

GREAT NORTHERN RAILWAY LINE

**GREAT NORTHERN RAILWAY
SUPERIOR AND MESABI DIVISIONS.**

TIME TABLE No. 13.

TO TAKE EFFECT AT TWELVE-ONE (12:01) O'CLOCK A. M.

SUNDAY, JUNE 3, 1906.

THIS TIME TABLE IS FOR THE USE OF EMPLOYEES ONLY.

DESTROY ALL PREVIOUS TIME TABLES.

J. H. TAYLOR, Superintendent.

D. M. PHILBIN, Asst. General Superintendent.

R. W. BRYAN, General Supt. Transportation.

GEORGE T. SLADE, General Superintendent.

F. E. WARD, General Manager.

THIRD CLASS.			SECOND CLASS.			FIRST CLASS.						Car Capacity of Sidings.	Distance From Duluth.	TIME TABLE No. 13.	
611	609		415	411	407				37	35	33	31	19	17	STATIONS.
Local Freight	Local Freight		Time Freight	Time Freight	Time Freight				Passenger	Passenger	Passenger	Passenger	Passenger	Passenger	
Leave Daily Ex. Sunday	Leave Daily Ex. Sunday		Leave Daily	Leave Daily	Leave Daily				Leave Daily Ex. Sunday	Leave Daily	Leave Daily	Leave Daily Ex. Sunday	Leave Daily	Leave Daily	
									2.20pm	8.15pm	9.30Am	6.20Am	8.50pm	11.15pm	DN.....DULUTH.....DU
									2.25	8.20	9.35	6.25	8.55	11.20	2.2.....BRIDGE SWITCH.....
									s 2.38	s 8.35	s 9.48	s 6.37	s 4.06	s 11.35	4.0 DN-R.....SUPERIOR U. S.....BY
7.15Am	7.05Am		8.55pm	10.30pm	8.45pm										4.5 DN-R.....0.5 BELKNAP ST.....WS
									2.41	8.40	9.51	6.40	4.11	11.40	5.2.....0.7 25TH ST.....
s 7.35	s 7.25		9.12	10.50	8.58				s 2.48	s 8.50	f 9.58	f 6.50	4.16	s 11.55	8.3 D.....3.1 CENTRAL AVE.....SU
s 7.45	s 7.35		9.20	11.00	9.05				f 2.52	8.55	10.01	6.54	4.19	s 12.01Am	10.1 DN.....1.8 SAUNDERS.....B
s 7.55Am	s 7.45 ⁴¹²		9.28pm	11.15	9.17				f 3.00pm	s 9.03pm	10.06Am	6.59	4.23	f 12.08	13.3 DN-R.....3.2 BOYLSTON.....J
	s 8.15			11.50	9.47							s 412 7.10	4.32	s 12.23	69 D.....5.1 DEDHAM.....DM
	s 8.55			17 12.40Am	10.20							s 7.21	610 4.41	s 12.40	145 D.....6.2 FOXBORO.....BO
	s 9.25			1.10	10.50							f 7.31	4.49	s 12.57	65 D.....5.3 HOLYOKE.....HY
	s 10.20			1.40	11.20							s 7.46	s 4.59	s 1.23	145 DN.....6.8 NICKERSON.....NS
	s 10.50			408 2.15	11.35							f 7.58	5.09	s 1.40	70 D.....6.4 KERRICK.....K
	s 11.15			2.35	11.50							s 8.09	f 5.18	s 1.55 ⁴⁰⁸	145 D.....5.7 BRUNO.....UN
	s 12.10pm ²⁰			2.55	12.12Am							f 8.23	5.29	s 2.15	74 D.....8.4 PARTRIDGE.....RD
	12.30pm			18 3.15Am	408 12.35Am							s 8.35Am	s 5.38pm	s 2.30Am	500 DN-R.....6.1 SANDSTONE.....ON
Arrive Daily Ex. Sunday	Arrive Daily Ex. Sunday		Arrive Daily	Arrive Daily	Arrive Daily				Arrive Daily Ex. Sunday	Arrive Daily	Arrive Daily	Arrive Daily Ex. Sunday	Arrive Daily	Arrive Daily	
611	609		415	411	407				37	35	33	31	19	17	
13.2 ⁴⁰	5.25 ^{10.9}		.33 ^{16.0}	4.45 ^{12.4}	3.50 ^{13.3}				.40 ^{20.0}	.48 ^{16.6}	.36 ^{22.2}	2.15 ^{28.1}	1.48 ^{35.2}	3.15 ^{19.5}	Time Over District. Average Speed Per Hour.

WEST BOUND TRAINS ARE SUPERIOR TO EAST BOUND TRAINS OF THE SAME CLASS.

Yard limits extend from Superior to one mile west of Saunders.
Switch at west end of passenger track near 25th St., Superior, is set for passenger trains.
Yard Limit Boards at Sandstone, are placed three-quarters of a mile west of west lead track and three-quarters of a mile east of east end Kettle River bridge.
Extra trains have running rights on double track between 25th St., Superior, and Boylston without orders. Work trains doing work within said limits must procure orders.
Trains between Elevator Station and Bridge Switch will be governed by Duluth and Superior Short Line time table

Double track extends from 25th St., Superior, to Boylston.
First class trains will not cross bridge 16 west of Boylston at a speed greater than thirty (30) miles per hour and other trains at more than fifteen (15) miles per hour. Air must, in all cases, be released before reaching this bridge and not kept set while crossing.
All trains will register at Superior, Boylston and Sandstone. First class trains will register at Boylston by time ticket, Form 1115.
Switch at end of double track Boylston, will be set for Mesabi Division.

