe painted on target staff. Be positive locking device is restored to normal position after using. A running switch must not be made through this type switch.
- 8. Regarding Rule 2 of the Consolidated Code of Operating Rules. Approved type wrist watches are: Elgin, B. W. Raymond Model, 13/0 size, 23 jewels; Ball Official Standard wrist watch, 1604B, stainless steel, 13/0 Ligne, 21 jewels; Bulova Accutron Railroad Approved Model; Hamilton 505 RR Electric Special; Bulova 23-J.

FIRST SUBDIVISION

1. MAXIMUM PERMISSIBLE SPEED FOR TRAINS.

Passenger Freight Rice Jct. and P.A. Tower ________79 MPH 60 MPH

2. TRAIN REGISTER EXCEPTIONS.

Moorhead Jct., all trains register by ticket. Barnesville, register is for trains originating or terminating. Fargo-Register is for First Class Trains and Extra Trains handling passengers.

Fargo Jct.—Register is only for freight trains.

PA Tower, register only for extra trains which will register by ticket.

CLEARANCE PROVISIONS AND EXCEPTIONS RULE 83(B). Dakota 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 Form A and train orders at passenger station. Trains destined westward on Minot Division must obtain their Minot Division Clearance Form A at passenger station. Fargo Jct.—Eastward trains from Minot Division may proceed on authority of Clearance Form A under which such train arrives.

P.A. Tower-Trains for which this is the initial station may proceed on the authority of clearance they arrive with.

4. 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.

Westward trains, between MP 33 and MP 34 between Harwood and Argusville.

Eastward trains, between MP 90 and MP 89 between Merrifield and Thompson.

5. SPRING SWITCHES WITH FACING POINT LOCK.

Fargo Jct., west yard switch. Gardner, east and west siding switch. Hillsboro, east and west siding switch.

Normal position is for main track.

At these locations spring switches are 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).

6. MANUAL INTERLOCKING WITH DUAL CONTROL SWITCHES.

Rice Jct. Barnesville P. A. Tower 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.

7. MANUAL INTERLOCKINGS.

Whistle signal for routes: Moorhead Jct., First Subdivision long. Siding3 long, 1 short.

8. AUTOMATIC INTERLOCKING.

Fergus Falls, when interlocking signal displays Stop-indication, a member of the crew must first operate push button at the signal. If this operation does not cause signal to indicate proceed, release must then be operated in accordance with in-structions posted in box at the crossing. These instructions cover operation of electric switch locks on east siding switch and industry track switch.

 Freight trains using the siding at Carlisle, Minnesota, must stop to clear the Township Road Crossing located approximately 4 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.

Do not want any crossings blocked at Fergus Falls.

10. Diesel radiator water and battery jumper cables.

Sauk Centre

Alexandria Fergus Falls

Barnesville

- 11. All concerned should be alert to see loads of pulpwood are watched carefully to be sure there is no disarrangement of the
- 12. 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.

13. Grandin, when switching at Gunkelman Seed Warehouse, engine may not go beyond west end of platform on track serving platform account not sufficient clearance.

14. Moorhead, the North Crossing Gate at 14th Street North, will protect only the main track and siding. Switching movements over the stubbed industry tracks north of the gate will require flag protection by a crew member.

SECOND SUBDIVISION

1. MAXIMUM PERMISSIBLE SPEED FOR TRAINS.

Between	Passenger	Freight
Cass Lake and Grand Forks		49 MPH
Noyes Jct. and Grand Forks	59 MPH	49 MPH
Grand Forks and PA Tower	50 MPH	
PA Tower and Devils Lake	79 MPH	60 MPH

2. SPEED RESTRICTIONS.

Between Absolute Signals of Interlockings at: 20 MPH

Crookston Freight-N.P. Ry. Crossing.

Bemidji.

Erskine.

P.A. Tower.

Case Lake, on all tracks over footwalk crossing located just west of mainline switch to roundhouse Whistle signal must be sounded as prescribed by rule. Crossing must be cut immediately. When this crossing is blocked by coupling up train, trainmen must remain at the crossing to prevent pedestrians from crawling through the cars.

Emerado Air Base spur—When switching, do not exceed 10 MPH from bridge, just east of State Highway No. 2, to end of base. Run carefully on all tracks.

8. TRAIN REGISTER EXCEPTIONS.

Crookston Psgr., register is only for trains 157 and 158.

Crookston Frt., freight trains register by ticket.

Crookston Yard, trains originating and terminating at Crookston will register at Crookston Frt.

Grand Forks, eastward freight trains register by ticket at passenger station.

PA Tower, register only for westward extra trains which will register by ticket:

Larimore—Register is only for No. 3 and No. 4 and they will register by ticket.

