#### SPEED TABLE

Per	me mile	Miles Per	Per	me mile	Miles Per
Minutes	Seconds	Hour	Minutes	Seconds	Hour
0	45	80	1	12	50
0	46	78.3	1	15	48
0 0 0	47	76.6	1	20	45
0	48	75	1	25	42.3
0	49	73.5	1	30	40
0	50	72	1	40	36
0	51	70.6	1	45	34.3
0	51 52 58	69.2	ī	50	32.7
0	58	67.9	2		80
0	54	66.6	2	10	27.6
0 0 0 0 0	55 56	65.4	2	15	26.6 25.7
0	56	64.2	2	20	25.7
	57	63.1	$\bar{2}$	80	24
Ö	58	62.0	2	40	22.5
Ŏ	58 59	61.0 60 59	2	45 50	21.8
i		60	2	50	21.2
1	1	59	8	- 19	20
1	2	58	3	9	19
ī	8	58 57.1	3	20	18
1	4	56.2	8	31	17
0 0 1 1 1 1 1 1	2 8 4 5 6 7 8	56.2 55.3	1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 3 3 3 3	45	16
ī	6	54.5	4		15
ī	7	53.7	5		12
	ė.	53.7 52.9 52.1	6		10
1	9	52.1	7	80	-8
î	10	51.4	10		6

# NORTHERN PACIFIC RAILWAY COMPANY

Duluth and Superior Terminals

# TABLE 219

In Effect at 12:01 A. M. Central Standard Time.

Sunday, December 30, 1945

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 Instructions and always carry for reference a copy of OPERATING RULES.

