NORTHERN PAGE GRALLWAY GOMPANY.

DULUTH AND SUPERIOR TERMINALS



IN EFFECT AT 12:01 A. M. Central or 90th Meridian Time.

MONDAY, SEPTEMBER 23rd, 1907.

For the Government of Employes only. The Company reserves the right to vary therefrom at pleasure. Be positive that you have the Current Time Table and destroy all previous numbers. Read carefully the Special Rules and always have for reference a copy of TRANSPORTATION RULES.

H. J. HORN, Gen'l Manager.

NEWMAN KLINE,
Ass't Gen'l Superintendent.

E. C. BLANCHARD, Superintendent. F. W. GILBERT,
Gen'l Superintendent.

I. B. RICHARDS,
Supt. of Transportation.

	WEST BO																-						7			FROM DULUTI	Н
	2nd CLASS	2nd CLASS	1st CLASS	1st CLASS 2r		2nd CLASS 175	181	1st CLASS	183	Ist CLASS	1st CLASS	Ist CLASS	1 0 1	33	2nd CLASS 167	1st CLASS	1:1 CLASS 37	1st CLASS	185	Ist LASS	Ist CLASS	1st CLASS	Ist CLASS	The same of the same of	8.4	ATME TABLE No. 4.	4.
	N. P. 52 Daily	N. P. 57	Q. N. 31		N. P. 56	N. P. 175	D. M. & N. 25	D. S. S. & A. 6		N. P. 4 Daily	N. P. 11 Daily	300.00	N. P. 101		N. P. 167 Ex. Sunday	N. P. 103	tr. N. 37	G. N. 19	D. M. & N. 3	OMAHA 63	N. P. 2	N. P. 115	OMAHA 93	D. S. S. & A.		STATIONS	
buluth	Daily	Ex. Sunday	I;x. Sunday	6.50AM	i. wed. Pri. I	Ex. Sunday	7.10AM	7.25 AM	7.40 AM	8.00 AM	8.15 AM	Ex. Sunday	9.00 AM	Dany	9.05 AM	Daily 1.55PM	E . Sunday	Daily	Ex. Sunday	Dáily	Daily 4.00 PM	Daily 5.10PM	Daily	Daily		Telegraph Offices and Calls	
				6.53			* 7.13	÷ 7.28	* 7.43	* 8.03	* 8.18		* 9.03		* 9.08	* 1.58			* 3.53			1		5.20FI		GARFIELD AVENUE	
20TH AVENUE				6.55		7.00AN			* 7.44				9.04		9.30	* 1.59			* 3.54		* 4.08	* 5.13		* 523		garfield avenue	
D. M. & N. JCT				6.57		7.04	* 7.15AM	idge	* 7.45AM	idge	idge		* 9.06		* 9.35	* 2.01				1	dge	5.14	 	dge		D. M. & N. JCT	
WEST DULUTH				7.05		7.15	7.120 %	Ä	7.20.	Ä	P. P.		9.13		9.45	2.06			* 3.55PM		Bri	* 5.16		Brid			
WEST DULUTH JCT				7.08		7.20AN		ouis,		ouis	ouis		* 9.15AN			* 2.08				 	owis	5.24		ouis		WEST DÜLUTH	