TIME TABLE No. 13.			Distance from St. Paul.	Water, Coal, Wyes, Turn Table, Signals, and Crossings.	FIRST CLASS.										SECOND CLASS.			THIRD CLASS.			
STATIONS.					18	20	32	34	36	38						408	412	416	610	612	
					Passenger	Passenger	Passenger	Passenger	Passenger	Passenger						Time Freight	Time Freight	Time Freight	Local Freight	Local Freight	
					Arrive Daily	Arrive Daily	Arrive Daily Ex. Sunday	Arrive Daily	Arrive Daily	Arrive Daily Ex. Sunday						Arrive Daily	Arrive Daily	Arrive Daily.	Arrive Daily Ex. Sunday	Arrive Daily Ex. Sunday	
DN-R.	DULUTH	DU	159.9	TO	6.10Am	2.00Pm	9.50Pm	6.30Pm	7.10Am	12.20Pm											
	2.2 BRIDGE SWITCH		157.7		6.03	1.55	9.45	6.25	7.05	12.15											
DN-R.	SUPERIOR U. S.	BY	155.9	s	5.50	s 1.41	s 9.33	s 6.12	s 6.52	s 12.02Pm											
DN-R.	0.5 BELKNAP ST.	WS	155.4	WCTO										4.30Am	8.15Am	9.15Pm	6.00Pm	7.30Pm			
	0.7 25TH ST.		154.7		5.40	1.35	9.22	6.05	6.44	11.54											
D.	3.1 CENTRAL AVE.	SU	151.6	X s	5.32	1.28	f 9.12	f 5.58	s 6.35	s 11.45				4.10	7.55	8.55	s 5.35	f 7.10			
DN.	1.8 SAUNDERS.	B	149.8	W s	5.26	1.25	9.08	f 5.55	6.32	f 11.41				4.02	7.45	8.45	s 5.25	7.00			
DN R	3.2 BOYLSTON.	J	146.6	s	5.18	1.20	s 9.03	f 5.50Pm	s 6.25Am	f 11.35Am				3.55	⁶⁰⁹ 7.30	8.25Pm	s 5.15	6.46Pm			
D.	5.1 DEDHAM.	DM	141.5	W s	5.07	1.10	s 8.53							3.40	³¹ 7.10		s 5.00				
D.	6.2 FOXBORO.	BO	135.3	s	4.53	f 1.01	s 8.42							3.20	6.44		s ¹⁹ 4.41				
D.	5.3 HOLYOKE.	HY	130.0	W s	4.42	12.52	s 8.31							3.00	6.28		s 3.55				
DN.	6.8 NICKERSON.	NS	123.2	W s	4.30	s 12.42	s 8.19							2.35	6.07		s 3.30				
D.	6.4 KERRICK.	K	116.8	s	4.18	12.32	f 8.06							⁴¹¹ 2.15	5.49		s 3.00				
D.	5.7 BRUNO.	UN	111.1	W s	3.58	s 12.23	s 7.55							¹⁷ 1.55	5.31		s 2.35				
D.	8.4 PARTRIDGE.	RD	102.7	s	3.36	⁶⁰⁹ 12.10	s 7.33							1.25	5.05		s 2.00				
DN-R.	6.1 SANDSTONE.	ON	96.6	WCTO s	⁴¹¹ 3.20Am	s 12.01Pm	s 7.25Pm							⁴⁰⁷ 12.50Am	4.30Am		1.20Pm				
					Leave Daily	Leave Daily	Leave Daily Ex. Sunday	Leave Daily	Leave Daily	Leave Daily Ex. Sunday				Leave Daily	Leave Daily	Leave Daily	Leave Daily Ex. Sunday	Leave Daily Ex. Sunday			
					18	20	32	34	36	38				408	412	416	610	612			
Time Over District					2.50	1.59	2.25	.40	.45	.45				3.40	3.45	.50	4.40	.44			
Average Speed Per Hour					22.3	31.6	26.2	20.0	17.7	17.7				16.0	15.7	10.4	12.6	11.7			

WEST BOUND TRAINS ARE SUPERIOR TO EAST BOUND TRAINS OF THE SAME CLASS.

When on time, No. 36 will transfer passengers for No. 31, at Central Avenue.

When late, if connection is made at Boylston, transfer will be made there.

No. 32 will transfer passengers for No. 35 at Boylston.

Trains between Elevator Station and Bridge Switch will be governed by Duluth and Superior Short Line time table.

Duquette is regular stop for Trains 31 and 32.

THIRD CLASS.			SECOND CLASS.			FIRST CLASS.											Car Capacity of Stations.	Distance From Duluth.	TIME TABLE No. 13.		
	519	507			407										31	19			17	IN EFFECT JUNE 3, 1906.	
	Local Freight	Local Freight			Time Freight										Passenger	Passenger			Passenger		
	Leave Daily Ex. Sunday	Leave Mon., Wed., Friday			Leave Daily										Leave Daily Ex. Sunday	Leave Daily			Leave Daily		
	4.30Am	8.45Am			⁴⁰⁸ 12.55Am										s 8.35Am	s 5.38Pm	s 2.30Am	500	63.3	DN-R.....SANDSTONE.....ON	
	s 5.10	s 9.15			1.20										s 8.53	s 5.50	s ¹⁸ 2.53	74	71.9	D-R..... ^{8.6} HINCKLEY.....H	
	s 5.50Am	s 9.45			1.45										9.10Am	s 6.02	s 3.13	68	80.5	DN-R..... ^{8.6} BROOK PARK.....BK	
		s 10.05			¹⁸ 2.17											6.10	s 3.25	69	85.8	 ^{5.3} CORNELL.....CN	
		s 10.30			2.33											s 6.18	s 3.38	69	91.3	D..... ^{5.5} GRASSTON.....SA	
		^{10 58} ^{11 38} ²⁰			2.50											s 6.26	s 3.50	75	96.6	D..... ^{5.3} BRAHAM.....RA	
		⁵⁰⁸ s 12.10Pm			3.10											s 6.36	s 4.02	69	102.5	D..... ^{5.9} GRANDY.....SD	
		s 1.10			3.27											s 6.47	s 4.15	69	107.4	DN..... ^{4.9} CAMBRIDGE.....CA	
		s 1.45			3.43											s 6.58	s 4.27	70	113.1	D..... ^{5.7} ISANTI.....IS	
		s 2.10			4.00											s 7.09	s 4.42	69	119.1	D..... ^{6.0} BETHEL.....BE	
		f 2.35			4.20											7.18	f 4.56	70	125.2	 ^{6.1} CEDAR.....CD	
		f 3.15			4.40											7.27	f 5.10	70	131.2	 ^{6.0} ANDOVER.....DO	
		s 4.00Pm			5.00Am											s 7.37Pm	s 5.28Am	69	136.9	DN-R..... ^{5.7} COON CREEK JCT.....CK	
	Arrive Daily Ex. Sunday	Arrive Mon. Wed., Friday			Arrive Daily										Arrive Daily Ex. Sunday	Arrive Daily	Arrive Daily		159.9	 ^{23.0} ST. PAUL.....	
	519	507			407										31	19	17				
	1.20 12.9	7.15 10.2			4.5 18.0										³⁵ 29.5	1.59 37.1	2.55 25.2			Time Over District. Average Speed Per Hour.	