Tilden Jct. is register station only for trains directed by train order to register there.

CLEARANCE PROVISIONS AND EXCEPTIONS RULE 83(B).
 At Noves Jct., the clearance under which No. 8 arrives will clear No. 157. The clearance under which No. 158 arrives will clear No. 7.

Nos, 157 and 158 must obtain Clearance Form A at Grand Forks.

At PA Tower, clearance under which Nos. 3, 7, 147, and 157 arrive will clear Nos. 142, 158, 4, and 8 respectively at that point.

5. PA Tower—Crossover Switch for trains from First to Second Subdivision, and connecting switches First and Second Subdivisions are located as follows:

 G.F. Switch
 0.26 miles West of PA Tower

 D.L. Switch
 1.26 miles West of PA Tower

 F.O. Switch
 1.20 miles East of PA Tower

6. SPRING SWITCHES WITH FACING POINT LOCK.

Grand Forks—Located 119 feet west of 5th St. crossing. Normal position of switch is for westbound freight lead and switch is governed by lunar lights for both the eastbound and westbound movements.

At this location 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).

Grand Forks, East switch at west crossover and west switch at east crossover between depot lead and main track at Passenger Station are lined so that normal position of these switches is lined for movement from depot lead to the main track through the east crossover. "Consolidated Code rules 104 and 104(A) will govern use of these switches."

- 7. At Grand Forks, North Dakota, between westward signal 107.9, about 1100 feet east of Washington Street Underpass, and eastward signal 108.4, about 1400 feet west of Washington Street underpass, there is no superiority of trains. That portion of Consolidated Code Rule 93 reading, "Within Yard limits the main track may be used, clearing first class trains when due to leave the last station where time is shown" does not apply between these signal locations, and all train and engine movements must be made at reduced speed. To avoid delays to first class trains, yard engines must call the dispatchers' office by radio before entering the main track between signal 107.9 and 108.4 to find out information relative to the first class trains. Rule 513 must be complied with.
- 8. Grand Forks, the tracks in front of and numbering from passenger station are known as depot tracks, 1, 2, 3 and 4; the 5th track is known as the freight lead.

Depot Lead at west crossover just west of coach yard must be kept clear for meeting and passing of trains.

The normal position of the switch at west end of crossover just west of Signal 107.8 about 1500 feet west of Grand Forks Passenger Depot will be lined for No. 1 track at Grand Forks passenger station, Eastward First Class Trains will use No. 1 track at Grand Forks Passenger Depot.

No. 3 and No. 147 will make back up movement from Grand Forks passenger station through the interlocking plant PA Tower.

Back up air brake hose equipped with whistle and valve will be applied at Grand Forks passenger station and crews of these trains will see that careful movement is made while backing up. speed must not exceed 15 MPH.

- 9. University, automatic block signal 109.2 governing Eastward train and engine movements is located on left hand side of main track about 54 feet east of University spur switch.
- Trains handling missiles will not exceed 5 MPH on Air Base Spur Emerado from main track to bridge East of Highway No. 2.
- 11. SPEED TEST BOARDS.

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

Eastward, between MP 86 and MP 87 approximately 2 miles east of Wilton.

Westward, between MP 87 and MP 86 approximately 3 miles west of Bemidji.

Westward trains, between MP 5 and MP 6 between Powell and Emerado.

Eastward trains, between MP 79 and MP 78 between Keith and Crary.

12. MANUAL INTERLOCKING WITH DUAL CONTROL SWITCHES.

PA Tower, and Crookston Yard.

Switches electrically controlled by operator at PA Tower, and Crookston Frt.

Whistle signals for routes, PA Tower:
First Subdivision 2 long, 1 short.
Second Subdivision 1 long, 1 short.
Fifth Subdivision 1 long.
Tower Track 3 long, 1 short.
Grand Forks Yard 2 short, 1 long.

18. MANUAL INTERLOCKINGS.

ErskineSoo Line crossing

- Normal position of west switch on west leg of wye, Noyes Jct., on the Seventh Subdivision, is lined for Second Subdivision.
- 16. Cass Lake, when switching movements are made over Highway 371 crossing just west of depot, engine or cars must not occupy crossing until gates are at stop for highway traffic.