				7.14		7.204		*;		St. I	St. I		. 3.10A		* 10.10	90.5 +				- - 	i. H	* 5.26PM		. 1		WEST DULUTH JCT	
SPIRIT LAKE				7.23				ig O		'ब 23	ia S				10.20	Ľ.					ia S			, a		SPIRIT LAKE	
NEW DULUTH								Ρ		Þ	P				11.10	oint					>			Vis		NEW BULUTH	
FOND DU LAC				7.30 AN											11.40AN											FOND DU LAC	
ZENITH FURNACE																* 2.09										ZENITH FURNACE	
.drassy point siding																* 2.16					Y		\ -			GRASSY POINT SIDING	
RICE'S POINT		6.15AII	-		7.00 AM			* 7.31		* 8.06	* 8.21		: (assy					* 4.05			* 5.26		RICE'S POINT	
	12.08	6.18	.6.8041	4	7.06			* 7.82		* 8.07	* 8.22	8.48 🔠		* 9.05		£.	* 2.50 PM	* 3.40PM		* 3.52 PM	* 4.06		* 5.22PM	* 5.27		BRIDGE SWITCH	
.ELEVATOR STATION	19.15	6.25	6.35		7.12			* 7.87		* 8.12	* 8.27	8.53		* 9.10		Via	* 2.55	* 3.45		* 3.57	* 4.11		* 5.27	* 5.32		ELEVATOR STATION	
OMAHA CONN	12.17	6.28	6.37		7.15			* 739		* 8.14	* 8.29	* 8.54AM		* 9.12			* 2.57	* 3.47		* 3.58PH	* 4.12		* 5.29 PM	* 5.34		OMAHA CONN	
SUPERIOR U. D	19.90	6.30	6.88		7.20			7.40 M		8.15	8.30			9.13		2.19	2.58	3.48			4.15			5.35 PM		SUPERIOR U. D	
BELKNAP STREET	12.46	6.30	6.39	-	7.20					* 8.16	* 8.31			* 9.14		* 2.20	* 2.59	* 3.49			* 4.16				4.7	BELKNAP STREET	<u> § s</u>
47TH STREET	19.55	7.05	6.46		7.50					* 8.23	* 8.38			* 9.21		* 2.26	* 3.06	* 3.56			* 4.23				7.4	47TH STREET	··· <u> </u>
CENTRAL AVENUE	EAST BO	7.10 MI	6.48M	13	7.55AM				On single t	8.25 M		have absolute	a right of tr	9.23 AM	t Bound trai	2.28 PM	3.08 PM	3.58PM	Į.	!	4.25 PM			l	s.3	CENTRAL AVENUE	. N 8 o
			2nd CLASS	1st CLASS 1s			4 4		Ist CLASS	1st CLASS	1st CLASS	1st CLASS	1st CLASS	1st CLASS	Ist CLASS	1st CLASS	2nd CLASS			1st CLASS			2nd CLASS		8 4 _	TO DULUTH TIME TABLE No. 4.	
	N. P. 54	N. P. 51	N. P. 172	Q. N. 18 N				162 N. P. 162					N. P. I	38 G. N. 38			56 N. P. 55	168 N. P. 168	176 N. P. 176	184 D. M. & N. 4	62 Omaha 62	180 D. M. & N. 26	58 N. P. 58	34 G. N. 34	Pulm Dului	EPTEMBER 23rd, 19 STATIONS	907. <u> </u>