C. CORSER, Superintendent.

W. W. JUDSON, General Manager. C. V. BERGLUND, General Superintendent of Transportation.

2		ESTV								VISION		<del></del>		<del></del>	<del></del>	
= 1					V . 2	FIR	ST CLA	SS	<u> </u>					Jot.	7	Time Table No. 2
65	_ _	35 G. N.	57	303	9 40 P. D.M.&	855			1 20 D.M.&				55	Distance from East D. M. & I. R. Jot.		December 30, 1945 Superseding No. 218.
		35		19	6	19	10	)	1	23	3	3		D.N		STATIONS
assenge	_	assenger	Passenger	Passeng									senger	Dista		Telegraph Offices and Cal
Daily	E	Ex. Sun.	Daily	Ex. Sun					Sun. Dai	ly Dai		<del></del>	aily	0.0	_	STORY OF THE STREET, S
1120	_		- 0.00	<u> </u>		6 PM		25 AM	05			.45 AM	7.00			.EAST D. M. & I. R. JCT
11.30		9,30 PM		100.0							00 AM A 7		7.20 AM 7.23 AM			GARFIELD AVE
11.33		9.32 PM	A 8.03 PM	7.19 7.21	PM	A 4.	32 PM			23 A 8.	UZ AN	<u>A</u>	1.23 AM	2.2		20TH AVE. WP
11.35 11.37				7.23						26 AM				2.8	_	.WEST D. M. & I. R. JCT
11.37	- -			1.23	-				30 A 6.	ZU AM				3.6	-   瓷	SOO LINE CROSSING
11.40	$\dashv$			A 7.29	Du		_		33					4.5		D. W. & P. JCT
11.44				1.29				- FOX - 1/2	35					5.1	ြ၉ါ	WUWEST DULUTHD
11.50r				1	-				37 AM		_			5.0	-15-1	WEST DULUTH JCT.
. 1.501	=-				-					-				6.9		D. T. CROSSING
			-			190								8.1		RIVERSIDE
														9.7		MORGAN PARK
		. *												12.4		NEW DULUTH
					<del> </del>									15.1		FOND DU LAC
Daily							ly Dai	ly Ex. S	Sun, Dai	ly Dai	ly Da	ily D	aily			
ALLY	E	Ex. Sun.	Daily	Ex. Sun	. Dail	y Dail	ושעבן עי	19 1 112. 1	oun.   Dan	., , ,						
.20	- E	.02	Daily .03	Ex. Sun					1000			.05	.03		1	Time Over Subdivision
.20		.02 30.0 <b>EA</b> :	.03 20.0 STWARI	15.0 TRAI	13.5	4 .0	02 0 10. RIOR TO	05 . 8 , 24. TRAINS	12 5 19.4 S OF TH	06 0 30. E SAME	02 0 10 CLASS	.8 2	.03	OSIT	E D	Time Over Subdivision Average Speed Per Hour IRECTION.
.20		.02 30.0 <b>EA</b> :	.03	15.0 TRAI	13.5	4 .0	02 0 10. RIOR TO	TRAINS	12 5 19.0 S OF TH	06 0 30. E SAME	02 0 10 CLASS	.8 2	.03	OSIT	E D	Average Speed Per Hour
.20		.02 30.0 EA	.03 20.0 STWARI	15.0 TRAI	.0 13.5 NS ARE	4 .( 30.0 E SUPER	DO2 10. RIOR TO	TRAINS	12 5 19.6 S OF TH	06 30. E SAME	002 0 10 CLASS	8 2	.03 0.0 <b>OPP</b>	X.	N.	Average Speed Per Hour IRECTION.  Time Table No. 2
,20		.02 30.0 EA	.03 20.0 STWARI	15.0 TRAI	.0 13.5 NS ARI	4 30.0 E SUPER	02 0 10. RIOR TO	TRAINST CLA	12 19.5 19.5 S OF THE SUBDIVESS 3 0 4	06 30. 30. E SAME VISION	002 0 10 CLASS	.8 2	.03 0.0 <b>OPP</b>	osit	from Lac.	Average Speed Per Hour IRECTION.  Time Table No.: December 30, 194
,20		.02 30.0 EA	.03 20.0 STWARI	,10 15.0 D TRAI	20 G. N. 1	204 D.M.&I.R.	02 10. RIOR TO	TRAINST ST CLA  24  G. N. 24	12	06 30.0 30.0 E SAME VISION  400  D.M.&I.R.	002 0 10 CLASS 3 6 G. N.	s 2 IN THE	.03 0.0 OPP	6	ace from du Lac.	Average Speed Per Hour IRECTION.  Time Table No. December 30, 194 Superseding No. 218
,20		.02 30.0 EA	.03 20.0 STWARI	,10 15.0  TRAI  RD  66	20 G. N. 120	204  D.M.&I.R.  Passenger	02 10. RIOR TO FIF	TRAINS  TRST  RST CLA  G. N. 24  Passenger	12	06 30.0 E SAME VISION  400 D.M.&I.R. 5 Passenger	002 0 10 CLASS 3 6 G. N. 36 Passenger	8 2 IN THE	.03 0.0 OPP	66 senger	ace from du Lac.	Average Speed Per Hour IRECTION.  Time Table No. December 30, 194 Superseding No. 218 STATIONS
.20		.02 30.0 <b>EA</b> :	.03 20.0 STWARI	,10 15.0 D TRAI	20 G. N. 1	204 D.M.&I.R.	02 10. RIOR TO	TRAINST ST CLA  24  G. N. 24	12	OG 30.  E SAME VISION  400  D.M.&I.R.  Fassenger  Daily	002 0 10 CLASS 3 6 G. N.	s 2 IN THE	.03 0.0 OPP	6	Distance from Fond du Lac.	Average Speed Per Hour IRECTION.  Time Table No. December 30, 194 Superseding No. 218 STATIONS Tolegraph Offices and C
Car Capacity Carlings	of Sidings.	Station Numpers.	.03 20.0 STWARI	15.0 TRAI	20 G. N. 120 Passenger Daily	204 D.M.&I.R. Passenger Daily	Passenger Ex. Sun.	TRAINST ST CLA  24  G. N. 24  Passenger Daily	12 5 19.0 S OF THE SUBDIVESS 3 0 4 D. W. & P. 20 Passenger Ex. Mon.	OB 30.  E SAME VISION  400  D.M.&I.R.  B Passenger Daily  A 9.04 M	02 10 10 CLASS  3 6 G. N. 36 Passenger Ex. Mon.	58 Passenger Daily	.03 0.0 OPP	66 senger	Distance from Fond du Lac.	Average Speed Per Hour IRECTION.  Time Table No. 2 December 30, 194 Superseding No. 218  S T A T I O N S Telegraph Offices and CEAST D. M. & I. R. J.
20 Yard Limits.  Our Capsoity  Askiling	of Sidings.	.02 30.0 EA	.03 20.0 STWARI .STWA	15.0 TRAIRD  TRAIR  RD  Senger Paily  1.35 PM A	20 G. N. 120 Bassenger Daily	204 D.M.&I.R. Passenger Daily A 4.10pu	10. 10. RIOR TO  RIOR TO  FIF  62  Passenger Ex. Sun.  A 12.15 PM	TRAINST ST CLA  24  G. N. 24  Passenger  Daily  A 11.58 AM	12	OG 30.  E SAME VISION  400  D.M.&I.R.  Fassenger  Daily	36 G. N. 36 Passenger Ex. Mon.	58 Passenger Daily A 8.004	OPP	senger aily	Distance from Fond du Lac.	Average Speed Per Hour IRECTION.  Time Table No.: December 30, 194 Superseding No. 218. STATIONS Telegraph Offices and CoEAST D. M. & I. R. Jo DUDULUTHD
20 Yard Limits.  Car Capsoity  Againment	of Sidings.	EA  EA  WB 71	.03 20.0 STWARI .STWA	15.0 TRAI	20 G. N. 120 Bassenger Daily	204 D.M.&I.R. Passenger Daily A 4.10 pm 4.07	Passenger Ex. Sun.  A 12.15 PM 12.12	TRAINST ST CLA  24  G. N. 24  Passenger Daily	12 19.5 19.6 S OF THE SUBDIVE SS 3 0 4 D. W. & P. 20 Passenger Ex. Mon.	OB 30.  E SAME VISION  400  D.M.&I.R.  B Passenger Daily  A 9.04 M	36 G. N. 36 Passenger Ex. Mon.	58 Passenger Daily	OPP  Pass D	senger aily 5.30 AM	7. 1. 1. 1. 1. 1. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.	Average Speed Per Hour IRECTION.  Time Table No. 2 December 30, 194 Superseding No. 218 STATIONS Telegraph Offices and CoEAST D. M. & I. R. J.C. DUDULTHD
20 and Yard Limits.	o Sidinge.	EA  EA  WB 71	.03 20.0 STWARI .STWA	15.0 TRAIRD  TRAIR  RD  Senger Paily  1.35 PM A	20 G. N. 120 Bassenger Daily	204 D.M.&I.R. Passenger Daily A 4.10pu 4.07 4.06	Passenger Ex. Sun.  A 12.15 PM 12.12	TRAINST ST CLA  24  G. N. 24  Passenger  Daily  A 11.58 AM	12 19.5 19.0 S OF THE SUBDIVE SS 3 0 4 D. W. & P. 20 Passenger Ex. Mon. A 9.30 AM 9.28	OB 30.  E SAME VISION  400  D.M.&I.R.  B Passenger Daily  A 9.04 M	36 G. N. 36 Passenger Ex. Mon.	58 Passenger Daily A 8.004	OPP  Pass Di  MA ((	66 senger aily 6.30 AM 65.25 65.22	15.1 Distance from 1.3.2 Pond du Lac.	Average Speed Per Hour IRECTION.  Time Table No. 2 December 30, 194 Superseding No. 218.  STATIONS Telegraph Offices and Co
20 Sand Yard Limits. Onr Oapsoity Associations	o Sidinge.	EA  EA  WB 71	.03 20.0 STWARI .STWA	15.0 TRAIRD  TRAIR  RD  Senger Paily  1.35 PM A	20 G. N. 120 Bassenger Daily	204 D.M.&I.R. Passenger Daily A 4.10 pm 4.07	Passenger Ex. Sun.  A 12.15 PM 12.12	TRAINST ST CLA  24  G. N. 24  Passenger  Daily  A 11.58 AM	12 19.5 19.6 S OF THE SUBDIVE SS 3 0 4 D. W. & P. 20 Passenger Ex. Mon.	OB 30.  E SAME VISION  400  D.M.&I.R.  B Passenger Daily  A 9.04 M	36 G. N. 36 Passenger Ex. Mon.	58 Passenger Daily A 8.004	OPP  Pass Di  MA ((	senger aily 5.30 AM	Distance from Fond du Lac. 13.2 12.9 12.3	Average Speed Per Hour IRECTION.  Time Table No. 2  December 30, 194  Superseding No. 218.  S T A T I O N S  Telegraph Offices and C EAST D. M. & I. R. JC  DUDULUTHD  GARFIELD AVE  20TH AVE. WP  (WEST D. M. & I. R. JC