WEST BOUND TRAINS ARE SUPERIOR TO EAST BOUND TRAINS OF THE SAME CLASS.

Yard limit boards at Sandstone are placed three-quarters of a mile west of west lead track and three-quarters of a mile east of east end Kettle River bridge.
Double track extends from Hinckley to Brook Park.
All west bound trains will register at Sandstone, Hinckley Tower, Brook Park and Coon Creek Junction
Trains between Coon Creek Junction and St. Paul will be governed by Terminals Division time table.

All east bound trains will register at Coon Creek Junction, Brook Park and Sandstone. First class trains will register at Hinckley Tower, and No. 19 at Brook Park, by time ticket, Form 1115. Switch at end of double track at Hinckley will be set for west bound trains. Switch at end of double track at Brook Park will be set for east bound Superior Division trains.

SUPERIOR DIVISION—SANDSTONE AND COON CREEK JUNCTION.

EAST BOUND. 5

TIME TABLE No. 13. IN EFFECT JUNE 3, 1906.			Distance From St. Paul.	Water, Coal, Wye, Turn Table, Scales and Crossings.	FIRST CLASS.								SECOND CLASS.			THIRD CLASS.		
STATIONS.					18	20	32							408			508	520
					Passenger	Passenger	Passenger							Time Freight			Local Freight	Local Freight
					Arrive Daily	Arrive Daily	Arrive Daily Ex. Sunday							Arrive Daily			Arrive Tues., Thurs. and Sat.	Arrive Daily Ex. Sunday
DN-R.....	SANDSTONE.....	ON	96.6	WCTO	s 3.20Am	s 12.01Pm	s 7.25Pm											
D-R.....	HINCKLEY.....	H	88.0	X	s 17	s 11.44	s 7.05									s 8.00Pm	6.35Pm	
					s 2.53													
DN-R.....	BROOK PARK.....	BK	79.4	W	s 2.30	s 11.30	s 6.50Pm									s 2.25	s 6.10	
	CORNELL.....	CN	74.2		f 407 2.17	11.21										s 1.55	s 5.45Pm	
D.....	GRASSTON.....	SA	68.7	W	s 2.05	s 11.12										s 1.30		
D.....	BRAHAM.....	RA	63.3		s 1.58	s 507 11.03										s 1.10		
D.....	GRANDY.....	SD	57.5		s 1.40	s 10.52										s 10.54	s 12.45	
DN.....	CAMBRIDGE.....	CA	52.5	W	s 1.30	s 10.44										s 12.37	s 507 12.10Pm	
D.....	ISANTI.....	IS	46.9		s 1.14	s 508 10.34										s 10.28	s 20 10.34	
D.....	BETHEL.....	BE	40.8	W	s 1.00	s 10.25										s 10.08	s 9.30	
	CEDAR.....	CD	34.7		f 12.45	10.16										s 9.52	s 9.30	
	ANDOVER.....	DO	28.8	W	f 12.32	10.08										s 9.35	f 8.47	
DN-R.....	COON CREEK JCT.....	CK	23.0	X	s 12.20Am	s 10.00Am										s 9.20	f 8.23	
	ST. PAUL.....				11.10Pm	9.00Am										s 9.00Pm	s 8.00Am	
					Leave Daily	Leave Daily	Leave Daily Ex. Sunday									Leave Daily	Leave Tues., Thurs. and Sat.	
					18	20	32									408	508 520	
Time Over District. Average Speed Per Hour					3.0 24.5	2.1 36.8	.35 29.5									3.35 20.5	7.00 10.5 .50 20.7	

WEST BOUND TRAINS ARE SUPERIOR TO EAST BOUND TRAINS OF THE SAME CLASS.
Stanchfield is a flag station for Nos. 17 and 18.
Trains between Coon Creek Junction and St. Paul will be governed by Terminals Division time table.

WEST BOUND.

D. S. & W. T. CO.

EAST BOUND.

THIRD CLASS.		SECOND CLASS.		FIRST CLASS.			Car Capacity of Sidings.	Distance From Allouez.	TIME TABLE No. 13.		Distance From Saunders.	Water, Coal, Wye, Turn Table, Scales, and Crossings.	FIRST CLASS.			SECOND CLASS.		THIRD CLASS.			
									STATIONS.												
							200	5.0	DN-R.....ALLOUEZ.....BJ	5.0	W CTOX										
									DN-R.....5.0 SAUNDERS.....B		W										
									Time Over District. Average Speed Per Hour												

WEST BOUND TRAINS ARE SUPERIOR TO EAST BOUND TRAINS OF THE SAME CLASS.
All trains over D. S. & W. T. Co. will register at Allouez and Saunders.