DULUTH	Daily	Daily	5.20 AM		Daily 6.80AM	Daily	Daily 7.55 AM	Ex. Sunday 8.20 AM	Daily 9.45 AM	Ex. Sunday		Daily	Daily 11.15 AM	Ex. Sunday	Daily	Ex. Sunday	Tu , Th., Sat.	Ex. Sunday 4.30 PM	Ex. Sunday	Ex. Sunday 3.30 PM	Ex. Sunday	Sunday only	Ex. Sunday	Daily	-	Telegraph Offices and Calls.	
.QARFIELD AVENUE			5.10		6.26			* 8.17					* 11.12									4.35 PM				DULUTH GARFIELD 1.0 AVENUE	
	2.80AM		5.03		6.25		7.02	8.15		* 10.26	· 10.27		- 11.12			2.02		* 4.25 4.20		* 8.27		* 4.32				0.3	
	2.20		4.58		6.28		idge	* 8.13		* 10.25 AM	idge		idge			1.57		* 8.50	3.15 PM			* 4.31				D. M. & N. JCT	
WEST DULUTH	2.15		4.51		6.15	\	B			* 10.85 AM	Br		Bri			1.50		3.80 3.15		* 3.25PM		* 4.30PM				WEST DULUTH	
	2.13AM		4.46AM		6.12	1	ouis	8.05	9.31 * 9.29AM		ouis	•	ouis			1.47 PM			3.00					-		WEST DULUTH JCT	
SPIRIT LAKE	2.10.		2.40%	<u>F</u>	9		St. I	* 8.02	- 9.29An		ř. I		St. I			- 1.47FM		* 2.52	2.55 PM							WEST DULUTH JCT	
NEW DULUTH			-		3 -		ia S	7.56			ia S		Via S				(a)	2.40								NEW DULUTH	
FOND DU LAC					ig -	\rightarrow	>	7.47			>		>					1.45								FOND DU LAC	
ZENITH FURNACE					6.10			7.40 ^M										1.80 PM									
GRASSY POINT SIDING					6.00		\													,,		-					
RICE'S POINT		5.80AM	-	-	8.00		\				. 10 5 *		. 11 00					-	, .							GRASSY POINT SIDING	
BRIDGE SWITCH				E EE III	assy		* 7.49				* 10.24		11.09	. 10 000			3.00PM						5.15 PM			RICE'S POINT	
ELEVATOR STATION		5.25	T. Phys.	5.55M	25 ±	7.064	7.37				* 10.23	* 10.55AM		* 12.08PM			2.42	-		0	3.30PM		5.11	* 6.13PM		BRIDGE SWITCH	
OMAHA CONN				5.50	5 -	7.01	* 7.48		E CHAT			* 10.50			1.43		2.85				3.25		5.04	* 6.08		ELEVATOR STATION :	
SUPERIOR U. D	OF THE	5.16	*	5.48	*	6.59	* 7.41					* 10.47AM					2.32			*	8.22FM		5.02	- 4		OMAHA CONN	
		5.10 5.00			5.55	6.58	7.40				10.15M			12.00M	1.40		2.30 2.10						5.00	6.05		SUPERIOR U. D	
BELKNAP STREET			-		5.54 *	6.57	* 7.89	4. 51						* 11.59 AM									5.00 4.40	* 6.04		BELKNAP STREET	
47TH STREET		4.50	*		5.47 *	6.50	* 7.32 7.30AM	-					* 10.50	* 11.50 AM	1.32 1.30PM		1.55 1.50PM						4.30				
CENTRAL AVENUE		4.45 M																									

