



Northern Pacific Railway Company.  
Engineering Department Records.

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# N. P. RY. CO.

OFFICE OF Chief Engineer

FILE NO. 32 39

SUBJECT:

Construction

General



32 39

3239

Seattle, Washington  
January 6, 1950

Mr. Otto Kopp:

In reference to your letter of December 13th submitting pamphlets showing type of fabricated trusses manufactured by the Weyerhaeuser Sales Company, Tacoma, and suggesting that I arrange to call on this company with Mr. Norton at an early date.

As soon as convenient I will arrange to accompany Mr. Norton to the Weyerhaeuser Plant. In the meantime however, you should assure the Weyerhaeuser Sales Company that Northern Pacific will take into consideration their type of trusses when such construction can be economically used.

I am sure Mr. Blum has pamphlets of this type in St. Paul. I am however, sending him one additional print for his information at this time.

J. T. DERRIC

Assistant Chief Engineer

JTD/m

cc: BB - Mr. Blum - One print of pamphlet attached. JTD

~~PHS~~ ~~LBC~~ ~~CRH~~ ~~OPK~~  
to note - LBC may retain pamphlet  
H.R.P. 1/12



JAN  
12  
1950

001. RM - in. RM - the name of, described as, RM  
RM/2

Assistant Chief, Engineer

U. S. Navy

Location of this place.

RM. I am however, not sure if the one mentioned here is the in-

I am sure Mr. Elmer has been in this place in the

investigation and is consequently not.

All going into consideration of the type of person who can

be said to be the investigation. It is possible that the person who

worked on the investigation. It is possible that the person who

is said to be the investigation. It is possible that the person who

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Mr. Elmer

January 12, 1950  
Assistant Chief, Engineer

Saint Paul, February 27, 1936.

Mr. F. E. Williamson:

Returning file received with your letter of the 24th about inquiry of Congressman Guy E. Campbell about methods of handling construction work.

Mr. Campbell's inquiry is not sufficiently explicit to secure uniformity in replies he will receive. It is my judgment, however, that what he really wishes to obtain is a general statement as to our practice in handling major improvement items, and I do not think we should include in a list of this character such items as rail relay, reballasting, equipment items, etc. It, therefore, becomes a question as to where to draw the line between items to be included and excluded.

I also assume that his inquiry was intended to include the total cost of the project, both labor and material, although question 2 mentions "labor and equipment".

I have ran through our list of improvements for the year 1935 and segregated items which in my judgement would be considered major construction improvements. The total of these items is a little over \$5,000,000.00, of which a little over \$4,000,000.00 was done by contract and \$1,000,000.00 by company force - and I have inserted these figures in pencil as the answers to questions 1, 2 and 3.

I think, however, in making reply Mr. Campbell should be advised of the method used, approximately as above outlined, and perhaps be furnished in addition to the questionnaire, a copy of Form A1-12 showing the total additions and improvement to the



Mr. F.E. Williamson #2

property for the year ended December 31, 1925, amounting to \$14,479,012.00, of which \$6,857,000.00 was equipment items and about \$3,000,000.00 rail, track and ballast items.

I think it would also be well to advise Mr. Campbell that our general practice is to contract major items, except track work on operated lines. This is being handled almost exclusively by company force for operating reasons.

My suggested answers to questions 4, 5 and 6 have also been inserted in pencil.

Chief Engineer.

HES:h

enc

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Chief Engineer.

HES:h

enc

## QUESTIONNAIRE

1. Approximately how much money did you expend for construction in 1925, exclusive of minor additions and maintenance?

\$5,006,506.00

2. How much of this money was expended thru employment of your own labor and equipment?

\$4,005,197.00

3. How much of this money was expended thru the competitive contract method?

\$1,001,309.00

4. Does the contract method lend itself to earlier completion than the employment of your own forces and equipment?

Not necessarily, but it generally works out in favor of contract.

5. Do you secure as high a quality of work thru competitive contracts as by the employment of your own forces and equipment?

Yes.

6. Which, in your judgment, is the most economical method of construction - day labor or competitive contracts?

Contract for major items.

