Form 1363 5M 6-22 "B"

NORTHERN PACIFIC RAILWAY CO.

AUTHORITY FOR EXPENDITURE

1926 1926 1926

Year: 1926

A. F. E. NO. 193

Superintendent's No. Telegraph Dept. No. 7
No. Engineering Dept. No.

Val. Sec. No. 3 Mont.

Montana Div. Main Line District Branch State Mont.

AUTHORITY IS REQUESTED FOR A NET EXPENDITURE OF $5,384.

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	$ 1536	$	$ 1536	$
Value of salvage	—		1557	
Incidental costs				3,093
Total to Operating Expenses				—
Total to Profit and Loss				—
To Material and Supplies				3,705
To Bills for Collection vs. Western Union Telegraph Co.				—
To Other Accounts				2,291
Net charge to investment account—Additions and Betterments				$9,089
Total of distribution				

Original Cost Adjustment

Made in JUL 1926 Work No. 13

Budget reference: In Budget.

Joint facility contract reference: Not Joint.

The location is — — — — on this company's property.

Location: BETWEEN LOGAN AND BREWER, MONTANA.

Title and Reason: Repair and Replace Telegraph Line.

Present

This is a joint Northern Pacific-Western Union pole line, last totally reconstructed in 1898, with 25-foot class "B" Western Cedar poles spaced 30 to 33 per mile, and carrying 9 copper and 10 iron telegraph and telephone wires on three 10-pin crossarms the entire way.

Between the Logan Depot and the Butte Line Junction there are 3 additional wires.

From 3 to 8 automatic signal wires are also carried on a signal arm for the entire distance.

(continued on reverse side)

Checked and Entered President's Office

COST AT SHOPS OR ADJUSTMENT MADE IN 19

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

Accounting to concentrate in the office of Superintendent of Telegraph.

Signature and Title: E. Nilsen Superintendent of Telegraph Date January 11, 19 26.

APPROVED:

General Superintendent. Prin. Asst. Engr. or Engr. Maint. of Way. Assistant General Manager.

Mech. Supt., Supt. Tegh. or Signal Engr. Vice President.

Chief Engineer. General Manager.

Date of Final Approval FEB 8-1926 19

for Comptroller. President.

COMPTROLLER'S RECORD OF NOTICE OF APPROVAL AND OF COMPLETION

Form No. 1345 issued 19 Work begun 19 Work finished May 25 1926

The pole line has been repaired from time to time, the last general overhauling being done in 1920.

It is important that the line be well maintained because this pole line carries overland wires of the Telegraph Company, as well as telegraph, telephone and signal wires of the Railway Company.

A recent test inspection made by representatives of the Railway and the Telegraph Company shows that approximately 40% of the poles were defective with an additional 10% closely approaching this point.

This test also shows that a considerable number of replacements will have to be made in the guy anchors and pole braces.

Proposed:

It is proposed to overhaul this line by replacing totally defective poles by the use of 20-ft. Western Cedar butt-tank-treated poles for the body of the line, longer poles to be used for grading and clearances.

Defective poles which can be reset and still afford proper clearance, will be reset.

Defective anchors, guys and logs will be replaced.

A few poles will be added on corners and curves, particularly in the vicinity of Lombard.

Other miscellaneous necessary repairs will be made at this time.

The following principal items of work will be performed:

Number of poles replaced per mile	5.6
" " " added per mile	2.
" " " reset, stubbed, straightened or moved, per mile	5.
" " anchors replaced per mile	10.
" " " added per mile	1.3

A detailed statement of the estimated cost is attached hereto.

St.Paul
1-11-1926
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