17. Diesel radiator water

Crookston Frt. Bagley Larimore
Erskine Bemidji Lakota
Fosston Cass Lake Devils Lake

THIRD, FOURTH, FIFTH, SIXTH, SEVENTH AND EIGHTH SUBDIVISIONS

2. SPEED RESTRICTIONS. SD-7 engines between Grafton and Walhalla Between Absolute Signals of Interlocking at: 20 MPH Glyndon, Warroad, P.A. Tower

Wye tracks at Warroad and Thief River Falls 5 MPH

8. ENGINE RESTRICTIONS. Fifth and Sixth Subdivisions, engines in the series 550 thru 599 must not go in on Koehmstedt Spur Minto, M.R.T.J. Potato Spur Grafton, Mill Spur Cavalier, Mill Spur or Rutherford Spur Walhalla.

4. TRAIN REGISTER EXCEPTIONS.

Crookston Yard, trains originating and terminating at Crookston will register at Crookston Frt.

Tilden Jct. trains will register only when directed by train order to do so.

CLEARANCE PROVISIONS AND EXCEPTIONS RULE 83(B). At Noyes Jct., the clearance under which No. 8 arrives will clear No. 157. The clearance under which No. 158 arrives will clear No. 7.

Rule 83(B) does not apply at Tilden Jct.

- Unless otherwise instructed, protection against following trains, as required by Consolidated Code Rule 99 is not necessary on Third Subdivision between East Northern Pacific Railway Jct. and Pelican Rapids also on Eighth Subdivision between Thief River Falls and Warroad. One train must not be permitted to follow another train until both trains have been instructed by train order to protect to the rear as prescribed by Rule 99.
- 7. Noyes, before going to Canadian Pacific yard, call up C. P. office and obtain clearance to enter their yard. When necessary to go to the west end of C. P. yard, stop at C. P. office and get switch key which must be turned in immediately upon return from that part of the yard. Noyes, crews going from G. N. Yard to C. P. Yard may enter

C. P. Yards when proper indication is displayed by the interlocking signals. 8. SPEED TEST BOARDS.

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

Westward trains, between MP 13 and MP 14 between Downer and Glyndon.

Eastward trains, between MP 81 and MP 80 between Humboldt and Northcote.

MANUAL INTERLOCKINGS WITH DUAL CONTROL SWITCHES.

Barnesville. 10. MANUAL INTERLOCKINGS. N. P. Ry. crossingGlyndon

AUTOMATIC INTERLOCKINGS.
N. P. Ry. crossing _______1.43 miles west of Noyes Jct. N. P. Ry. crossing ______4.51 miles west of Shirley Soo Line crossingWarren

SEMI-AUTOMATIC INTERLOCKING. C. N. Ry. crossing0.6 miles west of Warroad Great Northern Train or engine movements over the crossing will be governed by manually operated gates together with interlocking dwarf signal indications. Routes over the crossing will be set manually after obtaining release of electric lock holding gates in STOP position. See instructions posted in box locked with switch lock.

13. Normal position of west switch on west leg of wye, Noyes Jct., on the Seventh Subdivision, is lined for Second Subdivision.

14. Gretna, within yard limits the main track may be used keeping clear of Canadian Pacific first and second class trains and sections thereof, proceeding at reduced speed, and when going to the wye to turn will head in at first switch south of the station unless you have information on the arrival of superior trains.

Nash-Cars left on team track should have at least one car length's clearance on Walsh County road No. 7, just east of No. 27 spot. Clearance should be checked from north side of 16. Thief River Falls-Due to sharp curvature of track, when handling a 50 foot or longer car, on east leg of wye and over the crossover, cars should be handled separately.

17. Glyndon—Siding has now been designated an additional interchange track with the Northern Pacific. This track holds 56 cars. Yard limits Glyndon extend from one mile east of the east wye switch to one mile west of the west side track switch. Yard limit signs are placed.

18. Diesel radiator water—Hallock-Crookston Frt.

19. Emergency steam generator water-Hallock-Warren.

NINTH, TENTH, ELEVENTH AND TWELFTH SUBDIVISIONS

1.	MAXIMUM PERMISSIBLE SPEED FOR TRAINS.	
	Between	Freight
	Vance and Larimore	30 MPH
	Hannah Jct. and Hannah	30 MPH
	Erie Jct. and Clifford	20 MPH
	Nolan and Devils Lake	35 MPH
	Devils Lake and Hansboro	80 MPH
	Lakota and Sarles	35 MPH
2.	ENGINE RESTRICTIONS.	

Eleventh Subdivision—Engines series 550 to 599 restricted to 20 MPH Ninth Subdivision—Engines series 550 to 599 restricted to 25 MPH

3. Unless otherwise instructed, protection against following trains, as required by Consolidated Code Rule 99 is not necessary on Ninth Subdivision between Vance and Larimore, Tenth Subdivision between Erie Jct. and Clifford, Eleventh Subdivision between Nolan and Hansboro, Twelfth Subdivision between Lakota and Sarles. One train must not be permitted to follow another train until both trains have been instructed by train order to protect to the rear as prescribed by Rule 99.

