UNITED STATES DEPARTMENT OF THE INTERIOR

ANNUAL REPORT

State State State State

OF

ALASKA ROAD COMMISSION

FOR

YEAR ENDING JUNE 30, 1934

THE ALASKA ROAD COMMISSION STATES

The Alaska Road Commission was created by act of Congress approved Jan. 7, 1905 as a bureau of the War Department. By act of Congress approved June 30, 1932 the activity was transferred to the Department of the Interior. Under orders issued by the Secretary of the Interior, administration of the activity was assigned to the Governor of Alaska in his capacity as ex-officio commissioner for Alaska, with a chief engineer in direct charge of the work under the direction of the Governor.

The Alaska Road Commission is charged with the construction and maintenance of roads, bridges and trails in Alaska. Construction and maintenance of airfields, telephone lines and shelter cabins is also undertaken for the Territory.

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Funds are made available for the work by annual Congressional appropriations, from the "Alaska Fund", and from contributions by the Territory of Alaska and others. During the past year in addition to the above usual sources of funds, \$1,746,000 was allocated by the Public Works Administration under the National Industrial Recovery Act for new road and airfield projects. and a second second

The total costs to the end of the fiscal year are \$19,978,181.65, of which \$10,349,284.16 was for new work and \$9,628,897.49 was for maintenance and improvement. The sector as so is not include the

The total expended to June 30, 1934 was \$20,440,743.04. Of this amount \$14,529,306.93 was appropriated by acts of Congress, \$4,088,432.87 was allotted from the Alaska fund, and \$1,823,003.24 from Territorial appropriations and contributions.

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The work accomplished during the fiscal year may be summarized as follows: and the second of the second second

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New construction: $136\frac{1}{4}$ miles of road, 35 miles of trail, 820 linear feet of bridges over 60-foot span, 4,703 linear feet of trestle span bridge and 3 airplane landing fields.

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Maintenance: 1,543 miles of road, 74 miles of tramway, 573 miles of sled road, 4,759 miles of permanent trail and 273 miles of temporary flagged trail.

The cost during the year was \$1,269,497.76, of which \$805,643.11 was for new work and \$463,854.66 was for maintenance and improvement. Total expenditures during the fiscal year were \$1,432,881.48.

The more important roads upon which new construction was performed were the McCarthy-Nizina, Mount McKinley National Park, Gulkana-Nabesna, Olnes-Livengood, Dillingham-Snag Point, Nome-Sunset Creek, Iliamna, Lucky Shot Mine-Willow Station, Anchorage-Matanuska, Kodiak-Mill Bay, Cantwell-Valdez Creek, Medfra-Nixon Mine, Flat-Slate Creek, and Seward Peninsula Tramroad extension. New airfields were constructed at Cordova, Nome and Bremner.

The Richardson Highway was maintained open during the entire season. Improvement to new standard was continued and this road is now in excellent condition for auto traffic.

Surfacing the Steese Highway was continued. As a result of the improvement traffic over this route continued to increase. Work was continued on the major project of constructing a road from Gulkana, on the Richardson Highway, to Nabesna, through the mineralized belt north of the Wrangell Mountains. The work was started early in 1933 and, except for destructive floods in a few localities, weather conditions were favorable and the work progressed satisfactorily.

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The work of maintenance and rehabilitation has been pushed, and the roads and trails under the jurisdiction of the commission are in better shape than ever before. The total mileage of roads and trails constructed and maintained by the commission since its inception aggregate $11,484\frac{3}{4}$ miles, consisting of 1,798 miles of wagon road, 74 miles of tramway, $1,576\frac{1}{2}$ miles of sled road, $7,324\frac{1}{4}$ miles of permanent trail, and 712 miles of temporary flagged trail.

The road and trails constructed by the commission have not only opened up to development nearly all sections of the Territory but have effected large savings in freight charges. The major portion of this freight would not have been transported without the roads, and the indirect loss which would have been occasioned by the restriction on output and development, if the roads did not exist, can not be estimated.

Under a cooperative agreement with the National Park Service, the Alaska Road Commission has undertaken the construction and maintenance of roads and trails in Mt. McKinley National Park and the maintenance of Sitka National Monument with funds allotted by the Park Service. At the close of the fiscal year 66 miles of road were suitable for traffic and 21 miles were under construction in Mr. McKinley Park. The route selected is one of great scenic grandeur. The Sitka National Monument has been placed in excellent condition and maintained. 3.11 .ent.

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insula ome and Money for the prosecution of this work was provided from six sources as follows:

(1) Appropriation by the Federal Government to the Department of the Interior for expenditure in conformity with act of Congress approved January 27, 1905, and amendments thereto.

(2) From a portion of the Alaska Fund, a fund covered into the Federal Treasury but derived entirely from special taxes imposed by the Federal Government upon various industries in the Territory.

(3) Funds appropriated by the Territorial Legislature and turned over to the Treasurer of the United States for expenditure on construction, repair and maintenance of roads, bridges, ferries, trails and related works in the Territory as provided by act of Congress approved June 30, 1921. These funds are expended upon projects designated by the Territorial Board of Road Commissioners.

(4) Money allotted by the National Park Service and expended under its direction entirely within the boundaries of national parks and monuments.

(5) Contributions by individuals, companies, corporations, et cetera.

(6) Funds allotted by the Public Works Administration as provided in the National Industrial Recovery Act.

Any balances remaining over at the end of a fiscal year from regular sources of revenue, Items 2 to 5 inclusive, are available for the succeeding fiscal year. Unused balances from the Public Works allotment are available until July 1, 1935.

Under the act approved March 2, 1934, \$452,000 was appropriated as Item 1 for the current year, or fiscal year 1935. Under the Public Works Administration a total of \$1,746,000 has been allocated including \$150,000 to be expended under the direction of the National Park Service.

SUMMARY OF ALL EXPENDITURES TO JUNE 30, 1934.

