

B. V. Form No. 563
Great Northern Railway Company
 Owner **Do**
 Operating Company
 Division **State Minnesota**
 Valuation Section No. **Minn. 40**
 From **M.P. 121.869** to **M.P. 112.180**
9.688 Miles Main Line, **22.120** Miles all Tracks, **WHOLLY OWNED AND USED**

INTERSTATE COMMERCE COMMISSION
 BUREAU OF VALUATION

SUMMARY SHEET

Date of Inventory as of **June 30**, 19**22**
 Date Compiled **February 15**, 19**22**
 Compiled by **C.A.K. - R. W. P.**
 Correct **Louis Frank** Engineer.
 Approved **Carl E. Witt** Engineer.

B. and E. Account Number.	CLASSES.	ORIGINAL COST TO DATE.	COST OF REPRODUCTION.		B. and E. Account Number.	REMARKS.
			(4) New.	(5) Less Depreciation.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	I. ROAD:	\$	\$	\$		
1	Engineering		30,534	30,534	1	
2	Land for transportation purposes,				2	
3	Grading,		498,056	498,020	3	
4	Underground power tubes,				4	
5	Tunnels and subways,				5	
6	Bridges, trestles, and culverts,		35,582	24,500	6	
7	Elevated structures,				7	
8	Ties,		37,459	18,730	8	
9	Rails,		62,251	55,879	9	
10	Other track material,		27,857	20,639	10	
11	Ballast,		31,708	26,952	11	
12	Track laying and surfacing,		48,143	37,070	12	
13	Right-of-way fences,		80	39	13	
14	Snow and sand fences and snowbeds,		83	42	14	
15	Crossings and signs,		7,311	6,479	15	
16	Station and office buildings,		2,246	1,625	16	
17	Roadway buildings,		2,525	1,880	17	
18	Water stations,		4,354	4,267	18	
19	Fuel stations,				19	
20	Shops and engine houses,				20	
21	Grain elevators,				21	
22	Storage warehouses,				22	
23	Wharves and docks,				23	
24	Coal and ore wharves,				24	
25	Gas producing plants,				25	
26	Telegraph and telephone lines,				26	
27	Signals and interlockers,		5,121	4,099	27	
28	Power dams, canals, and pipe lines,				28	
29	Power plant buildings,				29	
30	Power substation buildings,				30	
31	Power transmission systems,				31	
32	Power distribution systems,				32	
33	Power line poles and fixtures,				33	
34	Underground conduits,				34	
35	Miscellaneous structures,				35	
36	Paving,				36	
37	Roadway machines,		366	247	37	
38	Roadway small tools,		216	108	38	
39	Assessments for public improvements,				39	
40	Revenues and operating expenses during const.				40	
41	Cost of road purchased,				41	
42	Reconstruction of road purchased,				42	
43	Other expenditures—Road,				43	
44	Shop machinery,				44	
45	Power plant machinery,				45	
46	Power substation apparatus,				46	
47	Unapplied construction material and supplies,				47	
	Total, 1 to 47, inclusive		793,892	731,110		
	II. EQUIPMENT:					
51	Steam locomotives,				51	
52	Other locomotives,				52	
53	Freight-train cars,				53	
54	Passenger-train cars,				54	
55	Motor equipment of cars,				55	
56	Floating equipment,				56	
57	Work equipment,				57	
58	Miscellaneous equipment,				58	
	Total, 51 to 58, inclusive,					
	III. GENERAL EXPENDITURES:					
71	Organization expenses,				71	
72	General officers and clerks,				72	
73	Law,				73	
74	Stationery and printing,				74	
75	Taxes,				75	
77	Other expenditures—General,				77	
76	Interest during construction,				76	
	Total, 71 to 77, inclusive,					
	Grand total, 1 to 77, inclusive,					
	Grand total—Other,					

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INTERSTATE COMMERCE COMMISSION
BUREAU OF VALUATION

Owner **Great Northern Railway Company**

Sheet No. _____ of this valuation section.

