

SPEED TABLE

Time per Mile		Miles per Hour	Time per Mile		Miles per Hour
Min.	Sec.		Min.	Sec.	
0	45	80	1	12	50
0	46	78.3	1	15	48
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	52	69.2	1	50	32.7
0	53	67.9	2	..	30
0	54	66.6	2	10	27.6
0	55	65.4	2	15	26.6
0	56	64.2	2	20	25.7
0	57	63.1	2	30	24
0	58	62	2	40	22.5
0	59	61	2	45	21.8
1	..	60	2	50	21.2
1	1	59	3	..	20
1	2	58	3	9	19
1	3	57.1	3	20	18
1	4	56.2	3	31	17
1	5	55.3	3	45	16
1	6	54.5	4	..	15
1	7	53.7	5	..	12
1	8	52.9	6	..	10
1	9	52.1	7	30	8
1	10	51.4	10	..	6

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NORTHERN PACIFIC RAILWAY COMPANY

Lake Superior Division

TIME TABLE 77-1

To be used in conjunction with
Special Instructions currently in effect.
In Effect at 12:01 A. M. Central Standard Time.

Tuesday, Sept. 8, 1959

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

W. L. WOOD,
Superintendent.

D. A. THOMSON,
General Manager.

E. S. ULYATT,
General Superintendent
of Transportation.

2 WESTWARD

FIRST SUB-DIVISION

EASTWARD

Water, Fuel, Scales, Turn Tables, Wyes and Yard Limits.	Car Capacity of Sidings.	Station Numbers.			Distance from Ashland.	Time Table No. 77-I		Distance from Duluth.			
						September 8, 1959					
						STATIONS					
				Telegraph Offices and Calls							
WIX	Yard	0			0.0	A.....	ASHLAND.....	PDN	75.7		
		5			4.6		ASHLAND JCT.....		71.1		
	50	10			10.2		MOQUAH.....	P	65.5		
	S12	16			16.3		INO.....	P	59.4		
	S10	24			23.8		TOPSIDE.....	P	51.9		
	25	28			28.3	RV.....	IRON RIVER.....	PD	47.4		
	S 7	32			32.3		MUSKEG.....	P	43.4		
	27	36			36.3	BX.....	BRULE.....	PD	39.4		
	37	41			41.5		BLUEBERRY.....	P	34.2		
	S 8	44			44.0		MAPLE.....	P	31.7		
	17	48			48.1	AR.....	POPLAR.....	PD	27.6		
	20	50			50.2		WENTWORTH.....	P	25.5		
	S 5	57			56.7		CUTTER.....	P	19.0		
X	Yard	61			61.7		ALLOUEZ.....	P	14.0		

BETWEEN ALLOUEZ AND DULUTH TRAINS AND ENGINES WILL BE GOVERNED BY DULUTH AND SUPERIOR
TERMINAL TIME TABLE.

WOTZY	Yard	WB71			75.7	DU.....	DULUTH.....	DN	0.0		
							Time Over Sub-Division				
							Average Speed Per Hour				

EASTWARD TRAINS ARE SUPERIOR TO WESTWARD TRAINS OF THE SAME CLASS.

4 WESTWARD

THIRD SUB-DIVISION

EASTWARD

Water, Fuel, Scales, Turn Tables, Wyes and Yard Limits.	Yard	Station Numbers.	FIRST CLASS		Distance from Duluth.	Time Table No. 77-I		Distance from 3rd Street	FIRST CLASS			
			65	Passenger		September 8, 1959			66	56		
						STATIONS					Passenger	Passenger
						Daily					Daily	Daily
wOY ZT	Yard 71	WB- 71	L 11.15 PM	0.0	DU.....DULUTH.....DN 5.0	151.1	A 4.50 AM	A 10.45 PM				

BETWEEN DULUTH AND WEST DULUTH JCT. TRAINS AND ENGINES WILL BE GOVERNED BY DULUTH AND SUPERIOR TERMINALS TIME TABLE.