The Commission has expended the following funds since the beginning of road and trail development in the Territory:

	Congressional	Alaska fund	Other funds	Total
Fiscal year	appropriations	Alaska lunu	Omer Tunds	Total
1905	\$.\$28,000.00	\$	\$28,000.00(1)
1906	118,172.09	57,420.77	¥ 	175,592,86(1)
1907	197,930,91	148,814.79		346,745,70(2)
1908	244,857.18	120,772,72		365,629,90(2)
1909	236,674.97	146,971,92		383,646,89(2)
1910	237,498,50	102,898,29		340,396,79(2)
1911	100,000.00	166,777,95		266,777.95
1912	150,103.58	167,302.49		317,406.07
1912		17,052,23(3)		17,052,23
1913	125,010.91	228,117.56		353,128,47
1914	153,174,43	170,688.37		323,862,80
1915	126,852,28	157,915.84		284,768,12
1916	165,011.73	135,708.89		300,720.62
1917	500,031,75	76,716.15		576,747.90
1918	325,000,00	272,020,18	145,20	597,165.38
1919	246,651.95	52,372.31		299,024,26
1920	132,426.73	124,992.96	101,184.56	358,604.25
1921	350,000.00	218,247.21	98,551.98	666,799,19
1922	426,807,34	173,029.19	83,411.15	683,247,68
1923	555,613,67	34,398.23	150,070.59	740,082.49
1924	730,423,17	67,683.67	138,000.81	936,107.65
1925	775,665.02	168,518.01	194,164,61	1,138,347.64
1926	1,013,577,53	115,035,11	182,705.05	1,311,317.69
1927	889,443.65	207,909.20	119,814.04	1,217,166.89
1928	860,192.90	134,593.11	258,882.17	1,253,668,18
1929	997,297.64	134,371.66	315,494.61	1,447,163.91
1930	775,406.36	138,542,03	342,401.26	1,256,349.65
1931	751,366.08	202,547.78	334,359.60	1,288,273.46
1932	710,738.05	68,270.32	260,022.41	1,039,030.78
1933	448,777.90	162,310.04	83,948.22	695,036.16
1934	467,737.60	88,433.89	42,834.21	599,005.70
1934 (NIRA)	780,396.23	a, s. ₂₀ ,	53,479.55	833,875.78
Doto]	17 500 040 15	4 000 470 or		50 440 848 0A

Total 13,592,840.15 4,088,432.87 2,759,470.02 20,440,743.04

(1) To Oct. 31.

(2) To Sept. 30.

(3) U. S. Treasury adjustment.

"Other funds" in the foregoing table include the following expenditures from other appropriations: ł

	Increase of						
Fiscal year	Compensation	Quartermaster	Funds	National			
ristar your	Acts	General	contributed	Park Service			
	40.02	dener ar	COULTINGER	Fark Service			
1918	\$145.20	، مع جو بر مربع من مربع من مع					
1920	φ. 10		\$101,184.56				
1920	940.00 ·						
	4,322.09		97,611.98				
1922 1923	28,857.72		79,089.06				
	45,675.36		121,212.87				
1924	•		92,325.45				
1925	15,136.08	\$300.00	98,708.53	\$80,020.00			
1928	1988 (1999 1999 1999 1999 1999 1999 1999	290.17	132,414.88	50,000.00			
1927		812.00	103,001.10	16,000.94			
1928	·	792.83	198,089,34	60,000,00			
1929		1,000.00	249,494.61	65,000.00			
1930	بري منه جه 74 برد به جه جه حد خد هم	1,499,80	180,080.15	160,821.31			
1931		937.47	165,604.86	167,817.27			
1932	یا کا ایری این ایر	2,324.83	161,459,79	96,237.79			
1933			6,698.71	77,249.51			
1934	******		36,027,35	6,806,86			
1934 (NIRA).	میں میں جب کی ہیں جب جہ ^{ہی} کی	· • • • • • • • • • • • • • • • • • • •		53,479.55			
 Total \$95,076.45(1) \$7,957.10 \$1,823,003.24(2) \$833,433.23(3) (1) Includes refunds of \$16.95. (2) Includes refunds of \$10,571.43 but is exclusive of reversions to Treasury (Economy Legislation) of \$302.39. (3) Includes refunds of \$20.94 but is exclusive of reversions to 							
treasury (-	Requiring mestar	ation) of \$3,77		14. J.			
Total Congression	nal appropriat	ions	1997 - 19	\$14,884,710.00			
Less - Reversion	to Trongunur	(Foonome					
Legisla	tion)		\$47 004 50				
Transfer ·	to II S. Engin	eer Department	• φ±1,094.00				
		ontrol)	410 01	1 · · · -			
Balance unernende	OTCOV TIOOU C	51161-01)	- 417.61	A			
Balance unexpende	ou	• • • • • • • • • • • • • • • • • • • •	. <u>1,207,000,77</u>	\$ <u>1,315,115,48</u>			
Amount expen	nded	• • • • • • • • • • • • • • • • •	••••••	<u>13,569,594.52</u>			
Add Navy Departme Add repayments an	ent reimbursem 1d voucher cor:	ent	3,976,19				
1920-1929		••••••	19.269.44	23,245.63			
Total expend	litures	•••••		\$13,592,840.15			

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Total 38,000.000 75,592,86(1 16,745.70(2) 35,629.90(2 3,646.89/2 10,396.79(2) 3,777.95 17,406.07 7,052,23 3,128.47 3,862.80 4,768.12 0,720.62 6,74~ 90 7,1 38 9,024.26 3,604.25 5,799.19 3,247.68 0,082.49 3,107.65 3,347.64 1,317.69 7,166.89 3,668.18 '**,163.91** ,349.65 ,273.46 9,030.78 ,036.16 ,005.70 ,875.78 ,743.04

Total Alaska fund	\$4,192,608.69
Less balance unexpended July 1, 1934	104,175.82
Total expenditures	\$ <u>4,088,432.87</u>

These expenditures are summarized as follows:

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Federal Appropriations

Congressional appropriations	\$13,592,840.15
Alaska fund, 1905-1934	4,071,380.64
U. S. Treasury adjustment, 1921	
Increase of compensation acts, 1918-1925	95;076.45
Quartermaster General, 1925-1932	
National Park Service, 1925-1934	833,433,23
• • • •	
۳otal	\$18.617.739.80

Contributed Funds

Territory of Alaska, 1920-1934 Miscellaneous	\$1,664,267.07 <u>158,736.17</u>
Total	\$1,823,003.24
Grand total	\$20,440,743.04

In addition to the above funds, disbursed through the United States Treasury, the Commission has supervised the expenditure of the following funds, disbursed by other agencies, for road and trail development:

Territorial funds and forest revenues prior to 1921	\$684,239.64
Territorial divisional commissioners, 1921-1929	194,939.60
Seward Peninsual tramway, 1923	24,014.00
Tolovana tramway, 1924	6,425.00
Kaltag portage survey, 1925	312.72
Miscellaneous, 1926-1930	22,349.50
Total	\$932,280.46

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TERRITORIAL FUNDS

The Territorial legislature biennially appropriates funds for the construction and maintenance of roads and trails. These funds are allocated to projects by the Territorial Road Board and are expended under the direction of the Alaska Road Commission.

For the working season of 1934 (fiscal year 1935) the Territorial Board has allotted to the Alaska Road Commission the following amounts:

> > Total..... \$41,000

MATERIALS, SUPPLIES AND EQUIPLENT

Alaska products are preferably used in the work when the price and quality compare favorably with the cost of the same items landed at warehouses in Alaska.

All supplies not procured in Alaska are purchased for the Commission by a governmental purchasing agency in Seattle, acting also for various other bureaus operating in the Territory. The cost of this service is shared by the individual bureaus on a pro rata basis. The share for the Alaska Road Commission is 4 percent of the invoice price of items thus purchased.