Divisional Section No. **Minnesota 40** Miles Main Line, _____ Miles all Tracks.*Approved: **O. R. Spencer**

LOCATION.	CHARACTER OF PROPERTY AND DESCRIPTION.	Condition Per Cent.	Per Cent of Cost to be Replaced	UNIT.	NUMBER OF UNITS.	COST OF REPRODUCTION.		
						Per Unit.	New Total.	Less Depreciation.
		(1)	(2)		(3)	(4)	(5)	(6)
Acct. No. 5	Title GRADING (I. C. C. Classification)					\$	\$	\$
M. P. 121.869 to M.P. 112.180 - Kelly Lake to Flanders								
All Tracks								
	Clearing	100		Acre	113.4	50.00	5,670	5,670
	Grubbing	100		"	18.42	217.00	3,997	3,997
	Excavation, common	100		Cu. Yd.	252712	0.54	85,922	85,922
	" hard pan	100		"	2264	0.43	982	982
	" loose rock	100		"	14480	0.50	7,240	7,240
	" solid "	100		"	10657	1.20	12,788	12,788
	Embankment Borrow, common	100		"	488759	0.54	166,178	166,178
	Steam Shovel Borrow	100		"	212050	0.195	41,350	41,350
	Team Overhaul, 500' Free Haul	100		Cu. Yd. Sta.	1081547	0.0125	13,519	13,519
	Train Haul	100		Cu. Yd.	652350		118,995	118,995
	Subsidence	100		"	119714	0.35	59,506	59,506
Protection of Roadway								
	Excavation, common - Ditches	100		"	5023	0.54	1,708	1,708
	Sundry Items	82					201	168
Total for Valuation Section					100		498,056	498,020

Account 6 - BRIDGES, TRESTLES AND CULVERTSApproved: **P. B. Sheets****Pile and Frame Trestles**

7 Timber Trestles: total length 970 feet

Piling - untreated	87	Lin. Ft.	15799	0.53	8,573	7,285
Stringers "	87	M. B. M.	92.400	43.00	3,973	3,457
Other Timber	87	"	85.500	40.80	3,407	2,964
Iron	87	Lb.	21124	0.04	845	735
Galv. Iron	87	"	15049	0.05	752	654
Sundry Items	87				13	11

Total Pile and Frame Trestles

87

17,363

15,106

Masonry Culverts

1 Masonry Culvert - span 4'

Reinforced Concrete	100	Cu. Yd.	94.3	10.86	1,024	1,024
Reinforcing Steel	100	Cwt.	28.50	3.05	87	87

Total Masonry Culverts

100

1,111

1,111

Pipe and Timber Culverts

33 Wood Box Culverts

1 Cast Iron Pipe Culverts 36"

Excavation Dry, Common

Sundry Items

33 Wood Box Culverts	45	M. B. M.	356.936	43.75	14,741	6,633
1 Cast Iron Pipe Culverts 36"	92	Net Ton	24.073	38.75	933	858
Excavation Dry, Common	45	Cu. Yd.	1587	0.50	794	357
Sundry Items	68				640	435

Total Pipe and Timber Culverts

48

17,108

8,283

Total for Valuation Section

67

35,582

24,500

Account 8 - TIESApproved: **Louis Hood****Main Track**

Cross ties 7x9 tamarack

" " 6x6 "

" " 7x9 cedar

" " 6x6 "

Bridge ties fir treated

Crossing ties fir

Switch ties fir treated

" " oak

Cross ties 7x9 tamarack	50	Each	22021	.52	11,451	
" " 6x6 "	50	"	2547	.52	1,324	
" " 7x9 cedar	50	"	2858	.57	1,629	
" " 6x6 "	50	"	408	.57	231	
Bridge ties fir treated	50	M. B. M.	23.016	25.07	552	
Crossing ties fir	50	"	2.117	20.40	43	
Switch ties fir treated	50	"	5.874	25.07	147	
" " oak	50	"	24.650	30.06	741	

Total Main Track

50

16,118

8,059

Revised page prepared by direction
of the Commission Jan. 3, 1928.

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INTERSTATE COMMERCE COMMISSION
BUREAU OF VALUATION

Sheet No. _____ of this valuation section.

Owner Great Northern Railway CompanyApproved: Louis HoodVal. Section No. Minn. 40 Miles Main Line, _____ Miles all Tracks, _____

LOCATION.	CHARACTER OF PROPERTY AND DESCRIPTION.	Condition Per Cent.	Per Cent. of Cost New.	UNIT.	NUMBER OF UNITS.	COST OF REPRODUCTION.		
						Per Unit.	New, Total.	Less Depreciation.
(1)				(3)	(5)	(4)	(6)	(7)
	Acct. No. <u>8</u> Title <u>TIES (cont'd)</u>					\$	\$	\$
	(I. C. C. Classification)							
	<u>Yard Tracks and Sidings</u>							
	Cross ties 7x7 tamarack	50		Each	1759	.52	915	
	" " 6x6 "	50		"	32154	.52	16,720	
	Bridge ties fir treated	50		M.B.M.	24,296	25.07	609	
	" " "	50		"	9,504	20.40	194	
	Crossing ties oak	50		"	0,800	30.06	24	
	Switch ties fir treated	50		"	114,829	25.07	2,879	
	Total Yard Tracks and Sidings	50					21,341	10,671
	Total for Valuation Section			50			37,459	18,730