Return to  
Guy E. Campbell, M.C.  
Room 207 House Office Building  
Washington, D. C.

(C O P Y)



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Return to  
Guy E. Campbell, M.C.  
Room 207 House Office Building  
Washington, D. C.

(C O P Y)

NAME OF ROAD Northern Pacific Railway Co.AVERAGE MILES OPERATED 6693.63

## ADDITIONS AND IMPROVEMENTS TO RAILWAY PROPERTY FOR THE YEAR ENDED DECEMBER 31, 1925

| Item No. | Item   | Carry-over of unexpended authorizations from 1924 | Additional authorizations during year 1925 | Total amount authorized incl. carry-over from 1924 | Amount expended during year 1925 | Carry-over of unexpended authorizations to 1926 |
|----------|--|---|--|--|----------------------------------|---|
|          |  | A   | B  | C-A&B  | D                                | E-C-D   |
| 1.       | Locomotives  | \$ 116 029  | \$ 411 701                                 | \$ 527 730   | \$ 397 926                       | \$ 129 804                                      |
| 2.       | Freight-train cars   | 249 168   | 5 574 625                                  | 5 823 793  | 5 307 989                        | 515 804   |
| 3.       | Passenger-train cars   | 276 506   | 1 290 065                                  | 1 566 571  | 904 817                          | 661 754   |
| 4.       | Other equipment  | 62 451  | 191 855                                    | 254 306  | 246 463                          | 7 843   |
| 5.       | Total equipment (Items 1 to 4)                                     | 704 154   | 7 468 246                                  | 8 172 400  | 6 857 195                        | 1 315 205                                       |
| 6.       | Additional track (incl. rail & tie fastenings & other track mat'l) | 653 429   | 1 174 924                                  | 1 828 353  | 1 777 448                        | 50 905  |
| 7.       | Heavier rail   | 79 750  | 1 086 855                                  | 1 166 605  | 1 106 237                        | 60 368  |
| 8.       | Additional ballast   | 78 832  | 186 039                                    | 264 871  | 264 871                          | - -   |
| 9.       | Shops and engine houses (incl. machinery and tools)                | 602 469   | 412 299                                    | 1 014 768  | 840 654                          | 174 114   |
| 10.      | All other improvements   | 677 991   | 3 847 125                                  | 4 525 116  | 3 632 607                        | 892 509   |
| 11.      | Total rdwy. & struct. (Items 6 to 10)                              | 2 092 471   | 6 707 242                                  | 8 799 713  | 7 621 817                        | 1 177 896                                       |
| 12.      | Grand Total (Items 5 and 11)                                       | \$ 2 796 625                                      | \$14 175 488                               | \$16 972 113                                       | \$14 479 012                     | \$ 2 493 101                                    |

NOTE: No allowance is made for retirements in any of these statistics.

Office of Asst. Gen. Auditor,  
Capital Expenditures Section,  
St. Paul, Minnesota, Feb. 9, 1926.

NAME OF ROAD Northern Pacific Railway Co.AVERAGE MILES OPERATED 6693.63

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Office of Asst. Gen. Auditor,  
 Capital Expenditures Section,  
 St. Paul, Minnesota, Feb. 9, 1926.



OFFICE OF  
CHIEF ENGINEER  
FEB 25  
1926  
NOR. PAC. RY.  
ST. PAUL, MINN.

Saint Paul, February 24, 1926.

Mr. H. E. Stevens:

Attached letter of the 23rd from Mr. Donnelly with letter from Congressman Guy E. Campbell, together with copy of questionnaire in connection with construction work.

Will you kindly furnish information for reply, with return of questionnaire.

*J. H. Williamson*

encl.

