COMPANY SURGEONS

*Dr. Roscoe C. Webb, Chief Surgeon	Minneapolis, Minn.
*Dr. Ernest R. Anderson, Asst. Chf. Surg	Minneapolis, Minn.
*Dr. F. J. Savage	St. Paul, Minn.
Dr G D Brand	St Poul Minn
*Dr. Victor E. Ekhlad	Superior Wig
*Dr. Milton Finn	Superior, Wis.
Dr. Fred Johnson	Superior, Wis.
*Dr. Milton Finn Dr. Fred Johnson Dr. E. G. Stack	Superior, Wis.
Dr. Raymond J. Spurzem	Anoka, Minn.
Dr. Leroy J. Larson	Bagley, Minn.
*Dr. Einar W. Johnson	Bemidii, Minn.
Dr. T. P. Groschupf	Bemidji, Minn.
Dr. Wm. T. Nygren	Braham, Minn.
Dr. W. W. Will	Bertha, Minn.
Dr. L. H. Hedenstrom	Cambridge, Minn.
Dr. John D. VanValkenburg	Floodwood, Minn.
Dr. C. E. Norberg	Cloquet, Minn.
Dr. Gordon C. MacRae	Duluth, Minn.
*Dr. C. H. Coombs	Cass Lake, Minn.
Dr. E. P. Zorn	Erskine, Minn.
Dr. Chas. S. Donaldson	Foley, Minn.
*Dr. G. M. Erskine	Grand Rapids, Minn.
Dr. J. L. McLeod	Grand Rapids, Minn.
*Dr. B. S. Adams	Hibbing, Minn.
Dr. Clarence Jacobson	Hibbing, Minn.
Dr. R. L. Christie	Long Prairie, Minn.
Dr. C. J. Henry	Milaca, Minn.
Dr. J. E. Henry Dr. C. S. Bossert	Milaca, Minn.
Dr. C. S. Bossert	Mora, Minn.
Dr. H. P. Dredge	Sandstone, Minn.
Dr. H. P. Dredge Dr. H. W. Goehrs	St. Cloud. Minn.
Dr. G. H. Goehrs	St. Cloud, Minn.
*Dr. J. F. DuBois	Sauk Center, Minn.
Dr. E. N. Peterson	Virginia, Minn.
Dr. H. B. Ewens	Virginia, Minn.
*Dr. Luther F. Davis	Wadena, Minn.
Dr. O. F. Ringle	Walker, Minn.

^{*}Designates also Examining Surgeon.

OPHTHALMIC SURGEONS

(Eye Doctors)

Dr.	Frank E. Burch	St. Paul, Minn.
Dr.	Edward P. Burch	St. Paul, Minn.
Dr.	C. N. Spratt	Minneapolis, Minn.
Dr.	John E. Power	Duluth, Minn.
Dr.	T. J. Doyle	Superior, Wis.
Dr.	Roger T. Thompson	Superior, Wis.
Dr.	W. T. Wenner	St. Cloud, Minn.

W. J. HAYNES, Chief Dispatcher.

W. C. JONES, Chief Dispatcher.

W. H. RUMMEL, Trainmaster.

R. W. DOWNING, Trainmaster.

R. H. SHOBER, Trainmaster.

W. ANDREWS, Assistant Superintendent.

GREAT NORTHERN RAILWAY COMPANY

MESABI DIVISION TIME TABLE 61

EFFECTIVE 12:01 A. M.

CENTRAL TIME

Sunday, June 3, 1951

C. O. HOOKER, Superintendent.

T. A. JARROW, General Manager.

J. B. SMITH, General Superintendent Transportation.

2	WE	STV	WARD				FI	RST ST	JBDIV	SION				
umbers	Cap	ar		SECONE	CLASS			FI	RST CL	ASS		8	Time Table No. 61.	Calls
Nun	. 7 7	I		700				-11				e from	Effective June 3, 1951	
Station	Sidings	Other Tracks	413	421	411	407		35	19	23		Distance Duluth	STATIONS	Telegraph
8		10	Daily	Daily	Daily	Daily		Daily Ex. Sunday	Daily	Daily		<u> </u>	317110113	- F
J 139								L 9.30Pm					DULUTH	. DU
		AINS E		FVATOR OT				A 9.36Pm	A 4.36Pm			2.29	BRIDGE SWITCH	
	111	IAINS	SEIWEEN EL	EVATOR ST	ATION AND	DULUTH TER	MINAL DEPO	T WILL BE	GOVERNED	BY NORTH	ERN PACIFIC	1	0.87	_
*******								9.45	a 4.45	8.15		3.16 4.13	ELEVATOR STATION	ВУ
J 136	Yard	5217						9.43	4.43	0.15		5.31	출청 1.18 25th ST.	1
J 131		36										8.29	SECENTRAL AVE	
FIF	RST CL	ASS TE	RAINS BETW	EEN CENTRA	AL AVE. TOW	ER AND DUL	UTH TERMI	NAL DEPOT	WILL BE GO	VERNED BY	NORTHERN	PACIFIC,	DULUTH AND SUPERIOR TERMINALS TIME TABLE	E.
			L 11.30Pm	L 10.50Pm	L 10.30Pm	L 10.15Pm		L 9.55Pm	L 4.53Pm	L 8.23Am		8.60	CENTRAL AVE. TOWER	su
												9.41	M.ST. P. & S. S. M. R. R. CROS'Q.	
J 130	Yard	297	11.35	10.58	10.37	10.22		9.58	4.56	8.26	· · · · · · · · · · · · · · · · · · ·	10.33	SAUNDERS	В
J 125			A 11.450-	A 11.10Pm	10.44	10.29		A 10.03Pm	4.59	8.29	A STATE	13.21	2.88 BOYLSTON	
A very	14.1	100	A 11.45/III	Z 11.10fill		1119		X 10.03fiii	4.57			10.74	5.25	
J 121	95	7			10.59	10.44				f 8.36		18.46	DEDHAM	
J 113	127	5			11.13	10.58			5.12	s 8.44		24.63	FOXBORO	ВО
J 109	70	5			11.28	11.13				1 8.51		29.94	HOLYOKE	
J 108	189	8			11.58	11.33			5.23	s 9.00		36.67	NICKERSON	NB
J 99		34			12.06Am	11.38				s 9.05 s 9.10		40.58	DUQUETTEDUQUETTE	K
													5.75	-
J 91	110	14			12.25	11.53 12.05Am			5.34	• 9.18		48.87	BRUNO	UN
J 82	135	24			408-412	408-412 12.25		••••••	5.41	• 9.29		57.25	ASKOV	RD ≥ NA
J 76		382			1.00 1.30	12.55			• 5.48	s 9.39		63.11	SANDSTONE	H
J 67		16			1.55	1.15			E 50	9.49		71.93	HINCKLEY O.37 CO.37 HINCKLEY TOWER.	HT
	144	16			1.57	1.17			5.58	9.50		72.30	N. P. Ry. Crossing	5
J 59	167	6			2.16	1.37			6.07	. 10.00		80.14	7.84	BK
					A 2.17Am	1.38			6.08	10.01		80.54	BROOK PARK JCT	
GA54	16	4				1.50				• 10.07		85.96	HENRIETTE	
GA49	107	32				2.02			6.17	• 10.14		91.37	GRASSTON	
GA48	59	35				2.14			6.22	s 10.21		96.66	BRAHAM	RA
GA40		19				2.21				• 10.26		100.06	STANCHFIELD	
GA88		80				2.27				• 10.30		102.57	GRANDY	
GA33	104	120				2.37			• 6.31	• 10.37		107.46	CAMBRIDGE	CG
GA27 GA21	99	49		••••••		2.49 3.01		•••••	6.41	• 10.44 • 10.53		113.10	6.03 BETHEL	IS BE
									0.41				6.15	-
GA15		20				3.13				1 11.00		125.28	CEDAR	
GA 9 G 18	99	13				3.25 A 3.40Am			6.51	# 11.05 Af11,11Am		131.23	COON CREEK JCT.	CN
- 10						OON CREEK			OWN WILL	BE GOVERNE	D BY NORT	HERN PA	CIFIC TIME TABLE.	-
				TRAIN	S BETWEEN	NORTHTON	VN AND ST.	PAUL WIL				ERMINAL	S TIME TABLE.	_
							<u></u>			A 11.59Am		159.91	ST. PAUL	
			.15 18.4	15.3	347 18-6	5.25 25.2	THE STATE	.33 24.0	2.26 56.3	3.11 43.0			Time Over Subdivision Average Speed Per Hour	
	ie.	4,10		11000	w	estward t	rains are	superior	to eastwa	rd trains	of the sam	e class		

	1	1			ORDIAI	SION	1			E	ASTWA	ARD 3
Time Table No. 61.	from	FEE	FIF	RST CLA	ISS		G GETA	SEC	COND CL	ASS		
Effective June 3, 1951	Distance fro	36	24	20				414	408	412		SIGNS
STATIONS	Dis St.	Daily Ex.Monday	Daily	Daily				Daily	Daily	Daily		
DULUTH	157.62	L 7.08Am	A 11.58Am A	L 7.39Pm								RKDNXB
TRAINS BETWEEN ELEVATOR STAT	ION AND D	ULUTH TER	MINAL DEPO	T WILL BE	GOVERNED	BY NORTH	ERN PACIFIC	, DULUTH	AND SUPERI	OR TERMIN	IALS TIME T	TABLE.
SUPERIOR 25th ST. CENTRAL AVE.	156.75 155.78 154.60 151.62	5 7.00	s 11.43	s 7.30								RKP WBCXO PX
FIRST CLASS TRAINS BETWEEN CENTRAL			TH TERMINAL	DEPOT WI	LL BE GOVE	RNED BY NO	RTHERN PAC	IFIC, DULUT	H AND SUP	ERIOR TERM	INALS TIME	TABLE.
Z CENTRAL AVE. TOWER	151.31		A 11.33Am	A 7.19Pm				A 3.33Am	A 2.50Am	n A 5.33Am		RIDNPXJ
M. ST. P. & S. S. M. R. R. CROS'G	150.50 149.58		11.30	7.16				3.27	2.45	5.27		RIDNPXJ
	146.70			7.13				L 3.20Am		5.20		IPJ
DEDHAM	141.45		f 11.19						2.24	5.00		P
FOXBORO	135.28 129.97		f 11.10	7.01					2.12	4.40 4.20		PW P
NICKERSON	123.24		f 10.54	6.51					1.50	4.00		NPW
DUQUETTE	119.83		f 10.49						1.40	3.36		DP
5.75 BRUNO	111.04		• 10.44 • 10.37	6.41					1.40	3.05		DP
	102.66		s 10.27	6.34					1.15	2.30 407-411 2.00 Am		DP
5.86 SANDSTONE	96.80 87.98		. 10.20 . 10.10	s 6.28					1.00 12.35	2.00 Am 11.20 Pm 10.58		BRDNPT WCXIO DP
	87.61		10.09	6.15					. 12.03Am			DNPI
BROOK PARK BROOK PARK JCT	79.77 79.37		. 10.00 9.59	6.07 6.06					. 11.39	10.41 L 10.40pm		RDNPI
HENRIETTE	78.95		s 9.54						11.24	L 10.401	:	P
	68.54 63.25		s 9.47	5.57 5.52					11.09			P DP
8.40 STANCHFIELD	59.85		9.36						10.43			P
2.51 GRANDY4.89 CAMBRIDGE	57.34		. 9.32						. 10.37			. Р
5.64 ISANTI	52.45 46.81		s 9.25	s 5.43					. 10.23			DNP DP
6.08 BETHEL	40.78		9.07	5.34					9.52			DPW
6.15 CEDAR 5.95 ANDOVER	84.68		1 8.58						9.35			P
ANDOVER	28.68 23.01		. 8.51 Lf 8.46Am	5.24 L 5.19Pm					9.20 L 9.00Pm			JRDNPI
TRAINS BE	ETWEEN CO		UNCTION AND	D NORTHTO	OWN WILL BE		D BY NORTHE		TIME TABLE	.E.	I	· ·
23.01	S BETWEEN	NORTHTOW	1	PAUL WILL		RNED BY TW	VIN CITY TER	RMINALS TI	ME TABLE.			
ST. PAUL	<i>=</i>		L 8.00Am		<u></u>			13		4 53		
Time Over Subdivision Average Speed Per Hour		.34 23.4	3.12 42.8	2.26 56.3				23.6	5.50 21.9	6.53 12.2		
	We	stward tre	ains are su	perior to	eastward	I trains of	the same	class.				