THIRD CLASS.			SECOND CLASS.		FIRST CLASS.			Car Capacity of Siding.	Distance From Duluth.	TIME TABLE No. 13. IN EFFECT JUNE 3, 1906.		Distance From Cass Lake.	Water, Coal, Wye, Turntables, Scales, and Crossings.	FIRST CLASS.			SECOND CLASS.		THIRD CLASS.		
611			415		37	35	33							34	36	38		416			612
Local Freight			Time Freight		Passenger	Passenger	Passenger			STATIONS.				Passenger	Passenger	Passenger		Time Freight			Local Freight
Leave Daily Ex. Sunday			Leave Daily		Leave Daily Ex. Sunday	Leave Daily	Leave Daily							Arrive Daily	Arrive Daily	Arrive Daily Ex. Sunday		Arrive Daily			Arrive Daily Ex. Sunday
7.55Am			9.28Pm		f 3.00Pm	s 9.03Pm	10.06Am		13.3	DN-R	BOYLSTON.....J	149.4		f 5.50Pm	s 6.25Am	f 11.35Am		8.25Pm			f 6.46Pm
f 8.15			9.45		f 3.10	9.12	10.18	100	19.2		5.9 DEWEY.....	143.5		f 5.39	6.10	f 11.24		8.03			f 6.26
f 8.40			10.15		3.15	9.20	10.26		22.0		2.8 STATE LINE.....	140.7	W	5.34	6.02	11.19		7.54			f 6.16
8.53			10.25		f 3.17	f 9.22	10.28		25.1	DN-R	1.0-3.1 STATE LINE TOWER.....S	139.7	X	5.33	f 6.01	f 11.18		7.50			6.12
f 9.10			10.40		f 3.24	9.35	10.37		28.6		3.5 HUSON.....U	136.2		5.24	5.50	f 11.08		7.35			f 6.00
f 9.30			10.55		f 3.32	9.45	10.46		32.0	DN	3.4 WINGATE.....WR	132.8		5.16	5.40	f 11.01		7.20			s 5.41
s 10.03			11.05		s 3.37	s 9.52	s 10.51	62	34.7	DN	2.7 CARLTON.....A	130.1	WX	s 5.11	s 5.35	s 10.56		7.10			s 5.31
f 10.20					s 3.46	s 10.01	s 11.00		38.3	D	3.6 SCANLON.....SN	126.5		s 5.02	s 5.26	s 10.47		6.55			f 5.16
s 10.50			11.35		s 3.54	s 10.10	s 11.10	175	41.1	D	2.8 CLOQUET.....KN	123.7	O	s 4.56 612	s 5.20	s 10.41		6.40			s 4.56 34
11.00			11.50		3.57	10.13	11.13		42.3	N	1.2 NORTH END.....HN	122.5	W	4.51	5.13	10.36		6.10			f 3.40
f 11.10					f 4.05				46.0		2.7 NAGONAB.....NA	118.8				f 10.31					f 3.25
33 11.27			12.10Am		4.10	10.24	611 11.27	82	49.1		3.1 DRACO.....	115.7		4.39	5.00	10.25		5.50			8.15
f 11.47			12.20		f 4.15	f 10.30	11.33		52.0	D	2.9 BREVATOR.....BV	112.8		4.34	f 4.55	f 10.20		5.40			f 3.00
s 12.45Pm			12.40		s 4.23 34	s 10.45	s 11.45	112	57.7	DN-R	5.7 BROOKSTON.....X	107.1	WCY	s 4.24 37	s 4.45	s 10.10		5.15			s 2.30
f 1.10			1.00		416 4.40	10.55	11.55	70	64.2		6.5 CONGO.....CT	100.6		416 4.11	4.30	9.55		4.40 4.05 37 34			f 1.55
					f 4.43	f 10.58			65.6		1.4 PAUPORES.....	99.2			f 4.27	f 9.52					
f 1.30 612			1.17		f 4.51	f 11.04	12.04Pm	145	70.2		4.6 GOWAN.....GW	94.6		4.01	f 4.20	f 9.45		3.45			611 1.30
s 2.00 3.00 416			1.33		s 5.02	s 11.14	s 12.14	70	75.5	DN	5.3 FLOODWOOD.....OD	89.3	W	s 3.50	s 4.10	s 9.35		611 3.00			s 1.00
f 3.39 34			1.51		f 5.14	11.25	612 12.25	145	81.6		6.1 ISLAND.....DX	83.2		f 3.39 611	3.58	f 9.25		2.30			f 12.25Pm 33
f 4.00			2.11		f 5.27	11.39	12.39	72	83.3		6.7 WAWINA.....WI	76.5		3.25	3.45	f 9.14		2.05			f 11.55
4.30Pm			2.25Am		s 5.35Pm	s 11.46Pm	s 12.46Pm	149	92.1	DN-R	3.8 SWAN RIVER.....WA	72.7	W CYX	s 3.19Pm	s 3.38Am	9.07Am		1.45Pm			s 11.30Am
Arrive Daily Ex. Sunday			Arrive Daily		Arrive Daily Ex. Sunday	Arrive Daily	Arrive Daily							Leave Daily	Leave Daily	Leave Daily Ex. Sunday		Leave Daily			Leave Daily Ex. Sunday
611			415		37	35	33							34	36	38		416			612
8.35 9.2			4.57 15.8		2.35 29.7	2.43 27.9	2.40 28.7			Time Over District. Average Speed Per Hour				2.31 30.7	2.47 27.9	2.28 30.8		6.40 11.5			7.16 10.6

WEST BOUND TRAINS ARE SUPERIOR TO EAST BOUND TRAINS OF THE SAME CLASS.

Yard limit boards at Cloquet are placed 2000 feet west of North End water tank and one and one-half (1½) miles east of passenger depot. Yard limit boards are placed one (1) mile each way from Brookston depot.