# Lake Superior Division

ATZ

Contract

Company Force

|      |    |  |        |        |       |
|------|----|--|--------|--------|-------|
| 1384 | 25 | Cloquet Truck Scale                                  | 7541   |        | 7541  |
| 1086 |    | Duluth - Toilets Car Shops                           | 9106   |        | 9106  |
| 1346 |    | Brainerd Storage Sheds                               | 11361  |        | 11361 |
| 1404 |    | Duluth Lumber Shed                                   | 8819   |        | 8819  |
| 1748 |    | Brainerd Runway between<br>Foundry & Blacksmith Shop | 6485   |        | 6485  |
| 1686 |    | Arthur - Greening Protection                         | 1075   |        | 1075  |
| 722  |    | Superior Ore Dock                                    | 821500 | 821500 |       |
| 1117 |    | Brainerd Power Plant                                 | 590592 | 590592 |       |

## St Paul Division

|      |     |  |        |        |      |
|------|-----|--|--------|--------|------|
| 177  | ATB | Imps - 33 <sup>rd</sup> Ave Bridge   | 132000 | 132000 |      |
| 577  |     | " Trade Separation   | 329276 | 329276 |      |
| 727  |     | Lincoln Hill Revision  | 376610 | 376610 |      |
| 1501 |     | St Paul - Replace primary<br>with Storage Batteries<br>3 <sup>rd</sup> St + Maryland | 1700   |        | 1700 |
| 1502 |     | do Maryland White Bear   | 5650   |        | 5650 |
| 725  |     | St Paul - 3 <sup>rd</sup> St Coach Yard  | 605063 | 605063 |      |
| 551  |     | Imps NE. New Transfer yard   | 52500  | 52500  |      |
| 684  |     | St Paul - Milwaukee Connection<br>3 <sup>rd</sup> Street                             | 7518   |        | 7518 |

## Fargo Division

|      |  |   |       |       |       |
|------|--|---|-------|-------|-------|
| 831  |  | Staples Extend Stalls Roundhouse                                    | 10463 |       | 10463 |
| 1724 |  | E. Grand Forks - Tracks<br>for Sugar Beet Co<br>Delaware Storehouse | 9977  |       | 9977  |
|      |  |   | 56244 | 56244 |       |
| 1565 |  | Valley City wig way   | 5583  |       | 5583  |
| 1754 |  | Moorhead "  | 2716  |       | 2716  |
| 552  |  | Anglin Interlocking   | 4498  |       | 4498  |
| 105  |  | Carrollton wig way  | 5271  |       | 5271  |
| 686  |  | NY Mills extend passing track                                       | 4632  |       | 4632  |
| 688  |  | Perth "   | 3092  |       | 3092  |
| 802  |  | Stewart "   | 3514  |       | 3514  |



# Dakota Division

|      |                                |       |       |      |
|------|--------------------------------|-------|-------|------|
| 994  | Jamestown Water treating Plant | 29351 | 29351 |      |
| 995  | Medina                         | 19387 | 19387 |      |
| 997  | Dawson                         | 16920 | 16920 |      |
| 996  | Haloga                         | 12857 | 12857 |      |
| 1725 | Cannon Ball Marine Ldg         | 6804  |       | 6804 |
| 1468 | Mandan Ice Pond                | 21964 | 21964 |      |
| 975  | Bismarck wig wag               | 5858  |       | 5858 |

# Yellowstone Division

|       |    |                                |        |        |       |
|-------|----|--------------------------------|--------|--------|-------|
| 644   | 24 | Big Horn Replace Br 167.1      | 89650  |        | 89650 |
| 645   | 24 | Miles City " 78                | 60550  |        | 60550 |
| 646   | 24 | Hoyt " 15                      | 13410  |        | 13410 |
| 1233  | 24 | Blatchford Lengthen Br 47      | 57865  | 57865  |       |
| 20639 | 26 | Rip Rap                        | 75123  |        | 75123 |
| 1526  |    | Replace Bridge 42 Curlew Creek | 14025  |        | 14025 |
| 1528  |    | " 43 "                         | 15925  |        | 15925 |
| 1144  |    | Mandan-Dickinson Train Control | 139767 | 139767 |       |
| 998   |    | Mandan Water treating Plant    | 29951  | 29951  |       |
| 87    |    | Fairfax Replace Br 136         | 15630  |        | 15630 |
| 826   |    | Glenview Extend yard tracks    | 39606  |        | 39606 |
| 1195  |    | Nichols Wye & yard tracks      | 44631  |        | 44631 |
| 1441  |    | Sidney Sugar Co tracks         | 50827  |        | 50827 |