4	WE	STV	VARD				S	ECOND SUBDIVISION					I	EASTWARD
pers		ar		514,130	SECOND	CLASS	Jot.	Time Table No. 61.	Calls	B		SECOND	CLASS	dell'inti
Station Numbers	-				(306) 315	411	Distance from Brook Park Jot	Effective June 3, 1951	egraph C	Distance from St. Cloud	SIGNS	(305) 316	412	
Stati	Sidings	Other			Daily Ex. Sun.	Daily	Dist Broc	STATIONS	Tele	Dist. St. C	42	Daily Ex. Sun.	Daily	
						L 2.17Am		BROOK PARK JCT		59.63	JPWI		A 10.40Pm	يور
J54		8				2.30	5.00	QUAMBA	QU	54.63	P		10.25	
J48		58				2.44	10.87		MA	48.76	DP		10.10	
J41	89	81				3.02	18.48	oGILVIE	GO	41.20	DP		9.50	
J34		12				3.18	25.31	BOOM		34.82	P		9.32	
J28	90	71			L 11.35Am	3.48	30.53		MU	29.10	BRDPX	A 10.55Am	9.20	
					A 11.40Am	3.53	81.17	MILACA JCT		28.46	PJW	L 10.50Am	9.05	
J25		88				4.00	33.82	FORESTON	KN	25.81	P		8.55	
J18		30				4.13	89.54	OAKS	0X	20.09	P		8.41	
J17		11				4.20	42.34	RONNEBY		17.32	P		8.33	
J14	89	43				4.26	44.62	2.31 FOLEY	FY	15.01	DP		8.25	
J10		33				4.36	48.87	9.22		10.76	P		8.15	
							58.09	N. P. RY. CROSSING	EA	1.54	DNPIX	•••••		
G63			•••••			5.05	58.30	EAST ST. CLOUD		1.33	RKDNW	•••••	7.40	••••••
75	Yard	1390				A 5.20Am	59.63	ST. CLOUD	DX	0.00	BCXYO		L 7.30Pm	
					.05 10.0	3.03 19.2		Time Over Subdivision Average Speed Per Hour				10.0	3.10 18.8	

Westward trains are superior to eastward trains of the same class, except No. 316 is superior to No. 315 between Milaca Jct. and Milaca.

WE	ST	WA	RD					THIRD SUBDIVISION	ī				EA	STWAF	RD 5
	Caps		SECOND	CLASS	FIRST	CLASS	Д	Time Table No. 61.	Calle	8		FIRST	CLASS	SECONE	CLASS
Ders	8	,	413	421		35	nce from	Effective June 3, 1951	- dan	Distance from Cass Lake	SIGNS	36		414	
Station Numbers	Sidings	Other	Daily	Daily		Daily Ex. Sunday	Distance: Duluth	STATIONS	Telegraph	Dista		Daily Ex.Monday		Daily	
J125			L 11.45Pm	L . OPm		L 10.03Pm	13.21	BOYLSTON		149.40	PI	A 6.41Am		A 3.20Am	
Y251	99 *	2	12.01 Am	11.20	T	1 10.11	19.13	DEWEY		143.49	P	1 6.33		3.10	
Y249			12.15	11.35		10.17	23.01	STATE LINE TOWER N. P. Ry. Crossing	8	139.61	DNPI	6.27		3.00	
							26.85	BRIDGE 29		133.62	IP				
Y236	85	10	12.35	12.01 Am		s 10.37	32.92	N, P. Ry. Crossing	A	129.69	DNPWI	6.15		2.35	
Y232						£ 10.43	36.19	2 3.26 SCANLON	≧	126.43	P	1 6.07		2.20	
Y229		260	1.05	12.15		s 10.51	38.89		KI KI	N 123.73	PXR	s 6.02		2.15	
Y213	89	76	1.55	1.20		s 11.18	55.38	BBROOKSTON	BI	N 107.24	JDNPW	s 5.39		1.40	
Y205		8				t 11.30	63.23		C B	99.39	P	£ 5.28		1.10	
Y200		12	2.20	1.35		t 11.39	67.85	4.62 MIRBAT	S	94.77	P	£ 5.21		1.00	
-								5.35	~						
Y195		56	2.30	1.45	•••••	s 11.52	73.20	FLOODWOOD	OI	89.42	DP	s 5.14		12.45	
Y189			2.41	2.00		1 12.01Am	79.29	ISLAND	₹	83.33	P	1 5.04		12.30	
Y182		11	2.57	2.10		1 12.10	85.80	wawina		76.82	JDNPW	t 4.56	•••••	12.15Am	
Y178		78	3.05	A 2.20Am		s 12.22	89.76	SWAN RIVER	w	A 72.82	YI	s 4.49		11.59	
Y172		7	3.14			s 12.33	95.28	WARBA		67.39	P	s 4.40		11.30	•••••
	200		3.20			12.40	98.64	8.41 PHILBIN			PI	4.35		11.20	
Y166		6	3.26			1 12.45	101.64	BLACKBERRY			P	t 4.31		11.15	
Y161	96	175	3.36			12.52	106.22	4.58 GUNN	G	311	JPWYI	4.25		11.05	
Y159		271	3.46			. 1.15	109.27	3.05 GRAND RAPIDS	G		DNP DNXP	s 4.20		10.50	
Y156	123	11	4.08			s 1.27	114.17	4.90 COHASSET		40.40	P	s 4.08		10.35	
								9.42				-			
Y145	42	96	4.39			s 1.53	123.59	DEER RIVER	R	89.03	DNPWXC	s 3.56		10.15	
Y138	70	16	5.00			1 2.07	130.62	BALL CLUB		32.00	P	f 3.45		9.50	********
Y125	69	22	5.29			s 2.31	143.53	BENA	В	19.09	DP	s 3.30		9.25	
Y118	123	8	5.49			1 2.44	151.07	SCHLEY		11.55	P	f 3.20		9.00	
							153.11	M. ST. P. & S. S. M. R. R.CROSSING	a	9.51	1				
Y106	Yard	690	A 6.20Am			A 3.02Am	162.62	CASS LAKE	C	3	RKDNPB WCYXO	L 3.07Am		L 8.30Pm	
			6-35 22-7	3.10 24.1		4.59 30.0		Time Over Subdivision Average Speed Per Hour				3-34 41-9		6.50 21.8	

Westward trains are superior to eastward trains of the same class. SEE ADDITIONAL SPECIAL INSTRUCTIONS PAGES 11 THROUGH 19.

6	WE	STV	WARD				FOU	RTH S	SUBDIV	ISION			
ers	Can	Car	TH	IIRD CL	ASS	SECOND	CLASS	10.00	FIRST	CLASS		X IJ	Time Table No. 61.
Numb		T		9.6	559		133		107	105	35	Distance from Cass Lake	Effective June 3, 1951
Station Numbers	Sidings	Other Tracks			Daily Ex. Sun.		Daily Ex. Sun.		Daily Ex. Sun.	Daily Ex. Sun.	Daily Ex. Mon.	Distan Cass L	STATIONS
Y106	Yard	690			L 7.30Am				L 10.49Am		26		CASS LAKE
									A 10.53Am			0.76	K LINE JCT
Y101		15			7.43					f 8.00	f 3.12	4.13	FARRIS
Y 96	69	10			7.56					f 8.07	f 3.18	9.75	ROSBY
												14.34	N. P. RY. CROSSING
Y 90	70	188			8.05					A 8.15Am	s 3.30	15.27	BEMIDJI
Y 84	70	10			9.15						s 3.40	21.51	
Y 78		26			9.45						s 3.50	27.55	6.04 SOLWAY
Y 72	69	27			10.05						s 4.00	33.75	SHEVLIN.
Y 65	75	48			11.10						s 4.10	40.45	BAGLEY
Y 58	101	27			11.45						1 4.23	47.77	EBRO
Y 52	70	23			12.15Pm						s 4.32	53.79	6.02 LENGBY
Y 45	70	115			12.50						s 4.45	60.83	7.04 FOSSTON
Y 37	70	35			1.15						s 5.00	68.41	7.58 McINTOSH
												74.14	M. ST. P. & S. S. M. R. R. CROSSING
Y 31	72	37			1.45						s 5.14	74.45	
Y 24	71	34		13	2.05						s 5.28	81.16	6.71 MENTOR
Y 18		8			2.50						5.38	86.74	5.58 DUGDALE
Y 17					2.54		Lf 8.10Pm				1 5.40	87.84	TILDEN JCT
- 10													N. P. RY. CROSSING
Y 12	70	29			3.07		f 8.19	•••••		•••••	f 5.48	92.68	BENOIT
Y 6		88		•••••	3.27		f 8.30			•••••	t 5.57	99.36	BURWELL
												102.56	
A 298	Yard	418			A 3.45Pm		A 8.40Pm				A 6.05Am	104.93	CROOKSTON YARD
	rai	INS	BETWEE	N CROO	KSTON	YARD A	ND CRO	окѕто	N WILL	BE GOV	ERNED	BY D	AKOTA DIVISION TIME TABLE.
							A 8.45Pm				A 6.10Am	106.91	CROOKSTON
					8.15		.30 34.1		.04	-21	2.58		Time Over Subdivision

Westward trains are superior to eastward trains of the same class, except No. 108 is superior to No. 105 and No. 106 is superior to No. 107 between K Line Jct. and Cass Lake.

Westward trains are superior to eastward trains of the same class, except No. 108 is superior to No. 105 and No. 106 is superior to No. 107 between K Line Jct. and Cass Lake.

8	WE	STV	WARD				F	IFTH SUBDIVISION					EASTW	VARD
d.		Car	THIRD	CLASS	FIRST	CLASS	u.	Time Table No. 61.	Calls		FIRST	CLASS	THIRD	CLAS
on	5			523	7 %	105	Distance from Sauk Center	Effective June 3, 1951	P.	SIGNS	106	2292 / 610	524	
Station	Sidings	Other		Daily Ex. Sun.		Daily Ex. Sun.	Dista	STATIONS	Telegra	1 14	Daily Ex. Sun.	ekor	Daily Ex. Sun.	
117		195				L 2.30Am	0.00	SAUK CENTRE	AU	RDN WCXB	A 4.00Pm			
	TRAI	NS E	ETWEE	PARK	RAPIDS	JCT. A	ND SA	UK CENTRE WILL BE GOVERN	ED E	Y DAK	TA DIVI	SION T	ME TAB	LE.
				L 2.50Am		L 2.33Am	0.16	PARK RAPIDS JCT		JP	A 3.55Pm		A 1.10Pm	
				L Z.JUM		L Z.JJAN	0.68	0.52		I	A 3.35rm		A 1.10Pm	••••••
K-10		. 8		3.15		s 2.51	10.40	9.72 LITTLE SAUK			s 3.33		12.40	•••••
K-14		18		3.24		s 2.58	13.86	ROUND PRAIRIE			s 3.26		12.25	
K-18	39	52		4.15		3.10	18.60	LONG PRAIRIE	NE	D	s 3.15		12.05Pm	
K-24				4.45		• 3.25	00.45	7.86						
K-24 K-32		46 31		5.05		s 3.25 s 3.36	26.46 31.84	5.38 CLARISSA	RU	D	s 2.54 s 2.42	•••••	11.30 11.05	
K-86	34	82		5.28		s 3.46	86.53	4.69 EAGLE BEND	GD	D D	s 2.42 s 2.31	••••••	10.45	•••••
K-44	01	27		5.48		s 4.05	44.04	7.51 BERTHA	BR	D	s 2.31 s 2.16		10.45	•••••
K-48		27		6.06		s 4.14	48.07	4.03 HEWITT	HW	D	s 2.10		9.45	
	-			1127		Alba	20.07	8.14	HW.		8 2.04			
K-56		52		6.41		s 4.34	56.21	WADENA	WD	D	s 1.49		8.45	
							56.44	N. P. Ry. CROSSING		I				
K-60		28		7.01 524 7.44		1 4.44	60.58	LEAF RIVER			1 1.35		8.15 523 7.44	
K-70	23	30		The second second second	•••••	s 5.08	70.46	SEBEKA	SK	DW	s 1.18	••••••		
K-79		27		8.25		s 5.27	79.19	MENAHGA	МН	D	s12.58		7.01	
K-91	30	116		9.20		s 6.08	91.19	PARK RAPIDS	J	DX	s12.35		105 6.08	
K-98		15		9.40		s 6.21	97.76				s12.17		5.36	
K-103		29		10.10		s 6.32	103.09	5.33 NEVIS	N	D	s12.07Pm		5.21	
K-109		27		10.55		s 6.45	109.32	AKELEY	AY	D	s11.54		5.01	
K-119		32		11.34		s 7.02	118.84	WALKER	K	D	s 11.34		4.15	
							120.94				111111111	BORY FO		
K-124		15		12.50Pm		t 7.13	124.21	3.27 LEECH LAKE			£11.20		3.50	
K-131		12		1.15		s 7.25	130.93				s11.08		3.34	
						A 7.41Am	139.64	K LINE JCT		JXY	L 10.53Am			
		TRAI	NS BET	WEEN K	LINE JO	T. AND	CASS	LAKE WILL BE GOVERNED BY F	OUR	TH SUBI		The Parket	ULES.	
7-106	Yard	690		A 1.50Pm		A 7.44Am	140.40		CS	BRKDN WCXPYO	L 10.49Am		L 3.10Am	
			-	11.00 12.88		5.08 27.2		Time Over Subdivision Average Speed Per Hour	-0.12		5.02 27.7		10.00 14.0	

Westward trains are superior to eastward trains of the same class.

SEE ADDITIONAL SPECIAL INSTRUCTIONS PAGES 11 THROUGH 19.

