

NORTHERN PACIFIC RAILWAY COMPANY  
AUTHORITY FOR EXPENDITURE



Year: 1922

Superintendent's No. 13 Dept. No. 13  
No. 13 Engineering Dept. No.

A. F. E. No. 137

Lake Superior Div. Main Line District State Minn. Val. Sec. No. 12  
Branch

AUTHORITY IS REQUESTED FOR A NET EXPENDITURE OF \$ 4,047

Accounting distribution as follows: (Distribution to be made in General Office.)

	Operating Expenses	Profit and Loss	Net Operating Expenses	Net Profit and Loss
Cost of property retired	\$ 425	\$	\$ 390	\$
Value of salvage	36			
Incidental costs			2,425	
Total to Operating Expenses				\$ 2,815
Total to Profit and Loss				
To Material and Supplies				36
To Bills for Collection - W. U. Telegraph Company				1,927
To Other Accounts				
Net charge to investment account - Additions and Betterments				1,832
Total of distribution				\$ 6,610

Budget reference: In Budget Original Cost Adjustment NOV 1921 Class of Work: No. 13

Joint facility contract reference: None Made in NOV 1921

The location is - - - on this company's property. To secure rights, it will be necessary Original Cost Adjustment 1923

Location: BETWEEN BRAINERD AND STAPLES, MINN.

Title Repairs to joint N.P. - W.U. Telegraph Line.

Reason: This is a portion of the main line between Staples and Duluth. It was last reconstructed in 1903 with 25-ft. class B, Eastern Cedar poles, spaced 30 per mile, and is equipped with two to three 6-pin crossarms, carrying from 10 to 18 telegraph and telephone wires. The line also carries the automatic block signals in the vicinity of Staples and Brainerd.

An inspection made by representatives of the Railway Company and the Western Union Telegraph Company shows that approximately 50 % of the poles in the line have deteriorated to the point where they must be replaced or reinforced in order to maintain reliable service on this line.

It is proposed to reset all defective poles which are of sufficient length to provide proper clearance; to reinforce those defective poles which are in good condition above the ground line and to replace all other defective poles and all defective material.

Work to be done by ~~company force~~ under charge of Superintendent of Telegraph

Accounting to concentrate in the office of Superintendent of Telegraph

Signature and Title: E. C. [Signature] Date February 2, 19 22

APPROVED:

General Superintendent.	Prin. Asst. Engr. or Engr. Maint. of Way.	Assistant General Manager.
Mech. Supt., Supt. Telgh. or Signal Engr.		
Chief Engineer.	General Manager.	Vice President.
<u>[Signature]</u> General Auditor & Comptroller.	<u>Charles [Signature]</u> President.	Date of Final Approval } FEB 2 1922 19

H-F COMPTROLLER'S RECORD OF NOTICE OF APPROVAL AND OF COMPLETION

Form No. 1345 issued 1922 19 Work begun 1922 19 Work finished May 23, 1923

Class C, Eastern Cedar poles will be used for this replacement.

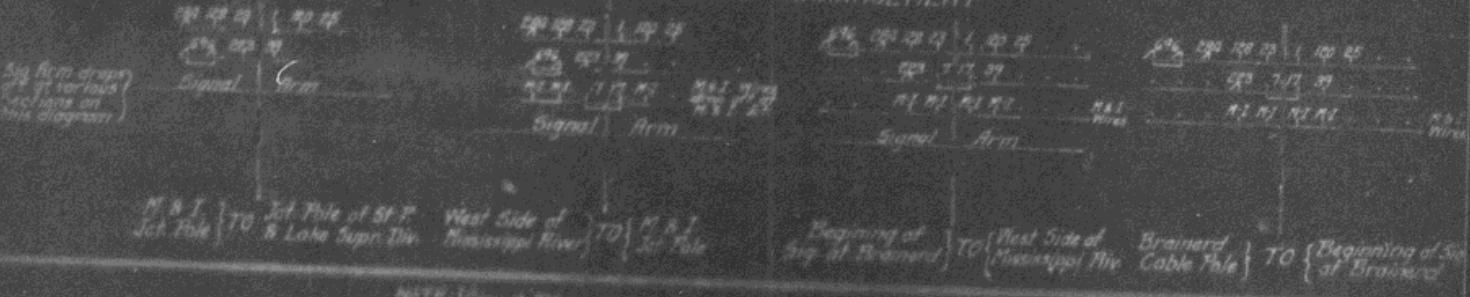
The present pole crosses on corners will be replaced with 6000-lb. guy struts and uncovers. Crossarms on corner poles will be strengthened by attaching the arm with a cross-arm bolt in place of the present lag bolts. Three fixtures will be attached to the bridge at the Mississippi River crossing at Graines in order to shorten the present long span at that point.