Account 9 - RAILS

Approved: C. H. Spencer

<u>Main Track - 9,688 Miles.</u>								
Relay 77.5# Bessemer Rail, 1902,	0.159 Track Miles	76	87	Gr. Ton	16,999	24.00	408	355
" 75# " " 1888	9.549 " "	76	87	"	1125,368	24.00	27,009	23,498
Total Main Track			87				27,417	23,853
<u>Yard Tracks and Sidings - 12,432 Miles</u>								
New 80#-85# Bessemer Rail, 1906-1910, 0.026 Track Miles		100	100	Gr. Ton	3,261	31.55	103	103
Relay 75#-85# " " 1888-1906, 11.954 " "		85	92	"	1432,093	24.00	34,370	31,620
" 60# " " 1886-1890, 0.160 " "		70	84	"	15,054	24.00	361	308
Total Yard Tracks and Sidings			92				34,834	32,026
Total for Valuation Section			80				62,251	55,879

Account 10 - OTHER TRACK MATERIAL

Approved: C. H. Spencer

<u>Main Track</u>								
Relay 75# Angle Bars, 1888-1902		76	84	Cwt.	2339.90	1.40	3,276	2,742
Spikes 9/16"x5-1/2"		50		"	894.93	1.85	1,286	643
Bolts 3/4"x3-3/4"		76	81	"	198.91	2.40	477	384
Tie Plates		76	82	"	2279.17	1.70	3,875	3,191
Spring Frogs, 75#-85# Steel		50	57	Each	8		351	201
Rigid " 75#-#9-15' Steel		50	57	"	3	45.15	135	77
Split Switches 75#-85# "		50	58	"	11		474	273
High Switch Stands		76	79	"	10	10.30	103	81
Switch Guard Rail		66	70	Cwt.	127.38	3.70	471	332
Crossing Frog, 80# Built up Steel, double track		50	55	Each	1	480.25	480	265
Sundry Items		65	67				290	195
Total Main Track			75				11,218	8,384
<u>Yard Tracks and Sidings</u>								
Relay 75#-80# Angle Bars, 1888-1906		81	87	Cwt.	2935.99	1.40	4,108	3,586
Spikes 9/16"x5-1/2"		50		"	934.99	1.85	1,730	865
Bolts 3/4"x3-3/4"		80	84	"	199.61	2.40	479	401
Tie Plates		85	89	"	1921.33	1.70	3,266	2,906
Spread Rods		76	82	"	144.74	1.85	268	219
Rigid Frogs 75#-80# Steel		50	57	Each	42		1,862	1,059
Split Switches 75# - 80# Steel		50	57	"	42		1,804	1,037
High Switch Stands		76	81	"	3	10.30	31	25
Low " "		76	78	"	45		372	292
Switch Guard Rail		71	75	"	444.01	3.70	1,643	1,228
Crossing Frogs 75#-80# Built up Steel		50	55	"	2		799	441
Sundry Items		68	71				277	196
Total Yard Tracks and Sidings			74				16,639	12,255
Total for Valuation Section			74				27,857	20,639

Revised page prepared by direction
of the Commission Jan. 3, 1928.

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INTERSTATE COMMERCE COMMISSION
BUREAU OF VALUATION

Owner **Great Northern Railway Company**

Sheet No. _____ of this valuation section.

Val. Section No. **Minnesota 40** Miles Main Line, _____ Miles all Tracks.*

Approved: **G. H. Spencer**

LOCATION.	CHARACTER OF PROPERTY AND DESCRIPTION.	Condition Percent.	UNIT.	NUMBER OF UNITS.	COST OF REPRODUCTION.		
					Per Unit.	New, Total.	Less Depreciation.
(1)			(2)	(3)	(4)	(5)	(6)
Acct. No. 11	Title BALLAST				\$	\$	\$
	(B. V. Classification)						
Main Track							
	Gravel Ballast from Kelly Lake, average haul 5.5 Miles	85	Cu. Yd.	57817	.31	17,923	15,235
	Total Main Track	85				17,923	15,235
Yard Tracks and Sidings							
	Gravel Ballast from Kelly Lake, average haul 3.4 Miles	85	Cu. Yd.	49233	.28	13,785	11,717
	Total Yard Tracks and Sidings	85				13,785	11,717
	Total for Valuation Section	85				31,708	26,952