Car Capacity Unorth and Daily Daily Ex. St. G-28 Car Capacity SECOND CLA 301 Daily Ex. St. L 8.5	No. 61. Stations No. 61. Effective June 3, 1951 STATIONS	Telegraph Calls	SECOND CLASS 306 Daily Ex. Sun.	Time Table No. 61.
G-28 II. H.			. 127	Station Sidings Sidings Sidings Alloues Alloues Telegra
TRAINS BETWEEN N. P.	RY. JCT. AND ELK RIVER		la continue	2.76 CF BRIDGE A-9 OYX
H-11 28 s 9.2 H-20 29 103 s10.0 H-24 4 s10.2 H-29 9 s10.3	19.16PRINCETON 20 23.36LONG'S SIDING	WR I CT DX EA	s12.30	Westward trains are superior to eastward trains of the sar class. SEE ADDITIONAL SPECIAL INSTRUCTIONS PAGES 11 THROUGH
SECO		MU RDPI	BL	
Westward trains a	are superior to eastward train	ns of the sa	ame class.	W STEPPEN

WES	STWA	RD	EIG	HTH SUBDIVISION	E	ASTV	VARD	WESTWARD NINTH SUBDIVISION EASTWARD
Station Numbers	Capa	Other Tracks	Distance from Brookston	Time Table No. 61. Effective June 3, 1951 STATIONS	Telegraph Calls	Distance from Kelly Lake	SIGNS	Stations Car Capacity Chistone from Calls STATIONS Sign Stations Sign STATIONS SIGN SIGN STATIONS
	estware			BROOKSTON. 5.21 ARLBERG. 5.99 BADEN. 9.90 DUMBLANE. 9.97 CASCO. 6.81 ONEGA. 5.96 D. M. & I. R. Ry. CROSSING. 81LEY. 5.68 KELLY LAKE.	KY the	same c		

	· W	ESI	WARI			AVE		TENTH SUBDIVISION	1	BD	TURNS	HIDI	EA	STWAR	D
Numbers	Capi	ar	FI	RST CL	ASS	_ 8		Time Table No. 61.	Calls	g.,	-017	FIRST	CLASS	SECOND	CLAS
on Nur	130	er oks		WY P	75 D.M. &	LR. 1	Virginia	Effective June 3, 1951	Telegraph (Distance from Swan River	SIGNS	76 D.M. & LR. 2	12	422	
Static	Sidings	Other			Dail	y Dist	Virg	STATIONS	Tele	Dista	TATAL	Daily		Daily	
YC17	Yard	102			:[47 1	. W. & P. RY. CRESCENT AVE. CROSSING	VA	50.76 50.29 49.76	RDPXY		······		
						1	.00 .	D. M. & I. R. RY. CROSSING D. W. & P. RY. VIRMOUNT CROSSING.		49.76	Y				
							.70 .	LUCKNOW WATER TANK D. M. & I. R. Ry. CROSSING		43.25					
YC7	45					10	.11	LUCKNOW		. 40.65	PWX				
:						11	.86	D. M. & I. R. SHERWOOD JCT		. 38.90	JX				
YC514	20	54				12	.08	0.22 BUHL	. BU	38.68	DPX				
						13	.00	D. M. & I. R. FRAZER YARD		. 37.76	PX				
	35					15	.41	ELBERN SIDING		. 35.35	PX				
						15	.96	ST. CLAIR JCT		. 34.80	JPX				
						16	.35	D. M. & I. R. WILPEN JCT		. 34.41	JPX				
YD59	Yard	127				19	.09	EMMERT TOWER		. 31.67	PWIX				
					L 11.3	304m 10	.80	0.71	2	. 30.96	PXI	A 1.22Pm			
					11.3		.58	NORTH MITCHELL		00.40	JPX	1.19			
		142				38Am 21	ш	1.05 HIBBING	AC		RDPX	L 1.15Pm			
							.21	SCRANTON MINE CROSSING	3 AC		IX	L 1.15rm			
							_	3.10		20.00	BRKDNP				
YB25%		1329	•••••				. 31	KELLY LAKE	KY	25.45	WCXYJO			A 3.40Am	
YB15	62	•••••				36	.13	BENGAL		. 14.63	P			3.10	
YB6	68					44	. 59 .		4	. 6.17	P			2.40	
Y178		72				50	.76	SWAN RIVER	WA	_	JDNP WYI				
¥178		72					.76	SWAN RIVER. Time Over Subdivision	WA	_	JDNP WYI	.7		L 2.20Am	
¥178		72			.8	Westw	ard t	SWAN RIVER. Time Over Subdivision Average Speed Per Hour rains are superior to eastward trains of	the	ame c	WYI	14.6		L 2.20Am	
						Westw	ard t	SWAN RIVER Time Over Subdivision Average Speed Per Hour rains are superior to eastward trains of ONAL SPECIAL INSTRUCTIONS PAGES 1	the s	ame c	WYI	14.6		L 2.20Am	
WES		AR	1			Westw SEE A	ard t	SWAN RIVER. Time Over Subdivision Average Speed Per Hour rains are superior to eastward trains of	the s	ame c	WYI	14.6		L 2.20Am 1.20 19.0	'ARI
	(1	FIRST		Westw SEE A	ard t	SWAN RIVER Time Over Subdivision Average Speed Per Hour rains are superior to eastward trains of ONAL SPECIAL INSTRUCTIONS PAGES 1	the s	ame c	WYI	14.6	FIRST	L 2.20Am 1.20 19.0	ARD
WES	Ca	AR]		FIRST	CLASS	Westw SEE A	ard t	Time Over Subdivision Average Speed Per Hour rains are superior to eastward trains of ONAL SPECIAL INSTRUCTIONS PAGES 1 ELEVENTH SUBDIVISION	the s 1 THE ON	ame c	lass.	88		L 2.20Am 1.20 19.0	ARI
WES	(AR	OKS	FIRST	D.M	Westw SEE A	ard t	Time Over Subdivision Average Speed Per Hour rains are superior to eastward trains of ONAL SPECIAL INSTRUCTIONS PAGES 1 ELEVENTH SUBDIVISIO Time Table No. 61.	the s	ame crom	lass.	88 D.M. & LR. 4		L 2.20Am 1.20 19.0	ARI
MES	Ca	ARI	TROKS	FIRST	D.M	Westw SEE A	tance from	Time Over Subdivision Average Speed Per Hour rains are superior to eastward trains of IONAL SPECIAL INSTRUCTIONS PAGES 1 ELEVENTH SUBDIVISIO Time Table No. 61. Effective June 3, 1951 STATIONS	Telegraph Calls	Distance from Gunn	lass.	88		L 2.20Am 1.20 19.0	ARI
WES	Ca	ARI Car pacity	29	FIRST	D.M	Westw SEE A	Distance from Kelly Lake	Time Over Subdivision Average Speed Per Hour rains are superior to eastward trains of ONAL SPECIAL INSTRUCTIONS PAGES 1 ELEVENTH SUBDIVISIO Time Table No. 61. Effective June 3, 1951 STATIONS KELLY LAKE	The state of the s	ame choung dunn dunn dunn dunn dunn dunn dunn d	lass. 19.	88 D.M. & LR. 4		L 2.20Am 1.20 19.0	ARI
WES standam N notate RB 25% CD 64	Ca Suippiig	ARI Car pacity	TROKS	FIRST	D.M	Westw SEE A	Distance from Kelly Lake	Time Over Subdivision Average Speed Per Hour rains are superior to eastward trains of ONAL SPECIAL INSTRUCTIONS PAGES 1 ELEVENTH SUBDIVISIO Time Table No. 61. Effective June 3, 1951 STATIONS KELLY LAKE KEEWATIN	Telegraph Calls KA	ame ckough	BRKDNP WCYXJO DPX	88 D.M. & LR. 4		L 2.20Am 1.20 19.0	ARI
WES 100 100 100 100 100 100 100 100 100 10	Can Surping Yard	ARI	229	FIRST	D.M	Westw SEE A	Distance from Kelly Lake	Time Over Subdivision Average Speed Per Hour rains are superior to eastward trains of ONAL SPECIAL INSTRUCTIONS PAGES 1 ELEVENTH SUBDIVISIO Time Table No. 61. Effective June 3, 1951 STATIONS KELLY LAKE 4.02 KEEWATIN 0.84 MOORE	The State of The Calls of KW	ame ckough	SIGNS BRKDNP WCYXJO DPX PX	88 D.M. & LR. 4		L 2.20Am 1.20 19.0	ARI
WES Enquin N 100 19 19 19 19 19 19 19 19 19 19 19 19 19	Cas Suippigs Yard	ARI Car pacity	229	FIRST	D.M	Westw SEE A	Distance from Kelly Lake	Time Over Subdivision Average Speed Per Hour rains are superior to eastward trains of ONAL SPECIAL INSTRUCTIONS PAGES 1 ELEVENTH SUBDIVISIO Time Table No. 61. Effective June 3, 1951 STATIONS KELLY LAKE 4.02 MOORE 4.73 NASHWAUK 1.88	Telegraph Calls N KW N	ame ckough	BRKDNP WCYXJO DPX PX DPWX	88 D.M. & LR. 4		L 2.20Am 1.20 19.0	ARI
WES Enquin N CO 199 25 1/4 CD 69 CD 74	Casing Sand Sand Sand Sand Sand Sand Sand Sand	ARI	29 18	FIRST	D.M	Westw SEE A	ard to Time Individual	Time Over Subdivision Average Speed Per Hour rains are superior to eastward trains of ONAL SPECIAL INSTRUCTIONS PAGES 1 ELEVENTH SUBDIVISIO Time Table No. 61. Effective June 3, 1951 STATIONS KELLY LAKE KELLY LAKE KEWATIN MANAGE	The state of the s	ame cc COUGH mout source uning 31.32 27.30 26.46 21.73	BRKDNP WCYXJO DPX PX PX	88 D.M. & L.R. 4		L 2.20Am 1.20 19.0	ARI
WES Ending (B 25% (D 64) (D 69) (D 74)	Casting Surprise Yard	ARI	229	FIRST	D.M.	Westw SEE A 87 L&LR.3 Daily	ard to DDITT	Time Over Subdivision Average Speed Per Hour rains are superior to eastward trains of ONAL SPECIAL INSTRUCTIONS PAGES 1 ELEVENTH SUBDIVISIO Time Table No. 61. Effective June 3, 1951 STATIONS KELLY LAKE 4.02 KEEWATIN 0.84 MOORE 4.73 MOORE 4.73 MASHWAUK 1.88 KEVIN 4.32 CALUMET 0.89	the sale The DN Lelegraph Calls KA KA N	ame cc ROUGH wout and uning 31.32 27.30 26.46 21.73 19.44	BREDNP WCYXJO DPX PX DPWX P JDPWX	88 D.M. & I.R. 4 Daily		L 2.20Am 1.20 19.0	ARI
WES RES RES RES RES RES RES RES	Casing Sand Sand Sand Sand Sand Sand Sand Sand	ARI	29 18	FIRST (D.M.	Westw SEE A 87 L&LR.3 Daily	ard t DDITT Distance trom Distance trom Pistance trom Nejla Take	Time Over Subdivision Average Speed Per Hour rains are superior to eastward trains of ONAL SPECIAL INSTRUCTIONS PAGES 1 ELEVENTH SUBDIVISIO Time Table No. 61. Effective June 3, 1951 STATIONS KELLY LAKE 4.02 KEEWATIN 0.84 MOORE 4.73 MOORE 4.73 KEVIN 4.32 CALUMET 0.89 MARBLE 3.50 MARBLE	Telegraph Calls KA KA CO RB	ame c ROUGH would string 31.32 27.30 26.46 21.73 19.44 15.13	BRKDNP WCYXJO DPX PX DPWX P JDPWX DPX	88 D.M. & I.R. 4 Daily A 1.26Pm 5 1.24		L 2.20Am 1.20 19.0	ARI
WES SEP GREEN	Casting Surprise Yard	ARI	29 18	FIRST (D.M.	Westw SEE A 87 [.&LR.3 Daily 10.57An 11.00 11.07	ard t DDIT DDIT DDIT A.C. A.C. 4.C. 4.C. 4.C. 11.4. 16.1. 17.C. 20.8.	Time Over Subdivision Average Speed Per Hour rains are superior to eastward trains of ONAL SPECIAL INSTRUCTIONS PAGES 1 ELEVENTH SUBDIVISIO Time Table No. 61. Effective June 3, 1951 STATIONS KELLY LAKE 4.02 KEEWATIN 0.84 3 MOORE 4.73 4.73 5 MASHWAUK 1.88 7 LASE 8 LASE 8 LASE 9 LASE	the sale The DN Lefe Graph Calls KA KA N CU RB	ame c ROUGH would string of the string of th	BRKDNP WCYXJO DPX PX DPWX P JDPWX DPX JPI	B8 D.M. & LR. 4 Daily A 1.26Pm s 1.24 f 1.17		L 2.20Am 1.20 19.0	ARI
WES Numbers	Casting Surprise Yard	ARI	29 18	FIRST	D.M.	Westw SEE A 87 L&LR.3 Daily	ard t DDITT Distance trom Distance trom Pistance trom Nejla Take	Time Over Subdivision Average Speed Per Hour rains are superior to eastward trains of ONAL SPECIAL INSTRUCTIONS PAGES 1 ELEVENTH SUBDIVISIO Time Table No. 61. Effective June 3, 1951 STATIONS KELLY LAKE. 4.02 KEEWATIN. 0.84 MOORE. 4.73 MOORE. 4.73 MASHWAUK. 1.88 MOORE. 4.32 CALUMET. 0.89 MARBLE. 3.50 HOLMAN JCT. 1.02 TACONITE JCT.	Telegraph Calls KA KA CO RB	ame cc ROUGH would be seen a	BRKDNP WCYXJO DPX PX DPWX P JDPWX JPI JP	88 D.M. & I.R. 4 Daily A 1.26Pm 5 1.24		L 2.20Am 1.20 19.0	ARI
WES Ending N RD 2534 VD 64 VD 69 VD 74 VD 80 VD 82	Cast Surption Yard 90	ARI Car pacity	29 18	FIRST	D.M.	Westw SEE A A B 7	mod sylvania (1987) A	Time Over Subdivision Average Speed Per Hour rains are superior to eastward trains of ONAL SPECIAL INSTRUCTIONS PAGES 1 ELEVENTH SUBDIVISIO Time Table No. 61. Effective June 3, 1951 STATIONS KELLY LAKE KELLY LAKE KEWATIN SHOORE 4.73 NASHWAUK 1.88 KEVIN 4.32 CALUMET 0.89 MARBLE 3.50 MARBLE 1.45 DANUBE 0.38 DANUBE 0.38	the statement of the st	ame cc ROUGH ame cc ROUGH ame cc ROUGH 31.32 27.30 26.46 21.73 19.44 15.18 14.24 10.74 9.72	BRKDNP WCYXJO DPX PX DPWX P JDPWX JPI JP P	B8 D.M. & LR. 4 Daily A 1.26Pm s 1.24 f 1.17 s 1.15		L 2.20Am 1.20 19.0	ARI
WES Endem No. 100 of the second of the seco	Casing in the second se	ARI Dar pacity	29 18	FIRST	D.M.	Westw SEE A A B 7 [. & I.R. 3 Daily 10.57An 11.00 11.07 11.13 11.18	ard t DDIT mover of the property of the prope	Time Over Subdivision Average Speed Per Hour rains are superior to eastward trains of ONAL SPECIAL INSTRUCTIONS PAGES 1 ELEVENTH SUBDIVISIO Time Table No. 61. Effective June 3, 1951 STATIONS KELLY LAKE 4.02 KEWATIN 0.84 0.85 0.84 0.87 0.88 0.88 0.89 0.80	the s I THE ON I THE ON KY KW N CU RB NI	ame cc ROUGH would be under the country of the cou	BREDNP WCYXJO DPX PX DPWX P JDPWX JPI JP P DP	B8 D.M. & LR. 4 Daily A 1.26Pm s 1.24 f 1.17 s 1.15		L 2.20Am 1.20 19.0	ARI
WES E	Cast San	ARI Dar pacity	29 18	FIRST	D.M.	Westw SEE A A B 7	ard t DDIT mover of the property of the prope	Time Over Subdivision Average Speed Per Hour rains are superior to eastward trains of ONAL SPECIAL INSTRUCTIONS PAGES 1 ELEVENTH SUBDIVISIO Time Table No. 61. Effective June 3, 1951 STATIONS KELLY LAKE 4.02 KEEWATIN MOORE 4.73 MASHWAUK 1.88 KEVIN 4.32 CALUMET 0.89 MARBLE 3.50 MARBLE 3.50 MARBLE 3.50 MOORE 4.71 MASHWAUK 1.88 MARBLE 3.50	the statement of the st	ame cc ROUGH mod uning 31.32 27.30 26.46 21.73 19.44 15.13 14.24 10.74 9.72 7.89 7.08	BREDNP WCYXJO DPX P JDPWX P JPI JP P DP DP	B8 D.M. & LR. 4 Daily A 1.26Pm s 1.24 f 1.17 s 1.15		L 2.20Am 1.20 19.0	ARI
WES E	Casing Suppose Yard	ARI Dar pacity 133	29	FIRST	D.M.	Westw SEE A A B 7 [. & I.R. 3 Daily 10.57An 11.00 11.07 11.13 11.18	ard to DDIT we say to the say the say to the say the say to the say	Time Over Subdivision Average Speed Per Hour rains are superior to eastward trains of ONAL SPECIAL INSTRUCTIONS PAGES 1 ELEVENTH SUBDIVISIO Time Table No. 61. Effective June 3, 1951 STATIONS KELLY LAKE 4.02 KEEWATIN 0.84 MOORE 4.73 MOORE 4.73 KEVIN 4.32 CALUMET 0.89 MARBLE 3.50 MARBLE 3.50 MARBLE 0.38 MOUNTE 0.81 MOUNTE 0.	the s I THE ON I THE ON KY KW N CU RB NI	ame cc ROUGH would be under the country of the cou	BRKDNP WCYXJO DPX PX DPWX P JDPWX JPI JP P DP DP PWXY	B8 D.M. & LR. 4 Daily A 1.26Pm s 1.24 f 1.17 s 1.15		L 2.20Am 1.20 19.0	ARI
WES Begunn N B 25% (D 64 (D 69 (D 74 CD 86 (D 86 (D 88 (D 88 (D 89	Cast San	ARI Dar pacity	29	FIRST	D.M.	Westw SEE A A B 7 [. & I.R. 3 Daily 10.57An 11.00 11.07 11.13 11.18	ard t DDIT mod part of the pa	Time Over Subdivision Average Speed Per Hour rains are superior to eastward trains of ONAL SPECIAL INSTRUCTIONS PAGES 1 ELEVENTH SUBDIVISIO Time Table No. 61. Effective June 3, 1951 STATIONS KELLY LAKE 4.02 KEEWATIN 0.84 MOORE 4.73 MOORE 4.73 KEVIN 4.32 CALUMET 0.89 MARBLE 3.50 MARBLE 3.50 MARBLE 0.38 MOUNTE 0.81 MOUNTE 0.	the s I THE ON SITUATION KY KW N CU RB NI CR	ame cc ROUGH mod uning 31.32 27.30 26.46 21.73 19.44 15.13 14.24 10.74 9.72 7.89 7.08	BREDNP WCYXJO DPX P JDPWX P JPI JP P DP DP	B8 D.M. & LR. 4 Daily A 1.26Pm s 1.24 f 1.17 s 1.15		L 2.20Am 1.20 19.0	ARI