The work will be done under the terms of the Modus Vivendi agreement between the Railway and Telegraph companies, whereby the Railway Company furnishes the labor and the Telegraph Company the material -- the cost of both labor and material being divided upon the basis of the use of wires on this line.

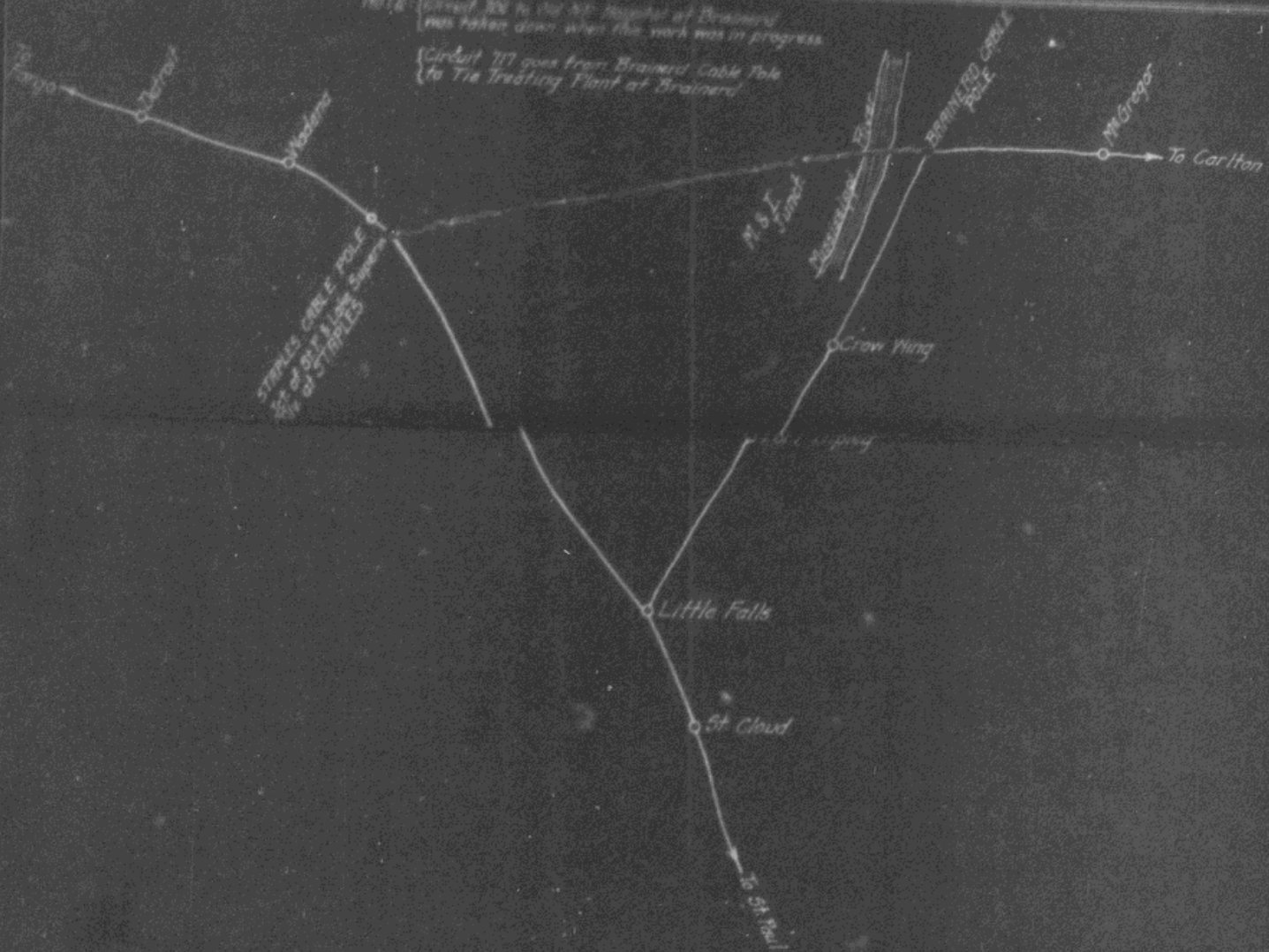
PRESENT ARRANGEMENT



PROPOSED ARRANGEMENT



NOTE: Street SW to the NE. Hospital of Brainerd was taken down when this work was in progress.  
 Circuit 717 goes from Brainerd Cable Pole to Tie Treating Plant at Brainerd.