Account 12 - TRACKLAYING AND SURFACING

Main Track							
	Tracklaying and Initial Surfacing 90# to 61# Rail		Mile	9.688	950.00	9,204	
	Tracklaying 75# Inner Guard Rail		"	0.020	586.00	12	
	Placing Gravel Ballast		Cu. Yd.	57817	.23	13,298	
Yard Tracks and Sidings							
	Tracklaying and Initial Surfacing 90# to 61# Rail		Mile	12.272	850.00	10,431	
	Tracklaying and Initial Surfacing 60# to 50# Rail		"	0.160	800.00	128	
	Tracklaying 77-1/2# Inner Guard Rail		"	0.005	586.00	3	
	Placing Gravel Ballast		Cu. Yd.	49233	.23	11,324	
All Tracks							
	Placing turnouts 90# to 61# with stand		Each	53	32.50	1,722	
	Placing Tie Plates		"	96797	.0125	1,210	
	Placing and Framing Bridge Ties		M.B.M.	55.816	10.25	572	
	Sundry Items					239	
	Total for Valuation Section	77				48,143	37,070

Account 13 - RIGHT-OF-WAY FENCES

Approved: H. J. Saunders
Supervising Engineer.

All Tracks-0.348 Miles Fence							
	Cedar Posts - 7'	50	Each	139	0.14	19	10
	Labor Setting Posts	50	"	139	0.12	17	8
	Barbed Wire	50	Cwt.	2.07	2.45	5	2
	Woven "	50	"	7.00	2.40	17	8
	Sundry Items	50				22	11
	Total for Valuation Section	50				80	39

Account 14 - SNOW AND SAND FENCES AND SHOWSHEDS

All Tracks							
	51 Panels Portable Snow Fence						
	Fir	50	M.B.M.	2.963	26.50	79	40
	Iron	50	Lb.	75	0.05	4	2
	Total for Valuation Section	50				83	42

Revised page prepared by direction
of the Commission Jan. 3, 1928.

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Great Northern Railway Company

INTERSTATE COMMERCE COMMISSION
BUREAU OF VALUATION

Sheet No. _____ of this valuation section.

Owner _____

Minnesota 40

Approved: G. H. Spencer

Val. Section No. _____

Miles Main Line, _____

Miles all Tracks,* _____

LOCATION.

CHARACTER OF PROPERTY AND DESCRIPTION.

Where but a single percentage is stated it represents both percents.

Condition
Per Cent.

Per Cent.
of Cost
New.

UNIT.

NUMBER OF
UNITS.

COST OF REPRODUCTION.

Per Unit.

New Total.

Less Depreciation.

(1)

(2)

(3)

(4)

(5)

(6)

15 CROSSINGS AND SIGNS

Acct. No.

Title

(I. C. C. classification.)

Kelly Lake to Flanders

Overgrade Crossings

Overgrade Highway Crossing, Hibbing, Mile 120.0

18 ft. wide, 244 ft. long, 14 span pile trestle:

built 1914

Piling

98

Lin.Ft.

850

0.53

451

442

Timber

98

M.B.M.

32,500

35.10

1,173

1,180

Embankment

100

Cu.Yd.

910

0.28

255

255

Iron

98

Lb.

770

0.04

31

30

Total

98

1,910

1,877

Overgrade Crossing for Arthur Mining Company

7 span pile trestle, 100 ft. long, built 1915

Piling

85

Lin.Ft.

2260

0.53

1,198

1,018

Lumber

85

M.B.M.

16,500

35.10

595

507

Iron

85

Lb.

2190

0.04

86

75

Total

85

1,882

1,600

Total Overgrade Crossings

92

3,792

3,477

29 Grade Crossings

Embankment, common

100

Cu.Yd.

5665

0.34

1,926

1,926

Planking

50

M.B.M.

11,029

32.75

361

180

18" Corrugated Iron Pipe

90

Lin.Ft.

231

1.25

289

260

36" " " "

90

"

110

3.40

374

337

Sundry Items

42

250

109

Total Grade Crossings

88

3,210

2,812

Signs

Mile Markers and Other Signs

50

Each

92

201

100

Sundry Items

85

108

90

Total Signs

49

309

190

Total for Valuation Section

89

7,311

6,479

Account 16 - STATION AND OFFICE BUILDINGS

Approved: J. A. GalvinSoranton, Mine Spur, Mile 120.0Cinder Platform

332 sq.ft.