YX	L5			VIA SUPERIOR AND 2ND SUB- DIVISION	5.0	...WEST DULUTH JCT..P	146.1	VIA 2ND SUB- DIVISION AND SUPERIOR	A 10.30 PM
	26 L11				11.3	6.3 ...SHORT LINE PARK..P	139.8		10.18
	88 L16				16.0	4.7.....BROWNELL.....P	135.1		10.10
	L19				19.3	3.3.....THOMSON.....P	131.8		10.05
wZ YX	Yard SS125 L21			L 12.42 AM	20.8	1.5 UN....CARLTON...PDN	130.2	As 2.50 AM	L 10.03 PM
	125 L26			12.51	27.0	6.2.....OTTER CREEK...P	124.1	2.29	
	125 L33			f 12.58	32.6	5.6.....MAHTOWA.....P	118.4	f 2.21	
	Hec 23 L39			f 1.06	38.6	6.0 BM....BARNUM....PD	112.4	s 2.12	
w	125 L43			s 1.17	43.1	4.5 MU...MOOSE LAKE..PDN	107.9	s 2.01	
	62 L49			s 1.27	49.1	6.0....STURGEON LAKE...P	101.9	s 1.48	
	125 L54			s 1.40 ⁶⁰	53.6	4.5 WR..WILLOW RIVER..PD	97.4	s 1.40 ⁶⁵	
	S11 L58			s 1.47	57.5	3.9.....RUTLEDGE.....P	93.5	f 1.33	
	93 L62			s 1.55	62.6	5.1 FY....FINLAYSON...PDN	88.4	s 1.27	
	125 L66			f 2.01	66.0	3.4.....GRONINGEN.....P	85.1	f 1.19	
w	W125 E 125 L76			s 2.29	75.5	9.0 HN....HINCKLEY...PDN	75.6	s 1.06	
	S18 L83			s 2.46	82.8	7.3.....BEROUN.....P	68.3	f 12.41 AM	
	125 L89			s 2.59	88.6	5.8 J.....PINE CITY...PDN	62.5	s 12.35	
	S20 L94			s 3.12	93.3	4.7.....ROCK CREEK.....P	57.8	f 12.25	
	125 L99			s 3.26	98.4	5.1 RO....RUSH CITY...PDN	52.7	f 12.20	
	S20 L106			s 3.42	105.3	6.9.....HARRIS.....P	45.8	f 12.12	
	139 L111			s 3.54	110.4	5.1 CH..NORTH BRANCH..PD	40.7	s 12.06 AM	
	S15 L119			s 4.13	118.4	8.0.....STACY.....P	32.7	f 11.55 PM	
	142 L123			s 4.26	122.6	4.2 WI....WYOMING....PD	28.5	s 11.51	
	93 L127			s 4.38	126.7	4.1 ST...FOREST LAKE...PD	24.3	s 11.44	
	125 L135			s 4.54	135.1	3.4 VN.....HUGO.....PD	16.0	f 11.33	
	L140			5.03	139.3	4.2.....BALD EAGLE.....	11.8	11.28	
wX	Yard L141			As 5.10 AM	140.4	1.1 WBWHITE BEAR LAKEPDN	10.7	L 11.27 PM	

BETWEEN WHITE BEAR LAKE AND ST. PAUL UNION DEPOT, TRAINS AND ENGINES WILL BE GOVERNED BY JOINT TERMINAL TIME TABLE.

TOwY	S142			A 5.40 AM	151.6	.....ST. PAUL..... (Union Depot)	0.5	L 11.00 PM	
				4.28		Time Over Sub-Division		3.23	.27
				26.7		Average Speed Per Hour		35.3	35.2

EASTWARD TRAINS ARE SUPERIOR TO WESTWARD TRAINS OF THE SAME CLASS.

At Beroun trains not stopping will reduce speed to permit safe dispatch of mail.

**FOURTH SUB-DIVISION
(CUYUNA NORTHERN BRANCH)**

WESTWARD

EASTWARD

Water, Fuel, Scales, Turn Tables, Wyes and Yard Limits.	Station Number.	Car Capacity of Sidings.	Distance from Deerwood.	Time Table No. 77-I		Distance from Ironton.
				September 8, 1959		
				STATIONS		
				Telegraph Offices and Calls		
X	160	Yard	0.0	DO.....DEERWOOD.....PDN 3.9		3.9
wX	LK4	Yard	3.9	RN.....IRONTON.....PD		0.0

EASTWARD TRAINS ARE SUPERIOR TO WESTWARD TRAINS OF THE SAME CLASS.

**FIFTH SUB-DIVISION
(CLOQUET BRANCH)**

5

WESTWARD

EASTWARD

Water, Fuel, Scales, Turn Tables, Wyes and Yard Limits.	Car Capacity of Sidings.	Station Numbers.	THIRD CLASS			Distance from Carlton.	Time Table No. 77-I		Distance from Cloquet.	THIRD CLASS		
			September 8, 1959		STATIONS		732 734					
			Way Freight		Way Freight		Way Freight			Way Freight		
			Daily Ex. Sun.		Daily Ex. Sun.		Daily Ex. Sun.			Daily Ex. Sun.		
wZ X	Yard	86	L 3.55 PM	L 6.25 AM	0.0	UN.....CARLTON.....PDN	5.9	A 7.15 AM	A 5.00 PM			
		LC4	f 4.05	f 6.35	3.2	.....SCANLON.....	2.7	f 7.05	f 4.48		
wZX	Yard	LC7	A 4.15 PM	A 6.45 AM	5.9	.....CLOQUET.....P	0.0	L 6.55 AM	L 4.40 PM		
			.20	.20		Time Over Sub-Division		.20	.20			
			17.4	17.4		Average Speed Per Hour		17.4	17.4			