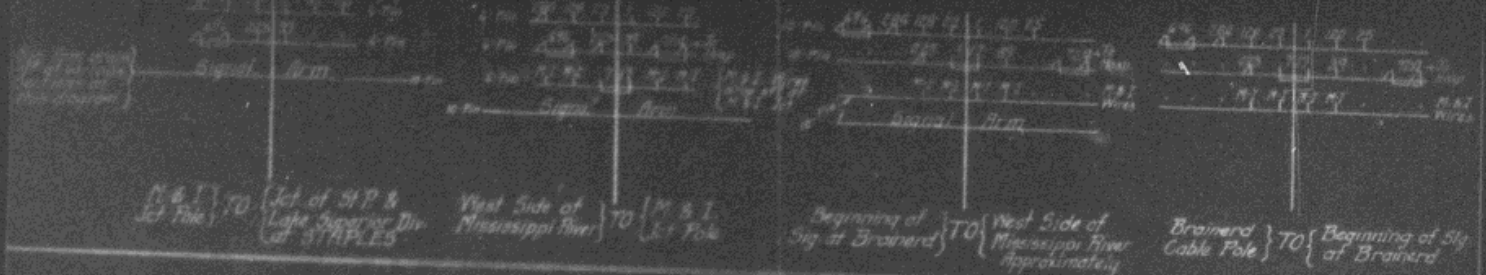


Northern Pacific Railway Co.  
 Telegraph Department  
 Completion Report Covering Repairs & Reset  
 Between

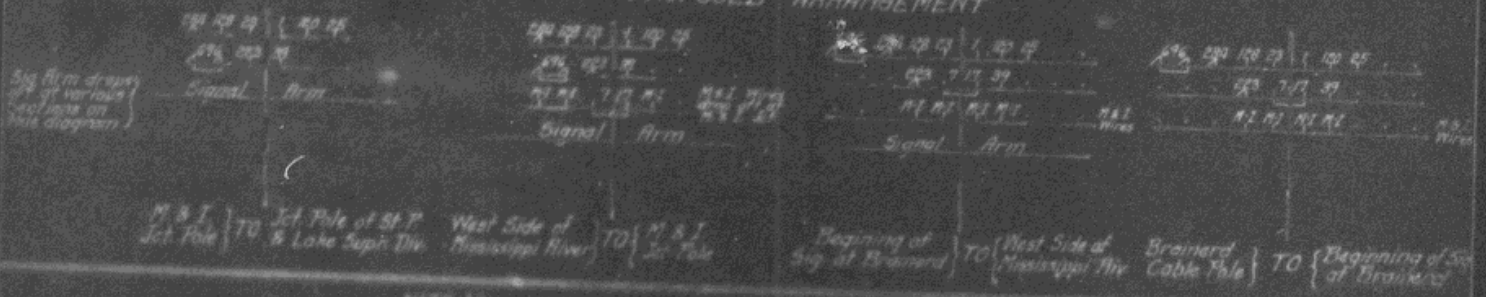
BRAINERD CABLE POLE TO { Jct. Pole of St. P. & Lake Superior Div. at STAPLES