Work is performed by mechanical equipment to every extent deemed advantageous. Small jobs in remote sections are necessarily done by hand. The Commission is now fully equipped to handle construction and maintenance work within the present limits of appropriations except for replacement of unserviceable or obsolete equipment. During the fiscal year just closed the following pieces of mechanical equipment were purchased:

8 pickup trucks, 1/2-ton 5 freight trucks, 1 1/2-ton 54 dump trucks, 1 1/2-yard 4 tractors, 76 h.p. 17 tractors, 48 h.p. 2 tractors, 27 h.p. 9 scrapers, automatic rotary fresno 1 mower 2 pull graders, power controlled

,192,608.69

104,175.82

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17,052.23 95,076.45

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3684,239.64 194,939,60

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12 pull graders, hand controlled

- 1 scraper, 1/2-yard, drag
- 1 tractor hoist, double drum
 - 4 trailers, track laying type
 - 2 rippers
 - 2 speeders, railroad
 - 3 trailbuilders
 - 1 shaker screen with engine

ORGANI ZATION

Labor, both common and skilled, is secured entirely from local residents. Labor has been plentiful the past year. It is encouraging to note the exceptional loyalty to the organization which is manifested generally even by the lowest paid laborers. This may be attributed in part to the fact that, though the work is only seasonal, many of these men have worked for the Commission continuously for 5 to 10 seasons and in part to the fact that as a whole Alaska labor is probably superior to that found elsewhere.

At the Juneau headquarters, located in the Federal and Territorial Building, is the general office staff consisting of a chief engineer and an assistant chief engineer with necessary clerical assistants. Disbursing is performed by the disbursing officer for the Department of the Interior at Juneau.

Five district offices and two district suboffices are located at strategic points in the field. The suboffices are closed during the winter months. Due to increased air travel, which caused a marked decrease in the use of winter trails, the Kuskokwim district office was discontinued during the winter of 1932. The summer season's operations in this district are now handled by the Southwest district office. The work in the vicinity of Bethel, where no office is maintained and which was formerly a part of the Kuskokwim District, is handled direct from the Juneau office. The work near or adjacent to Juneau, and known as the "Southeastern District", is supervised from the headquarters office.

The organization, with its widespread activities throughout the Territory, is equipped to handle many phases of construction work, and in many instances has lent itself to the supervision of construction work of various kinds for other branches of the Federal Government, and for the Territorial Government. This consolidation of work has doubtless saved considerable public expenditure, particularly on small projects in isolated sections. Especially is this true of small road projects undertaken by the Territorial Government and which were not included in the general road program of the Commission.

CONSTRUCTION METHODS

Although standard construction and maintenance methods are employed in Alaska so far as practicable, it is necessary to vary therefrom in some instances because of special physical and climatic conditions.

The frozen condition of the subsoil and the constant thawing during summer require special precautions for drainage. Intercepting ditches on the up-hill side of the road are frequently necessary and after the vegetation has been stripped from the roadway the ground must be allowed to thaw, settle, and consolidate for several months before completing the grading and applying the surfacing. Frequently one or more seasons are required for such drainage and consolidation and in order to maintain traffic during this period corduroy must be used. Sloughing banks, due to thawing of the subsurface ice, frequently cause slides which cover and block the roads.

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Special methods of revetment and stream control must be used to withstand the destructive effects of sudden and frequent freshets and washouts that result from heavy rains in the mountains or the release of impounded waters by breaks in glaciers. The most suitable type of revetment for this purpose is built of brush weighted down with stone in bundles wrapped in wire mesh to prevent its washing away.

Gravel for road surfacing is generally available within reasonable hauling distance. Graveling is necessary for practically all roads which are used by automobiles. Concrete or other forms of hard-surfaced roads are nowhere warranted in the present stage of development of the Territory.

Bridges are built of native or imported timber or steel, depending on their importance. Fir has been found to be the most suitable material for timber bridges but improvements in methods of local timber production now in progress will, if successful, make possible some use of Alaska hemlock for structural purposes. Metal culverts are being introduced to replace the culverts or native timber heretofore used.

OPERATIONS DURING THE FISCAL YEAR

The work in the past fiscal year was greatly increased as a result of the allocation of a substantial amount of emergency funds by the Public Works Administration. These funds were available for new construction and reconstruction on much needed projects. These included thirty-three road projects, sixteen airfields, one dyke project and one important bridge project, a bridge over Gastineau Channel connecting Juneau and Douglas. Work on these projects was 57 percent complete at the end of the fiscal year. Ordinary funds were sufficient only for maintenance of the existing system. Emergency funds were also made available by the Civil Works Administration and civil works projects under the Governor of Alaska, who was appointed Administrator of Civil Works for the Territory, were directly supervised by the Alaska Road Commission under direction of the Governor. Due to the greatly increased activity as a result of these emergency funds the organization has experienced an unusually active year.

The Richardson Highway was open from Valdez to Fairbanks from June 8 to October 4.

The surfacing program for the Steese Highway was continued and at the end of the season only 6 miles of the total of 162 miles remained unsurfaced.

The Gulkana-Nabesna road, leading from the Richardson Highway to the Nabesna mining region, was completed as an earth road permitting the use of automobile trucks to the mine after the freezeup. Its total length is 107 miles, 43 miles of which were converted from a tractor road to a dry-weather automobile road during the season.

The highway through Mt. McKinley National Park was opened for an additional distance of 1.25 miles, the constructed portion of the route now totaling 67.50 miles in length and leaving 21 miles to be completed. When completed the route will extend to the north park boundary, only $5\frac{1}{2}$ miles from the Kantishna mining district, a district reported to contain quantities of very valuable ores. Work on this road was confined to maintenance until late in the summer when Public Works Administration funds were made available.

Upon receipt of P. W. A. funds the middle of August work was pushed on the Olnes-Livengood project resulting in extending this route as a dry-weather automobile road to Mile 17. Much preliminary work in the way of clearing and freighting supplies for the 1934 season was done during the winter.

With a special allotment under the Public Works Administration, the organization took over the Anchorage-Eklutna road which had been started and partially graded by the town of Anchorage. During the remaining summer season and the past winter the road was graded for 12 miles, bridges were constructed over Eagle River and Peters Creek. A 300-ft. steel bridge with 120 feet of approach was put in over the Matanuska River at Palmer on the proposed extension of this road.

The Lucky Shot-Willow Station sled road was converted to an automobile road for dry weather use as was the road connecting Iliamna Bay and Iliamna Village.

Contracts were let for the construction of the Juneau-Douglas bridge, the foundation work starting on April 23, 1934.

New aviation fields were constructed at Nome and Cordova from Public Works Administration funds.

Several new short roads and extensions were built in farming and mining areas.