# Montana Division

|      |    |   |       |       |       |
|------|----|---|-------|-------|-------|
| 1437 |    | East Helena Ice Pond                              | 43742 |       | 43742 |
| 1747 |    | Billings Enclose space                            | 1122  |       | 1122  |
| 1405 |    | between Ice Houses<br>Livingston Transfer table & | 38170 |       | 38170 |
| 1675 |    | Billings - Undercrossing                          | 31900 | 31900 |       |
| 593  |    | Bellevue - Interlocking                           | 5600  |       | 5600  |
| 1483 | 24 | Laurel Boilers Washing Plat                       | 40411 |       | 40411 |
| 518  | 23 | Livingston - Travelling Cranes                    | 35792 |       | 35792 |
| 647  | 24 | Chestnut - Channel Change                         | 21997 |       | 21997 |

# Rocky Mountain Division

|      |    |                             |       |  |       |
|------|----|-----------------------------|-------|--|-------|
| 851  | 24 | Weed - Extend Passing track | 16047 |  | 16047 |
| 1407 |    | Wentzville " "              | 5013  |  | 5013  |
| 1406 |    | Gaspard " "                 | 8264  |  | 8264  |
| 1519 | 24 | Helena Lining facilities    | 20401 |  | 20401 |
| 1670 | "  | " Replace turntable         | 32534 |  | 32534 |

# Idaho Division

|      |    |                            |        |        |      |
|------|----|----------------------------|--------|--------|------|
| 1671 | 24 | Granite Reinforce Veduct   | 153710 | 153710 |      |
| 419  |    | Clarks Fork Replace Bridge | 6899   |        | 6899 |
| 1506 |    | Paradise Draining Machine  | 9424   |        | 9424 |

# Pasco Division

|      |     |                                 |       |  |       |
|------|-----|---------------------------------|-------|--|-------|
| 432  |     | Emerg. Replace Bridge 105       | 10167 |  | 10167 |
| 1587 |     | Pasco-Trilets                   | 6260  |  | 6260  |
| 1669 | -24 | " Intall Boilers at Power Plant | 11218 |  | 11218 |

# Seattle Division

|      |    |  |       |       |       |
|------|----|--|-------|-------|-------|
| 1606 | 24 | Stampede Replace Steam<br>with Electric Fans | 36598 | 36598 |       |
| 1753 |    | Seattle Sprinklers Pier 5                    | 12450 | 12450 |       |
| 1666 | 24 | Auburn Replace turntable                     | 31680 |       | 31680 |
| 398  | 24 | Auburn Pumping Plant                         | 9032  | 9032  |       |



# Tacoma

|      |    |                                |             |             |             |
|------|----|--------------------------------|-------------|-------------|-------------|
| 1808 |    | Olequa Thompson Jet            |             |             |             |
|      |    | Crossover Connections          | 28 453      |             | 28 453      |
| 1472 |    | Tacoma Replace Coal Station    | 39 110      |             | 39 110      |
| 1024 |    | Tacoma Oil House Pumps         | 27 05       | 27 05       |             |
| 1117 |    | Olympia Replace Turntable      | 91 25       |             | 91 25       |
| 1613 |    | Alder Highway Undercrossing    | 26 026      | 26 026      |             |
| 1234 |    | Shelton - Spur for Alder Creek |             |             |             |
|      |    | Lumber Co                      | 37 09       | 37 09       |             |
| 1544 |    | S. Tacoma Crossing Alarm       |             |             |             |
|      |    | Bell                           | 10 62       | 10 62       |             |
| 1695 | 24 | Aberdeen Replace Port 1        | 38 840      |             | 38 840      |
| 6000 |    | Elma Branch Extension          | 436 158     | 436 158     |             |
|      |    |                                | 5, 006, 506 | 4, 005, 197 | 1, 001, 309 |