20 and Yard Limits, On Con Corposity of Skillings	o Sidinge.	EA  EA  WB 71	.03 20.0 STWARI .STWA	15.0 TRAIRD  TRAIR  RD  Senger Paily  1.35 PM A	20 G. N. 120 Bassenger Daily	204 D.M.&I.R. Passenger Daily A 4.10pu 4.07 4.06	Passenger Ex. Sun.  A 12.15 PM 12.12 1 12.09	TRAINST ST CLA  24  G. N. 24  Passenger  Daily  A 11.58 AM	12 19.15 19.15 S OF THE SUBDIVESS 3 O 4 D. W. & P. 20 Passenger Ex. Mon. A 9.30 AM 9.28 9.26	OB 30.  E SAME VISION  400  D.M.&I.R.  B Passenger Daily  A 9.04 M	36 G. N. 36 Passenger Ex. Mon.	58 Passenger Daily A 8.004	OPP  Pass Di  A (	6.30 AM 5.25 5.22 6.19	Distance from 15.1. 14.2. 12.9. 12.3. 11.5.	Average Speed Per Hour IRECTION.  Time Table No. 2  December 30, 194 Superseding No. 218.  S T A T I O N S  Telegraph Offices and CEAST D. M. & I. R. JC DU
S. S	of Sidings.	EA  EA  FA  FA  FA  FA  FA  FA  FA  FA	.03 20.0 STWARI .STWA	15.0 TRAIRD  TRAIR  RD  Senger Paily  1.35 PM A	20 G. N. 120 Bassenger Daily	204 D.M.&I.R. Passenger Daily 4.07 4.06 L 4.03 PM	Passenger Ex. Sun.  A 12.15 PM 12.09 12.05	TRAINST ST CLA  24  G. N. 24  Passenger  Daily  A 11.58 AM	12 19.5 19.0 S OF THE SUBDIVE SS 3 0 4 D. W. & P. 20 Passenger Ex. Mon. A 9.30 AM 9.28	OB 30.  E SAME VISION  400  D.M.&I.R.  B Passenger Daily  A 9.04 M	36 G. N. 36 Passenger Ex. Mon.	58 Passenger Daily A 8.004	OPP  Pass Di  MA (	senger aily 5.30 AM 6.25 5.22 6.19	Total Distance from 15.1 14.2 12.3 11.5 10.6	Average Speed Per Hour IRECTION.  Time Table No. 2  December 30, 194 Superseding No. 218  STATIONS  Tolegraph Offices and Co  EAST D. M. & I. R. JC  O  GARFIELD AVE. W. F.  WEST D. M. & I. R. JC  O  WEST D. M. & I. R. JC  O  WEST D. M. & I. R. JC  O  O  WEST D. M. & I. R. JC  O  O  O  WEST D. M. & I. R. JC  O
20 and Yard Limits.	Significant W. L. L. L. L. L.	.02 30.0 EA: EA: 	.03 20.0 STWARI .STWA	15.0 TRAIRD  TRAIR  RD  Senger Paily  1.35 PM A	20 G. N. 120 Bassenger Daily	204 D.M.&I.R. Passenger Daily 4.07 4.06 L 4.03 pm	Passenger Ex. Sun.  A 12.15 PM 12.09 12.05 12.03	TRAINST ST CLA  24  G. N. 24  Passenger  Daily  A 11.58 AM  L 11.56 AM	12 19.15 19.15 S OF THE SUBDIVESS 3 O 4 D. W. & P. 20 Passenger Ex. Mon. A 9.30 AM 9.28 9.26	OB 30.  E SAME VISION  400  D.M.&I.R.  B Passenger Daily  A 9.04 M	36 G. N. 36 Passenger Ex. Mon.	58 Passenger Daily A 8.004	OPP  Pass Di  M A ()	Senger aily 5.30 AM 5.25 6.22 6.19 6.14 6.12	Total Property of Teach Proper	Average Speed Per Hour IRECTION.  Time Table No. 2  December 30, 194 Superseding No. 218.  S T A T I O N S  Telegraph Offices and CEAST D. M. & I. R. JC 0.9  DUDULUTHD
20 14.7  Out Capacity  Out Capacity  Ya	Significant W. L. L. L. L. L.	EA  EA  FA  FA  FA  FA  FA  FA  FA  FA	.03 20.0 STWARI .STWA	15.0 TRAIRD  TRAIR  RD  Senger Paily  1.35 PM A	20 G. N. 120 Bassenger Daily	204 D.M.&I.R. Passenger Daily 4.07 4.06 L 4.03 pm	Passenger Ex. Sun.  A 12.15 PM 12.09 12.05	TRAINST ST CLA  24  G. N. 24  Passenger  Daily  A 11.58 AM  L 11.56 AM	12 19.15 19.15 S OF THE SUBDIVESS 3 O 4 D. W. & P. 20 Passenger Ex. Mon. A 9.30 AM 9.28 9.26	OB 30.  E SAME VISION  400  D.M.&I.R.  B Passenger Daily  A 9.04 M	36 G. N. 36 Passenger Ex. Mon.	58 Passenger Daily A 8.004	OPP  Pass Di  M A ()	senger aily 5.30 AM 6.25 5.22 6.19	Distance from 15.1 14.2 12.9 12.3 11.5 10.0 10.0 9.2	Average Speed Per Hour IRECTION.  Time Table No. 2  December 30, 194 Superseding No. 218.  S T A T I O N S  Telegraph Offices and CEAST D. M. & I. R. JC 0.9  DUDULUTHD
20 14.77  Out Capacity  Out Capacity  Yan	Significant W. L. L. L. L. L.	.02 30.0 EA: EA: 	.03 20.0 STWARI .STWA	15.0 TRAIRD  TRAIR  RD  Senger Paily  1.35 PM A	20 G. N. 120 Bassenger Daily	204 D.M.&I.R. Passenger Daily 4.07 4.06 L 4.03 pm	Passenger Ex. Sun.  A 12.15 PM 12.09 12.05 12.03	TRAINST ST CLA  24  G. N. 24  Passenger  Daily  A 11.58 AM  L 11.56 AM	12 19.15 19.15 S OF THE SUBDIVESS 3 O 4 D. W. & P. 20 Passenger Ex. Mon. A 9.30 AM 9.28 9.26	OB 30.  E SAME VISION  400  D.M.&I.R.  B Passenger Daily  A 9.04 M	36 G. N. 36 Passenger Ex. Mon.	58 Passenger Daily A 8.004	OPP  Pass Di  M A ()	Senger aily 5.30 AM 5.25 6.22 6.19 6.14 6.12	Word on Iron 15.1 14.2 12.9 12.3 11.5 10.6 10.0 9.2 8.2	Average Speed Per Hour IRECTION.  Time Table No. 2  December 30, 194 Superseding No. 218.  S T A T I O N S  Telegraph Offices and CEAST D. M. & I. R. JC 0.9  DUDULUTHDGARFIELD AVE 0.8 SOO LINE CROSSING 0.8 SOO LINE CROSSING 0.9 WU WEST D.W. & P. JCT 0.9 WU WEST D.ULUTH D.CD. W. & P. JCT 0.9 WU WEST D.ULUTH D.CD. T. CROSSING
20 14.7  Talinita Out Capacity W Y X Y  Y  A	Significant W. L. L. L. L. L.	.02 30.0 EA: EA: 	.03 20.0 STWARI .STWA	15.0 TRAIRD  TRAIR  RD  Senger Paily  1.35 PM A	20 G. N. 120 Bassenger Daily	204 D.M.&I.R. Passenger Daily 4.07 4.06 L 4.03 pm	Passenger Ex. Sun.  A 12.15 PM 12.09 12.05 12.03	TRAINST ST CLA  24  G. N. 24  Passenger  Daily  A 11.58 AM  L 11.56 AM	12 19.15 19.15 S OF THE SUBDIVESS 3 O 4 D. W. & P. 20 Passenger Ex. Mon. A 9.30 AM 9.28 9.26	OB 30.  E SAME VISION  400  D.M.&I.R.  B Passenger Daily  A 9.04 M	36 G. N. 36 Passenger Ex. Mon.	58 Passenger Daily A 8.004	OPP  Pass Di  M A ()	Senger aily 5.30 AM 5.25 6.22 6.19 6.14 6.12	Total Property of the Property	Average Speed Per Hour IRECTION.  Time Table No. 2  December 30, 194 Superseding No. 218.  S T A T I O N S  Telegraph Offices and CEAST D. M. & I. R. JC 0.9  DUDULUTHDGARFIELD AVE 0.9  DUGARFIELD AVEP
20 14.7  Trimital And Limital On Congression of Con	Significant L L L L L L L L L L L L L L L L L L L	.02 30.0 EA: EA: 	.03 20.0 STWARI .STWA	15.0 TRAIRD  TRAIR  RD  Senger Paily  1.35 PM A	20 G. N. 120 Bassenger Daily	204 D.M.&I.R. Passenger Daily 4.07 4.06 L 4.03 pm	Passenger Ex. Sun.  A 12.15 PM 12.09 12.05 12.03	TRAINST ST CLA  24  G. N. 24  Passenger  Daily  A 11.58 AM  L 11.56 AM	12 19.15 19.15 S OF THE SUBDIVESS 3 O 4 D. W. & P. 20 Passenger Ex. Mon. A 9.30 AM 9.28 9.26	OB 30.  E SAME VISION  400  D.M.&I.R.  B Passenger Daily  A 9.04 M	36 G. N. 36 Passenger Ex. Mon.	58 Passenger Daily A 8.004	OPP  Pass Di  M A ()	Senger aily 5.30 AM 5.25 6.22 6.19 6.14 6.12	mori operation of the control of the	Average Speed Per Hour IRECTION.  Time Table No. 2  December 30, 194 Superseding No. 218.  S T A T I O N S  Telegraph Offices and CEAST D. M. & I. R. JC 0.9  DUDULUTHDGARFIELD AVE
.20	Significant W. L.	.02 30.0 EA: EA: 	.03 20.0 STWARI .STWA	15.0 TRAIRD  TRAIR  RD  Senger Paily  1.35 PM A	20 G. N. 120 Bassenger Daily	204 D.M.&I.R. Passenger Daily 4.07 4.06 L 4.03 pm	Passenger Ex. Sun.  A 12.15 PM 12.09 12.05 12.03	TRAINST ST CLA  24  G. N. 24  Passenger  Daily  A 11.58 AM  L 11.56 AM	12 19.15 19.15 S OF THE SUBDIVESS 3 O 4 D. W. & P. 20 Passenger Ex. Mon. A 9.30 AM 9.28 9.26	OB 30.  E SAME VISION  400  D.M.&I.R.  B Passenger Daily  A 9.04 M	36 G. N. 36 Passenger Ex. Mon.	58 Passenger Daily A 8.004	OPP  Pass Di  M A ()	Senger aily 5.30 AM 5.25 6.22 6.19 6.14 6.12	more process of the contract o	Average Speed Per Hour IRECTION.  Time Table No. 2  December 30, 194 Superseding No. 218.  S T A T I O N S  Telegraph Offices and CEAST D. M. & I. R. JC 0.9  DUDULUTHDCARFIELD AVE
20 14.7  Talinita Out Capacity W Y X Y  Y  A	Significant W. L.	.02 30.0 EA: EA: 	Pas	15.0 TRAIRD  TRAIR  RD  Senger Paily  1.35 PM A	20 G. N. 120 Bassenger Daily	204 D.M.&I.R. Passenger Daily 4.07 4.06 L 4.03 pm	Passenger Ex. Sun.  A 12.15 PM 12.09 12.05 12.03	TRAINST ST CLA  24  G. N. 24  Passenger  Daily  A 11.58 AM  L 11.56 AM	12 19.15 19.15 S OF THE SUBDIVESS 3 O 4 D. W. & P. 20 Passenger Ex. Mon. A 9.30 AM 9.28 9.26	OB 30.  E SAME VISION  400  D.M.&I.R.  B Passenger Daily  A 9.04 M	36 G. N. 36 Passenger Ex. Mon.	58 Passenger Daily A 8.004	.03 0.0 OPP	Senger aily 5.30 AM 5.25 6.22 6.19 6.14 6.12	mori operation of the control of the	Average Speed Per Hour IRECTION.  Time Table No. 2  December 30, 194 Superseding No. 218  S T A T I O N S  Telegraph Offices and C 0.9  DU