At the request of the Commanding Officer, Chilkoot Barracks, the Alaska Road Commission undertook the supervision of the rehabilitation ed and at remained

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of the Sitka National Cemetery. Funds for the work were provided by the Public Works Administration through the War Department. Expenditures were \$4,583.41.

Work accomplished during the fiscal year is summarized as follows:

New construction: $136\frac{1}{4}$ miles road, 35 miles trail, 820 linear feet of bridges of 60-foot span or over, 4,703 linear feet of trestle span, 61 linear feet of concrete bridges, and 3 airfields.

Improvement: 35 miles road reconstructed, 70.83 miles road surfaced with 106,844 cubic yards gravel, 450 metal culverts installed and 11 airfields enlarged and improved.

Maintenance: 1,543 miles road, 74 miles tramway, 573 miles sled road, 4,759 miles permanent trail and 273 miles of temporary flagged trail were maintained at their usual standard.

The total mileage of all routes as of June 30, 1934, is as follows:

	Road	Sled <u>Road</u>	Trail	Flagged <u>Trail</u>	Grand Total
June 30, 1933	$(a)1,735\frac{3}{4}$	1,617	$7,284\frac{5}{4}$	712	11,349 1
Fiscal Year 1934 New mileage Reclassified	57		78 <u>4</u> -38 <u>3</u>		135 <u>1</u>
Total		1,576 <u>1</u>	$7,324\frac{1}{4}$	712	$11,484\frac{3}{4}$
No work of either maintenance or improvement during fiscal year 1934				4 39	4,091불
(a) Includes 74 miles tram roa		·		• • • • • • • • • •	

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PROPOSED OPERATIONS

In addition to \$452,000 from appropriated funds, it is estimated there will be available from the "Alaska Fund" and Territorial appropriations \$180,000 for the fiscal year ending June 30, 1935.

These funds will be required for normal maintenance of the existing system and for a limited improvement of certain sections. Surfacing will be provided where possible with available funds and a limited mileage of tractor road will be improved to an extent permitting the use of truck traffic in dry weather only. In addition to the above funds there is an unexpended balance of \$912,124.22 from Public Works Administration allotments. These funds will be expended during the fiscal year on the projects to which they were allocated.

RECOMMENDATIONS

For the fiscal year ending June 30, 1936 an appropriation of \$1,100,000 is recommended in addition to funds available from other sources. This will provide for necessary maintenance to the existing system and for the continuance of a reasonable program of construction on projects now under way and on needed new projects.

The principal projects on which new work would be performed are as follows:

<u>Olnes-Livengood</u>. This project should be surfaced throughout making it passable in any kind of summer weather.

Bunker Hill-Kougarok. Extension of road to serve mining area.

Kantishna-Park Boundary. Extension of Park road beyond boundary to serve mining area.

<u>Anchorage-Matanuska</u>. Completion of this project from Eklutna to connect with the Matanuska River Bridge at Palmer.

<u>Hot Springs-Tofty</u>. Improvement of a winter sled road truck road standard.

<u>Chistochina-Slate Creek</u>. Improvement of a winter sled road to summer tractor road standard.

<u>Colorado Creek</u>. Construction of a tractor road to serve mining development.

Teller-Bluestone. Extension of road to serve mining activities.

Cantwell-Valdez Creek. Improvement of trail to summer tractor road.

Newhalen-Lake Clark. New road construction.

Homer-Kachemak Bay. Extension of road to serve farming area.

Skagway-Glacier. Completion of road already started.

In addition to the above listed projects work will be required on a number of small projects to serve developments as they occur.

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A well planned program requires definite assurance that funds will be provided at a uniform rate. This allows for a definite plan for procurement and economical use of equipment as well as the building up of a well balanced and competent supervisory force. Such a plan is impossible under wide fluctuation of available funds from year to year.

THIRTY-YEARS' SERVICE

With the period covered by this report the Alaska Road Commission concludes its thirtieth year of service. The work accomplished consists of the construction and maintenance of 1,872 miles of wagon and tram road, most of which is suitable for automobiles, $1,576\frac{1}{2}$ miles of winter sled road, 7,324 miles of trail and 712 miles of flagged trail. The total costs to the end of the fiscal year are \$19,978,181.65, of which \$10,349,284.16 was for new work and \$9,628,897.49 was for maintenance and improvement. The total expenditures to date are \$20,440,743.04 of which \$14,529,306.93 was derived from Federal appropriation acts. The balance, \$5,911,426.11, or 29 percent of the total expenditures, was obtained from Alaskan sources.

The pioneer period of the Alaska Road Commission is largely over. All existing mileage has been opened and improved, so far as funds have permitted. The present system of roads serves as the basis for future development of overland routes throughout the Territory. This development calls only for additional funds for construction.

COSTS

A standard cost system is maintained in all districts, from which, over a period of years, valuable information can be secured in the preparation of estimates. In the use of such data, however, consideration must be given to the large differences in freight rates, labor costs and climatic conditions in the various sections.

In the interior of Alaska the average cost for construction of a mile of gravel-surfaced road capable of continuous traffic in any kind of summer weather, and of such width as to enable cars to pass at any point, is \$9,000.

Annual maintenance costs, including minor improvements, are roughly considered as \$300 per mile for wagon roads, \$25 for sled roads, \$10 for trails and \$3 for flagged trails. For the working season of 1933 the cost of maintenance, including minor improvements, was \$246 per mile for roads, \$17 for sled roads and \$6 for trails. Roads were kept open for traffic, except in unusual circumstances but in certain instances maintenance was insufficient due to lack of funds. Very little engineering is done on roads after the final survey is made. A resident engineering force is never maintained. To take the place of a permanent engineering force on a new job, foremen of long experience are employed and advised frequently by superintendents who are either engineers or men of wide experience on engineering work of this nature in Alaska.

Dispensing with relatively large engineering forces has reduced costs materially and, due to the low type of construction undertaken, has not adversely affected the work to any extent.

The Richardson Highway, which with the Edgerton Cutoff from Chitina totals 410 miles, is now in such condition that a 2-ton truck can ordinarily travel from Valdez to Fairbanks, 370 miles, in 18 hours. Actually the first automobile went over this route in 1913 but due to lack of funds improvement to a fair standard proceeded slowly. The average cost per mile to June 30, 1934 including all costs for construction and maintenance over the entire period of use for the 410 miles, is \$17,379.99. Total Cost

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The Steese Highway extending from Fairbanks to Circle, a distance of 162 miles, is suitable for traffic not exceeding 2-ton trucks. Including maintenance of completed sections over a period of 16 years, the total cost per mile of this road to June 30, 1934 is \$11,118.42.