FROM DULUTH	Int CLASS 2nd CLASS 2nd CLASS	Annual Property and Company of the C	e CLASS	WEST	BOUND
SEPTEMBER 23rd, 1907. 385 163	18 171 53 N.P. 13 N.P. 171 N.P.		105		
STATIONS AS IN. P. 103	N. P. 13 N. P. 171 N. P. 3 Daily Daily Daily		Daily		
0.0 DULUTH N 8.3 5.80F4	7.30FM 7.30FM	1	11.10F8		DUMATH
1.0 darfield Avenue g 7.3 · 5.88	* 7.33 7.38	• 1	11.13		CARPIELD AVENUE
1.3 20TH AVENUE D 2 11.1 5.85	7.40	1	11.15		NOTH AVENUE
1.0	9 7.44 9 7.51	* 1	11.18	보통성이 무리하는데 사람이 있다.	D. M. & N. JCP
4.2	7.51	1	11.25	On Single Treeds EAST Destail	WEST DULUTH
	7.55 PA	* 1	11.27	On Single Track EAST Bound	West duluth jet
7.6	St. 1		Line	Trains Have Absolute Right	SPIRIT LAKE
11.4	Via				NEW DULUTE.
14.3			Point	of Track Over West Bound	FOND DU LAC
8.8 ZENITH FURNACE 6.9		* 1	11.28		ZENIYH FURNACE
7.8		* 1	11.85	Trains of Same Class.	GRASSY POINT SIDING.
2.0	* 7.36 7.4		b		RICE'S POINT
8.3 BRIDGE SWITCH 6.0	• 7.87 7.4		Sa S		BRIDGE SWITCH
8.2 ELEVATOR STATION N 5.1	* 7.42 7.5		, s		ELEVATOR STATION
8.9	* 7.44 8.0		>		OMAHA CONN
(.2	7.45		11.40		SUPERIOR U. D
4. BELKNAP STREET. 2 3.6	• 7.46 8.3		11.41		BELKNAP STREET
7.4	* 7.58 8.4		11 48		47TH STREET
R.3		15 PM 9.00 PM 11.45 PM 1			CENTRAL AVENUE.
TO DULUTH		No. 167 has right o	over No. 168. No. 161 has right over	No. 162. No. 163 has right over No. 164.	
TIME TABLE No. 4. SEPTEMBER 23rd, 1907.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		64		
SEPTEMBER 23rd, 1907. STATIONS Telegraph Offices and Calis. 12 N. P. 12 Daily	N. P. 3 N. P. 104 N. P. 1 Dally Dally Ex. Sun		MAHA 64 Daily		
0.0 DULUTH N 8.3 6.85FM					DULUTH
1.0 GARFIELD AVENUE 5 7.3 * 6.88	* 6.97 * 6.57 * 7.0	2 • 6.52			GARFIELD AVENUE
1.5 20TH AVENUE D 2 11.1	e • 6.56 7.0	01 0			26TH AVENUE
1.9	e 6.54 • 6.5	Bridge 65		: Table :	D. M. & N. JCT
WEST DULUTH N 2 8.2				On Cincle Tweels EAST Dound	WEST DULUTH
4.0 WEST DULUTH JCT 7.8	6.48 6.5 6.45 6.5	50 N		On Single Track EAST Bound	west duluth Jct
7.0	ti en 6.4			Trains Have Absolute Right	SPIRIT LAKE
11.4	ere it C	33 12		사실하게 내용을 하는 사용하는 경험이 되었다. 그 가장 모든 것이 되는 것이 되는 것이 되는 것이 되었다.	NEW DULUTH.
14.5 FOND DU LAC D 0.0	Feb. Point Vi			of Track Over West Bound	FOND DU LAC
5.3 ZENITH FURNACE 6.9	* 6.43				ZENITH FURNACE
7.8 GRASSY POINT SIDING 4.6	* 6.35			Trains of Same Class.	GRASSY POINT SIDING.
2:0	* 6.24	* 6.49			RICE'S POINT
2.3 BRIDGE SWITCH 6.0 * 6.18	4 6.23 Grass	* 6.48 * 9.43 *	9.45M		BRIDGE SWIYCH
3.2 ELEVATOR STATION N 5.1 * 6.13	· 6.18	* 6.43 * 9.38 *	9.40		ELEVATOR STATION
3.9	* 6.16	* 6.41 * 9.36 *	9.37 FX		ONAHA CONN
4.2 SUPERIOR U. D D Z 4.1 6.10	6.15 6.33	6.40M 9.35			SUPERIOR U. D
4.7 BELKNAP STREET 2 3.6 * 6.09	* 6.14 * 6.32	9.84			BELKNAP STREET
7.4	* 6.07 * 6.25	9 27			47TH STREET
W 8.3 CENTRAL AVENUE N 2 0.0 6.00 PM	6.05M 6.28M	9.25%			CENTRAL AVENUE
RAINS WILL BE GOVERNED ENTIRELY BY SIGNALS. See Rules page					