15.0 EASTWARD TRAINS ARE SUPERIOR TO TRAINS OF THE SAME CLASS IN THE OPPOSITE DIRECTION.

.10

.04

13.5

.03

20.0

.03

10.9

20.0

Time Over Subdivision

Average Speed Per Hour

.02

30.0

.05

12.0

.02

30.0

.07

10.3

.14

21.0

SPECIAL INSTRUCTIONS PAGES 6, 7, 8 AND 9.

EASTWARD TRAINS ARE SUPERIOR TO TRAINS OF THE SAME CLASS IN THE OPPOSITE DIRECTION.

# FIRST SUBDIVISION Eastward

...WEST DULUTH JCT. P

Time Over Subdivision

Average Speed Per Hour

D. T. CROSSING

1.2

RIVERSIDE

1.8

MORGAN PARK

2.7

NEW DULUTH

FOND DU LAC

1	ime Table No. 219	9		•	SEC	0	ND CL	A	ss	1,94F, 1	
	December 30, 1945		624		626	(	628	4	104	4	102
	Superseding No. 218.		ragar engla		C. M. St. P. & P. 626		range ligar	D.	M.& I.R. 7	D.	M.& I.R. 9
	STATIONS		Freight		Freight		Freight	P	assenger	P	assenger
7	relegraph Offices and Calls		Daily		Daily		Daily		Daily		Daily
	EAST D. M. & I. R. JCT							A	4.25 PM	A	6.00 PM
DI	JDULUTHDNJ		16		a 8 %	A	4.30 AM	L	4.20 PM	L	5.55 PM
	GARFIELD AVE	b					4.20		ere er stade dansker satter		5
	20TH AVE. WPD		A 3.50 AM	A	4.00 AM		4.09		3 7 36		100
M	WEST D. M. & I. R. JCT.	BLE	3.43		` 3.53		4.06		7.1		
BLOCK	SOO LINE CROSSING.	H	Sciencesco III - S							175	
BL	D. W. & P. JCT	RAC	3.37		3.46		4.00	19			
AUTO.	WU WEST DULUTH DN	X	3.35		3.43		3.58				
AU	.WEST DULUTH JCT.P		L 3.30 AM	L	3.40 AM	L	3.55 AM				argere i n
	D. T. CROSSING		W 17 1 PA	_							
··	RIVERSIDE			_		L				_	
	MORGAN PARK					_		_			
	NEW DULUTHP	-					- Bar -	_		3	
	FOND DU LAC		- Y				56 T		W E	N.	3 9
	20 27 42		Daily		Daily		Daily		Daily		Daily
	Time Over Subdivision	_	.20		.20		.35	٠,	.05	-	.05
	Average Speed Per Hour		10.8		10.8		8.4		10.8		10.8

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.03

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Daily

14,7

SPECIAL INSTRUCTIONS PAGES 6, 7, 8 AND 9.

EASTWARD TRAINS ARE SUPERIOR TO TRAINS OF THE SAME CLASS IN THE OPPOSITE DIRECTION.