N.P. R.F.E. - 137 of 1922  
 W.U. E.S.T. - 523 of 1922

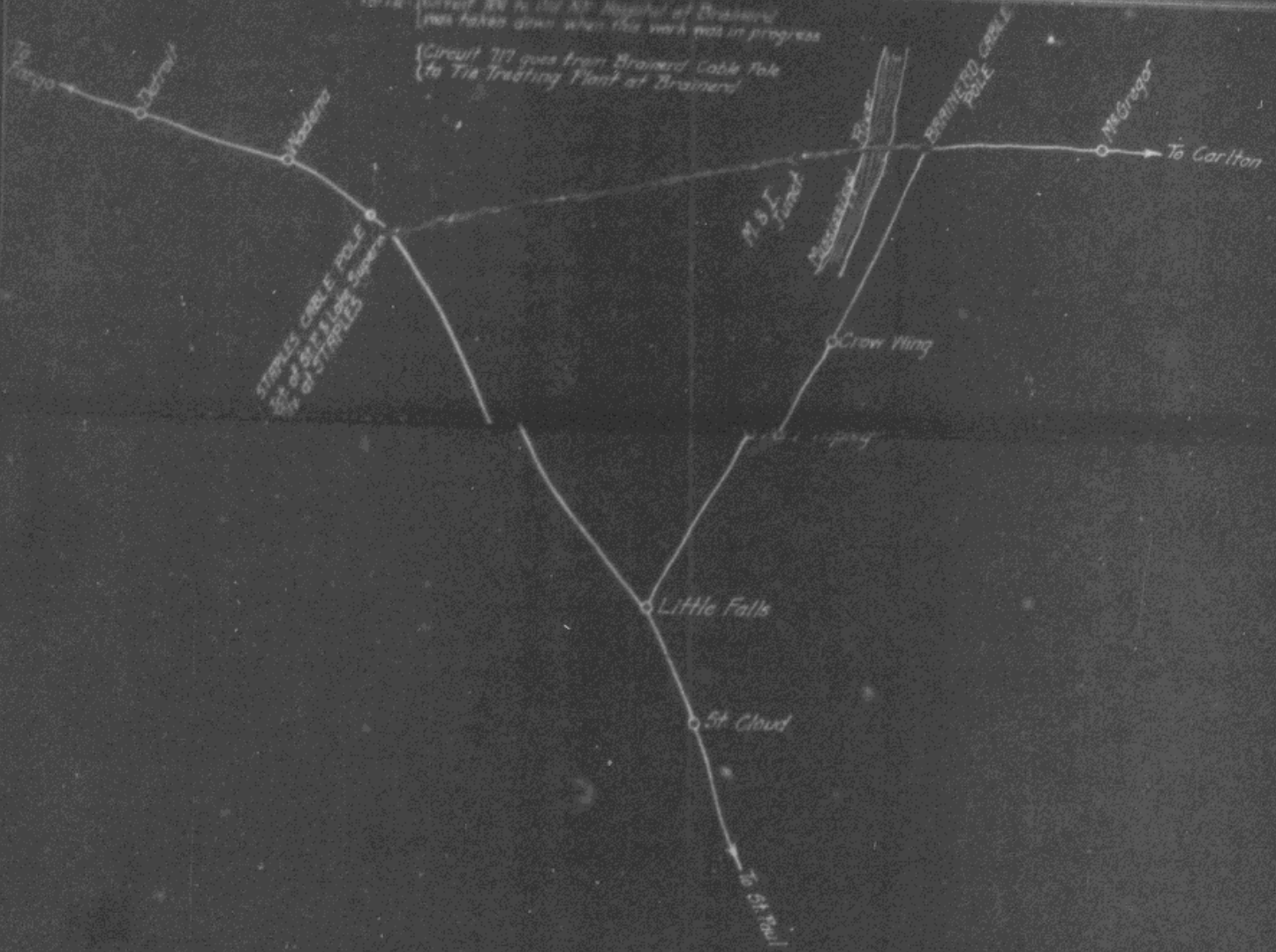
State of Minn.: Vol. Section "12": Lake Superior Div.  
 Work Started March, 17th 1923  
 Work Completed May, 23rd 1923.



**PROPOSED ARRANGEMENT**



NOTE: Circuit 70 to the NE Hospital at Brainerd was taken down when this work was in progress.  
 (Circuit 717 goes from Brainerd Cable Pole to Tie Treating Plant at Brainerd)



Northern Pacific Railway Co  
 Telegraph Department  
 Completion Report Covering Repairs & Reset  
 Between  
 BRAINERD CABLE POLE TO { Jct Pole of St. P & Lake Superior Div. at STAPLES  
 N.P. R.F.E. - 137 of 1922  
 W.U. EST. - 523 of 1922  
 State of Minn. Vol. Section "E": Lake Superior Div.  
 Work Started March, 17th 1923  
 Work Completed May, 23rd 1923  
 File E-720