All trains must approach Cloquet and Swan River under full control, expecting to find switch engines using main track.

Double track extends from Boylston to Brookston except gauntlet over bridge six at mile post 29 which is governed by interlocking signals.

Switches at end of double track on Mesabi Division will be set for east bound trains.

Trains 33, 35 and 37 will use east bound track between State Line and State Line Tower and will register at State Line Tower.

Extra trains have running rights on double track between Boylston and Brookston without orders. Work trains doing work within said limits must procure orders.

All east bound trains will register at Swan River, Brookston, and Boylston.

All west bound trains will register at Brookston and Swan River.

All first class trains will register by time ticket, Form 1115, at Boylston.

West bound extras will take siding for east bound extras at meeting point.

WEST BOUND.

MESABI DIVISION—SWAN RIVER AND CASS LAKE.

EAST BOUND. 7

THIRD CLASS.		SECOND CLASS.		FIRST CLASS.				Car Capacity of Siding.	Distance from Duluth.	TIME TABLE No. 13.		Distance from Cass Lake.	Water, Coal, Wye, Turn Table, Scales, and Crossings.	FIRST CLASS.				SECOND CLASS.		THIRD CLASS.	
	613		415			35	33			IN EFFECT JUNE 3, 1906				34	36			416		612	
	Local Freight.		Time Freight.			Passenger.	Passenger.			STATIONS				Passenger	Passenger			Time Freight		Local Freight	
	Leave Daily Ex. Sunday.		Leave Daily			Leave Daily.	Leave Daily.							Arrive Daily	Arrive Daily			Arrive Daily		Arrive Daily Ex. Sunday	
	6.00Am		2.50Am			s 11.46Pm	s 12.46Pm	149	92.1	DN-R.....SWAN RIVER.....WA	72.7	WCYx	s 3.19Pm	s 3.38Am		1.15Pm		s 11.10Am			
									97.1	5.0.....FEELEY.....	67.7										
	f 6.45		36 3.25			f 11.56	s 416 12.56	90	98.1	D.....1.0.....VERNA.....FS	66.7		s 3.09	f 415 3.25		33 12.56		f 10.35			
	f 7.10		3.55			f 12.05Am	s 1.05	70	104.1	6.0.....BLACKBERRY.....	60.7		s 2.59	f 3.12		12.20Pm		f 10.15			
	7.35 10.00 612		4.25			s 12.25	s 1.25	70	111.6	DN.....7.5.....GRAND RAPIDS.....GR	53.2	W	s 2.48	s 2.58		11.50		s 613 9.45			
	s 10.45		4.45			f 12.35	s 1.35		116.4	D.....4.8.....COHASSET.....CH	48.4		s 2.36	s 2.47		11.05		s 8.55			
	f 416 10.55		4.55			12.40	1.40	71	118.7	2.3.....HULL.....	46.1		2.32	2.42		613 10.55		f 8.25			
						12.45	f 1.45		120.8	2.1.....WELLERS SPUR.....	44.0		f 2.28								
	s 12.30Pm		5.20			s 12.58	s 1.56	82	125.7	DN.....4.9.....DEER RIVER.....RI	39.1	WX	s 2.20	s 2.30		10.15		s 8.00			
									130.4	4.7.....DUMAS.....	34.4										
	f 1.30		5.42			f 1.10	f 34 2.08	70	132.5	2.1.....BALL CLUB.....	32.3		f 33 2.08	f 2.10		9.40		s 7.10			
	f 34 1.55		6.03			1.24	2.22	70	139.1	6.6.....NUSHEKA.....	25.7		613 1.55	1.57		9.20		f 6.45			
	f 33 2.36		612 6.25			s 36 1.45	s 613 2.36	70	145.8	DN.....6.7.....BENA.....BA	19.0	W	s 1.40	s 35 1.45		9.00		s 415 6.25			
	f 3.05		6.47			1.56	f 2.50	68	152.9	7.1.....SCHLEY.....	11.9		f 1.25	1.34		8.30		f 5.42			
	f 3.30		7.07			2.06	f 3.04	70	160.0	7.1.....CUBA.....	4.8		f 1.14	1.23		8.05		f 5.19			
	3.45Pm		416 7.30Am			2.15Am	3.15Pm	704	164.8	DN-R.....4.8.....CASS LAKE.....CS		W CYTO	1.05Pm	1.15Am		415 7.30Am		5.00Am			
	Arrive Daily Ex. Sunday		Arrive Daily			Arrive Daily	Arrive Daily						Leave Daily	Leave Daily		Leave Daily Ex. Sunday					
	613		415			35	33						34	36	416		612				
	9.45 7.5		4.40 15.6			2.29 29.1	2.29 29.1			Time Over District Average Speed Per Hour			2.14 32.3	2.23 30.1	5.45 12.7		6.25 11.3				

WEST BOUND TRAINS ARE SUPERIOR TO EAST BOUND TRAINS OF THE SAME CLASS.

Yard limit board at Cass Lake is placed one (1) mile east of depot.
All trains must approach Swan River and Cass Lake under full control, expecting to find switch engines using main track.
Draw bridges over Ball Club River west of Dumas, and Mississippi River, west of Ball Club.

All trains will register at Swan River and Cass Lake.
West bound extras will take siding for east bound extras at meeting point.