80

Each

1

56

45

Sidewalk, 5210 sq.ft., frame

80

461

369

Total Soranton Mine Spur

80

517

414

Mahoning Spur, Mile 121.0Passenger and Freight Depot

One story, 18'x42': frame, built 1900

70

"

1

1,478

1,035

Furniture

70

46

32

Platform, 905 sq.ft., cinder

70

"

1

158

111

Total Mahoning Spur

70

1,682

1,178

Station Signs

located at Mahoning Spur, Stanton Mine

Spur,

Danwoody Mine Spur: Eddy Mine

70

Each

6

47

38

Total for Valuation Section

72

2,246

1,625

INTERSTATE COMMERCE COMMISSION BUREAU OF VALUATION

Owner **Great Northern Railway Company**

Sheet No. _____ of this valuation section.

Val. Section No. **Minn. 40** Miles Main Line, _____ Miles all Tracks, _____Approved: **J. A. Galvin**

12-000

LOCATION, CHARACTER OF PROPERTY AND DESCRIPTION. Where but a single percentage is stated it represents both per cents.

(1)	Condition Per Cent.	Per Cent of Cost New.	UNIT (7)	NUMBER OF UNITS. (8)	COST OF REPRODUCTION.		
					Per Unit. (4)	New, Total. (5)	Less Depreciation. (6)
					\$	\$	\$

Acct. No. **17** Title **ROADWAY BUILDINGS**
(I. C. C. class Section.)**Emert, Mile 117.0****Section House**

Two story, 30'x30'; frame: built 1903

75

Each

1

2,222

1,667

Tool House

8'x12'; frame: built 1903

70

"

1

91

64

Tool House

8'x12'; frame: built 1903

70

"

1

91

64

Sundry Items

70

121

85

Total Emert

74

2,525

1,880

Total for Valuation Section

74

2,525

1,880

Account 18 - WATER STATIONSApproved: **F. B. Scheetz****Emert, Mile 117.0****Pump House**

12'x14'; built 1914

98

Each

1

306

300

Equipment

98

857

840

Total

98

1,163

1,140

Tank

24' dia. x 16'; wood tub steel grill: built 1914

98

"

1

2,126

2,083

Well

12'x23'x9'; wood lined: built 1914

98

"

1

508

498

Total Emert

98

3,797

3,721

Mile 117.0**Gasoline Celler**

5'x12'x5'; 400 gal. tank and piping

98

"

1

557

546

Total for Valuation Section

98

4,554

4,267

Account 27 - SIGNALS AND INTERLOCKERSApproved: **F. T. Oakley**
Senior Structural Engineer**Mechanical Interlocking Plant at Emert**

19 Working levers: installed 1903

Used by D.M. & N. and G.N. Rys.

100% owned by G.N. Ry.

Interlocking

80

3,816

3,053

Tower Building

80

997

798

Supply House

80

160

128

Sundry Items

80

35

28

Tool and Furniture

80

94

75

Total

80

5,102

4,082

Swift Train Order Signal at Emmett

90

19

17

Total

90

19

17

Total for Valuation Section

80

5,121

4,099

INTERSTATE COMMERCE COMMISSION
BUREAU OF VALUATIONOwner **Great Northern Railway Company**

Sheet No. _____ of this valuation section.

Val. Section No. **Min. 40** Miles Main Line, _____ Miles all Tracks.*Approved: **O. H. Kessler**
Senior Mechanical Engineer

LOCATION. _____ Where but a single percentage is stated it represents both per cents.
 CHARACTER OF PROPERTY AND DESCRIPTION. _____
 (1) _____

Acct. No.	Title	Condition Per Cent.	Per Cent at Cost New.	UNIT.	NUMBER OF UNITS.	COST OF REPRODUCTION.		
						Per Unit. (4)	New, Total. (5)	Less Depreciation. (6)
	ROADWAY MACHINES (I. C. C. classification)					\$	\$	\$
	Hand Cars 8 man capacity	70	70	Each	9	26.75	241	169
	Push Cars 5000# capacity	60	60	"	5	19.67	98	59
	Velocipedes #1: Sheffield	70	70	"	1	26.60	27	19
	Total for Valuation Section		67				366	247

Account 33 - ROADWAY SMALL TOOLS

	Section Data	50		Set	2	108.10	216	108
	Total for Valuation Section		50				216	108