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A consolidated cost statement of all routes follows:

CONSCLIDATED COST SUMMARY

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No.	Sub-project Name	Cost 1934	Total Cost to June 30, 1934	Cost Main- tenance and Improvement 1934	Total Cost Maintenance and Improve- ment to June 30, 1934	Cost Con- struction - 1934	Total Cost Construction to June 30, 1934
1*	Prince of Wales Island	\$	\$63,850.26	\$	\$21,038.40	\$	\$42,811.86
24*	Auke Bay Extension		60,404.43		12,300.30		48,104.13
2B*	Mendenhall Glacier Extension		15,150.21		7,644.57		7,505.64
20*	Eagle River Extension		18,362.32		3,360.00		15,002.32
2D*	Juneau-Duck Creek	· · · · · · · · · · · · · · · · · · ·	109,658.27		31,250.55		78,407.72
2E	Gastineau Channel Bar		30,007.83		1,386.00		28,621.83
2F .	Gold Creek Bridge, Juneau		2,156.75				2,156.75
2G	Alaska Juneau Mine Trail	· · · · · · · · · · · · ·	831.66				831.66
SH	Juneau Wharf	377.08	34,195.59	377.08	3,979.28		30,216.31
Sl	Juneau Float	34.69	5,241,48	34.69	107.06	·	5,134.42
5K	Willoughby Avenue	51,519.06	51,519.06			51,519.06	51,519.06
5T	Juneau-Douglas Bridge	7,5 ⁴ 5,92	7,545,92	******		7,545,92	7,545,92
3 AB	Haines-Pleasant Camp	28,051.54	448,540.08	10,051.54	164,715.89	18,000.00	283,824.19
30	Porcupine Extension		47,634.63		9,279.73		38,354.90
3D	Haines-Mud Bay	483.29	32,627.95	483.29	13,820.49		18,807.46
3E	Haines-Chilkoot	1,013.07	21,963.21 15	1,013.07	3,726.65	······································	18,236.56

			Total Cost		Total Cost		Total Cost
N <u>o.</u>	Sub-project Name	Cost 1934	to 6-30-34	Cost M & I 1934	M & I to 6-30-34	Cost Con. 1934	1 · · · · · · · · · · · · · · · · · · ·
3F	Haines-Jones Point	\$	\$2,353.20	\$	\$799-75	\$	\$1,553.45
3G :	Chilkoot Barracks Water Supply		28,344.60		Vill 500 Trimulo 440		28,344.60
3H	Chilkoot Barracks Roads		1,252.50		1,252.50		
4 <u>4</u> **	Donnelly-Washburn		33,460.06		14,594.66		18,865.40
<u>444</u>	Richardson-Democrat Creek		2,320,59				2,320.59
4AB	Donnelly Aviation Field	·	137.42		^{20,4} 14.11	من م	123.31
4 <u>8</u> 4	Valdez-Ptarmigan Drop	30,066.42	1,133,819.28	30,066.42	663,262.73	·	470,556.55
4BA	Dyke	8,401.06	132,813.06	8,401.06	76,747.08		56,065.98
4BB	Ptarmigan Drop-Ernestine	5,332.74	466,358.81	5,332.74	295,131.25		171,227.56
40	Ernestine-Willow Creek	5,717.76	374,021.99	5,717.76	196,522.14		177,499.85
4D	Willow Creek-Gulkana	28,465.78	658,511.26	28,465.78	412,116.68		246,394.58
4E	Gulkana-Sourdough	688.95	385,746.14	688 .05	241,572.44		144,173.70
4F	Sourdough-Mile 168	3,494.75	329,503.03	3,494.75	193,244.74		136,258.29
4 G	Mile 168-Delta River	3,167.48	5 ⁴⁴ ,900.87	3,167.48	386,284.98		158,615.89
4H1	Delta River-Rapids	28,497.72	801,146.26	28,497.72	541,180.66		259,965.60
4H2	Rapids-Grundler	10,563.15	426,339.25	10,563,15	305,953.13		120,386.12
μī	Grundler-Richardson	4,413.34	352,734.34	4,413.34	231,440.34		121,294.00
<i>H</i> J	Richardson-Salchaket	3.047.84	462,470.94	3.047.84	246,952.93		215,518.01