THIRD CLASS.			FIRST CLASS.						Car Capacity of Siding.	Distance From Virginia.	TIME TABLE No. 13.		Distance From Swan River.	Water, Coal, Wye, Turn Tables, Scales and Crossings.	FIRST CLASS.					THIRD CLASS.		
617					117	115	113	IN EFFECT JUNE 3, 1906.							114	116	118	618				
Local Freight					Passenger	Passenger	Passenger	STATIONS.							Passenger	Passenger	Passenger	Local Freight				
Leave Daily Ex. Sunday					Leave Daily Ex. Sunday	Leave Daily Ex. Sunday	Leave Daily Ex. Sunday								Arrive Daily Ex. Sunday	Arrive Daily Ex. Sunday	Arrive Daily Ex. Sunday	Arrive Daily Ex. Sunday				
	10.00Am						7.00Am	143		D-R.....	VIRGINIA.....	VA	51.7	WYX	7.50Pm					9.30Am		
f	10.15						7.07		4.0	.....	4.0	IROQUOIS.....	47.7		f	7.35				f	9.00	
f	10.25						7.10	49	5.4	.....	1.4	CARDIFF.....	46.3		f	7.31				f	8.52	
f	10.28						7.12		5.8	.....	0.4	KINROSS.....	45.9	X	f	7.30				s	8.50	
s	10.35						7.15	163	6.7	DN-R.....	0.9	ELLIS.....	45.0	WCY	s	7.26				s	8.45	
f	10.45						7.22	30	10.4	.....	3.7	LUCKNOW.....	41.3		f	7.18				f	8.35	
s	11.00						7.30	120	11.8	D.....	1.4	BUHL.....	39.9		s	7.14				s	8.30	
s	11.05						7.34		14.6	DN-R.....	2.8	FLANDERS.....	37.1			7.09				s	8.05	
s	11.20						⁶¹⁸ 7.39	174	16.2	D.....	1.6	CHISHOLM.....	35.5	W	s	7.05				s	¹¹³ 8.00 7.34	
	11.45						7.53		19.6	.....	3.4	EMMERT YARD.....	32.1	Y		6.50					7.00	
									20.2	.....	0.6	D. M. & N. RY. CROSSING.....	31.5									
	11.49						7.56		20.3	.....	0.1	MITCHELL.....	31.4			6.47					6.56	
s	12.45Pm						8.00Pm	76	22.0	D-R.....	1.7	HIBBING.....	29.7	OX	s	6.40	7.40Am	6.25Pm		s	6.45	
						s	7.06		23.8	.....	1.8	AGNEW JUNCTION.....	27.9		s	6.30	s	7.34	s	6.19		
f	1.15					s	7.13Pm	500	25.9	DN-R.....	2.1	KELLY LAKE.....	25.8	WCY	s	6.24	s	7.28Am	s	6.18Pm	s	5.55
f	1.30						8.23	70	30.8	.....	4.9	LEIGHTON.....	20.9		f	6.14				f	5.30	
f	1.35						8.29	45	34.2	.....	3.4	STUART.....	17.5		f	6.08				f	5.20	
f	1.45						8.34	69	37.1	D.....	2.9	BENGAL.....	14.6	W	s	6.03				s	5.10	
f	2.05						8.45	29	42.7	.....	5.6	ACROPOLIS.....	9.0		f	5.52				f	4.55	
s	2.15						8.51	81	45.5	.....	2.8	GOODLAND.....	6.2		s	5.47				s	4.50	
	2.35Pm						9.05Am	149	51.7	DN-R.....	6.2	SWAN RIVER.....		WCY		5.37Pm					4.30Am	
	Arrive Daily Ex. Sunday						Arrive Daily Ex. Sunday									Leave Daily Ex. Sunday	Leave Daily Ex. Sunday	Leave Daily Ex. Sunday			Leave Daily Ex. Sunday	
	617						117					115				114	116	118			618	
	4.35 11.3						.13 18.0					.13 18.0				2.13 23.5	.12 19.5	.12 19.5			5.00 10.3	
Time Over District Average Speed Per Hour.																						

WEST BOUND TRAINS ARE SUPERIOR TO EAST BOUND TRAINS OF THE SAME CLASS.

Yard limit board, Nashwauk, is placed one mile east of depot.
Yard limit boards, Swan River, are placed one (1) mile from R. R. Crossing in each direction.
All trains will register at Swan River, Ellis, Virginia, Brookston, Kelly Lake, Flanders, Nashwauk and Hibbing.
Switches on wye at Ellis will be kept set for Brookston-Swan River Line, except one on north leg which will be kept set for Swan River-Virginia Line.

All trains must approach Swan River, Kelly Lake, Agnew Junction, Hibbing, Chisholm, Flanders, Buhl, Virginia and all mining spurs under full control, expecting to find switch engines using main track.
No. 618 has right over No. 617 Swan River to Virginia. West bound extras will take passing track for east bound extras at meeting points.
Trains between Hibbing and Mitchell will be governed by D. M. & N. Ry. time table.

CAPACITY OF ENGINES IN ADDITION TO WEIGHT OF ENGINES, TENDERS, AND CABOOSES.