4	WES	TW	ARD			SECC	ND SU	BDIVI	SION		- max2:0	****			<b>-C</b> -
SEC	COND	CLA	ss			FII	RST CLA	ss			48.5	Time	Table	No. 219	
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N. P. 630	C. M. P. & P	St. . 625		G. N. 35	Omaha 510		Omaha 512	G. N. 19	G. N. 23			Su	perseding N	lo. 218.	from Ave.
Freight	Freig	ght	Freight	Passenger	Passenger	Passenger	Passenger	Passenger	Passenger	Passenger	Passenger	S	TATIO	NS	Distance Garfield
Sun., Tue. Thur., Fri.	Dai	ly	Daily	Ex. Sun.	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Telegr	aph Offices	and Calls	Ggis
		1	L 6.03 рм	L 9.32 ры		L 8.03 PM		L 4.32 ры	L 8.02 AM	L 7.23 AM			ARFIELD	AVE	0.0
L 10.00 P	L 7.	40 PM	6.04	9.34	9	8.05		4.34	8.04	7.25	7		RICES PO	INTI	2 0.7
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10.09	7.	49	6.09	9.39	8.25	8.09	5.08	4.40	8.10	7.30	* 1	ELE	VATOR ST	TATION	2.2
10.11	7.	51	6.11	9.42	А 8.28 ры	11.8	A 5.10 PM	4.42	8.12	7.32	5 1-		OMAHA CO	имс	2.9
			BETWEEN (	MAHA CON WILL BE	NECTION GOVERN	AND E	BELKNAF L. S. T. 8	STREE T. RY.	T TRAIN	IS USING ABLE AN	L. S. T. D RULE	& T. RA S.	AILWAY		
				s 9.45		s 8.12		s 4.45	s 8.15	s 7.35	L 12.06 AM	BYS	UPERIOR	U. D 1	PDN 3.2
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A 10.45 PI	A 8.	40 PM A	A 6.50 PM	A 9.55 PM	13 	As 8.25 PM		а 4.53 ры	a 8.23 am	As 7.44 AM	As 12.20 AM	ਵਿੱਲੋਂ ( AJ	CENTRAL .	AVEDN	ch 7.4
Sun., Tue. Thur., Fri	. Dai	lv	Daily	Ex. Sun.	Daily	Daily	Daily	Daily	Daily	Daily	Daily	C 34 8 7 2			
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to the		14	Time	Table No.	219	*****	· · · ·		FI	RST CLA	SS -	a ilama	· · · · · · · ·		CLASS
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ter, Fuel, far Tables, Yard Lin Capacity	g	tance	s 1	TATIONS		Passenger	Passenger	Passenger	Passenger	Passenger	Passenger	Passenger	Passenger	20X 21 31 9 2 32 34 3 2 32 34 3	Freight
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CTW Yar	d L 1	6.7		RICES POINT	Double	iii		7.54	8.15	n Killinger	11.54	7.56	11.28	= 10 =1 16:3:	A 8.30A
x		6.1	BF	IDGE SWITCH	} <sup>©</sup>		A 7.33 AM	7.52	8.13	A 11.21 AM	11.52	7.54	11.27		A 0.50 A
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EASTWARD TRAINS ARE SUPERIOR TO TRAINS OF THE SAME CLASS IN THE OPPOSITE DIRECTION.

DOUBLE TRACK BETWEEN GARFIELD AVENUE AND OMAHA CONNECTION, EXCEPT OVER MINNESOTA DRAW ON ST. LOUIS
RIVER BRIDGE. FIRST CLASS TRAINS USE L. S. T. & T. RAILWAY BETWEEN OMAHA CONNECTION AND BELKNAP STREET.

SPECIAL INSTRUCTIONS PAGES 6, 7, 8 AND 9.

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Time Over Subdivision.....

Average Speed Per Hour

Mon.,Wed., Fri., Sat.

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	EST	'WA	RD				TE	IIR	D SUBDIVISION	100			EAST	WARI	5
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ales, yes		.8	65	53	317	313	311	į.	December 30, 1945	y, Jet.	54	66	318	312	314
water, ruel, Scales, Turn Tables, Wyes and Yard Limits.	Car Capacity of Sidings.	Station Numbers.		D.S.S.&A.	Soo Line	Soo Line	Soo Line	stance from est Duluth Jct.	Superseding No. 218.	from & T. Ry.	D.S.S.&A.		Soo Line	Soo Line	Soo Line
Tal Yard	Cap	on D	Passenger	Passenger	Passenger	Passenger	Passenger	ance t Du	STATIONS	Distance fi	Passenger	Passenger	Passenger	Passenger	Passenge
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x			A 12.05 AM	A 8.33 PM	A 6.18 PM	A 1.18PM	A 8.48 AM	3.3	L. S. T. & T. RY. JCT.	0.0	L 5.11AM	L 5.49 AM	L 7.38 AM	L 3.57 PM	L 5.34
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Arr	8	e Esp	13.2	24.0	24.0	24.0	24.0	122	Average Speed Per Hour		24.0	. 14.1	24.0	24.0	24.0
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			SEC	OND CL	ASS	FIRST	CLASS	-1	Time Table No. 219		FIRST	CLASS	SEC	OND CL	ASS
ង្គីស		II.		629	631	100	53	7	December 30, 1945		54		632	630	,7
Water, Fuel, Scales, Turn Tables, Wyes and Yard Limits.	<b>&gt;</b>	bers.		= 1	D.S.S.&A. 21		D. S. S. & A.	貝	Superseding No. 218.	<b>8</b> .	D.S.S.&A.	- 80	D. S. S. & A.	Transport	31
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Wat Turn and	Car of Si	Stat		Mon., Wed., Fri., Sat.	Daily	-4,21 x 10	Ex. Sun.	Distance f	Telegraph Offices and Calls	D E	Ex. Sat.	v gy 1 ox	Daily	Sun., Tue., Thur., Fri.	
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<u>x</u>	Yard	65		7.47	A 5.21 AM		A 4.52 AM		NEWTON AVENUE		L 9.09 PM		L 12.14M	10.54	
	Yard			7.52		-		1.6	HILL AVEP	2.5				10.51	467 J.
x		-	48.00				-	3.0	SOO LINE CROSSING.	1.1		# 800 <sub>0.75</sub> = 802 #		0	
WXY	Yard	67	11 5 141	A 7.59 AM		100	Fs =	4.1	AJCENTRAL AVEDN	0.0				L 10.45 PM	
=1				Mon., Wed., Fri., Sat.	Daily	8	Ex. Sun.	,	77 W W 1747		Ex. Sat.		Daily	Sun., Tue., Thur., Fri.	- 1
				-14	.01	7 33	.01		Time Over Subdivision		.01		.01	.10	
		1.5		17-6	12.0	N 4 7 0 5	12.0		Average Speed Per Hour		12.0		12.0	24.0	4

EASTWARD TRAINS ARE SUPERIOR TO TRAINS OF THE SAME CLASS IN THE OPPOSITE DIRECTION. SPECIAL INSTRUCTIONS PAGES 6, 7, 8 AND 9. THE REMARKS OF THE PROPERTY AND A SECOND STREET AND A SECOND STREET, AND A SECOND STREET, AND A SECOND STREET,

# ALL SUBDIVISIONS.

1. Speed Restrictions—		

Maximum Speeds Permitted-

The maximum speeds in miles per hour permitted are listed by Zones

for each Subdivision.

Except on mountain grades, passenger trains with diesel-electric engines and all light weight cars may run at speeds ten (10) miles per hour faster than passenger trains with steam engines.

Speed Restrictions Account Curves, etc.-

Reductions of speeds, within the zones listed for each Subdivision, when necessitated by curves or for other reasons, are designated by Advance Warning, Reduce Speed and Resume Speed signs.

The maximum permissible speeds in miles per hour for trains with

steam engines are shown on the signs.

