



N. P. 1363  
6-24

# NORTHERN PACIFIC RAILWAY COMPANY AUTHORITY FOR EXPENDITURE

COMPTROLLER'S COPY

1929 1929  
YEAR 1929

SUPERINTENDENT'S NO.

M.F.C. No. 1

DEPT. NO.

ENGINEERING DEPT. NO. 7

A. F. E. NO. 100

Yellowstone

Div.

Third

DISTRICT  
~~Branch~~

STATE

Montana

VAL. SEC. NO.

1

AUTHORITY IS REQUESTED FOR A NET EXPENDITURE OF \$ 1 750.

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	140.	0		
Value of salvage	10.		130.	
Incidental costs			240.	
Total to Operating Expenses				\$ 370. ✓
Total to Profit and Loss				10. ✓
To Material and Supplies				
To Bills for Collection				
To Other Accounts				
Net charge to investment account—Additions and Betterments				1 380. ✓
Total of distribution				\$ 1 760. ✓

Original Cost Adjustment  
Made in 4-4-31  
Final

Budget reference: Item 122-1929 Budget

Class of Work No. 4 ✓

Joint facility contract reference: None

The location is --- on this company's property. To secure rights, it will be necessary to do nothing

Location: Bridge 52 near Benz, Montana

Title: Reinforce present 30 foot I Beam Span

and  
Reason:

The present bridge consists of one I Beam span, total length 30 feet, on concrete masonry. It was erected in 1901, is designed for Cooper's E-42 loading and is too light for modern engines. It is proposed to reinforce it to the standard E-65 loading by placing additional I Beams.

Total Cost Proposed Work \$1 750.  
Out of Pocket Expenditure 1 450.

Work to be done by company force under charge of Division Superintendent

Checked and Entered  
President's Office



Accounting to concentrate in the office of Division Superintendent at Glendive

Signature and Title: J. B. Clements Bridge Engineer Date Oct. 12, 19 28

APPROVED:

General Superintendent Asst. Chief Engr. or Engr. Maint. of Way. General Manager.

Mech. Supt., Supt. Telgh. or Signal Engr.

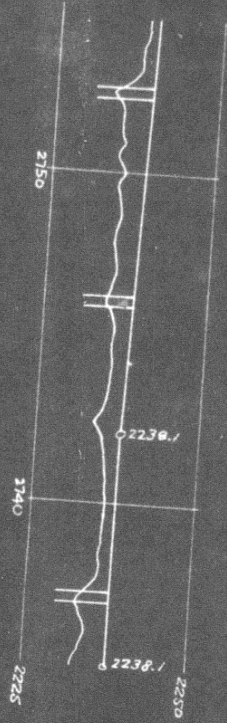
Dennis Chief Engineer Vice President.

W. Brown For Comptroller Charles President Date of Final Approval { JAN 26 1929 19

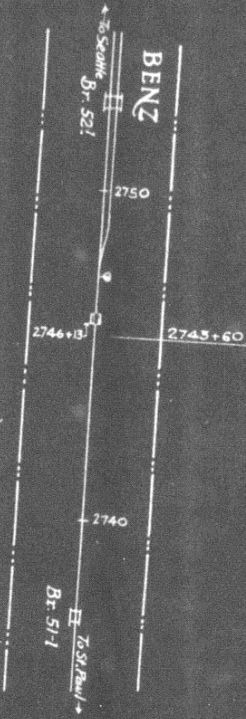
COMPTROLLER'S RECORD OF NOTICE OF APPROVAL AND OF COMPLETION

Form No. 1345 issued 19 Work begun 19 Work finished Sept 25 '29

Proposed new work shown in red.



PROFILE  
Horizontal 1" = 400'  
Vertical 1" = 20'



MAP  
Scale 1" = 400'



ELEVATION  
Scale 1" = 10'



SECTION  
Scale 1/4" = 1'

1928

NORTHERN PACIFIC RAILWAY  
YELLOWSTONE DIVISION THIRD SUBDIVISION  
Valuation Section - Mont. I  
BRIDGE 52 NEAR BENZ, MONT.  
PROPOSED REINFORCEMENT OF 30 FT. I BEAM SPAN  
SCALES AS NOTED  
Office of Bridge Engineer, Saint Paul, Minn., Oct. 2, 1928

BENZ.

521

To Forsyth

2750

27148 E. 10

2745+60

52

511

To Glendive

AFE. 101-29

2750+60 M.P. 52+600 E.E. Bridges

2746+1E. N.P. 52+52 E.E.

Brq. 52  
15d. 18. 306  
Brq. raised abt. 8"  
reinforced,  
& deck renewed

AFE. 99-29

2730+90 M.P. 51+4812 E.E. Bridges

Profile

Not 1" = 200' V. 1" = 4'  
B.M. for E. P. wall  
3 1/4' on 100.56  
Brq. 52.

750 ft. raised

Brq. 52



Brq. reinf. for E-65 loading per plan.  
For details see PLAN No 63054  
dated B.E.'s ofc. 12.13.28, and  
No 172036 - B. Engr. 10.28.28.

Yell. Dix  
Reinforce I beam  
Bridge No 52  
3rd Dist  
N.P.R.

BENZ

New York  
Office Dist. Engrs, Livingston, Jan. 51.130  
Vol. Sec.  
Auth. under Imp't 100-29  
MORF. I.  
1. 26. 29  
Aug. 1929  
MORF. I.  
30th 25. 29