STATIONS.	Ruling Grade	Class F 4-1095-1099 " F 5-1100-1109 " F 6-1110-1129 " F 7-1130-1139 " F 8-1140-1199 " F 9-1300-1324				Class F 3-701 " G 2-700-719 " G 3-720-769 " G 4-770-779				Class F 1-500-565 " F 2-595-599				Class D 5-450-476				Class D 4-400-426				Class D 1-360 " D 2-300-359 " D 3-297				Class B 20-197-206 " B 21-207-225 " B 22-226-230			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Superior to Sandstone.....	.4	2225	2000	1775	1675	1700	1525	1350	1275	1425	1275	1150	1075	1400	1250	1125	1050	1300	1175	1050	1000	1150	1025	925	875	950	850	750	725
Sandstone to Minneapolis Jct.....	.4	3125	2800	2500	2350	2500	2250	2000	1875	1725	1550	1375	1300	1700	1525	1350	1275	1650	1475	1325	1250	1450	1300	1150	1075	1100	1000	875	825
Minneapolis Jct. to Sandstone.....	.4	3125	2800	2500	2350	2500	2250	2000	1875	1725	1550	1375	1300	1700	1525	1350	1275	1650	1475	1325	1250	1450	1300	1150	1075	1100	1000	875	825
Sandstone to Superior.....	.4	2875	2600	2300	2150	2300	2075	1850	1725	1725	1550	1375	1300	1650	1475	1325	1250	1550	1400	1250	1175	1300	1175	1050	1000	1025	925	825	775
Superior to Cloquet.....	.4	2125	1900	1700	1600	1700	1525	1350	1275	1350	1225	1075	1000	1325	1200	1050	1000	1225	1100	925	850	1075	975	850	800	850	775	675	650
Cloquet to Cass Lake.....	.4	2675	2400	2150	2000	2300	2075	1850	1725	1725	1550	1375	1300	1700	1525	1350	1275	1650	1475	1325	1250	1450	1300	1150	1075	1100	1000	875	825
Cass Lake to Superior.....	.4	3125	2800	2500	2350	2500	2250	2000	1875	1925	1725	1550	1450	1850	1675	1475	1400	1800	1625	1450	1350	1550	1400	1250	1175	1200	1075	950	900
Kelly Lake to Ellis Ore Service.....	.6	3055	2755	2430	2240	2430	2180	1930	1805	1865	1665	1485	1355	1790	1615	1440	1365	1690	1515	1365	1265	1490	1340	1190	1115	1140	1040	915	765
Ellis to Brookston Ore Service.....	.4	3845	3505	3180	3030	3215	2970	2720	2595	2650	2445	2270	2145	2180	2020	1765	1640	2100	1890	1700	1585	1890	1765	1585	1390	1500	1390	1260	1135
Brookston to Allouez Ore Service.....	.4	4725	4425	4100	3910	4100	3850	3600	3475	3535	3335	3155	3025	2390	2180	2000	1890	2330	2130	1950	1830	2080	1890	1765	1700	1700	1575	1450	1385
Allouez to Ellis Ore Service.....	.6	1500	-----	-----	-----	1500	-----	-----	-----	1300	-----	-----	-----	1100	-----	-----	-----	1100	-----	-----	-----	1000	-----	-----	-----	900	-----	-----	-----
Swan River to Virginia.....	1.7	1300	1175	1050	975	1000	900	800	750	800	725	650	600	750	675	600	550	600	550	475	450	500	450	400	375	400	350	325	300
Virginia to Swan River.....	1.0	2000	1800	1600	1500	1500	1350	1200	1125	1200	1075	950	900	1175	1050	950	875	1050	950	850	800	950	850	750	725	600	550	475	475

WEATHER RATING { 1—When temperature is 25 degrees above zero or over.
2—Very frosty or wet. 5 to 25 above zero.
3—Five degrees above to 10 below zero.
4—Ten below zero and colder.

Chief Train Dispatcher may increase or decrease above rating as it may be found necessary.
The following will govern when handling empty cars: With ten or less empty cars in a train no allowance will be made for wheel friction; with 10 to 20 empty cars in a train, add to actual weight 5 tons for each empty car for wheel friction; with more than 20 empty cars in a train add 6 tons per car for wheel friction.

Average Weights of Empty Cars will be estimated as follows when not marked:	
Box Cars, 28 to 30 foot.....	11 Tons
Box Cars, 33 foot.....	12 Tons
Box Cars, 34 foot.....	13 Tons
Box Cars, 36 foot.....	16 Tons
Box Cars, 40 foot.....	15 Tons
Refrigerators.....	20 Tons
Furniture, 30 to 40 foot.....	17 Tons
Furniture, 40 to 50 foot.....	19 Tons
Cabooses, 8 wheel.....	17 Tons
Cabooses, 4 wheel.....	10 Tons
Flat Cars, 28 to 30 foot.....	9 Tons
Flat Cars, 33 and 34 foot.....	11 Tons
Flat Cars, 40 foot.....	12 Tons

Coal Cars.....	12 Tons
Gondola Cars.....	13 Tons
Oil Tanks.....	15 Tons
Ballast Cars.....	12 Tons
Steam Wreckers.....	75 Tons
Engine Tank, (empty).....	30 Tons
Standard Engine and Tank.....	81 Tons
Small Mogul Engine and Tank.....	102 Tons
Large Mogul Engine and Tank.....	108 Tons
Consolidation Engine and Tank.....	111 Tons
Mail.....	25 Tons
Baggage.....	30 Tons
Coaches, 8 wheel.....	30 Tons
Coaches, 12 wheel.....	35 Tons
Dining Cars.....	40 Tons
Sleeping Cars.....	41 Tons
Ore Cars—Wood 12—Steel.....	15 Tons

Yardmasters will at all times make up trains in accordance with the above instructions.

West Bound Trains are superior to East Bound Trains of the same Class.

1. All span bridges must be carefully approached and run over at reduced speed.

2. On double tracks all trains will take left hand track, except as provided for in special rules or orders, or when necessary to cross over to do work at stations.

3. Empty flat and coal cars must be hauled behind all loaded cars and empty box, stock and refrigerator cars.

4. Cars must not be left on passing tracks without authority from superintendent.

5. Clocks regulated to Standard time located at Dispatcher's office, Superior, at Cass Lake, Sandstone, Dispatcher's office, Kelly Lake and Scale House Allouez.

6. Conductor's must not allow passengers to ride on any freight train, except Nos. 507, 508, 617, 618 and Nos. 612 and 613 west of Swan River, without special permit from superintendent.

7. When engines of freight trains having thirty or more cars are obliged to take water, train will stop before reaching tank. Brakeman will cut train between first car and engine, allowing engine to go to tank.

8. Yard limits must not be entered by trains except under full control, and within limits passenger trains or light engines will not exceed a speed of fifteen miles per hour, and freight or work trains a speed of ten except per schedule.
9. Although not provided for by book of rules, operators must block trains five minutes apart by turning train order board immediately after rear of train has passed same three hundred feet.

10. Car capacity of side tracks does not include house and industry tracks and is based on forty feet per car. No allowance for engine and caboose.