**EASTWARD TRAINS ARE SUPERIOR TO WESTWARD TRAINS OF THE SAME CLASS, EXCEPT,
No. 731 is superior to No. 734, Carlton to Cloquet.
No. 733 is superior to No. 732, Carlton to Cloquet.**

6 WESTWARD

**EIGHTH SUB-DIVISION
(INTERNATIONAL FALLS BRANCH)**

EASTWARD

Water, Fuel, Scales, Turn Tables, Wyes and Yard Limits.	Car Capacity of Sidings.	Station Numbers.	SECOND CLASS	FIRST CLASS	Distance from Brainerd.	Time Table No. 77-I		Distance from International Falls.	FIRST CLASS
			621	11		September 8, 1959			12
			Freight	Passenger		STATIONS			Passenger
			Daily Ex. Mon.	Daily		Telegraph Offices and Calls			Daily
wOZTYX	Yard	LX 0	L 4.45 AM	L 1.15 AM ¹²	0.0	B.....	BRAINERD... PDN	200.2	As 1.05 AM ¹¹
	50	LX 10	5.18	s 1.33	10.4		MERRIFIELD.....	189.8	s 12.33
	S10	LX 15		s 1.41	15.3		LAKE HUBERT.....	184.9	s 12.25
	54	LX 17	5.34	s 1.46	17.4	SW.....	NISSWA..... D	182.8	s 12.20
	55	LX 23	5.48	s 1.55	23.4	Q.....	PEQUOT LAKES.... D	176.8	s 12.09
	39	LX 27	5.54	s 2.02	26.6		JENKINS.....	173.6	s 12.02 AM
	55	LX 32	6.07	s 2.13	32.6	RA.....	PINE RIVER..... D	167.6	s 11.50 PM
	S10	LX 36		f 2.20	36.5		MILDRED.....	163.7	f 11.42
	61	LX 42	6.28	s 2.30	41.9	US.....	BACKUS..... D	158.3	s 11.34
	36	LX 50	6.45	s 2.45	49.7	HK....	HACKENSACK..... D	150.5	s 11.20
	S15	LX 57		f 2.58	56.8		CYPHERS.....	143.4	f 11.09
w	61	LX 63	7.17	s 3.12	62.9	W.....	WALKER..... DN	137.3	s 10.58
	S10	LX 70		s 3.27	69.9		BENEDICT.....	130.3	s 10.43
	65	LX 75	7.53	s 3.37	74.9	G.....	LAPORTE..... D	125.3	s 10.36
	33	LX 81	8.10	s 3.52	81.2		GUTHRIE.....	119.0	s 10.27
	S10	LX 86		f 4.00	86.1		NARY.....	114.1	f 10.18
X			8.37	4.15	93.7		BEMIDJI TOWER.....	106.5	10.06
X	Yard	LX 95		s 4.19 4.34	94.7	BM.....	BEMIDJI..... D	107.5	10.03 9.53
			8.37	4.38	93.7		BEMIDJI TOWER.....	106.5	9.49
wOZTYX	Yard	LX 94	A 8.40 AM	As 4.41 AM	94.4	DS...	NORTH BEMIDJI... DN	105.8	L 9.46 PM
			8.55	3.11			Time Over Sub-Division		3.09
			24.1	29.6			Average Speed Per Hour		30.0

EASTWARD TRAINS ARE SUPERIOR TO WESTWARD TRAINS OF THE SAME CLASS.

WESTWARD

**SEVENTH SUB-DIVISION
(BULLHEAD LAKE BRANCH)**

EASTWARD

Water, Fuel, Scales, Turn Tables, Wye and Yard Limits.	Car Capacity of Sidings.	Station Numbers.	Distance from Brainerd.	Time Table No. 77-I		Distance from Kellier.	EASTWARD—Kellier to Funkley.
				September 8, 1959			
				STATIONS			
				Telegraph Offices and Calls			
Y	47	LX 125	124.9		.....	FUNKLEY.....	11.0
	S-2	LY 181	131.2			SHOOKS.....	4.7
	39	LY 136	135.9	K.....		KELLIER..... D	0.0
						Time Over Sub-Division	
						Average Speed Per Hour	

EASTWARD TRAINS ARE SUPERIOR TO WESTWARD TRAINS OF THE SAME CLASS.