ALL SUBDIVISIONS

1. Omitted.

2. SPEED RESTRICTIONS GENERAL.

(a) Where Automatic Block and Interlocking Rules and Signal Indications require movement at RESTRICTED SPEED, such movement must be made prepared to stop short of train, obstruction, or switch not properly lined and on the lookout for broken rail or anything that may require the speed of a train to be reduced; but not exceeding 15 MPH or as much slower as necessary; and where conditions require the movement must be controlled so stop can be made in time to avoid accident.

(b) Maximum permissible speed of passenger and freight trains, except Streamliners, will be designated by distinctive reflectorized roadway signs set in an upward angle of 45 degrees. Except as directly affected by speed restrictions prescribed below and other speed restrictions covered by Item No. 2 under individual Subdivisions, the 45 degree signs prescribe the speed territories and the numerals thereon indicate in miles per hour the maximum permissible speed which will govern until the next territory is reached.

When the movement is from a higher to a lower speed territory the 45 degree sign is located approximately one mile from the point where the lower speed becomes effective. When the movement is from a lower to a higher speed territory, the 45 degree sign is located at the point where speed may be increased.

When operating against the current of traffic in double track territory, trains must not exceed the maximum permissible speed prescribed by the 45 degree sign with the current of traffic. This does not modify Rule 93.

When the 45 degree sign has two sets of figures, the numerals preceded with letter "P" apply to passenger trains, except Streamliners, and letter "F" to freight trains.

(c) When passenger trains are handled by steam freight engines or when freight cars, except cars equipped with steel wheels, air signal and steam heat lines are handled in passenger trains, the train will not exceed maximum permissible speed for freight trains in territory operated.

(d) Speed shown on Speed Limit Plate on engines must not be

(e) Steam engines backing up	exceeded.		
with caboose only Diesel and Electric engines, light or with caboose only Trains handling steam derricks, pile drivers, ditchers, cranes, steam shovels, dozers, etc., on Main Lines Except on 6 degree curves or sharper, and on Branch Lines Trains handling ore cars or air dump cars loaded with ore or gravel, and scale test cars, on Main Lines Except on 6 degree curves or sharper, and on Branch Lines Unless conditions require a further speed restriction, trains or engines moving against the current of traffic on double track through interlockings Trains or engines moving on main routes actuating points of spring switches Trains or engines moving in facing point direction at spring switches without facing point lock Saunders Crossover switches between and westward main tracks. Boylston Crossover switches between eastward and westward main tracks. Dedham East and west siding switch. Hinckley Tower. East and west siding switch. Brook Park East and west siding switch. Brook Park East and west siding switch. Brook Park Coon Creek Jct. Junction switch to 2nd Subdivision. Coon Creek Crossover switches between N. P. and	(e) Steam engines b	acking up	20 MPH
with caboose only Diesel and Electric engines, light or with caboose only Trains handling steam derricks, pile drivers, ditchers, cranes, steam shovels, dozers, etc., on Main Lines Except on 6 degree curves or sharper, and on Branch Lines Trains handling ore cars or air dump cars loaded with ore or gravel, and scale test cars, on Main Lines Except on 6 degree curves or sharper, and on Branch Lines Unless conditions require a further speed restriction, trains or engines moving against the current of traffic on double track through interlockings Trains or engines moving on main routes actuating points of spring switches Trains or engines moving in facing point direction at spring switches without facing point lock Saunders Crossover switches between and westward main tracks. Boylston Crossover switches between eastward and westward main tracks. Dedham East and west siding switch. Hinckley Tower. East and west siding switch. Brook Park East and west siding switch. Brook Park East and west siding switch. Brook Park Coon Creek Jct. Junction switch to 2nd Subdivision. Coon Creek Crossover switches between N. P. and	Steam engines in fo	rward motion running light or	
Diesel and Electric engines, light or with caboose only Trains handling steam derricks, pile drivers, ditchers, cranes, steam shovels, dozers, etc., on Main Lines	with caboose	only	35 MPH
Trains handling steam derricks, pile drivers, ditchers, cranes, steam shovels, dozers, etc., on Main Lines 25 MPH except on 6 degree curves or sharper, and on Branch Lines 15 MPH Trains handling ore cars or air dump cars loaded with ore or gravel, and scale test cars, on Main Lines 20 MPH except on 6 degree curves or sharper, and on Branch Lines 20 MPH Unless conditions require a further speed restriction, trains or engines moving against the current of traffic on double track through interlockings 15 MPH Trains or engines moving on main routes actuating points of spring switches 15 MPH Trains or engines moving in facing point direction at spring switches without facing point lock 25 MPH Trains or engines through No. 20 turnouts at: 35 MPH Saunders Crossover switches between and westward main tracks. Boylston Crossover switches between eastward and westward main tracks. Dedham East and west siding switch. Hinckley Tower. East and west siding switch. Brook Park Least and west siding switch. Brook Park Jct. Junction switch to 2nd Subdivision. Grasston East and west siding switch. Coon Creek Jct. Junction switch to 1st Subdivision. Coon Creek Lc. Crossover switches between N. P. and	Diesel and Electric er	igines, light or with caboose only	
cranes, steam shovels, dozers, etc., on Main Lines	Trains handling steam	n derricks, pile drivers, ditchers,	
Lines 25 MPH Lines 15 MPH Trains handling ore cars or air dump cars loaded with ore or gravel, and scale test cars, on Main Lines 20 MPH except on 6 degree curves or sharper, and on Branch Lines 20 MPH except on 6 degree curves or sharper, and on Branch Lines 20 MPH Unless conditions require a further speed restriction, trains or engines moving against the current of traffic on double track through interlockings 15 MPH Trains or engines moving on main routes actuating points of spring switches 25 MPH Trains or engines moving in facing point direction at spring switches without facing point lock 25 MPH Trains or engines through No. 20 turnouts at: 35 MPH Saunders Crossover switches between and westward main tracks. Boylston Crossover switches between eastward and westward main tracks. Dedham East and west siding switch. Hinckley Tower East and west siding switch. Brook Park Jct. Junction switch to 2nd Subdivision. Grasston East and west siding switch. Brook Park Jct. Junction switch to 1st Subdivision. Coon Creek Jct. Junction switch between N. P. and	cranes, steam	shovels, dozers, etc., on Main	
Except on 6 degree curves or sharper, and on Branch Lines	Lines		25 MPH
Lines	except on 6 degree cu	arves or sharper, and on Branch	
ore or gravel, and scale test cars, on Main Lines except on 6 degree curves or sharper, and on Branch Lines	Lines		15 MPH
except on 6 degree curves or sharper, and on Branch Lines	Trains handling ore c	ars or air dump cars loaded with	
except on 6 degree curves or sharper, and on Branch Lines	ore or gravel,	and scale test cars, on Main Lines	30 MPH
Unless conditions require a further speed restriction, trains or engines moving against the current of traffic on double track through interlockings Trains or engines moving on main routes actuating points of spring switches	except on 6 degree co	urves or sharper, and on Branch	
Unless conditions require a further speed restriction, trains or engines moving against the current of traffic on double track through interlockings Trains or engines moving on main routes actuating points of spring switches	Lines		20 MPH
Trains or engines moving on main routes actuating points of spring switches	Unless conditions req	uire a further speed restriction.	
Trains or engines moving on main routes actuating points of spring switches	trains or engi	nes moving against the current	
Trains or engines moving in facing point direction at spring switches without facing point lock	of traffic on do	ouble track through interlockings	15 MPH
Trains or engines moving in facing point direction at spring switches without facing point lock	Trains or engines me	oving on main routes actuating	
spring switches without facing point lock	points of sprin	ng switches	35 MPH
Trains or engines through No. 20 turnouts at:	Trains or engines mo	ving in facing point direction at	
Saunders	spring switche	s without facing point lock	25 MPH
and westward main tracks. BoylstonCrossover switches between eastward and westward main tracks. DedhamEast and west siding switch. AskovEast and west siding switch. Hinckley Tower. East and west siding switch. Brook ParkEast and west siding switch. Brook Park JctJunction switch to 2nd Subdivision. GrasstonEast and west siding switch. Coon Creek JctJunction switch to 1st Subdivision. Coon CreekCrossover switches between N. P. and	Trains or engines thr	ough No. 20 turnouts at:	35 MPH
and westward main tracks. BoylstonCrossover switches between eastward and westward main tracks. DedhamEast and west siding switch. AskovEast and west siding switch. Hinckley Tower. East and west siding switch. Brook ParkEast and west siding switch. Brook Park JctJunction switch to 2nd Subdivision. GrasstonEast and west siding switch. Coon Creek JctJunction switch to 1st Subdivision. Coon CreekCrossover switches between N. P. and	Saunders	Crossover switches between	eastward
Boylston		and westward main tracks	
and westward main tracks. Dedham	Boylston	Crossover switches between	eastward
AskovEast and west siding switch. Hinckley Tower. East and west siding switch. Brook ParkEast and west siding switch. Brook Park JctJunction switch to 2nd Subdivision. GrasstonEast and west siding switch. Coon Creek JctJunction switch to 1st Subdivision. Coon CreekCrossover switches between N. P. and		and westward main tracks.	
Hinckley Tower. East and west siding switch. Brook Park East and west siding switch. Brook Park Jct Junction switch to 2nd Subdivision. Grasston East and west siding switch. Coon Creek Jct Junction switch to 1st Subdivision. Coon Creek Crossover switches between N. P. and	Dedham	East and west siding switch.	
Brook ParkEast and west siding switch. Brook Park JctJunction switch to 2nd Subdivision. GrasstonEast and west siding switch. Coon Creek JctJunction switch to 1st Subdivision. Coon CreekCrossover switches between N. P. and	Askov	East and west siding switch.	
Brook Park JctJunction switch to 2nd Subdivision. GrasstonEast and west siding switch. Coon Creek JctJunction switch to 1st Subdivision. Coon CreekCrossover switches between N. P. and	Hinckley Towe	er. East and west siding switch.	
Brook Park JctJunction switch to 2nd Subdivision. GrasstonEast and west siding switch. Coon Creek JctJunction switch to 1st Subdivision. Coon CreekCrossover switches between N. P. and	Brook Park	East and west siding switch.	
Coon Creek JctJunction switch to 1st Subdivision. Coon CreekCrossover switches between N. P. and	Brook Park Jc	tJunction switch to 2nd Subdi-	vision.
Coon Creek Crossover switches between N. P. and	Grasston	East and west siding switch.	
G. N. main tracks.	Coon Creek Jc	tJunction switch to 1st Subdivi	ision.
G. N. main tracks.	Coon Creek	Crossover switches between N	P. and
		G. N. main tracks.	