1. Double track extends from Passenger Depot Duluth to Bridge Switch, from Elevator Station to Omaha Connection, Superior Union Depot to Central Ave. Superior Freight Station to Belknap St., and from Garfield Avenue to West Duluth Junction.

2. All trains and engines using double track will keep to the right. These tracks will be used in no

other way except by special orders given by the Superintendent at Duluth/

3. Inferior Class trains will keep out of the way of Superior Class trains going in the same direction.
4. Junction Switch at Garfield Avenue will be kept set for straight line.

5. The switch at end of double track West Duluth Junction will be kept set for in-bound track from Third District.

All trains must be under full control approaching Omaha connection at Superior.

Grassy Point Line Switch at West Du uth Junction will be kept set for main line east bound track. Specials, extras, work extras and sweek engines do not require telegraphic orders for movements between Central Ave. and Duluth running via St. Louis Bridge or between West Duluth Junction and Duluth,

but must observe all tales relative to protection of rear end and use of double track. Work extras must proteet at all times in both directions.

9. West-bound trains, engines and switch crews will have the right to use east-bound track at Central Ave. between west lead from yard and junction switch leading to first district main line without protection, and all east-bound trains will approach and pass through such territory with train under perfect control, expecting to find track occupied.

10. Junction switch at end of double track west of depot at Central Ave. will be kept set and locked for

west-bound track.

11. Rule 288, Book of Rules, is modifical to the extent that between Superior and Duluth and between West Duluth Junction and Dulith, Second Class and extra trains may run ahead of First and Second Class trains without orders. Between Central Avenue and Superior extras may run ahead of Second Class trains

To have personal safety operators having train orders or messages to deliver to passing trains should stand to the right hand side of train and avoid standing between tracks when possible to do so.

SPECIAL RULES. (Note Changes.)

First Class trains and specials will register at Duluth Union Depot, Superior Union Depot, Central Ave-West Duluth and Fond du Lac.

Second Class trains, extras and light engines will register at Rice's Point, Superior Freight Station, Central Avenue, West Duluth and Fond du Lac.

BULLETIN STATIONS:-Duluth Union Depot, Rice's Point Yard Office, Superior Union Depot, Central Avenue. All train and engine men must inspect bulletins before departing on their run.

STANDARD CLOCKS:—Rice's Point Yard Office and Dispatcher's Office, Duluth.

East leg of wye at West Duluth Junction is "Grassy Point Main Line," and the switch at junction of east and west legs of wye will be kept set for Grassy Point Line.

All trains must run slow around east leg of wye at West Duluth Junction and passing Zenith Furnace Plant, looking out for switch engines working on main line. This will in no wise excuse switch engines from full compliance with Paragraph "F," Rule 293, Book of Rules.

Third District main line trains will register and receive clearance and orders at West Duluth.

No. 104 will register West Duluth by ticket.

All trains must come to a full stop two hundred (200) feet from draw spans on St. Louis River and Grassy Point Bridges and must not proceed until signals are set at safety. Trains must not exceed ten (10) miles per hour on any part of these bridges or trestles.

All east bound trains and engines, and all west bound trains and engines via St. Louis River Bridge must come to a full stop two hundred (200) feet from Junction Switch at Garfield Avenue and must not proceed

until the way is known to be clear.

Care and watchfulness must be exercised by all, on both single and double track. A brakeman or flagman must be stationed on the rear car of all trains, and be provided with proper danger signals, and in case of stoppage on the main track must immediately go back and protect the train. Conductors and Switch Foremen will be held responsible for the strict observance of this rule.

All trains and engines without trains will run under full control between Belknap Street connection and

west yard limit board, Superior, expecting to find main track occupied by switch crews.

All trains and engines in foggy or stormy weather must approach Union Depot grounds at Superior

Duluth Yard extends from Duluth Passenger Station to east end of St. Louis Bridge and from Garfield. Avenue to West Duluth Junction and Third District yard limit board and Grassy Point Bridge. Switch engines will work within these limits, avoiding regular trains. All trains must run under full control in these limits, expecting to find track obstructed by transfers and by trains using cross-over tracks.

All extras and delayed regular trains must approach the terminal grounds at Superior with extreme

caution, having train under full control.