Water, Fuel, Scales, Turn Tables, Wyes and Yard Limits.	Car Capacity of Siding.	Station Numbers.	FIRST CLASS		Distance from Brainard.	Time Table No. 77-I		Distance from International Falls.	FIRST CLASS	
			11			September 8, 1959			12	
			Passenger			STATIONS			Passenger	
			Daily			Telegraph Offices and Calls			Daily	
OwZTYX	Yard	LX 94	L	4.41 AM	94.4	DS....NORTH BEMIDJI....DN	105.8	As	9.43 PM	
	48	LX 98	f	4.49	98.5	.....LAVINIA.....	101.7	f	9.36
	89	LX 104	f	4.57	104.1	.....TURTLE RIVER.....	96.1	f	9.26
	53	LX 110	s	5.07	110.5	SJ.....TENSTRIKE.....D	89.7	s	9.16	
	68	LX 113	s	5.12	113.4	.....HINES.....	86.8	s	9.10
w	44	LX 118	s	5.22	118.4	CK.....BLACKDUCK.....DN	81.8	s	9.01	
Y	47	LX 125	s	5.32	124.9	.....FUNKLEY.....	75.3	s	8.50
X	55	LX 134	s	5.51	134.3	N.....NORTHOME.....D	65.9	s	8.34	
	39	LX 139	s	6.02	139.5	MZ.....MIZPAH.....D	60.7	s	8.25	
	42	LX 144	s	6.12	144.3	.....GEMMELL.....	55.9	s	8.16
	36	LX 149	f	6.20	148.6	.....RIDGE.....	51.6	f	8.09
	47	LX 157	s	6.36	156.6	.....MARGIE.....	43.6	s	7.57
	34	LX 166	s	6.53	165.7	R.....BIG FALLS.....D	34.5	s	7.43	
	44	LX 167	f	6.56	166.7	.....GRAND FALLS.....	33.5	f	7.40
	8-13	LX 172	f	7.05	171.6	.....WAUKANHA.....	28.6	f	7.32
	36	LX 176	f	7.13	175.7	.....WISNER.....	24.5	f	7.24
	42	LX 184	s	7.28	184.0	F.....LITTLE FORK.....D	16.2	s	7.11	
	78	LX 193	f	7.45	193.3	.....NAKODA.....	6.9	f	6.57
wYX	Yard	LX 200	A	8.00 AM	200.2	FNINTERNATIONAL FALLSDN	0.0	L	6.45 PM	
				8.19		Time Over Sub-Division			2.58	
				31.9		Average Speed Per Hour			35.6	

EASTWARD TRAINS ARE SUPERIOR TO WESTWARD TRAINS OF THE SAME CLASS.

RAILROAD CROSSINGS AND INTERLOCKINGS

First Sub-Division—

ASHLAND
C. & N. W. Crossing.
ASHLAND JCT.
C. & N. W. Crossing.

Second Sub-Division—

CENTRAL AVENUE
G. N. Crossing—Interlocked.
POKEGAMA
D. M. & I. R. Crossing—Interlocked.
STATE LINE
G. N. Crossing—Interlocked.
CARLTON
Third Sub-Div. Crossing—Interlocked.
McGREGOR
Soo Line Crossing—Interlocked.
STAPLES
St. Paul Division Junction—Interlocked.

Third Sub-Division—

CARLTON
Second Sub-Div. and G. N. Crossings—Interlocked.
HINCKLEY
G. N. Crossing—Interlocked.
BALD EAGLE
Soo Line Crossing—Automatic Interlocking.

Fifth Sub-Division—

CARLTON
Third Sub-Division Junction—Interlocked.

Eighth Sub-Division—

BETWEEN BENEDICT AND WALKER.
G. N. Crossing.
BEMIDJI TOWER
G. N.—Automatic Interlocking.

AUTHORIZED SURGEONS

Dr. B. I. Derauf, Chief Surgeon..... St. Paul
 Dr. A. McEwan,
 Dr. Donald Derauf,
 Dr. H. S. Proud,
 Dr. C. J. Hedlund,
 Dr. R. M. Ahrens,
 Dr. J. E. Brown.