Sub-project Cost Cost M & I M & I to Cost Con. Construction

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41 (dler-Richardson	4,413.34	352.73	4,413,34	231.440.34		121.291
45 Hichardson-Salcheket	1 3.047.84	1462,1470,94	8.047.84	1246.952.93		
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Sub-project Name	Cost 1934	Total Cost to 6-30-34	Cost M & I 193 ¹ 4	Total Cost M & I to 6-30-34	Cost Con. 1934	Total Cost Construction to 6-30-34
JA Lake Harding Road	\$	\$5,068.96	\$	\$1,968.21	\$	3,100.75
K Salchaket-Fairbanks	3,942.62	559,262.85	3,942.62	304,299.98		254,962.87
KA Salcha Bridge	1,812,39	95,482.06	1,812.39	45,111.39		50,370.67
** Ester-Dunbar	·	19,405.18		6,781.00		12,624.18
A Dunbar-Tanana	415.65	91,696.08	415.65	41,426.39		50,269.69
B Nenana-Campbells		2,025.61	*** *** *** ***	106.60		1,919.01
C Fish Lake-American Creek	655.04	8,166.47	665.04	2,399.94		5,766.53
D American Creek Aviation Field .		940.00	-			940.00
E Tanana Aviation Field	1,378.22	5,653,14		374.96	1,378.22	5,278.18
F Illinois Creek-Moran Creek	:	1,178.89		ten, est - ma - 14		1,178.89
A Willow Creek-Tonsina	593.00	231,782.38	593.00	122,121.60		109,660.78
B Tonsina-Chitina	4,907.98	366,518.56	4,907.98	221,155.87		145,362.69
D Chitina Depot	378.45	14,979.23	378.45	3,040.57		11,938.66
E Chitina-Native School	11.75	1,080.96	11.75	585.90		495.06
F Lower Tonsina Aviation Field		1,587.15				1,587.15
G Copper Center Aviation Field	•	276.92		76.33		200.59
I Chitina Aviation Field		110.85	, 			110.85
Sunmit-Chatanika	2,080.93	87,116.87	2,080.93	46,354.16	·	40,762.71
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	No.	Sub-project Name	Cost 1934	Total Cost to 6-30-34	Cost M & I 1934	Total Cost M & I to 6-30-34	Cost Con. 1934	Total Cost Construction to 6-30-34
	744	Cleary Creek	\$137.97	\$9,342.04	\$137.97	\$5,024.23		\$4,317.81
•	γв	Fox-Olnes	506.31	51, ¹⁴¹⁴ .5 ¹ 4	506.31	23,352.89		28,091.65
•	7BA	Dome-Spaulding Mine		3,250.35		410.98	<u>_</u>	2,839.37
,	7BB*	*Fox-Steel Creek		855•75.	···· ··· ··· ··· ··· ··· ··· ··· ··· ·			855.75
•	70	Summit-Fairbanks Creek	1,534.13	56,887.19	1,534.13	31,984.58	· · · · · · · · · · · · · · · · · · ·	24,902.61
	7CA	Summit-Fish Creek	697.25	17,479.39	697.25	4,698.57		12,780.82
	7D	Ester Creek	8,799.43	97,764.26	8,799.43	59,107.33		38,656.93
	7DA	College Spur	13.44	1,413.59	13.44	883.59		530.00
	7DB	Ester-Dome	287.35	4,984.99	287.35	792.26		4,192.73
	7DC	St. Patricks-Happy-Gold Stream	1,211.06	8,386.50	1,211.06	2,317.03		6,069.47
	7DD	Ester-Beegler	· · · · · · · · · · · · · · · · · · ·	1,010.28		10.28		1,000.00
, 	7DE	Ready Bullion		365.30		;		365.30
×	7 E **	Vault Creek		4,875.20		172.37		4,702.83
·· •· •	7 F **	Vault Creek-Treasure Creek	· · · · · · · · · · · ·	1,379.09		29.09		1,350.00
	7G	Fairbanks-Gilmore	10,176.42	199,285.88	10,176.42	128,883.13		70,402.75
	7GA	Lazelle Road	1,745.60	7,770.56	1,745.60	3,657.05		4,113.51
	7 H	Little Eldorado Creek	273. ⁴⁴	22,666.82	273.44	14,088.51		8,578.31
· · · ·	IT	Gilmore-Summit	3,606.11	62,609.88	3,606.11	43,446.56	: 	19,163.32
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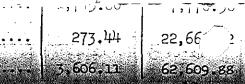
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No.	Sub-project Name	Cost 1934	Total Cost to 6-30-34	Cost M & I 1934	Total Cost 17 & I to 6-30-34	Cost Con. 1934	Total Cost Construction to 6-30-34
7IA*	*Gilmore Creek	\$	\$1,562.00	\$	\$	\$	\$1,562.00
7J.	Fairbanks-Chena Hot Springs	294,98	18,273,93	294.98	10,241.34		8,032.59
7JA	Chena River Branch	147.48	2,323.84	147.48	1,709.83		614.01
7JB	Palmer Creek Aviation Field		839.11		264.11	4414 (ma) dan verin om	575.00
7J.C	Colorado Creek-South Fork		600.00				600.00
7K	Olnes-Livengood	127,468.57	190,816.66		2,170.39	127,468.57	188,646.27
7N	Farmers-Birch Hill	7,296.15	34,87.7.38	7,296.15	20,475.41		14,401.97
7N <u>A</u> .	Isabelle Creek		2,853.77		1,178.77		1,675.00
7NB	Ballaine-Rickert	, <u>.</u>	1,935.68		135.68		1,800.00
7R	Goldstream-O'Connor Creek		662.56		507.92	· •••• ••••	154.64
7S	Graehl Bridges	· · · · · · · · · · · · · · · · · · ·	6,625,25		3,574.89		3,050.36
7T	Farmers-Chena Slough	138.00	. 17,570.66	138.00	6,371.89		11,198.77
7V .	Fairbanks-Wireless Road		495.46		495.46		-
7X	Chena Hot Springs Aviation Field		1,739.58		50.00		1,689.58
7¥	Fairbanks Aviation Field		19,969.33	Burli Gala tain tain ann	498.11		19,471.22
7Z	Fairbanks Aviation Field Road		766.66				766.66
g	Nome-Council	11,038.46	4443,065.71	8,538.46	261,182.75	2,500.00	181,882.96
8D	Council-Ophir Creek	889.31	9,521.43	889.31	9,521.43		

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No.	Sub-project Name	Cost 1934	Total Cost to 6-30-34	Cost M & I 1934	Total Cost M & I to 6-30-34	Cost Con. 1934	Total Cost Construction to 6-30-34
8H	Casa de Paga	\$1,111.16	\$33,846.90	\$1,111.16	\$16,407.25	\$	\$17,439.65
8J	Shovel Creek		66.55		8.05		58.50
SK	Council Aviation Field		2,244.27	- - - -	845.03	: • • • • • • • • • • • • • • • • • • •	1,399.24
: 8L ·	Port Safety Aids		616.50		616.50		
· 9	Bampart-Eureka	261.80	54,173.15	261.80	25,058.79		29,114.36
10*	Seward-Kenai Lake		80,783.93	·	34,523.10		46,260.83
104*	Seward-Radio		6,594.04	~~	124.00		6,470.04
10B*	Seward-Nash		21,996.00		8,753.70		13,242.30
<u>10</u> 100*	Lowell Creek Flood Control		124,663.54		11,424.92	-	113,238.62
loD	Seward Aviation Field	2,648.08	12,991.69		245.75	2,648.08	12,745.94
- 11A	Eagle-Liberty	4,370.34	128,113.97	4,370.34	74,691.42	· 	53,422.55
11B	American Summit-Fortymile	603.72	28,968.24	603.72	8,717.05	· · · · · · · · · · · · · · · · · · ·	20,251.19
: 110	Steel Creek-Mouth Walker's Fork	659.00	9,592.24	659.00	4,959.74	۰ سوچه دور می	4,632.50
11D	Steel Creek-Walker's Fork		6,446.20		2,336.20		¹⁴ ,110,00
lle	Eagle-Seventymile	1,899.02	22,752.27	1,899.02	17,787.68		4,964.59
11F	Liberty-Chicken	1,227.71	19,807.59	1,227.71	15,793.32	۰ 	4,014.27
116	Steel Creek-Canyon Creek	31.01	986.04	31.01	986.04		
<i>JJ</i>	Fortymilo-Chickon		76.11		76.11	/	