	BrookstonCrossover switches between eastward and westward main tracks.
	Junction switch to 8th Subdivision. Swan RiverEnd of double track. Junction switch to 10th Subdivision.
	PhilbinEast and west siding switch.
Trains	or engines through No. 15 turnouts at: 25 MPH Central Ave.
	Tower Crossover switches between eastward and westward main tracks.
	Saunders Junction switch to 7th Subdivision. Boylston Junction switch to 3rd Subdivision. Bridge A-9 End of double track.
	Bridge 29 East and west switch of gantlet. Gunn Junction switch to 3rd Subdivision.
	Gunn Yard Junction switch to 11th Subdivision.
Trains	or engines through all other turneuts

Trains or engines through all other turnouts...... 15 MPH (f) Open cars loaded with poles, piling, lumber, timber, pipe or other lading which might shift, shall be handled as far as possible in pole trains or local trains. Except at points where it is necessary to classify trains, such cars should be placed as close as possible to the head end of the train but shall not be placed immediately next to Diesel or Electric engines, or immediately next to caboose, occupied outfit or passenger cars. These commodities must not be placed in trains at such locations as will conflict with the rules governing the handling of explosives, inflammables or acids.

In double track territory, engineers on trains containing such cars must at all times use extreme care to avoid slack running in or out when passing or being passed by other trains.

On single track, trains containing such cars must be at stop when on siding or adjacent track when meeting or being passed by other trains, except when there are more cars than siding will hold, it is permissible for such train to pull by other train at restricted speed.

MOVEMENT OF ENGINES DEAD IN TRAINS.

Class O and larger engines will be placed not to exceed 15 cars behind road engine. In electrified zone only class R engines will be handled on head end, all others near rear. Class F-8 and smaller engines will be placed next ahead of ca-

Diesel and Gas-Electric engines 2300-2341 must be handled on

rear of train.

Not less than five cars will be placed between all engines. Trains handling Great Northern steam engines dead in train with

side rods on both sides will not exceed 40 MPH; and without side rods will not exceed 10 MPH.

Trains handling foreign line steam engines with side rods on both sides will not exceed speed designated by Superintendent; and

without side rods will not exceed 10 MPH.

Engines that have any of the truck or driving wheels removed will not be moved in a train without authority of Superintendent. Trains handling Electric, Diesel and Gas-Electric engines in tow dead in train will not exceed following speeds:

Engine Number Maximu	m Speed
1 to 23-75 to 170-253 to 258-262 to 264-272 to 277-	
301 to 310-400 to 456	50 MPH
50	35 MPH
175 to 227-600 to 653	65 MPH
250, 251-260, 261-266 to 270-350 to 365-500 to 512	75 MPH
252 & 259-265-300	45 MPH
2300 to 2324	50 MPH
2325 to 2341	60 MPH
5010 to 5019	45 MPH
Under Rule 2, watches that have been examined and	55 MPH

- to by a designated inspector must be used by train dispatchers and yardmen.
- 5. Brakemen with less than one year of experience should not be used as flagmen except in emergency, and then Superintendent will be notified by wire.

6. When operating snow machines in non-block signal territory no train should be permitted to follow closer than a station apart,

when that cannot be done they will be blocked not less than

thirty minutes apart.

After severe blizzard or dirt storm, employes on first train over road must exercise care to avoid accident caused by striking drift without first having drifts faced with hand shovels, cutting in far enough to get beyond the hard snow and giving a per-pendicular wall to strike against instead of slope or wedge-like shape. When operating snow dozer, conductor in charge will ride in the dozer.

On snow and dirt dozers every precaution must be taken to see that cage, flangers and wings clear all obstacles when in service and are properly secured when in through trains, and dozers properly turned. Hand screws must be tightened to raise flanger on dozers as high as possible before making a back-up movement, and must not be released until the dozing work is actually to start. Hand screws holding the cage on dozers must be tightened or chains otherwise fastened except when dozer has air in cylinders and is attended by an employe.

Loaded dump cars should not be handled on double track after dark, but if necessary to do so, close watch must be kept by trainmen and if a car dumps its load, train must be stopped and protection afforded on the opposite track.

- Trains 1, 2, 3, 4, 7, 8, 11, 12, 19, 20, 23 and 24 carry 100 ft. of steam hose in two 50 ft. lengths equipped with standard Vapor and engine steam dome connections for emergency use in event of steam failure on train engine and non-steam train line engine furnished to handle train. In case of steam line failure on a car, connect both hoses together to run around such car so can be taken to first terminal, using combination standard Vapor and steam dome connections attached to reel. Car must be drained before proceeding.
- 10. Unless otherwise provided, when passenger trains are operated against current of traffic on double track or through sidings, conductors shall notify Railway Postal Clerks, trains shall stop at points where U. S. Mail is usually picked up and Conductors are responsible for delivery of mail to Postal car.
- Conductors will report by wire, all flat spots on wheels of passenger cars. Any cars having flat spots on wheels of more than two and one-half inches long must be set out.
- 12. Due to limited overhead clearance at tunnels and structures, employes are warned to keep off top of cars of extreme height and width when handled in trains and yards, also such standing cars in electrified zone, except in emergency. In absence of previous advice on such cars, wire proper officer for instructions.
- The Railway Company is responsible for proper handling of perishable freight on road and at points where Western Fruit Express Company do not maintain representatives. Conductors on trains handling perishable freight will ascertain from waybills class of service required and light or extinguish heaters and manipulate vents in accordance with current instructions provided for handling perishable freight issued by the National Perishable Freight Committee.
- Placarded loaded tank cars moving in through freight trains must be placed not less than 6th car from engine or caboose; cars placarded "Explosives", "Inflammable", or "Corrosive Liquids", not less than 16th car from road engine, one car from helper engine and 11 cars from caboose. These cars may be handled second car from engine or caboose in local trains. These cars must not be placed in trains next to each other, next to refrigerators equipped with gas burning heaters, stoves or lanterns, or flat cars loaded with logs, poles, lumber, pipe, rails, iron, steel, and gondola cars with such lading higher than ends, or cars of similar lading that is liable to shift. Carload express shipments of explosives, sealed and placarded, may be handled on passenger trains; LCL shipments may be made in so-called peddler car with messenger in charge when such car is assigned to the handling of express and baggage exclusively, provided shipments are accompanied by authorized representative of United States Government while on trains. Terminals or pick-up points enroute must furnish conductor and engineer Form 250 showing consecutively location in train of all cars placarded "Explosives". At points other than terminals where crews change notice will be transferred from crew

Further details governing handling of Explosives, Inflammable and Corrosive Liquids may be found in I.C.C. Regulations.

- Gas-Electric engines must not be fueled while occupied by passengers, or coupled to cars occupied by passengers.
- The normal position of a spring switch with facing point lock is identified by a color light type signal displaying a "lunar white" light for train or engine movements in a trailing point direction and for movements in facing point direction when conditions require.

The normal position of a spring switch without facing point lock is identified by a triangular yellow target on switch stand with letter "S" in black, and "lunar white" light in switch lamp in place of green light displayed in both directions through or

over the switch. 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.

INDICATORS AT SPRING SWITCHES.

A Switch Indicator, consisting of a single yellow light unit (normally dark) and a switch-key-controller mounted on an iron mast located at clearance point of a siding, must be operated by a member of the crew who, together with engineer, must observe and be governed by its indication before fouling main track or making movement from siding to main track through a spring switch in automatic signal territory, unless the move-ment is made immediately after an opposing train has passed the switch, and Automatic Signal at leaving end of siding indicates "Proceed".

If Indicator displays a yellow light when switch-key-controller is operated, train or engine movement to main track may be made immediately in accordance with train rights and operating rules. Display of yellow light must continue until leading wheels

have passed clearance point.

If Indicator does not display a yellow light when switch-keycontroller is operated, train or engine movement to main track may be made in accordance with train rights and operating rules, after operating spring switch by hand; waiting three minutes and taking every precaution to provide proper protection.

To operate Switch Indicator, insert switch key in controller and turn clockwise toward "R", hold a few seconds, and remove key. If yellow light is displayed and intended movement is not made, insert switch key in controller and turn counter-clockwise toward "N" to restore signal system to normal condition to avoid delay

to trains on main track. Switch-key-controller must never be operated toward "N" after having been operated toward "R" if intended movement to main

- track is to be made. 17. DRAGGING EQUIPMENT DETECTOR INDICATOR consists of a single white light unit (normally dark) with circular back-ground mounted on signal or other mast. When white light is
- displayed, train must be stopped and inspected for dragging equipment. Notify Superintendent from first available point of communication. 18. 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.
- 19. Under Rule 24, engine number only will be displayed in indicators on engines so equipped. This will also apply when our engines are operating over Northern Pacific tracks. Between Klamath Falls and Chemult, Southern Pacific Rules will govern.

 Rule 204 (A) prescribes that copies of train orders will be furnished the rear trainman, such orders will only be furnished on trains designated.

Nos. 1, 2, 3, 4, 7, 8, 9, 10, 28, 29, 30 and sections thereof; also, extra passenger train whether operated as a section of regular train or as a passenger extra.

- 21. Air hose on Diesel and Electric engines must be hooked up in hose fastener when not in use.
- 22. Before leaving any engine terminal enginemen will make proper tests and inspections of water glasses, gauge cocks, water column and injectors, and will not leave the terminal unless all these are in proper working order.

Should enginemen on steam engines find that the water is not in sight in water glasses, and if water cannot be raised to bottom gauge cock or water glass by opening throttle, on oil burning engines the fire must be extinguished immediately and on coal burning engines the fire must be knocked out or smothered to the extent there will be no damage done to the crown sheet. If water can be raised to the bottom gauge cock or water glass, the water level should be built up by use of the pump, or injector, or both.

Should the low water alarm whistle blow, on any engine so equipped, enginemen will immediately ascertain where the water level is in the boiler by blowing out water glasses and water column, and being sure that water glass mounting valves are open and if water cannot be raised to the bottom gauge cock or water glass by opening throttle, enginemen will be governed by instructions in the preceding paragraph.

23. ON ENGINES, PASSENGER, FREIGHT AND ORE CARS EQUIPPED WITH ROLLER BEARINGS, EMPLOYES WILL BE GOVERNED AS FOLLOWS:

Roller bearing failures on cars or engines equipped with roller bearings in the journal boxes may be due to lack of oil. If the box is not blazing, this oil plug in the cover should be removed and engine or valve oil added. Oil must never be added to a box that is blazing. After the oil has been added and plug replaced, the train should proceed at reduced speed and care exercised until it is apparent that the box will run cool. If fire develops in roller bearing box on any equipment, it must be closely watched, train moved slowly, and Superintendent notified from first available point of communication, who will prescribe for the movement.

Some engines and cars equipped with roller bearings have heat indicators or stench bombs inserted in the housing of boxes which release a strong pungent odor in the event of excessive journal box temperatures. When this odor is detected train must be stopped at once and box located. Compare the temperature of this box with the other boxes on the same engine or car, check the oil level, and if there is no evidence of overheating, train may proceed, but if the box is overheating, proceed only as instructed in the preceding paragraph.

Ore cars equipped with roller bearings have box cover painted orange, four inch white stripe full length of car beneath stencilled name, "GREAT NORTHERN", and "TIMKIN ROLLER BEARINGS" stencilled in black across center of white stripe.