Associate Surgeons,
 N. P. B. A. Hospital,
 1515 Charles St.
 St. Paul

LOCAL SURGEONS

Dr. R. R. Cranmer..... Minneapolis
 Dr. D. M. Thysell..... Minneapolis
 Dr. T. S. McClanahan..... White Bear Lake (s)
 Dr. A. K. Stratte..... Pine City
 Dr. E. G. Nethercott..... Pine City
 Dr. Luther A. Nelson..... Rush City (s)
 Dr. H. W. Henry..... Hinckley
 Dr. Thomas Moe..... Moose Lake
 Dr. E. O. Hanson..... Carlton
 Dr. J. K. Butler..... Cloquet
 Dr. J. W. McGill..... 1225 Tower Ave., Superior
 Dr. Victor E. Ekblad..... 1507 Tower Ave., Superior
 Dr. C. M. Smith..... 416 Medical Arts Bldg., Duluth
 Dr. C. L. Haney..... 2004 W. Superior St., Duluth
 Dr. Noel Tosseland..... 706 Medical Arts Bldg., Duluth
 Dr. A. J. Spang.....
 Dr. J. S. Spang.....
 Dr. W. M. Spang.....
 Dr. R. J. Deutsch.....
 Dr. J. W. Prentice..... Ashland (s)
 Dr. B. C. Prentice..... Ashland
 Dr. H. T. Petraborg..... Aitkin
 Dr. James B. Nixon..... Crosby
 Dr. Roger E. Kelley..... Crosby
 Dr. C. M. Marshall..... Crosby
 Dr. Maurice Meller..... Brainerd
 Dr. G. I. Badeaux..... Brainerd
 Dr. John H. Aga..... Brainerd
 Dr. V. E. Quanstrom..... Brainerd
 Dr. W. J. Lund..... Staples (s)
 Dr. C. F. Reichelderfer..... Staples
 Dr. O. F. Ringle..... Walker (s)
 Dr. Hector M. Brown..... Walker
 Dr. E. W. Johnson..... Bemidji (s)
 Dr. L. C. Lundsten..... Bemidji
 Dr. W. F. Cantwell..... International Falls (s)
 Dr. F. H. Walter..... International Falls
 Dr. G. W. Franklin..... Northome

LOCATION OF STRETCHERS

St. Paul—
 General Office Bldg., Room 604.
 4th Street Yard.
 Mississippi St. Roundhouse.
 Mississippi St. Yard Office.
 Como Shops.
 Third St. Yard.

Duluth—
 Store Room, Rice's Point.
 5th Ave. Yard Office.
 Union Depot.
 Car Shops.
 Roundhouse.
 Tool Car.

West Duluth
 Ashland Freight Station.
 Iron River.

Minneapolis—
 Lower Yard Office.
 Tool Car.
 Northtown Yard.
 Northtown Roundhouse.

Superior—
 Freight Station.
 Central Ave.
 East End Yard Office.
 Ore Dock.

Wyoming—

Hinckley—
 Carlton.
 Brainerd Passenger Station.
 Brainerd Shops.
 North Bemidji.

SPECIALISTS

Dr. R. H. Monahan, Oculist..... 1023 Lowry Bldg., St. Paul
 Dr. E. L. Bauer, Ear, Nose & Throat, 621 Lowry Bldg., St. Paul
 Dr. L. T. Simons, Eye, Ear, Nose &
 Throat..... 1039 Lowry Bldg., St. Paul
 Dr. L. G. Edwards..... 1039 Lowry Bldg., St. Paul
 Dr. Richard C. Horns, Oculist, 1137 Medical Arts Bldg., Minneapolis
 Dr. M. F. Fellows, Oculist and Aurist, 1209 Medical Arts Bldg.,
 Duluth.
 Dr. T. J. Doyle, Eye, Ear, Nose & Throat..... 1507 Tower Ave.,
 Superior.
 Dr. W. O. McLane, Eye, Ear, Nose & Throat..... Brainerd

C. M. ST. P. & P. SURGEONS

Dr. Cyril M. Smith..... 416 Medical Arts Bldg., Duluth

NOTE

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

Where injuries, to other than N. P. B. A. members, 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.

COMMERCIAL SPURS

	Miles From Duluth	Car Capacity
First Subdivision		
A & B Cooperative Spur.....	73.7	7
Second Subdivision		
Zenith Gravel Pit Spur.....	29.8	30
Third Subdivision		
Gorham Spur.....	87.7	2
Winnick Spur.....	127.5	5
Miles From Brainerd		
Eighth Subdivision		
Bemidji Bottle Gas Co. Spur.....	38.0	5
State Sanitarium Spur.....	60.1	5

S. A. ANDERSON,
Asst. Superintendent.

J. J. AUGÉ,
Trainmaster.

J. F. PETERSON,
Trainmaster.

C. E. JOHNSON,
Trainmaster-Roadmaster.

E. J. WIGG,
Chief Dispatcher.