Engines heavier than N. P. Class P-3 & R (total weight of which, including tender, is 265,000 pounds) are not permitted to pull or be handled in trains over St. Louis River and Grassy Point Bridges. P-3 engines, and other engines of similar weight, must not exceed eight (8) miles per hour on these bridges. Double headers, any class engines, and fifty (50) ton capacity ore cars loaded with ore, not permitted on these bridges. Dead engines, wrecking cranes and steam shovels must be separated from engine hauling and each other by at least three (3) cars.

Track between Fond du Lac and Power Plant must not be used except by atthority of train orders. N. P. and Zenith Furnace switch engines will use west leg of Wye at West Duluth Junction and Fond du Lac main line between West Duluth Junction and yard limit board for switching purposes, but will not leave

ears on such tracks. All trains will look out for these crews in above limits.

Derailing switches located as follows and must be kept in derailing position when not in use: West End Zenith Furnace track. East End N. P. freight house track, Superior. Main line just east of N. P. freight house, Superior.

Interlocking switches and signals are located at D. M. & N. Junction.

RULES GOVERNING MOVEMENT OF TRAINS ON SINGLE TRACK OVER ST. LOUIS BRIDGE.

LOCATION OF SIGNALS.

Toward Duluth.

Home Semaphore 295 feet west of double track switch Elevator Station indicates position of switch at end of double track.

Home Signal (of disc pattern) at end of double track Elevator Station governs use of single track Elevator

Station to Bridge Switch.

Home Semaphore 345 feet west of Wisconsin Draw indicates position of draw span.

Distant Semaphore 1185 feet and Home Semaphore 345 feet west of Minnesota Draw indicate position of draw span, and in addition the Home Semaphore (3 arm) governs the routes off the bridge as follows: "Top arm to Great Northern Track; Middle Arm to Omaha Track; Lower Arm to Northern Pacific." Toward Superior.

Distant Semaphore 1508 feet and Home Semaphore 316 feet east of East End Minnesota Draw on each of the three tracks, viz., N. P., Omaha and G. N.; indicate position of draw spans and route for which switches

Home Signal (of disc pattern) at end of single track 100 feet east of Minnesota Draw governs use of

single track Bridge Switch to Elevator Station.

Distant Semaphore 1176 feet and Home Semaphore 365 feet east of Wisconsin Draw indicate position of draw span.

EXPLANATION OF SIGNALS.

Semaphore signals are of standard pattern and indicate position of draw spans and switches only, and confer no rights to use of track between Bridge Switch and Elevator Station. The disc signal at each end of single track controls the movement of trains on such track. If signals fail to work, hand signal will be given by operator at Elevator Station and bridge tender at Minnesota Draw. Below find diagram of disc signals:

A red disc thus by day or red light by night indicates "Stop" danger.



Edge of disc thus by day or white light by night indicates "Safety" proceed.



Where disc signals are used the indications are given by colors. Where semaphore signals are used the arm to the right of signal mast as seen by approaching trains governs, and indications are given by position or color. Horizontal or red means "Stop" danger; Diagonal downward or white "Clear" proceed.

These signals do not protect rear of trains, and full protection as per rules must be had at all times.

After a train has received a signal to move in one direction it must not move in opposite direction without receiving proper signal for such movement.

Trains and engines standing must keep clear of track circuit at Elevator Station and also of detector bars at Junction switches east end of Minnesota Draw.

Authorized Surgeons.

Dr. C. S. KNOX, Nettleton Ave. Dr. J. C. ADAMS, Superior. Dr. W. H. MAGIE, Duluth. Dr. A. J. BRADEN, Duluth.

Location Stretchers.

Nettleton Ave. Freight Station. Superior Freight Station. Rices Point Yard Office. Duluth Union Depot. Tool Car, Duluth. West Duluth.

C. E. McMULLIN. Asst. Superintendent. K. M. NICOLES, Train Master. L. F. NEWTON. Asst. Train Master. F. E. POTTER. Chief Dispatcher.