Cars or engines equipped with roller bearings must not be allowed to stand alone, even on level track, without brakes adequately applied.

24. OSCILLATING EMERGENCY RED HEADLIGHT will be immediately displayed by day or night when a train is disabled or stopped suddenly by an emergency application of air brakes or when engineer and conductor find it necessary to stop train due to some defect which might cause accident, overrunning clearance point at meeting and waiting points, end of double track or junction.

Engineer of an approaching train observing display of emergency red headlight must stop before passing and be governed by conditions existing. If operating on adjacent track, ascertain and if safe for passage, then proceed at restricted speed until train is passed.

OSCILLATING EMERGENCY RED REAR END LIGHT is of two types—Automatic Control-Portable Manual Control—and except as otherwise provided, must be displayed by day or night each time train stops or is running at speed less than 18 MPH. Automatic Control type automatically functions in this manner. However, when train running at speed above 18 MPH and moving under circumstances in which it might be overtaken by another train or engine and during foggy and stormy weather, light may be operated manually with emergency switch and employes to afford other protection prescribed by rule.

THE USE OF EMERGENCY RED HEADLIGHT AND REAR END LIGHT DOES NOT IN ANY WAY RELIEVE ENGINEMEN AND TRAINMEN FROM RESPONSIBILITY OF COMPLYING WITH RULES 99 AND 102.

Emergency red rear end light must be extinguished: when standing at origin and terminus stations of train run; when switching being performed from rear; when on siding to be passed by another train; and, when another train operating on adjacent track is approaching from rear, but not until it is known such train is not on same track.

Portable light must be removed before coupling to rear of such car.

Oscillating white light on engines will be displayed in addition to standard headlight governed by Rules 17 and 17(B). In case of headlight failure it can be used as emergency headlight or as a focus light by push button control if desired.

Enginemen and trainmen on trains and engines equipped with oscillating emergency red lights must familiarize themselves with the operation of the lights.

- 25. Rule D-97 is in effect on this division.
- 26. 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.
- 27. Whistle Signals for Routes at Junctions and Interlockings:

Routes		Whistles
Main Track	2	short, 1 long
Diverging route		long
Siding		short
Against current o	f traffic1	long, 1 short

FIRST SUBDIVISION

(Main Line)

1. MAXIMUM PERMISSIBLE SPEED FOR TRAINS.

Between Passenger Freight

Central Ave. Tower and Boylston 75 MPH
Boylston and Foxboro 60 MPH
Foxboro and Coon Creek Jct. 79 MPH 50 MPH

2. SPEED RESTRICTIONS.

Duluth Terminal Bridge to G. N. Rices Point and G. N. connection to Seventh Ave. freight house, trains and engines at restricted speed not exceeding _________ 20 MPH Bridge 14.2, Boylston, _________ Passenger 35 MPH Bridge 22.2, Foxboro, R ________ 20 MPH

3. TRAIN REGISTER EXCEPTIONS.

All trains register by ticket at Central Ave. Tower, Saunders, Brook Park, Coon Creek Jct., also Sandstone, except trains originating and terminating at that point.

Eastward freight trains will throw off register check at Saunders giving all information called for in train register except arrival and tie up.

CLEARANCE PROVISIONS AND EXCEPTIONS RULE 83(B).
 (a) At Boylston, Brook Park Jct., trains for which these points are initial stations may proceed on authority of clearance under which such trains arrive.

(b) Mesabi Division clearance received by first class trains and passenger extras at Minneapolis, and by other trains at Minneapolis Jct., will clear train at Coon Creek Jct. when train order signal indicates proceed.

5. RESTRICTED CLEARANCES. Superior, bents under Fifteenth St. viaduct will not clear man on side of car or engine.

- 6. Second class and extra trains will use double track with the current of traffic without train orders or clearance between 25th Street, Superior, and Central Avenue Tower where they will receive train orders or clearance.
- 7. Hinckley, automatic block signal 72.1 governing westward trains, is located on left hand side of main track about 500 feet west
- 8. SPEED TEST BOARDS. Engineers shall test speed of their trains passing following point as compared with Speed Table: Westward, between MP 76 and MP 77 approximately 4 miles west of Hinckley Tower. Eastward, between MP 77 and MP 76 approximately 8 miles east of Brook Park.
- 9. CROSSOVERS ON DOUBLE TRACK. Trailing Point Facing Point Central Ave. Saunders, east crossover Saunders, at tower. Boylston Saunders, west crossover
- 10. SPRING SWITCHES WITH FACING POINT LOCK. Dedham, east and west siding switch. Nickerson, east and west siding switch. Askov, east and west siding switch. Grasston, east and west siding switch. Cambridge, east and west siding switch. Bethel, east and west siding switch. Normal position is for main track.
- SPRING SWITCHES WITHOUT FACING POINT LOCK. Superior, east switch of Eastward and Westward incoming tracks. Normal position is for incoming tracks and all other roundhouse lead switches, when not in use, must be left lined for roundhouse lead. Elevator "X", east and west of car unloader on unloading track.

Normal position of switch west of unloader is for unloading track.

Normal position of switch east of unloader is for runaround track.

12. MANUAL INTERLOCKINGS. Central Ave. Tower N. P. Ry. crossing Saunders junction with 7th Subdivision N. P. Ry. crossing N. P. Ry. crossing Coon Creek Jct. junction with N. P. Ry.

MANUAL INTERLOCKINGS WITH DUAL CONTROL SWITCHES. Boylstonjunction with 3rd Subdivision Brook Park ______east siding switch
Brook Park Jct._____

west siding switch and junction switch to 2nd Subdivision Hinckley Tower _____west siding switch Sandstone ____east and west yard switch

Switches electrically controlled by the operator at Saunders.

Interlocking Rules Nos. 601A to 671 inclusive, with special attention directed to Rules Nos. 628(A), 628(B), 663(A), 663(B), 663(C), supplemented by the following, govern in the use of this Interlocking.

A proceed indication, Rule 601(B) Fig. 2 or Rule 601C Fig. 2, displayed to eastward trains or engines by the governing eastward home signal at the Boylston Interlocking confers authority regardless of class to proceed, WITH THE CURRENT OF TRAFFIC ONLY.

When a train or engine is stopped by a Stop-indication of a home signal and no immediate conflicting train or engine movement is evident, trainman shall proceed to telephone and communicate with the signalman at Saunders Interlocking and be governed by his instructions. Instructions for hand operation of dual control switches are posted in the telephone booth. In case of failure of means of communication, train and engine movements must be made in accordance with train rights and operating rules.

FOR MOVEMENT AGAINST THE CURRENT OF TRAFFIC BOYLSTON TO SAUNDERS ON WESTWARD MAIN TRACK

A "Proceed on secondary route" indication, Rule 601D Fig. 1, displayed to eastward trains or engines by the governing eastward home signal at Boylston Interlocking confers authority to USE THE WESTWARD TRACK from Boylston to the governing eastward low home signal at Saunders.

Rule 511 governs in the use of the west crossover at Saunders. The west switch of this crossover is equipped with an electric switch lock and instructions for its use are posted in the "Lock Box".

- 14. AUTOMATIC INTERLOCKINGS. 73rd St., _____MStP&SSM, RR. Crossing
- 15. SWITCH INDICATOR. Saunders, located at east switch of crossover on westward main track. Instructions for operation of indicator posted in adja-

SECOND SUBDIVISION

(Milaca Line) 1. MAXIMUM PERMISSIBLE SPEED FOR TRAINS. Passenger Freight Between Brook Park Jct. and East St. Cloud....... 50 MPH 40 MPH

2. SPEED RESTRICTIONS.

 Bridge 46.3, Mora, R engines
 20 MPH

 Bridge 54.2, Quamba, R engines
 20 MPH

 Between Home Signals of Interlockings at:
 20 MPH

 Brook Park Jct.
 20 MPH

 East St. Cloud.

3. TRAIN REGISTER EXCEPTIONS.

Milaca, register only for trains originating and terminating.

4. CLEARANCE PROVISIONS AND EXCEPTIONS RULE 83(B). (a) At Brook Park Jct., trains for which this point is initial station may proceed on authority of clearance under which such trains arrive.

(b) At Milaca Jct., clearance under which Nos. 305 and 315 arrive will clear Nos. 316 and 306, respectively, at that point.

5. Mora, switch-key-controller located at Griswold Signals. When train or engine is stopped on main track within automatic approach control section of crossing signals and will not foul crossing, signals may be set clear for highway traffic by inserting switch key in controller and turn to right. After signals have been set clear, they may be changed to indicate "Stop" to highway traffic by inserting switch key in controller and turn to left.

6. Between St. Cloud and East St. Cloud trains will be governed Eastward trains to 2nd Subdivision must secure clearance at St. Cloud and must know before leaving there that route is clear at N. P. Ry. crossing, East St. Cloud. Westward trains from East Side Line will be governed by interlocking signal at N. P. Ry. Jct.

Westward trains from 2nd Subdivision will be governed by interlocking signal at East St. Cloud.

Operator East St. Cloud will secure authority from operator St. Cloud before clearing interlocking signal for westward trains.

7. SPRING SWITCHES WITHOUT FACING POINT LOCK. St. Cloud, east yard lead switch Eighth Ave.

Normal position is for yard lead. Eastward trains on main track have preference over eastward trains on yard lead. When an eastward train on yard lead is

to move to main track while an eastward train on the main track is standing in the approach circuit, trainman shall operate push button "R" located on signal 746.

8. MANUAL INTERLOCKINGS.

East St. CloudN. P. Ry. crossing

THIRD SUBDIVISION

(Main Line)

1. MAXIMUM PERMISSIBLE SPEED FOR TRAINS.

Between	Passenger	
Boylston and Floodwood	50 MPH	40 MPH
Floodwood and Cass Lake	55 MPH	45 MPH

2. SPEED RESTRICTIONS.

Bridge 75.1, Floodwood, R engines	20 MPH
Grand Rapids, through city limits	15 MPH
Deer River, through city limits	15 MPH
Between Home Signals of Interlockings at:	20 MPH
Bridge 20 westward	

Schley.

Cass Lake, on all tracks over footwalk crossing located just east of coaling station _______ 8 MPH
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 be sounded by coupling up train, trainmen must remain at the crossing to prevent pedestrians from crawling through the cars. Engines must not be blown down within 100 feet of this crossing.

3. TRAIN REGISTER EXCEPTIONS.

Saunders, all trains register by ticket.

Eastward freight trains will throw off a register check at Saunders giving all information called for in the train register except arrival and tie up.

Cloquet, register for trains 35 and 36 only.

- 4. CLEARANCE PROVISIONS AND EXCEPTIONS RULE 83(B). At Boylston, trains for which this point is initial station may proceed on authority of clearance under which such trains arrive.
- 5. Double track extends between Boylston and Swan River, except gantlet over Bridge 29, which is governed by interlocking signals.
- Cloquet, derails located near east end storage tracks Nos. 1 and 2 are not provided with derail signs.
- 7. Cloquet, when setting out cars on either end of No. 1 track be sure cars are shoved down far enough to clear N. P. Ry. cross-
- 8. Brookston, special signal consisting of horn and yellow light is located north of westward main track just west of coaling station to inform crews of eastward ore trains from Casco and Gunn lines when carmen have completed inspection and train is in condition to proceed.

Carmen will operate horn and light by means of push button located on telegraph pole about 300 feet west of block signal 58.8 in accordance with the following code:

(a) One blast of horn and one flash of yellow light indicates train will not proceed until further instructed.

(b) Two blasts of horn and two flashes of yellow light indicate train from Gunn Line may proceed.

(c) Three blasts of horn and three flashes of yellow light indicate train from Casco Line may proceed.

- 9. Swan River, train orders and messages delivered by hoop to eastward trains will be delivered from the south or right hand
- 10. Philbin, siding must be used by eastward trains only, unless otherwise authorized by train order.
- 11. Grand Rapids, switch-key-controller located on depot. When train or engine is stopped on main track within automatic approach control section of crossing signals and will not foul crossing, signals may be set clear for highway traffic by inserting switch key in controller and turn to right. After signals have been set clear, they may be changed to indicate "Stop" to

highway traffic by inserting switch key in controller and turn to left.

- 12. Grand Rapids, when setting out cars, eastward freight trains will stop and leave train west of west switch; westward trains will stop east of the first public crossing.
- 13. Deer River, daily except Saturday, eastward freight trains will set out all cars destined Grand Rapids other than perishable and rush cars.

14. SPEED TEST BOARDS.

Engineers shall test speed of their trains passing following point as compared with Speed Table:

Westward, between MP 86 and MP 87 approximately 41/2 miles west of Island.

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

15. CROSSOVERS ON DOUBLE TRACK.

Facing Point State Line, west crossover Carlton, east crossover Cloquet, west crossover Brookston, east crossover Brookston, 1 mile west of Swan River, east crossover

Trailing Point State Line, east crossover Carlton, west crossover Cloquet, east crossover Flint Pit Brookston, west crossover Mirbat Floodwood Swan River, west crossover

16. SPRING SWITCHES WITH FACING POINT LOCK.

Brookston, east switch of crossover between main tracks. Normal position is for main track.

west switch of crossover between main tracks.

Normal position is for crossover. switch leading to Casco Line (8th Subdivision) from

westward main track. Normal position is for main track.

Swan River, end of double track.

Normal position is for eastward main track.

Philbin, east siding switch.

Normal position is for main track.

west siding switch.

Normal position is for siding.

Cass Lake, east yard switch.

Normal position is for main track.