Oris Fano Branch



# Contract Work for 1925

Voucher

|     |                              |  |   |
|-----|------------------------------|--|---|
| 296 | Allen-Sherman-Heff Co        | Brainard Hoppers                                 | 615000.   |
| 469 | American pile driv. Co       | Remove Br ✓ Inokomist Riv                        | 530090.   |
| 309 | Anderson S. M.               | Darlington Branch                                | 10365.  |
| 262 | Beers & Son                  | Land. wall                                       | 73477.  |
| 502 | Beland JV & Co               | Orpaul 3rd St Cone Stack                         | 560550.   |
| 517 | Better Walter Co             | " " Bergrs                                       | 13371937.   |
| 262 | Bye JV                       | Vancouver Tender Pile                            | 152935.   |
| 616 | Clyde Iron Works             | Superior ore sack Spouts                         | 3688740.  |
| 545 | Cresch Bros contr Co         | Hagnum Riv Draw Rest                             | 63500.  |
| 585 | Dunnigan Ef                  | East Helena Ice platform                         | 1393628.  |
| 620 | -                            | Water draining plants <sup>Est #1</sup> only Dec | 380044.   |
| 440 | Evanista Ef                  | Dilworth Stone House                             | 2496154.  |
| 622 | Zelley Bros                  | Darling Concrete plant                           | 1634116.  |
| 720 | ✓                            | ✓ Grovel Wash Plant                              | 5297104.  |
| 542 | ✓                            | Lincoln Hill Br Riv                              | 18028800.   |
| 657 | Zelley Bros Pappard & Tilton | Superior ore sack <sub>1925 only</sub>           | 32663762.   |
| 428 | General Leest Co             | Elma Branch                                      | <div> <div>Corrected fm<br/>Estimated at</div> <div> <div>368302.00. Corrected find<br/>estimated at</div> <div>372500.00</div> </div> </div> |
| 170 | Gray Harbor                  | Br #1 Cosmopolis                                 |   |
| 519 | Swain & Co                   | Orpaul 3rd St Grading                            | 2932918.  |
| 295 | Haggart Const Co             | Schmidt Tunnel pit                               | 981506.   |
| 416 | Hardy & Richings             | Jeppunish paving                                 | 535710.   |
| 435 | ✓                            | Yakima platform                                  | 541137.   |
| 313 | Hulean, Buck                 | Woods - passing track                            | 761238.   |
| 721 | Industrial Cont Co           | myth Grade Dep Johnson St                        | 12937474.   |
| 612 | Kirkland & Self              | plumbing   | 6348827.  |
| 409 | Lee-Hoff mfg Co              | Dilworth <sup>Elevator</sup> Stenhouse           | 230500.   |
| 716 | ✓                            | Orpaul 3rd St ✓                                  | 238500.   |
| 297 | Link Belt Co                 | Brainard Coal Handling <sup>mach</sup>           | 1660800.  |
| 437 | ✓                            | Cannon Ball <sup>marine</sup> Leg mach           | 155879.   |
| 666 | Lipton m                     | Orpaul 3rd St Boiler fittings                    | 987185.   |