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Sub-project No. Name	Cost 1974	Total Cost to 6-30-34	Cost M & I 1934	Total Cost M&I to 6-30-31	Cost Con. 1934	Total Cost Construction to 6-30-34
11K Fortymile-Steel Creek	\$	\$80,00	\$	\$30 . 00	\$. \$
llL Franklin-Chicken	329.02	2,436.88	329.02	2,436.88		*** -= *** ==
11M Jack Wade-Walker's Fork-Boundary		350.47		350.47	· · · · · · · · · · · · · · · · · · ·	
llN Lillywig Creek	, 	909.50	•			909.50
11P Chicken Aviation Field	66.86	2,816.00	66.86	115.86		2,700.14
IQ Eagle Aviation Field	66,86	2,829.84	66.86	809.09		2,020.75
2A**Mile 34-Lynx Creek	· · · · · · · · · · · · · · · · · · ·	22,192.66		8,239.03		13,953.63
.3A Nome-Bessie	365.58	88,839,89	365.58	50,297.94		38,541.95
3B Bessie-Snake River	13,576.55	99,754.90	4,076.55	60,721.78	9,500.00	39,033.12
3EA Snake River-Monument Creek		1,788.65		371.38	·	1,417.27
30 Bessie-Sunset Creek	11,028,52	62,726.56	2,128.52	19,414.28	8,900.00	43,312.28
3D**Bessie-Dry Creek		3,289.20		1,706.73		1,582.47
3E**Dry Creek-Newton		623.74		223.86	, , , , , , , , , , , , , , , , , , ,	399.88
3F Nome-Osborne	770.79	58,625.33	770.79	43,231.54	<u></u>	15,393.79
3G**Grass Gulch		1,125.73	 	338.94	▲ sugar sumb dava versit dente	786.79
3H**Center Creek		1,538.80		1,455.15		83.65
3J** Wonder-Flat Creek		2,803.72		2,633.22		170.50
3K Bessie-Buster	537.87	56,625.91	537.87	39,121.93		17,503.98
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No.	Sub-project Name	Cost 1934	Total Cost to 6-30-34	Cost 'M & T 1934	Total Cost M & I to 6-30-34	Cost Con. 193 ¹ 4	Total Cost Construction to 6-30-34
13L	Nome Buoys	\$	\$585.00	\$	\$585.00	\$	\$
1 <u>3</u> M	Nome Depot	34.10	4,866.52	34.10	4,866.52		
14*	Sitka-Indian River		9,610.88		3,336.16	······································	6,274.72
14	Sitka-Indian River	625.59	7,573.32	625.59	4,010.32		3,563.00
1 ¹ 4A	Sitka National Monument	593.50	13,531.21	593.50	11,981.21		1,550.00
14B*	Sitka National Cemetery		9,233.02		5,733,02		3,500.00
14C	Sitka-Pioneer Cemetery Road	46.80	4,532.53	46.80	1,241.51		3,341.02
14D	National Cemetery Road	115.25	2,493.60	115.25	1,796.13		697.47
15	Circle-Miller House	6,330.87	596,395.68	6,330.87	163,707.65		432,688.03
154	Central House-Circle Hot Springs	1,253.70	34,141.27	1,253.70	11,640.57		22,500.70
15B	Central House-Deadwood	287,66	12,506.09	287.66	454.21		12,051.88
150	Circle Hot Springs Aviation Field	662.36	2,364.57	· · · ·	385.71	.662.36	1,978.86
15D	Leech Cutoff		224.75		ana 110 an 110 an		224.75
15E	Miller House-Harrison Creek	3,858.36	6,128.83		399•94	3,858.36	5,728.89
16	Chatanika-Miller House	45,362.84	855,775.73	45,362.84	320,167.22		535,608.51
16 <u>A</u>	U. S. Creek Branch		12,362.79		1,990.66		10,372.13
16B	Eagle Creek Spur		306.03		224.86		81.17
<i>160</i>	Chatanika-Miller House (Winter)	29.75	23.305.51	29.75	8,690.77		14.614.74

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		1	Total Cost	[Total Cust		Total Cost
	Sub-project	Cost	to	Cost M & I	M&I to	Cost Con.	Construction
No.	Name	1934	6-30-34	1934	6-30-34	1934	to 5-3034
16D	Sourdough Creek Branch	.\$	\$3,982.76	\$	\$1,218.64		\$2,764.12
17	Tanana-Kaltag	100.00	34,514.24	. 100.00	10,776.44		23,737.80
174*	*Lewis Landing-Dishkaket		483.37				483.37
17B*	*Nulato-Dishkaket		.735.88		250.00		485.88
170	Nulato Aviation Field		5,026.02		14.13		5,011.89
17D	Tanana-Kaltag Telephone Line	<u> </u>	6,683.59		6,683.59		
18	Kaltag-Nome	2,684.47	74,350.45	2,684.47	46,213.06		28,137.39
18A	Bonanza-Kotzebue	. 250,90	10,657.25	250.90	9,427.25		1,230.00
18B	Golovin-Council		570.65	51.21	570.65	and and the first the	
1.8D	Unalakleet Aviation Field		1,641.17		199.50		1,441.67
13E	Solomon Aviation Field		719.83		624.83		. 95.00
18F	Golovin Aviation Field		1,751.97	يبنه نبب فيب عقد عليو	172.90		1,579.07
18G	Moses Aviation Field		254.20		.29.20	· · · · · · · · · · · · · · · · · · ·	225.00
18H	Kaltag-Unalakleet Telephone Line		2,454.00		2,454,00		
18J	Spruce Creek	478.89	766.39	478.89	478.89		287.50
19**	Kern Creek-Knik		13,891.95		3,615.73		10,276.22
.94**	Kenai Lake-Kern Creek		6,833.20				6,833.20
.9B**	Mile 27-Mile 29 A.N.R.R.	,	741.66		······		741.66

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Sub-project No. Name	Cost 1934	Total Cost to 6-30-34	Cost M & I	Total Cost M & I to 6-30-34	Cost Con. 1934	Total Cost Construction to 6-30-34
19C** Kenai Lake-Mile 27 A.N.R.R		1,595.81				1,595.81
19D** Kern Creek-Indian Creek		3,758.26				3,758.26
19E* Girdwood-Crow Creek		3,434.15		2,542.50		891.65
20A** Knik-Susitna		8,437.44		629.59		7,807.85
20B Susitna-Rainy Pass		32,876.98	· · · · · · · · · · · · · · · · · · ·	6,598.69		26,278,29
200 Rainy Pass-Big River		16,436.46	: 	1,927.39		14,509.07
20D** Dishkaket-Kaltag		4,290.00		38.60	·	4,251.40
20DA Takotna-Ophir (Winter)	130.40	5,026.87	130.40	1,226.87		3,800.00
20DB Ophir-Dishkaket		4,335.00		760.00		3,575.00
20E** Susitna-McDougal	······································	8,640.21				8,640.21
20F** McDougal-Cache Creek		. 7,350.00		347.10		7,002.90
20G** Lakeview-McDougal		3,675.00				3,675.00
20H Nancy-Susitna		2,773.36	· · · · · · · · · · · · · · · · · · ·	3,773.36		
20J Susitna-Tyonek		4,122.45		1,478.52		2,643.93
20K Susitna Aviation Field		931.10			· · · · · · · · · · · · · · · · · · ·	931.10
21 Unalakleet-St. Michael	20.00	8,916.33	20.00	6,313.70	 	2,602.63
21A St. Michael Aviation Field	Natar (1994) kana kana pana	110.00	· · · · · · · · · · · · · · · · · · ·			110.00
22 Hot Springs-Sullivan Creek	392.36	60.91,4.31	392.36	33.090.47	/	27-223-24