Except on mountain grades, passenger trains with diesel-electric engines and all light weight cars may operate through the restricted zones at speeds (10) miles per hour faster than those shown on the

Speed Restrictions, Miscellaneous-

The locations where reduced speeds are required, for such reasons as city ordinances, bridges, etc., where not designated by Advance Warning, Reduce Speed and Resume Speed signs, are listed for each Subdivision and appear directly after the list of maximum speeds

All trains and engines: 

Over Spring Switches-

In facing point direction, In trailing point direction, When movement actuates switch points ........................30 MPH. On track for which switch is lined......Normal Speed. If any movement is through turnout, the allowable turnout speed

Handling steam wrecking cranes, pile driv		
locomotive cranes		30 MPH.
Picking up train orders from operators		
Engines—	Handling	Running

Classes—	trains.	- Page 1	light.
All A and Q (except on passenger trains			
where higher speed is authorized)	60 MPH.	60	MPH.
Z-6, Z-7 and Z-8	60 MPH.	50	MPH.
Z-5, Y, Y-1, Y-3		35	MPH.
Z-3, Z-4	35 MPH.	30	MPH.
S-4, T, T-1, W to W-5 inc. Y-2		45	MPH.
8-10.		40	MPH.
Steam switch engines, without engine trucks,		HINTER CONTRACTOR	
under all conditions	15 MPH.	15	MPH.
660 HP diesel-electric switch engines,			
Nos. 125 to 130 inc	45 MPH.	45	MPH.
5400 HP diesel-electric road engines,			
Nos. 6000 to 6010 inc	65 MPH.	65	MPH.
900 HP and 1000 HP diesel-electric switch			10.0
engines and combination road-switch engines.	60 MPH.	60	MPH.
Coming from shops, under steam, to prevent	trunning l	hot:	
111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	et libered tale municipation (1991)		SETT

Coming from shops, under steam, to prevent running hos	<b>:</b> :
All A and Q and classes Z-6, Z-7 and Z-8	.50 MPH.
S-4, T, T-1, W to W-5 inc., Y-2	.35 MPH.
Z-5, S-10, Y, Y-1, Y-3	.30 MPH.
73 74	.25 MPH.

Main Line-With main and side rods removed:

All A and Q and classes Z-6,		
Z-5, S-4, S-10, T, T-1, W to	W-5 inc., Y to Y-3	inc25 MPH.
Z-3, Z-4		20 MPH.

With main rods removed and side rods in place:

	All A and Q and classes Z-6, Z-7 and Z-835	MPH.
	Z-5, S-4, S-10, T, T-1, W to W-5, inc., Y to Y-3 inc30	MPH
16	73 74 25	MPH

Branch Lines-With either or both main and side rods removed:

In the event the above speeds are in excess of 50% of the permissible speed for operating the engine in working order over any bridge carrying speed restrictions, speed on such bridges shall be 50% of the permissible speed for engine in working order.

Dead engines going to shops or being transferred from one district to another with all rods up or in place, the piston rod parted from the crosshead and removed and the valve motion disconnected and blocked, may be moved in trains at not to exceed the permissible speed of freight trains operating in the territory over which the engines are to be moved, or the operating speed restriction for track or bridges for that class of engine, whichever is the lower. Engines handled in this manner when coming from shops must not

exceed the operating speeds specified for engines coming from shops under steam.

.45 MPH. 

same as when in operating condition. Single and Double Headers; operation—track and bridges—general. Except as otherwise provided, double header operation of engines of the same class carry the restrictions applicable to single headers of that class. Double headers of engines of different classes carry

the restrictions applicable to double headers of the heavier class of the combination.

Double-Heading Restrictions-Engines, Classes A-2 to A-5 or Z-5 to Z-8 inclusive:

When necessary to use two such engines on freight trains, the second engine must be cut in at the middle or in the rear portion of the train. When such engines are used as helpers on passenger trains handled by engines of the same class, such helper engine must be placed on the rear of the train. When engines of these classes are used to double-head with engines of W or other A or Z classes, the A-2 to A-5

or Z-5 to Z-8 inclusive, must be the lead engine.

Diesel engines—Except as otherwise provided, diesel-electric engines of the 6000 series and all diesel switch engines may be operated over bridges under the same restrictions shown for Class T engines.

- 3. Rule D-97 applies to all subdivisions.
- Except in case of fog, storms, or otherwise bad weather, yellow signals may be used, without flagmen, when placed as prescribed by Rule 10(h) to indicate approach to a red signal in special cases when authorized by the Superintendent and protected by train order.
- Rule 606: Emergency Signals are not used at inter-lockings or drawbridges operated by the Northern Pacific Railway.
- Test of hand brakes of gas-electric motor cars must be made once each trip. If crew has charge of moving car prior to leaving initial station, test will be made during such movement; otherwise, as soon as possible after leaving initial station. On cars equipped with "Deadman's Control," conductor and engineer will cooperate in making test.

Gas-electric motor cars, when handled dead in freight trains, must be behind caboose.

Precautions must be taken on double track to prevent accidents from swinging doors or other loose construction attached to cars or locomotives. Trains handling logs must stop when being met or passed by passenger trains.

- Electric Switch Locks-To operate, open door of electric switch lock and, if indicator shows "proceed", move lock lever to the left, which will unlock switch and permit it to be opened and movement may be made at once. If indicator shows "stop", and conflicting train movement is not evident, open door of release box and push the push button. This will start operation of clockwork release which will run down in three minutes and, at the end of that time, indicator will show "proceed" and switch can be unlocked by moving lever to the left. Restore lock lever, close and lock doors of electric locks and release boxes when switches are restored to normal position.
- Pusher engines must not push on cabooses not equipped with steel
- Second class and inferior trains and engines may run ahead of delayed first class trains without train order authority.
- Extra trains, and yard engines may move with current of traffic between West Duluth Jct. and Duluth (1st sub.); between Central Avenue and Rice's Point (2nd sub.); between Central Avenue and Allouez (4th sub.), and in either direction on single track and with the current of traffic on double track between West Duluth Jct. and Superior (3rd sub.) without train order authority.
- Flagman must be stationed on the rear car, at all times, and be provided with proper flagging equipment. In case train is stopped on main track, flagman must protect as prescribed by Rule 99. Conductors and switch foremen will be held responsible for the strict observance of this rule.
- The D. T. Ry. main track is the northmost track between the Hanna 13. Coal Dock crossing and connection with Grassy Point main track. All switches leading from this track, when not in use, will be left lined for D. T. Rv.
- All trains and engines using D. T. Ry. main track from connection of Missabe coal dock to east end of Zenith Furnace Company's lead, 14. on Grassy Point line, will move in both directions at restricted speed, expecting to find the D. T. Ry. main track occupied.
- D. T. Ry. connection, located at east end of Zenith Furnace Company's lead, Grassy Point line, will be considered a railroad crossing. Trains and engines using this connection will come to a full stop and make sure that track is clear before proceeding.
- 16. Bulletin Stations-

Union Depot, Rices Point Yard and Roundhouse. Duluth. Soo Line Passenger Station.

Superior. Soo Line Yard and Roundhouse.

17. Standard Time Clocks-

Duluth-Union Depot, Rices Point Yard Office and Round House.