|     |                             |   |           |
|-----|-----------------------------|---|-----------|
| 366 | MacKnight & Lynderson       | Bridge painting   | 612863.   |
| 213 | Muller & W. Heating Co      | Lumber Bailer Washing pl  | 1806998.  |
|     |                             | \$11988 for 14 in work not included above   |           |
| 461 | moose Lake Sand & Gravel Co | moose Lake Gravel pit   | 4622218.  |
| 667 | morgan Gravel               | Opau 3rd St Station   | 160000.   |
| 619 | McAuliffe &                 | Mandan Reservoir  | 1358278.  |
| 318 | ✓                           | Buffalo River under bridge  | 251861.   |
| 392 | ✓                           | Kathryn ✓   | 245973.   |
| 505 | Nelson & W. W. Co           | mfg Substructure 3rd and Br   | 2515279.  |
| 703 | N. W. Sprinkler Co          | Gravel Pier & Sprinkler   | 472449.   |
|     |                             | "5000 of above for use in summer"   |           |
| 111 | Pacific Const & Bldg Co     | Gravel produce Bldg }<br>sprinkler Bldg Bldg }<br><del>is now done by Co</del>    | 172690.   |
| 211 | * Pacific Const Co          | Acacia Branch Br 1 Delphinus  | 46920.    |
| 387 | * Parker & X                | Seattle Com. Bldg Bldg  | 120000.   |
|     |                             | Bldg is N. W. Imp Co.   |           |
| 171 | Pioneer Sand & Gravel Co    | Stulacoom Gravel pit  | 3942000.  |
| 558 | Shoeglum chas               | Brainers farm plant Bldg  | 10765499. |
| 419 | Smith Grant & Co            | Kanawha pit apr   | 2904843.  |
| 267 | ✓                           | Edgar ✓   | 6648375.  |
| 663 | ✓                           | Hidden Underpassing Nov   | 551768.   |
| 360 | Sprague Safety Control Co   | Auto drain Control  | 5663550.  |
|     |                             | \$9000 of above advances see 1924   |           |
| 397 | Strathdee St                | Auburn Remodeled Bldg   | 20000.    |
| 717 | Stefco Steel Co             | Opau 3rd St Couch Shop  | 1590000.  |
| 453 | Juin City Bld Co            | Thompson Riv Remov Bldg   | 278961.   |
| 491 | ✓                           | Granite Viaduct   | 3636452.  |
| 550 | Vilten mfg Co               | Opau 3rd St Refrigerator  | 432837.   |
| 718 | Wayne Sand & Pumps Co       | ✓ - - - oil system  | 81035.    |
| 665 | Whitacre Bld Co             | ✓ - - - ash canner  | 274500.   |
| 303 | Willard Bld Co              | Thompson Riv Br   | 347468.   |
| 142 | ✓                           | Y. D. Riv Bridge  | 3140386.  |
| 159 | Widell Co                   | Juin Substructure Br 47 }<br>10938.68 for work done in 1924 not included in above | 1366790.  |
| 623 | Waldson & Engstrom          | algona pit stripping  | 401000.   |
| 422 | Zimmerman PE                | nich mont grading   | 478315.   |

cro fine out

Total

\$2,015,979.77



0

0

0

6 1 5 0 0 0

5 3 0 0 0 0

1 0 3 6 5

7 3 4 7 7

5 6 0 5 5 0

1 3 3 7 1 9 3 7

1 5 2 9 3 5

4 5 5 4 0 0 0

6 3 5 0 0

1 3 9 3 6 2 8

3 8 0 0 4 4

2 4 9 6 1 5 4

1 6 3 4 1 1 6

5 2 9 7 1 0 4

1 8 0 2 8 8 0 0

3 2 6 6 3 7 6 2

3 7 2 5 0 0 0 0

3 6 6 8 8 4

2 9 3 2 9 1 8

9 8 1 5 0 6

5 3 5 7 1 0

5 4 1 1 3 7

7 6 1 2 3 8

1 2 9 3 7 4 7 4

6 3 4 8 8 2 7

2 3 0 5 0 0

2 3 8 5 0 0

1 6 6 0 8 0 0

1 5 5 8 7 9

7 8 7 1 8 5

6 1 2 8 6 3

1 8 0 6 9 9 8

4 6 2 2 2 1 8

1 6 0 0 0 0

1 3 5 8 2 7 8

2 5 1 8 6 1

2 4 5 9 7 3

2 5 1 5 2 7 9

9 5 8 8 0 0

1 7 2 6 9 0

4 6 9 2 0

1 2 0 0 0 0

3 9 4 2 0 0 0

1 0 7 6 5 4 9 9

2 9 0 4 8 4 3

6 6 4 8 3 7 5

5 5 1 7 6 8

5 6 6 3 5 5 0

2 0 0 0 0

1 5 9 0 0 0 0

2 7 8 9 6 1

3 6 3 6 4 5 2

4 3 2 8 3 7

8 1 0 3 5

2 7 4 5 0 0

3 4 7 4 6 8

3 1 4 0 3 8 6

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4 7 8 3 1 4

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3239

St. Paul, December 29, 1913. WLD-D

Mr. Gemmell:

Referring to your memorandum of the 19th instant relative to clause covering free transportation in general grading contracts:

The clause requiring full tariff rates on supplies has reference to any supplies that would ordinarily pass through the contractor's stores, as for instance: groceries, oil for lamps, and bedding; but not for coal purchased from the Railway Company nor for lumber used in contractor's camp, but would apply to lumber used in the boarding camps.