Instructions governing operation of spring switches at Brooks-

Switch, Casco Line to storage track, is a hand operated switch. Normal position is for storage track. Reversing this switch for movement to Third Subdivision causes automatic block signals on both main tracks to indicate stop. Switch must not be lined for Third Subdivision while movement is being made between signals 57.9 and 58.0.

Block signal 58.0 located just west of the Casco line switch, between the Casco line and westward main track, governs eastward trains from Casco Line across westward main track, through the crossover, and the eastward main track.

Block signal 58.0 will display an approach indication within a few seconds after Casco Line—storage track switch is reversed for movement to Third Subdivision provided spring switches are in proper condition for movement to eastward main track and there is no conflicting train movement in the block on eastward or westward main tracks. If there is a conflicting movement approaching on either main track, the approach indication on signal 58.0 will not be displayed until a time interval of approximately two minutes has elapsed.

17. SPRING SWITCHES WITHOUT FACING POINT LOCK.

Cass Lake, west crossover switch to roundhouse lead incoming roundhouse track outgoing roundhouse track

Normal position is for tracks named.

18. DRAGGING EQUIPMENT DETECTOR INDICATOR.

Eastward trains, on signal 30.2 approximately one mile west of Bridge 29.

SWITCHES. Boylston	10	
MANUAL INTERLOCKINGS WITH DUAL CONTROL SWITCHES. Boylston	9.	
SWITCHES. Boylston		State Line Tower
Swan River	0.	SWITCHES.
division governing operation of this Interlocking. Bridge 29		Swan Rivercrossover and junction with 10th Subdivision Gunnjunction with 11th Subdivision Boylston, switches electrically controlled by operator at Saund-
Bridge 29		division governing operation of this Interlocking.
Bridge 29	1.	AUTOMATIC INTERLOCKINGS.
Release for westward route on westward track is located in release box at eastward home signal. Release for eastward route on eastward track is located in release box at westward home signal. Cranks for hand operation of smashboards are attached by chains to the mechanism. If train moving against the current of traffic is stopped by dwarf signal, trainman will operate release located in release box nearest the dwarf signal, and if signal does not indicate proceed when release returns to normal position, trainman may flag train through gantlet making certain that smashboard at opposite end of gantlet is in the reverse position. Philbin: Interlockings at the east and west siding spring switches operate automatically for all movements, except westward movements to the main track at the west switch, and eastward movements to the main track at the west switch, which require hand operation of spring switch. Eastward trains on siding take preference over eastward trains on main track approaching east switch, and westward trains on main track approaching east switch, and westward trains on siding approaching west switch. For further information see instructions posted in push button boxes, located at eastward home signal at east switch, and at westward home signal at west switch. SWITCH INDICATOR. Cloquet, Switch Indicators, each consisting of a yellow light unit (normally dark) and a switch-key-controller mounted on an iron mast, located near the east yard switch and both ends of crossover between main tracks at east end of the yard, must be operated by a member of the crew, who, together with the engineer, must observe and be governed by their indications before lining switches, fouling main track, or making crossover movement from one main track to the other.		Bridge 29gantlet Philbineast and west siding switch Schley, 2.04 miles west ofMStP&SSM. RR. crossing
Release for eastward route on eastward track is located in release box at westward home signal. Cranks for hand operation of smashboards are attached by chains to the mechanism. If train moving against the current of traffic is stopped by dwarf signal, trainman will operate release located in release box nearest the dwarf signal, and if signal does not indicate proceed when release returns to normal position, trainman may flag train through gantlet making certain that smashboard at opposite end of gantlet is in the reverse position. Philbin: Interlockings at the east and west siding spring switches operate automatically for all movements, except westward movements to the siding at the east switch, and eastward movements to the main track at the west switch, which require hand operation of spring switch. Eastward trains on siding take preference over eastward trains on main track approaching east switch, and westward trains on main track take preference over westward trains on siding approaching west switch. For further information see instructions posted in push button boxes, located at eastward home signal at east switch, and at westward home signal at west switch. Cloquet, Switch Indicators, each consisting of a yellow light unit (normally dark) and a switch-key-controller mounted on an iron mast, located near the east yard switch and both ends of crossover between main tracks at east end of the yard, must be operated by a member of the crew, who, together with the engineer, must observe and be governed by their indications before lining switches, foulling main track, or making crossover movement from one main track to the other.		Release for westward route on westward track is located in re-
Cranks for hand operation of smashboards are attached by chains to the mechanism. If train moving against the current of traffic is stopped by dwarf signal, trainman will operate release located in release box nearest the dwarf signal, and if signal does not indicate proceed when release returns to normal position, trainman may flag train through gantlet making certain that smashboard at opposite end of gantlet is in the reverse position. Philbin: Interlockings at the east and west siding spring switches operate automatically for all movements, except westward movements to the siding at the east switch, and eastward movements to the main track at the west switch, which require hand operation of spring switch. Eastward trains on siding take preference over eastward trains on main track approaching east switch, and westward trains on main track take preference over westward trains on siding approaching west switch. For further information see instructions posted in push button boxes, located at eastward home signal at east switch, and at westward home signal at west switch. Cloquet, Switch Indicators, each consisting of a yellow light unit (normally dark) and a switch-key-controller mounted on an iron mast, located near the east yard switch and both ends of crossover between main tracks at east end of the yard, must be operated by a member of the crew, who, together with the engineer, must observe and be governed by their indications before lining switches, foulling main track, or making crossover movement from one main track to the other.		
dwarf signal, trainman will operate release located in release box nearest the dwarf signal, and if signal does not indicate proceed when release returns to normal position, trainman may flag train through gantlet making certain that smashboard at opposite end of gantlet is in the reverse position. Philbin: Interlockings at the east and west siding spring switches operate automatically for all movements, except westward movements to the siding at the east switch, and eastward movements to the main track at the west switch, which require hand operation of spring switch. Eastward trains on siding take preference over eastward trains on main track approaching east switch, and westward trains on main track take preference over westward trains on siding approaching west switch. For further information see instructions posted in push button boxes, located at eastward home signal at east switch, and at westward home signal at west switch. SWITCH INDICATOR. Cloquet, Switch Indicators, each consisting of a yellow light unit (normally dark) and a switch-key-controller mounted on an iron mast, located near the east yard switch and both ends of crossover between main tracks at east end of the yard, must be operated by a member of the crew, who, together with the engineer, must observe and be governed by their indications before lining switches, fouling main track, or making crossover movement from one main track to the other.		Cranks for hand operation of smashboards are attached by chains to the mechanism.
automatically for all movements, except westward movements to the siding at the east switch, and eastward movements to the main track at the west switch, which require hand operation of spring switch. Eastward trains on siding take preference over eastward trains on main track approaching east switch, and westward trains on main track take preference over westward trains on siding approaching west switch. For further information see instructions posted in push button boxes, located at eastward home signal at east switch, and at westward home signal at west switch. SWITCH INDICATOR. Cloquet, Switch Indicators, each consisting of a yellow light unit (normally dark) and a switch-key-controller mounted on an iron mast, located near the east yard switch and both ends of crossover between main tracks at east end of the yard, must be operated by a member of the crew, who, together with the engineer, must observe and be governed by their indications before lining switches, fouling main track, or making crossover movement from one main track to the other.		dwarf signal, trainman will operate release located in release box nearest the dwarf signal, and if signal does not indicate proceed when release returns to normal position, trainman may flag train through gantlet making certain that smashboard at opposite end of gantlet is in the reverse position.
Cloquet, Switch Indicators, each consisting of a yellow light unit (normally dark) and a switch-key-controller mounted on an iron mast, located near the east yard switch and both ends of crossover between main tracks at east end of the yard, must be operated by a member of the crew, who, together with the engineer, must observe and be governed by their indications before lining switches, fouling main track, or making crossover movement from one main track to the other.		automatically for all movements, except westward movements to the siding at the east switch, and eastward movements to the main track at the west switch, which require hand operation of spring switch. Eastward trains on siding take preference over eastward trains on main track approaching east switch, and westward trains on main track take preference over west- ward trains on siding approaching west switch. For further information see instructions posted in push button boxes, lo- cated at eastward home signal at east switch, and at westward
(normally dark) and a switch-key-controller mounted on an iron mast, located near the east yard switch and both ends of crossover between main tracks at east end of the yard, must be operated by a member of the crew, who, together with the engineer, must observe and be governed by their indications before lining switches, fouling main track, or making crossover movement from one main track to the other.	2.	
See further instructions posted on iron mast.		(normally dark) and a switch-key-controller mounted on an iron mast, located near the east yard switch and both ends of cross-over between main tracks at east end of the yard, must be operated by a member of the crew, who, together with the engineer, must observe and be governed by their indications before lining switches, fouling main track, or making crossover movement from one main track to the other.
		See further instructions posted on iron mast.
		adverse minera minera income and done April 1997 of the control of

FOURTH SUBDIVISION

(Main Line)

1.	MAXIMUM PERMISSIBLE SPEED FOR TRAINS. Between Passenger Cass Lake and Crookston Yard 55 MPH.	
2.	SPEED RESTRICTIONS. Bemidji, through city limits	6 MPH 20 MPH
9	ENGINE RESTRICTIONS ON INDUSTRY TRACKS	

4. TRAIN REGISTER EXCEPTIONS.

Bemidji, Tilden Jct. and Crookston Yard, register only for trains originating and terminating at these stations, except Nos. 35 and 36 will register at Tilden Jct.

5. CLEARANCE PROVISIONS AND EXCEPTIONS RULE 83(B). (a) At K Line Jct., clearance under which Nos. 105 and 107 arrive will clear Nos. 108 and 106, respectively, at that point. (b) Mesabi Division clearance received at Crookston will clear train at Crookston Yard when train order signal indicates proceed.

6. SPEED TEST BOARDS.

Engineers shall test speed of their trains passing following point 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.

7. MANUAL INTERLOCKINGS.

Tilden Jct. N. P. Ry. crossing

8. AUTOMATIC INTERLOCKINGS.

FIFTH SUBDIVISION

(Park Rapids Line)

1. MAXIMUM PERMISSIBLE SPEED FOR TRAINS.

D	iesel or Gas-Electric	Steam
Between	Passenger Freight	Passenger Freight
Park Rapids Jct. and	January L. Combress, vol. 10	
Sebeka		35 MPH 30 MPH
Sebeka and K-Line Jct	35 MPH 30 MPH	25 MPH 25 MPH

2. SPEED RESTRICTIONS. Between Home Signals of Interlockings at: 20 MPH Park Rapids Jct. Wadena.

3. CLEARANCE PROVISIONS AND EXCEPTIONS RULE 83(B). (a) At K Line Jct., clearance under which Nos. 105 and 107 arrive will clear Nos. 108 and 106, respectively, at that point.
(b) Mesabi Division clearance received at Sauk Centre will clear train at Park Rapids Jct.

4. K Line Jct., normal position south wye switch is for west leg of wye.

5. AUTOMATIC INTERLOCKINGS.

SIXTH SUBDIVISION

(Princeton Line)

1. MAXIMUM PERMISSIBLE SPEED FOR TRAINS. Passenger Freight 20 MPH Between Elk River and Milaca Jct. 2. SPEED RESTRICTIONS.

Between Home Signals of Interlocking at Elk River.... 20 MPH 3. CLEARANCE PROVISIONS AND EXCEPTIONS RULE 83(B).

(a) Mesabi Division clearance received at Elk River will clear train at N. P. Ry. Jct. (b) At Milaca Jct., clearance under which Nos. 305 and 315

arrive will clear Nos. 316 and 306, respectively, at that point.

4. SEMI-AUTOMATIC INTERLOCKINGS. Elk River, 0.74 miles west of Complete instructions for operation of interlocking are located at "Release" box.

SEVENTH SUBDIVISION

(Allouez Line)

- 2. SPEED RESTRICTIONS.

 Between Allouez and Saunders, all trains and engines will be governed by Rule 93.
- 3. Double track extends between Allouez and east end Bridge A-9.
- 4. Extra trains will use double track with current of traffic between Allouez and east end Bridge A-9, and also single track between east end Bridge A-9 and Saunders without train orders or clearance where they will receive train orders or clearance.
- Allouez Ore Docks, when doubling two tracks of empty cars, first pull track with the most cars down to clear then double the shorter track to it.

When coupling up a track of cars on the dock and there are cars on the outer end, set sufficient hand brakes, not less than two, on outer cars to hold slack before coupling into them.

- Allouez Ore Dock No. 4, engines moving on Tracks 1 and 2 or 3 and 4 must stop and know there is sufficient side clearance before passing each other.
- 7. SPRING SWITCHES WITHOUT FACING POINT LOCK.

Allouez, Roundhouse wye tracks,
Normal position west switch is for west leg of wye,
north switch is for east leg of wye,
east switch is for north coal chute track.

- 8. MANUAL INTERLOCKINGS.
 Saundersjunction with 1st Subdivision
- 9. MANUAL INTERLOCKINGS WITH DUAL CONTROL SWITCHES.
 Bridge A-9 ______End of double track.

EIGHTH SUBDIVISION

(Casco Line)

1. MAXIMUM PERMISSIBLE SPEED FOR TRAINS.

Between Brookston and Kelly Lake Passenger Freight Bridge 59.3 and Curve 1.50 miles west of Brookston Passenger Freight 35 MPH 15 MPH 15 MPH

NINTH SUBDIVISION

(Chisholm Line)

- 1. SPEED RESTRICTIONS.
 - All trains will approach mining spurs at restricted speed.
- Between Chisholm Jct. and G. N. depot Chisholm, all trains and engines will be governed by Rule 93.
- Between St. Clair Jct. and Chisholm Jct., main track will be used jointly by G. N. and DM&IR. Rys. and authority for train movements is controlled by DM&IR. Ry. and DM&IR rules will govern. Eastward G. N. trains will secure clearance and orders from

Operator at Emmert who must obtain authority from DM&IR. before issuing.