11. Railroad crossings not protected by interlocking apparatus located at; 2.4 miles west of Chisholm, (D. M. & N. Ry.). 0.7 mile east of Cardiff, (M. S. Railway). Swan River. Deer River, (M. & R. R. Ry.). 1.8 miles east of Malden (M. S. Ry.). Virginia (D. V. & R. L.).

12. In crossing N. P. railway at Central Ave., State Line Tower, Carlton, Hinckley and Coon Creek Junction; The D.M. & N. Ry. at Gratwick and Emmert; The C. St. P. M. & O. Ry. at Allouez, trains will be governed by home and distant signals of interlocking apparatus. When distant signal is in horizontal position or shows red and green lights, trains may pass it, but must be prepared to stop before reaching home signal. When home signal is in a horizontal position, or shows a red light, no train must pass it. When both distant and home signals are in an inclined position or show green light, trains may proceed without stopping. Speed limit over crossings will be twenty miles per hour for passenger trains, and ten miles per hour for freight trains. See book of rules governing interlocking plants.

13. Reference marks: S—regular stop; F—stop on signal; D—day telegraph office; N—night telegraph office; W—water; C—coal; O—scales; T—turn-table; Y—Wye; X—railway crossings; R—registering station.

TIME INSPECTORS

St. Paul.....	A. L. Haman	Superior.....	C. A. Swanson & Co
Sandstone.....	J. A. Anderson	Cass Lake.....	R. F. Lussier
	Hibbing.....		F. A. Klass.

COMPANY SURGEONS.

Dr. J. A. Quinn, Chief Surgeon, Suite 301-2-3 Ernst Bldg. Cor. 5th and Wabasha Sts., St. Paul.
Dr. J. W. Chamberlain, Ophthalmic Surgeon, Lowry Arcade, St. Paul Minn.

Superior.....	Dr. W. E. Ground.	Hibbing.....	Dr. D. C. Rood.
Sandstone.....	Dr. D. W. Cowan.	Buhl.....	Dr. A. W. Shaw.
Hinckley.....	Dr. E. L. Stevens.	Virginia.....	Dr. C. B. Lenont.
Cambridge.....	Dr. R. B. Hixson.	Minneapolis.....	Dr. R. J. Hill.
Carlton.....	Dr. O. S. Watkins.	Minneapolis.....	Dr. Gustav Schwyzer.
Cloquet.....	Dr. Joseph Fleming.	Minneapolis.....	Dr. L. A. Nippert.
Cass Lake.....	Dr. Geo. C. Gilbert.	Minneapolis.....	Dr. W. H. Aurand.
Nashwauk.....	Dr. R. J. Sewall.	St. Anthony Park..	Dr. C. M. Cannon.

SPUR TRACKS BETWEEN STATIONS.

NAME.	LOCATION.	OPENS.	LENGTH.	CAR CAPACITY
Stanchfield.....	2.5 miles east of Grandy.....	West.	352 ft.	5
Duquette.....	2.4 miles east of Kerrick.....	West.	743 ft.	14
Lomond.....	.6 mile west of Cuba.....	East.	5406 ft.	131
Santiago.....	1.1 miles East of Cuba.....	East.		
Dumas.....	4.7 miles west of Deer River.....	East.	813 ft.	17
Churchill's.....	1.6 miles east of Deer River.....	East.	761 ft.	15
Weller's.....	4.9 miles east of Deer River.....	East.	1286 ft.	13
Dunn and Marcia.....	.3 mile east of Cohasset.....	East.		25
Moore and McCarty.....	.8 mile east of Cohasset.....	East.	352 ft.	5
Athlone.....	1.3 miles east of Grand Rapids.....	West.	2158 ft.	50
LaPrairie.....	2.1 miles east of Grand Rapids.....	East.	270 ft.	3
Feeley's.....	5.0 miles west of Swan River.....	East.	1735 ft.	39
Flint Pit.....	1.7 miles east of Brookston.....	West.	4000 ft.	96
Lindsay Pit.....	2.2 miles west of Carlton.....	East.	4470 ft.	108
Bruce.....	3.2 miles east of Swan River.....	West.	1110 ft.	24
Forest Mine.....	.8 mile east of Moore.....	East.	12739 ft.	314
Letonia Mine.....	1.4 miles east of Kelly Lake.....	East.	8641 ft.	212
Winifred Mine.....	1.1 miles east of Hibbing.....	West.	4695 ft.	113
Laura Mine.....	1.2 miles east of Hibbing.....	East.	2394 ft.	56
Longyear and Albany.....	1.8 miles east of Hibbing.....	East.	8717 ft.	214
Morrow Mine.....	2.0 miles east of Hibbing.....	West.	6974 ft.	170
Leonard Mine.....	.6 mile west of Chisholm.....	East.	2737 ft.	64
Jordan Mine.....	1.0 miles east of Chisholm.....	West.	7787 ft.	190
Croxton Mine.....	2.1 miles east of Buhl.....	East.	8173 ft.	200
Frantz Mine.....	.5 mile east of Buhl.....	East.	3339 ft.	79
Kinney and Yates.....	3.0 miles east of Buhl.....	East.	16579 ft.	410
Iroquois Mine.....	3.7 miles west of Virginia.....	East.	680 ft.	13
Para Spur.....	1.0 mile east of Para.....	West.	576 ft.	10
Stansbury.....	2.9 miles east of Baden.....	East.	390 ft.	6
Miles.....	1.1 miles east of Arlberg.....	East.	350 ft.	5
Mile Post 61.....	2.1 miles east of Arlberg.....	East.	468 ft.	8

E. F. Bailey, Asst. Chief Dispatcher.
W. H. Seidel, Asst. Chief Dispatcher.
J. H. Hicken, Chief Dispatcher.
J. O'Reilly, Asst. Train Master.
J. M. Rooney, Train Master.
E. L. Gilboy, Asst. Superintendent.