W. L. Darling

*[Handwritten signature]*

St. Paul, Dec. 19th, 1913..

Mr. Darling:

In our contracts which provide for free transportation for contractors' outfit and equipment but for full tariff rates for supplies the question often arises as to what comes under the heading of supplies.

In addition to commissary supplies such as provisions, soap, lye etc. and goods sold the men, should coal for cooking and for heating bunk cars, oil for lighting same be charged at tariff rates.

I presume blankets are properly considered as part of the camp equipment if furnished the men free by the contractors, otherwise not.

R. E. Gemmell.

REG R



Mr. Gemmell

Re. to file attached relative to Charging Cook Const Co with value of coal and oil used in bunk houses and kitchens. My opinion as follows:

It is necessary to draw a line between the "Equipment" for and "Operation" of a Boarding Camp.

#### Equipment

Intended to cover kitchen utensils etc for kitchen and bedding (if furnished by Contractor) stoves etc for bunk houses necessary to operate — anything ordinarily considered as "Household Goods" would come under this heading.

Material for buildings used in connection with feeding and housing men would come under this heading.

#### Operation

Includes "Supplies" such as eatables, soap etc for cleaning purposes, Coal for heating & cooking, oil for lighting and starting fires and any other items used up in operating camp. Also wages of Cooks, labor and proportion of clerk's time.

The clause excepting transportation on "Groceries & Supplies for men" should include coal and oil as above as the clause does not necessarily refer to eatables otherwise Contractor could claim free transportation on soap, lye and other items on which they now pay freight. Should Ry Co pay freight on meat?

I have charged bunk house expense (except equipment) to "Board Account" which is the general practice among Contractors as proceeds from board is credited to cost of operating both kitchen and bunk house.

I find that Contracts with A. H. Partridge & Co and H. J. Fellers & Co for boarding men provide for "board & lodging" at a certain weekly rate. Also note letter to T. J. Kumm 7-8-12 in file 3621 attached relative to Partridge & Co "furnishing a man to sweep out bunk cars and supply them with water also furnish straw for bedding and pay for hauling same". The above proves that bunk house is considered a part of the Boarding Camps. In the Cities "Board" always includes meals & lodgings.

Breedlove deducts freight on oil for lighting purposes and I presume coal also used for camp purposes.

Mr. G. #  
C.C.C.

Upon Completion of work depreciation and loss on equipment and Camp building is chargeable to Board Account and net loss if any is chargeable to the work. If Camps are of sufficient size they will pay for themselves and if conducted properly will generally show a profit (if Commissary is included) unless the cost of hauling of supplies is excessive.

It is proper to credit board of employees allowed salary and board to Board Account and charge to the work before figuring net results.

### Blankets

Freight questioned as Contractors do not always furnish bedding. I have seen blankets furnished by Contractors in Illinois but understand that the men have to furnish their own in Montana and I think in the Dakotas which lead me to raise the question. Asst Engr should state whether or not Contractors furnish or sell to men. If sold they should be considered "Commissary Supplies".

### Coal & Oil

used in Boarding Camp can not be considered as being used "in the work"

### Supplies for men

Covers Commissary goods such as tobacco, gloves, socks, shirt, etc sold to men on which a good profit is always figured.

This matter should be looked into thoroughly and Engineers instructed in regard to "Supplies".

CS  
12/16/13.