Westward G. N. trains will secure clearance and orders from G. N. Operator at Chisholm who must obtain authority from DM&IR. before issuing.

TENTH SUBDIVISION

(Swan River-Virginia Line)

1. MAXIMUM PERMISSIBLE SPEED FOR TRAINS.

Between	Passenger	Freight
Swan River and Emmert	45 MPH	
Emmert and Virginia	35 MPH	30 MPH

2. SPEED RESTRICTIONS.

Hibbing. North Mitchell. Emmert Tower.

Virginia, D. W. & P., Virmount Tower. D. W. & P., Crescent Ave.

8. CLEARANCE PROVISIONS AND EXCEPTIONS RULE 83(B).
At North Mitchell, Ruby Jet, trains for which these points are

At North Mitchell, Ruby Jct., trains for which these points are initial stations may proceed without a clearance.

- 4. Double track extends between Kelly Lake and Emmert Tower. Trains or engines moving in this territory must keep to the left unless otherwise provided.

 Trains and engines will run with the current of traffic between Kelly Lake and Emmert Tower without train orders or clearance.
- Between Emmert Tower and DM&IR. Jct. east of Scranton Mine Crossing, G. N. double track will be used jointly by DM&IR. trains. G. N. rules and special instructions will govern.
- 6. Hibbing, push button controls located on Griswold Signals at First, Third and Fifth Avenues east for manual control of crossing signals. Instructions covering use of push buttons are posted inside of box. Switch-key-controller located on north side of depot controls signals at Third Avenue east for Westward movements. When a train or engine making westward movement on westward main track is stopped between Fifth and Third Avenues east, and will not foul Third Avenue East, crossing signals may be set clear for highway traffic by inserting switch key in controller and turn to right. After signals have been set clear, they may be changed to indicate "Stop" for highway traffic by inserting switch key in controller and turn to left.
- 7. Between Wilpen Jct., about 2 miles east of Emmert Tower and east end DM&IR. Fraser Yard, DM&IR. trains will use G. N. main track and be governed by G. N. rules and special instructions. Normal position of switches at both points is for G. N. main track. Before fouling main track, DM&IR crews must obtain G. N. clearance.

- 8. Susquehanna Shaft, necessary to shove all empties under the head frame, which will not clear a man on top or side of ore car. Electric lighted sign has been placed about ten feet from the shaft on each of the four tracks under the head frame reading as follows: "Trainmen do not operate past this point. By order of the Minnesota Railroad and Warehouse Commission. (Signed) Superintendent". Crews must stop before shoving under the head frame and brakemen will walk by the shaft to a point where they can give signals in shoving empties onto the tail tracks. Fill the north tail track through the crossover first, as an engine will not go over this crossover. Then fill the south tail track. Will be necessary to pull loads off the south load track before serving the shaft as there is no runaround.
- Virginia, trains and engines must stop before passing over crossing U. S. Highway No. 53, and a member of crew on ground at the crossing will protect movement.
- 10. Virginia, trains or engines going beyond "Stop" sign at Columbia Mine must stop and examine clearance between cars under direct loading pocket and runaround track.
- 11. CROSSOVERS ON DOUBLE TRACK.

Facing Point Hull Crusher Ruby Jct. Trailing Point
Mahoning
Agnew
Scranton
Hibbing, east crossover
Hibbing, west crossover
North Mitchell

12. SPRING SWITCHES WITHOUT FACING POINT LOCK.

Kelly Lake, west switch transfer cinder pit track,
Normal position is for mallet cinder pit track.
roundhouse wye tracks,
Normal position east switch is for mallet cinder pit track,
south switch is for east leg of wye.
west switch is for west leg of wye.

13. MANUAL INTERLOCKINGS.

14. MANUAL INTERLOCKINGS WITH DUAL CONTROL SWITCHES.

15. SWITCH INDICATORS.

Kelly Lake, 2.23 miles east of, at Agnew-Hull Rust Mine Spur, Hibbing, 0.34 miles west of, at DM&IR. Ry. Scrap Iron Spur, Hibbing, 0.31 miles west of, at west switch of G. N. Ry. Industry Track.

Indicator, consisting of a single yellow light unit (normally dark) and a switch-key-controller, mounted on an iron mast located at the clearance point of the turnout, must be operated by a member of the crew who is to line the switch, and who, together with the engineer, must observe and be governed by its indication before fouling the main track or lining the main track switch. See further instructions posted on iron mast.

ELEVENTH SUBDIVISION

(Gunn Line)

1. MAXIMUM PERMISSIBLE SPEED FOR TRAINS.

Between Passenger Freight Kelly Lake and Gunn Passenger 45 MPH 35 MPH

2. SPEED RESTRICTIONS.

Hill Annex Spur. Majorca Mine Spur.

- Between Calumet and oil spur, Coleraine, main track will be used jointly by G. N. and DM&IR. Rys. and authority for train movements is controlled by G. N. Ry. and G. N. rules and Special Instructions will govern.
- 4. Danube Mine Spur, trains must stop not less than fifty (50) feet from grade crossing with blacktop highway. Two members of crew must go out on highway and flag automobile traffic each side of crossing until train movement over grade crossing is completed.

 Automatic block signals of color light type are located at specified points and govern train and engine movements within station limits and approaches thereto.

At Keewatin, Nashwauk and Calumet, block signals govern movements in both directions, except Keewatin to Nashwauk signals are continuous for westward movements only; at Coleraine-Canisteo, block signals govern only westward movements; at Moore, block signal located at east siding switch governs eastward movements to "End of Block" sign.

Block signal located at Mesabi Chief Mine spur normally displays indication, Rule 501 AA and governs movements from spur to main track; after lining switch, if no conflicting movement is evident on main track, movement may be made in accordance with signal indication after complying with Rule 513.

6. SPRING SWITCHES WITH FACING POINT LOCK.

Nashwauk, west storage track switch.
Calumet, west new yard switch.
west old yard switch.
Normal position is for main track.

 SPRING SWITCHES WITHOUT FACING POINT LOCK. Kelly Lake, west wye switch,

Normal position is for 11th Subdivision.

8. SEMI-AUTOMATIC INTERLOCKINGS.

9. SWITCH INDICATORS.

Calumet, switch indicators consisting of a single yellow light unit (normally dark), with a clockwork release and a push button mounted on an iron mast located at the clearance point of the two yard spring switches, must be operated by a member of the train crew who, together with the engineer, must observe and be governed by its indication before fouling main track or making movement from yard track to main track through these spring switches.

Bennett Mine spur, indicator consisting of a single yellow light unit (normally dark) and a switch-key-controller, mounted on an iron mast located at the clearance point of the turnout, must be operated by a member of the crew who is to line the switch, and who, together with the engineer, must observe and be governed by its indication before fouling the main track or lining the main track switch.

See further instructions posted on iron mast at each point.

WATCH INSPECTORS

Yano Bros., 1121 Tower AvenueSuperior, Wis.
L. G. Howatt, 1425 Tower AvenueSuperior, Wis.
Herbert B. Christensen, Inc., 144 E. 5th StreetSt. Paul, Minn.
Olson Jewelry Co., 211 East Hennepin AvenueMinneapolis, Minn.
Oscar P. Gustafson Co., 410 Nicollet-AvenueMinneapolis, Minn.
Pomerleau & Son, 227 East Hennepin AvenueMinneapolis, Minn.
K. K. Thompson
Barker Jewelry, 217 Third StreetBemidji, Minn.
Paul E. Teske
A. J. Vitter
Weber Jewelry & Music Co., 714 St. Germain StreetSt. Cloud, Minn.

SPEED TABLE

Time Min.	Per Mile Sec.	Miles Per Hour	Time Min.	Per Mile Sec.	Miles Per Hour
	Sec. 40 41 42 48 445 46 47 48 49 50 51 52 58 54 55 57 58 9 0 1 2 8 4 5 6 7 8 9	90.0 87.8 85.7 81.8 80.0 78.8 76.6 75.0 73.5 72.0 70.6 69.2 67.9 66.6 65.4 64.2 63.1 62.0 61.0	Min. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12 14 16 18 20 22 24 26 28 30 38 36 39 42 45 50 55	50.0 48.6 47.4 45.0 48.9 42.9 41.9 40.0 38.7 37.5 36.4 35.8 34.8 32.7 31.8 30.0 27.7 22.7
111111111111111111111111111111111111111	5 6 7 8 9	60.0 59.0 58.0 57.1 56.2 55.8 54.5 53.7 52.9 52.1 51.4	5 6 7 8 9 10	80 	20.0 17.1 15.0 12.0 10.0 8.5 7.5 6.7 6.0

Business Tracks not shown as stations on Time Table

19

		Name	Location	Capacity Cars	Switch Opens
		irst Subdivision			
	Ku	ral Coop. Power Ass'n Spur		6	E
	Fe	deral Prison Farm Spur	1.00 miles east of Sandstone	13	W
			0.5 miles east of Milaca	9	w
	Pr	opane Gas Spur	1.0 miles east of Mora	3 6	w
	T	hird Subdivision	The mines cast of Mora		
	Li	dsay Pit	2.0 miles west of Carlton	70	E
	Fli	nt Pit	1.77 miles east of Brookston	120	E
81	Ha	rtley's Spur	1.02 miles west of Island	3	EEEEE
	W	ebster Lumber Co	5.26 miles west of Schley	13	E
		hasset Mill & Lumber Co.	0.50 miles east of Cohasset	9	E
	Ch	ppewa Wood Processing	0 100 !! t D D:		***
	-	ourth Subdivision	0.123 miles east of Deer River	16	W
	Re	noit Pit	2.00 miles west of Benoit	157	w
		ifth Subdivision	2.00 miles west of Denoit	107	. "
	_		2.56 miles west of Wilkinson	9	E
	Re	dwood Rendering Co	1.50 miles west of Long Prairie		E E W
	La	nd O'Lakes Creamery Spur	0.60 miles west of Sebeka	19	w
	Pet	ters Meat Products Spur	0.41 miles west of Long Prairie		W
		enth Subdivision		- A- To -	
	Gr	ant Mine Oil Spur	0.67 miles west of Buhl	6	W E E
	Co	al Spur	2.46 miles east of Buhl	6 3 4	E
	Ne	wcombs Oil Spur	1.00 miles east of Hibbing		E
	Do		1.31 miles east of Hibbing 2.00 miles east of Emmert	18	E&W
	FI	eventh Subdivision	2.00 miles east of Emmert	9	W
			1.00 miles east of Nashwauk	15	E
	Oil	Spur	0.50 miles west of Coleraine.	35	E
- 7			MINE SPIIRS	-	

Name	Location	Opens
Stevenson, Lamberton, Carmi	0.52 miles east Kelly Lake	W
Mahoning, So. Agnew, Pacific Isle	0.72 miles east Kelly Lake	W
Hull Crusher	1.6 miles east Kelly Lake	w
Morton	1.84 miles east Kelly Lake	Ë
No. Agnew.	2.1 miles east Kelly Lake	w
Scranton	*2.43 miles west North Mitchell	w
Susquehanna, Weggum	0.71 miles west North Mitchell	E
Webb, Albany, Longyear	0.81 miles east North Mitchell	E
Dunwoody	1.70 miles east North Mitchell	· W
Wilpen Jct	2.60 miles east Emmert	E
Chataco	0.76 miles west Chisholm	W
Elbern	2.87 miles west Buhl	W
Grant	1.21 miles west Buhl	W
Wabigon	0.25 miles west Buhl	W
Margaret	0.75 miles east Buhl	E
Wanless	1.4 miles east Buhl	E
Kinney, Helmar, Atkins, Wade.	2.94 miles east Buhl	E
Wacootah	3.33 miles west Virginia	E
Hanna, Pilot	2.64 miles west Virginia	E
Columbia	0.47 miles west Virginia	W
Bennett, Russell, Manners, Sec-	9 79 miles west Weller Teles	10
St. Paul, Bennett, Shaft 2	2.73 miles west Kelly Lake 0.25 miles east Keewatin	E
Sargent, Mississippi, St. Paul-	0.25 miles east Keewatin	E
Washer	0.34 miles east Moore	E.
Chieftan	0.40 miles east Moore	E
Mesabi Chief Washer Aromac	0.10 miles case modie	15
Perry	0.50 miles west Moore	w
Hoadley, York, Galbraith, Argonne	0.16 miles east Nashwauk	w
Hawkins	0.37 miles east Nashwauk	E
Harrison-Quinn	0.77 miles west Nashwauk	w
Kevin-Patrick	2.26 miles west Nashwauk	W
Majorca Draper Annex, Barbara	0.73 miles east Calumet:	W
Hill Annex Yard	0.60 miles east Calumet	E
Hill Annex Washer, Hill Trum-		POTE OF
bull Washer	0.70 miles east Calumet	E
Hill	0.36 miles west Calumet	E
Danube, Holman	0.37 miles east Bovey	W
Arcturas	0.25 miles east Holman Jet	W
Rhude Siding Spur	0.57 miles east Holman Jct	E
Holman Fines	1.83 miles east Bovey	Ē
Greenway	2.80 miles east Gunn	W
Canisteo, Buckeye	1.50 miles west Coleraine	W