18. Watch Inspectors—

Duluth.....Bagley & Co. Duluth...... Herbert W. Schmidt. Duluth... Harlan Wells.
West Duluth... W. F. Hurst.
Superior... L. J. Howatt.

#### FIRST SUBDIVISION

- 1. Speed Restrictions— Freight Passenger and Mixed Zone—Between: East D. M. & I. R. Jct., and West Duluth Jct. 30 MPH. 30 MPH. West Duluth Jct., and Fond du Lac..... 15 MPH. 15 MPH. 15 MPH. 15 MPH.
- Bridge and Engine Restrictions-Between Duluth and West Duluth Junction—Engines classes A-2 to A-5 inc. and Z-5 to Z-8 inc., not permitted. Between West Duluth Junction and Fond du Lac-engines heavier than Class T not permitted.

Between Fond du Lac and upper Power Plant-engines heavier than Class L-9 not permitted.

3. At Fifth Avenue West-Normal position of main track switch is for Union Depot.

- At Garfield Avenue-Junction switches will be kept set for First Subdivision. Trains stop not less than two hundred (200) feet from Junction Switch and crossover used by D. W. & P. and not proceed until track
- 5. At Nineteenth Avenue West—Trains using the Dick tracks must not block crossing.

is known to be clear.

- 6. At Twenty-first Avenue West-Telephone at crossover-Eastward trains call yard (3 rings) for route when necessary.
- 7. At West D. M. & I. R. Jct. Interlocking-Trains will call for route as follows:
  - Martins track to D. M. & I. R. yard.
  - D. M. & I. R. yard to Martins track. 000
  - o o o Martins track to westward main.
  - oooo Martins track to D. T. main.
  - oooo D. T. main to Martins track. Westward main to D. M. & I. R. yard.
  - D. M. & I. R. yard to eastward main. Through main line movements. - 0
- 8. At West Duluth Jct .- Switch at west end wye will be kept set and locked for first Subdivision. Switch engines will use west leg of wye and Fond du Lac line but will not leave cars on these tracks. Switch at end of double track is dual control. Normal position is for the westward track.
- At Fond du Lac—Trains will call upper Power Plant (Douglas 50) from New Duluth and secure permission to use track between Fond du Lac and Power Plant, but must secure authority from chief dispatcher to use track to lower Power Plant.
- Yard Limits—Between East D. M. & I. R. Jct, at Fifth Ave. East and Lake Superior Division yard limit sign west of West Duluth Jct.
- 11. Derail Switches-Fond du Lac, on main track.
- Register Stations-Duluth Union Depot for trains arriving at or departing from Fifth Ave. Yard or Union Depot, Rice's Point Yard office for other trains. West Duluth.
- 13. Register Exceptions-At West Duluth trains register by Form 608. A check of register on Form 602 may be issued by operator when authorized by train dispatcher, either instead of, or in addition to, train order check.
- Clearance Exceptions—Trains originating at East D. M. & I. R. Jct., Garfield Ave., 20th Ave. West, West D. M. & I. R. Jct., D. W. & P. Jct., West Duluth Jct. and Fond du Lac will not require clearance.

## SECOND SUBDIVISION

- Speed Restrictions-Passenger Zone-Between: and Mixed Garfield Ave., and Central Ave...... 50 MPH. 60 MPH. At Superior-Over switches at Belknap Street and Omaha Conn..... At Central Ave.-On both tracks between west lead from yard and Junction with Fourth (Terminal) Subdivision . . . . . restricted speed
- Bridge and Engine Restrictions—Engines classes A-2 to A-5 inc. and Z-5 to Z-8 inc., not permitted. Bridge 2.1, St. Louis Bay..... All bridges—Trains handling wrecking cranes of 250 tons, or heavier.
- At Garfield Avenue—Junction switches will be kept set for First Subdivision. Trains will stop not less than two hundred (200) feet from Junction switch and crossover used by D. W. & P. and not proceed until track is known to be clear.
- At Rice's Point-Spring switches not equipped with facing point locks, roundhouse lead, 900 feet south of coal dock, indicate-

Yellow—Straight Track. Green—Roundhouse Lead.

 Between Bridge Switch and Elevator Station, St. Louis River Bridge—Interlocking signals govern use of tracks.
 Single track over Minnesota Draw.

The three-arm semaphore on eastward track west of Minnesota Draw indicates position of double track switch, position of draw and route:

Top Arm—Northern Pacific
Middle Arm—Great Northern
Bottom Arm—C. St. P. M. & O.

The two-arm semaphore on westward track east of Elevator Station indicates route:

Top Arm—Straight main track. Bottom Arm—Great Northern freight track.

Westward trains will stop before entering onto Wisconsin Draw. Eastward trains will stop before entering onto Minnesota Draw. Westward trains entering onto Minnesota Draw and Eastward trains entering onto Wisconsin Draw will be governed by signal at the approach and, if proceed signal is received, will not be required to stop.

- 6. At Central Avenue—Westward trains and engines may use eastward main track between west lead from yard and junction with Fourth (Terminal) Subdivision without protection.
- 7. Yard Limits—From Garfield Ave. to yard limit sign west of 28th Street, Superior, and from yard limit sign east of Central Ave. to the yard limit sign just east of Soo Line crossing on Terminal Fourth Subdivision, and yard limit sign west of Central Ave. on Second Subdivision of Lake Superior Division.
- Derail Switches—At approach to Minnesota Draw from Duluth. At Elevator Station.
   At Superior—just East of N. P. freight house.
- Register Stations:
   Rice's Point for second class and inferior trains, except passenger extras.

   Central Avenue.
- 10. Register Exceptions—At Central Avenue trains register by form 608. A check of register on form 602 may be issued by operator when authorized by train dispatcher, either instead of, or in addition to, train order check.
- 11. Clearance Exceptions:

Trains originating at Garfield Ave., Rice's Point (Yard), Bridge Switch, Elevator Station, Omaha Conn. and Belknap St. will not require clearance.

At Central Ave. eastward trains will not require clearance if train order signal is in the proceed position. Westward Great Northern trains enroute to Great Northern tracks, at the Interlocking, not governed by train order signal.

## THIRD SUBDIVISION

- 3. At West Duluth Jct.—Normal position of switches on east leg of wye is for Third (Terminal) Subdivision main track.
- 4. Clearance Exceptions: Trains originating at West Duluth Jct., Berwind Jct. and L. S. T. & T. Ry. Jct. will not require clearance. A check of register on Form 602 may be issued by operator when authorized by train dispatcher, either instead of, or in addition to, train order check.
- 5. Yard Limits—Between West Duluth Jct. and yard limit sign west of Grassy Point drawbridge, and between yard limit sign east of L. S. T. & T. Ry. Jct. and Superior.

#### FOURTH SUBDIVISION

- 3. At East End—Normal position of switch at end of double track is for westward trains.

  The approach signal of interlocking is an automatic block signal governing single track to end of double track and westward track to Newton Ave. interlocking. Eastward D. S. & A. and C. St. P. M. & O. trains and engines will use westward main track between Newton Ave. interlocking and end of double track as single track, under single track and yard limit rules.
- 4. At Central Ave.—Normal position of switch at end of double track is for eastward trains.