4. AUTOMATIC INTERLOCKING.

SPEED TABLE

Time Po Min.	er Mile Sec.	Miles Per Hour	Time Po	Sec.	Miles Per Hou
and the	46	78.8	1	18	46.2
	47	76.6	1	20	45.0
	48	75.0	1	22	48.9
	49	78.5	1	24	42.9
	50	72.0	1	26	41.9
	51	70.6	1	28	40.9
	52	69.2	1	80	40.0
	58	67.9	1	88	38.7
	54	66.7	ī	36	87.5
	55	65.5	1	89	86.4
	56	64.8	1	42	85.8
	57	63.2	1	45	84.8
	58	62.1	1	50	82.7
	59	61.0	1	55	81.8
1	0	60.0	2	I TO SERVICE	80.0 27.7
1	1	59.0	2	10	27.7
1		58.1	2	20	25.7
1	3 4	57.1	2	80	24.0
1	4	56.8	2	40	22.5
1	5	55.4	3		20.0
1	5	54.5	8	80	17.1
1	7	58.7	2 2 2 2 2 3 8	-	15.0
1	8	52.9	5		12.0
1	9	52.2	5 6 7		10.0
1	10	51.4	7	-	8.6
1	12	50.0	8 9	-	7.5
1	14	48.6	9	-	6.7
1	16	47.4	10	_	6.0

BUSINESS TRACKS NOT SHOWN AS STATIONS ON TIME TABLE.

		BUSINESS TRACKS	101 3	HOWN	A5 51	ATIONS ON TIME TABLE	•		
	Name	Location	Capacity Cars	Switch Opens		Name	Location	Capacity Cars	Switch Opens
09072 09094 09173 09172 09177 53704 53705 53706 53717 53720 10078 10080 10188 10115 10118 10120 05167 05243 05250 05262 05288 05301 05311 05353 05363 05378 53616 53612 56002 56026 56036 5604 55528 55555 55554 55577	First Subdivision Collegeville Kraft Foods. Occidental Agricultural Chem. Corporation Pyrofax Spur. Great Plains Natural Gas Co. Spur Gary L. Smith Potato Warehouse Butenhoff and Hanson Potato Warehouse. Chester Possehl Potato Whse. Spur Agsoo Inc. Spur Fargo-Moorhead Asphalt Co. Kelso Alton. Taft. Merrifield. Flaat. Prairie Sub Station Second Subdivision Farris. Airport Spur Solar Gas. Dugdale Lengby. Benoit Pit Burwell Mallory Powell. Emerado Air Base Spur Mapes. Bartlett Keith Third Subdivision Erhard. Elizabeth Fourth Subdivision Bingham Beet track Girard Wilds. Fifth Subdivision Miller and Rudnik Spur Herriott Tobiason Gillishammer American Crystal Sugar Sixth Subdivision Midgarden Potato Warehouse	2.77 miles west of St. Joseph	15	West East West East West East East East East East East East East	09251 09257 09262 09275 09289 09314 09319 09318 09325 09357 09364 09376 55227 55243 55261 55283 55303 55312 55316 56317 56319 56328 55303 55740 557741 55750 55768 55781 57024 55907 55917 55929 55946	Seventh Subdivision American Oil Co. Spur. Hadler Lockhart. Greenview Shirley Agricultural Exp. Spur Roan. Earl Swanson Spur Beet track Luna American Sugar Beet Track S. P. Lipoma Potato Whse. Spur George Weleski Spur Hill Siding St. Vincent. Eighth Subdivision Northwest Pellet Ass'n Spur. Holt. Strathcona. Fox Salol. Lyell Spur Ralston Purina Co. Spur. Ninth Subdivision Greenfield. Preston. Murray. Olaf Bye & Sons Spur. Occidental Agri. Chemicals Spur. Edison Orr Conway. Kerry Kerry Pit Union Easby. Dresden. Eleventh Subdivision Pickert. Sweetwater Garake St. Joe Crocus. Twelfth Subdivision Derrick. Weaver.	Location 54 mile east of Depot Ada	ity	
55614 55630 55636 55642 55646 55645	Hoople Potato Products Inc. Spur. Red River Fertilizer & Valley Bean Ass'n Spur Backoo. Leyden Johnson Potato Co. Spur	34 mile west of Depot Hoople 34 mile east of Depot Cavalier 4.97 miles west of Cavalier 10.41 miles west of Cavalier 114 miles east of Depot Walhalla. 1.0 mile east of Walhalla	16 14 34 34 14 8	East West Both Both East West					