*Inv Ref on 12/13/13*  
Stanton N D Dec 12 1913

Mr. W. L. Darling,  
Chief Engineer,  
St Paul -- Minn.,

Dear Sir:-

Replying to your letter of the 8th referring to my voucher  
1726 ED-10673 \$25203.16 covering AD-7712:

Regarding the charge on blankets: \$6.72 I have certified  
for free haul on this believing the same to properly come within the  
scope of the Contract, which provides for "outfit and equipment"  
My experience with the Contractors has been that they maintain that  
blankets do not become an incidental factor to board for the reason  
that the amounts realized by them from board is as of meals only.  
They make no charge for the factor of sleeping. Please advise if  
you wish me to make bill.

Regarding the question of collecting on that portion of  
oil shipments where the same is used for lighting purposes. The con-  
-tract provides that tariff rates will be charged on all "groceries  
and supplies for men" I have regarded that portion of oil shipments  
used for lighting purposes, -- principally in lanterns, as conducive  
to the proper carrying on of the Contractor's work, and reflecting  
to the benefit and upkeep of outfit and equipment. It is probable  
I can secure statements from Contractors as to such quantities and  
arrange to bill. Please advise if I shall do this.

Regarding coal used in their kitchens: The contract provides  
for free transportation of coal without reference to its specific use,  
beyond using same in the work.

Please advise if you wish me to bill on the Contractors  
for the above.

Yours truly,

*A. T. Luce*

Assistant Engineer

HE



St. Paul, Minn. Dec. 8th, 1913.

Mr. A.C. Terrell,  
Assistant Engineer,  
Stanton, North Dakota.

Dear Sir:-

Referring to your voucher 1726 ED 10673 amount 25203.16  
covering AD 7712 freight charges account Spring Creek Line.

Northtown Transfer-Stanton WB 12822 Sept 27th amount  
6.72 covers 3 bundles of blankets for Cook Con'st Company. Please  
bill on contractors or advise.

Note several shipment of oil for lighting, a portion  
of which I think would come under the head of "Supplies" on  
which contractors should pay freight. This also applies to coal  
used in kitchen and bunk house.

Please advise invoice reference covering spikes on  
St. Cloud-Stanton WB 740 October 27th car 28130 amount \$ 180.00.

REG K

Yours truly,

Chief Engineer.

Stanton N D Dec 12 1913

Mr. W. L. Darling,  
Chief Engineer,  
St Paul -- Minn.,

Dear Sir:-

Replying to your letter of the 8th re my voucher 1640

ED-10582 AD-7249 \$4353.88:

In regard to charge on blankets under Minnesota Transfer  
Stanton 8/22/13 W/B 11881 \$5.06, amount chargeable \$4.03:

The same explanation holds in this connection as in regard to the  
blanket shipment for Cook Constn Co which I have explained in another  
letter. I shall await your further instructions on this.

In regard to Sidney-Richardton W/B 50 7/15/13 \$120.00  
on "1 camp car and supplies" The supplies cover utensils used  
in kitchen maintenance.

Yours truly,



Assistant Engineer

HE

St. Paul, Minn. Dec. 8th, 1913

Mr. A C Terrell,  
Assistant Engineer,  
Stanton, North Dakota.

Dear Sir:-

Referring to your voucher 1640 ED 10582 AD 7249  
amount 4353.88 covering freight charges account Spring Creek Line.

Minnesota Transfer-Stanton W B 11881 August 22nd amount  
5.06 includes 1 box blankets amount \$ 403. Please bill on con-  
tractors or advise.

Sidney-Richardton WB 50 July 15 amount \$ 120.00  
covers car 66071 "1 camp car and supplies". Please advise what  
supplies cover.

REG K

Yours truly,

Chief Engineer.



REG-S

Saint Paul, Minnesota, Jan 24th, 1910.

Mr. P. E. Thian,

Assistant Engineer,

Mandan, North Dakota.

Dear Sir:-

I note <sup>in</sup> vouchers sent in to cover local purchases of camp supplies, a great many items *that* are not proper emergency purchases and which should be included in monthly requisition. In addition many of the items are such as would be cut out of requisitions, as unnecessary or improper such as Cocoa, Chocolate, Olives, Canned Lobsters, Canned Clams and similar items.

Will you please see that local purchases are limited to eggs, fresh meat and vegetables as provided in Form 114.

Yours truly,

Chief Engineer.

32 39