  Normal position of switch at Junction of Fourth and Second (Terminal) Subdivisions is for Second Subdivision.

  Normal position of wye switch, adjacent to Tower Avenue, is for movements from Second Subdivision main track to Terminal Fourth Subdivision.
- 5. Yard Limits—Tracks between yard limit signs west of East End and east of Allouez, and from yard limit sign east of Central Avenue to the yard limit sign just east of Soo Line crossing on terminal Fourth Subdivision.
- Register Stations: Central Ave. Soo Line 21st St. Yard Office, Superior, for D. S. S. & A. Ry.
- 7. Register Exceptions—At Central Ave. trains register by form 608. A check of register on Form 602 may be issued by operator when authorized by train dispatcher, either instead of, or in addition to, train order check.
- 8. Clearance Exceptions—Trains originating at East End and Hill Ave. will not require clearance.

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# AUTHORIZED SURGEONS

Dr. B. I. Derauf, Chief Surgeon.... St. Paul.
Dr. J. W. Jesion,
Dr. L. Rosenbladt,
Dr. A. McEwan,
Dr. C. H. Decker,
Dr. M. N. Abrahamson.
St. Paul.

Assistant Surgeons,
N. P. B. A. Hospital,
St. Paul.

#### **SPECIALISTS**

Dr. L. A. Nelson, Oc	ulist830	Lowry	Bldg., St. 1	Paul
Dr. H. E. Binger, Ey	ye, Ear, Nose	225	District.	
& Throat	1039	Lowry	Bldg., St. I	Paul
Dr. K. A. Phelps, Oc	ulist and Aurist, 113	37 Medi	cal Arts B	ldg.,
Minneapolis.	,			- 1500 - 1500
Dr. A. G. Athens, O	culist and Aurist, 1:	214 Med	ical Arts B	ldg.,
Duluth.			•	

#### **SURGEONS**

Dr. J. W. McGill	1225 Tower Ave., Superior
Dr. Victor E. Ekblad	1507 Tower Ave., Superior
Dr. C. M. Smith	.1115 Medical Arts Bldg., Duluth
Dr C. L. Haney	2004 West Superior St., Duluth
Dr. James S. Spang	1930 West Superior St., Duluth

# C. M. ST. P. & P. RY. SURGEONS

Dr. Cyril M. Smith, 1115 Medical Arts Bldg., Duluth

#### LOCATION OF STRETCHERS

East End Station.
Central Avenue Station.
Superior Freight Station.
Duluth—Fifth Avenue Yard Office, Dock 6, Union Depot, Store
Room, Tool Car, Dock 2, Car Shops, Roundhouse.
West Duluth Station.
Superior Ore Dock.

# NOTE.

N. P. B. A. physicians and surgeons, when called upon, will attend to all cases of sickness and accident to employes, passengers, and others. In a case of illness or in any case of injury unrelated to Railway operation, surgeon should endeavor to collect a reasonable fee for service from person attended, other than members of the N. P. B. A. If unable to collect, Chief Surgeon should be notified.

Where injuries are directly related to Railway operation, charge for service should be sent to the General Claim Agent of the Railway Company.

In case of emergency, proper aid should be procured until arrival of local surgeon, when case must be placed in his hands.

# C

#### First Sub-division

West D. M. & I. R. Jct., Interlocking.
Soo Line Crossing, Interlocking.
D. W. & P. Jct., Interlocking.
West Duluth Jct., Automatic Interlocking.
D. T. Crossing, Duluth Terminal Ry.
Morgan Park, Minnesota Steel Co. Crossing.

#### Second Sub-division

Bridge Switch and Elevator Station, Interlocking. St. Louis River Drawbridge; Minnesota Draw, Interlocking. Wisconsin Draw, Interlocking. Superior, Winter St., near Omaha Connection.

#### Third Sub-division

Zenith Furnace—D. T. Connection.
Berwind Jct., Interlocking, is also junction with Soo Line and D. W. & P. Grassy Point Drawbridge, Interlocking.
G. N. Ry. Crossing.
L. S. T. & T. Ry. Jct.

#### Fourth Sub-division

Newton Avenue—C. St. P. M. & O. Crossing, Interlocking. Soo Line Crossing, Interlocking.

#### MAXIMUM CLEARANCES.

				LIMIT	OF LOA	D MEAS	UREME	NT		S 7 e	
	e Eye <sub>k</sub> o		78 = A	HEIGHT ABOVE TOP OF RAIL						A State of	
	1 ft. Wide	2 ft. Wide	3 ft. Wide	4 ft. Wide	5 ft. Wide	6 ft. Wide	7 ft. Wide	7 ft. 6 in. Wide	8 ft. Wide	Max. Height	Max. Width
1st Sub-division, Duluth to Fond du Lac	18' 5"	18′ 5″	18′ 5″	18' 5"	18' 5"	18' 5"	18' 5"	18' 5"	18′ 5″	18' 5"	11' 6"
2nd Sub-division, Garfield Ave. to Central Ave.	20′ 3″	20′ 3″	20′ 3″	20′ 3″	20′ 3″	20′ 3″	20′ 3″	20′ 3″	20′ 3″	20′ 3″	11' 6"
3rd Sub-division, W. Duluth Jct. to Superior U. D.	20′ 3″	20′ 3″	20′ 3″	20′ 3″	20′ 3″	20′ 3″	20′ 3″	20′ 3″	20′ 3″	20′ 3″	11' 6"
4th Sub-division, East End to Central Ave	21′ 0″	21′ 0″	21′ 0″	21' 0"	21′ 0″	21' 0"	21' 0"	21' 0"	21' 0"	21′0″	11' 6"

	LIMIT OF LOAD MEASUREMENT												
	HEIGHT ABOVE TOP OF RAIL									C 0 2			
		ft. 6 in. Wide	9 ft. Wide	9 ft. 6 in. Wide	10 ft. Wide	10ft.2in. Wide	10ft.6in. Wide	11 ft. Wide	11ft.6in. Wide	Max. Height	Max. Width		
1st Sub-division, Duluth to Fond du Lac	1	18' 5"	18′ 5″	18′ 5″	18′ 5″	18' 5"	18' 5"	18' 5"	18' 5"	18' 5"	11' 6"		
2nd Sub-division, Garfield Ave. to Central Ave	2	20′ 3″	20′ 3″	20′ 3″	20′ 3″	20′ 3″	20′ 3″	20′ 3″	20′ 3″	20′ 3″	11' 6"		
3rd Sub-division, W. Duluth Jct. to Superior U. D	2	20′ 3″	20′ 3″	20′ 3″	20′ 3″	20′ 3″	20′ 3″	20′ 3″	20′ 3″	20′ 3″	11' 6"		
4th Sub-division, East End to Central Ave	2	21' 0"	21' 0"	21' 0"	21' 0"	21' 0"	21' 0"	21' 0"	21' 0"	21' 0"	11' 6"		

Note: Length of load 52 ft. Heights and widths in table allow 9 inches clearance.

Table is based on open car loading equally divided on either side of center line of car.

C. T. SPONSEL, Asst. Supt. O. A. HANSON, Trainmaster. G. W. MINKEL, Trainmaster-Roadmaster. B. V. COYER, Asst. Trainmaster. E. J. WIGG, Chief Dispatcher.