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23C	Big Creek		9,614.77	4498 taa 249 Web and	3,294.77	· · · · · · · · · · · · · · · · · · ·	6,320.00
23D	Caro-Flat Creek		16,517.56		12,494.30	·	4,023.26
23E	Caro-Coldfoot		13,167.46		5,607.59		7,559.87
23F	Chandalar Aviation Field		8,335.74		120.00		8,215,74
24*	Mile 29 A.N.R.RSunrise		57,850.94		27,123.09		30,727.85
244*	Lynx Creek-Six Mile		10,882.40		3,800,00		7,082.40
24B*	Sunrise-Hope		1,085.00		200,00		885.00
25 A* *	Cripple River		8,801.79	· · · · ·	3,743.82		5,057,97
25B**	Penny River		1,967.08	س	691.05	· · · · · · · · · · · · · · · · · · ·	1,276.03
250	Nome-Wireless		3,815.43		2,050.52		1,764.91
25D	Mouth of Center Creek	358.43	27,815.07	358.43	20,314.00	·	7,501.07
25DA	Little Creek Branch	73.31	4,480.20	73.31	683,50		3,796,70
25E	Submarine Paystreak	98.44	36,912.80	98.44	12,542.47	·	24,370.33
25H**	Otter Creek		1,802.52		652.98		1,149.54
25K	Nome City Dock	8 ¹ 4.82	3,051.47	84.82	8 ⁾ †•85		2,966.65
25L	Nome Aviation Field	8,783.13	17,765.56		5,459.73	8,783.13	12,305.83
25M	Telephone Lines, Seward Peninsula		13,149.20		11,449,20		1,700.00
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		· · · · · · · · · · · · · · · · · · ·	Total Cost		Total Cost		Total Cost
	Sub-project	Cost	to	Cost M & I	M&I to	Cost Con.	Construction
No.	Name .	1934	6-30-34	1934	6-30-34	1934	$t_0 6-30-34$
25N	Nome City Streets	220.45	1,540.02	220.45	1,540.02	- · ·	
25P	Nome Harbor Lights		815.29		815.20		
25E	Radio Telephones		6,477,34				6,477.34
26	Candle-Candle Creek	2,178.41	87,497.91	2,178.41	52,503.84		34,994.07
264**	Kugruk River Approach		488.00		488.00		· · · · · · · · · · · · · · · · · · ·
26в	Bear Creek Trail	94.16	814.48	94.16	474.48		340.00
260	Candle-Kiwalik	22.19	1,085.60	22.19	57.69		1,027.91
26D	Kiwalik Aviation Field		873.50		573-50		300.00
26E	Candle Aviation Field		1,355.00				1,355.00
26F	Telephone Line Reconnaissance		148,00	\$~~~	148.00		· · · · · · · · · · · · · · · · · · ·
260	Candle Radio Road		.575.00			· · · · ·	575.00
27	Deering-Inmachuk	3,092.95	105,875.18	3,092.95	74,983.28		30,891.90
27A	Deering Aviation Field	,	1,159.65		137.65		1,022.00
28	Shelton-Candle		12,368.89		4,161.87		8,207.02
28A	Nome-Serpentine Hot Springs.	396.81	17,964.52	396.81	12,725.52		5,239.00
29	Tanana-Bettles	526.12	12,878.41	526.12	5,866.30		7,012.11
29A	Bettles-Coldfoot	777.72	20,017.74	777.72	14,887.74	e	5,130.00
590	Mile 70-Hughes		2,167.02		458.45		1,708.57

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No.	Sub-groject Name	Cost 1934	Total Cost to 6-30-34	Cost M & I 193 ⁴	Total Cost M & I to 6-30-34	Cost Con. 1934	Total Cost Construction to 6-30-34
29D	Wild River Trail		1,425.76		1,425.76		
29E	Bettles River Aviation Field		500,00				500.00
30	Hot Springs Landing-Eureka	6,397.70	87,226.00	6,397.70	66,800.19		20,425.81
30A	Hot Springs-Tofty	4,264.08	10,947.55	· · · · · · · · · · · · · · · · · · ·	2,374.21	4,264.08	8,573.34
30B	Manley Hot Springs Aviation Field		1,189,98		49.98		1,140.00
31	Caribou Creek	610,85	15,054.49	610.85	6,473.57		8,580.92
32A	Takotna-Flat (Summer)	57.20	9,305.14	57.20	3,867.85		5,437.29
32AA	Takotna-Flat (via Moore Creek)	1,197.18	1,321.01	397.18	521.01	800.00	800.00
32AB	Flat-Moore Creek		15.00		15.00		
3240	Candle Creek-Takotna		1,216.09		1,216.09		
32B	Iditarod-Flat	2,873.97	125,882.97	2,873.97	69,996.70	a an	55,886.27
32BA	Iditarod River Improvement		100.00			من و الملك فرس حدث هذه	100.00
320	Ophir-Iditarod	306.16	8,053.42	305.16	3,053.42		5,000.00
32D	Flat-Crooked Creek	202.28	6,517.51	202.28	5,037.51		1,480.00
32DD	Flat-Georgetown		150.00		150.00		
32E _	Takotna Aviation Field	9.25	3,869.12	9.25	446.68	-	3,422,44
32F	Takotna Depot	701.05	14,268.18	701 .3 5	6,658.91		7,609.27
33A**	Otter Creek Towpath	د در در در در میرد در در مدینه استور می	448.23		· · · · · · · · · · · · · · · · · · ·		448.23

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No.	Sub-project Name	Cost 1934	Total Cost to 6-30-34	Cost M & I 1934	Total Cost M & I to 6-30-34	Cost Con. 1934	Total Cost Construction to 6-30-34
33B**	Summit-Otter Creek		5,047.66		5,047.66	-	•-\$ <u>\$-</u> *
330	Flat City-Flat Creek	415.69	5,868.65	415.69	5,868.65		
33D	Head Flat Creek-Willow Creek	2,392.05	10,000.57	2,392.05	8,757.57		1,243.00
33DA	Happy Creek Road	360.46	360.46			360.46	360,46
33Ÿ	Willow Creek-Chicken Creek	1,661.97	11,608.59	1,661.97.	10,108.59		1,500.00
33F	Flat City-Slate Creek	9,922.70	31,417.28	1,422.70	11,102,58	8,500.00	20,314.70
33G	Candle Landing-Candle Creek	5.16	6,577.16	5.16	980.16		5,597.00
33E	Flat Aviation Field	56.58	3,180.00	56.58	280.00	: 	2,900.00
34**	Iditarod-Dishkaket	ананананананананананананананананананан	4,830.98		100.00		4,730.98
3 ⁴ A	Flat-Holy Cross-Anvik	431.58	2,519.95	431.58	2,519.95		
34B	Iditarod-Shageluk-Anvik	80.07	1,365.66	80.07	865.66		500.00
35∆	Archangel Extension	278,96	31,720.19	278.96	14,522.27		17,197.92
35ÅA	Sherry Branch		1,768.49	المعاقبين النبا شعف الدبي	649.17		1,119.32
35AB*	*Fairangel Extension	, 	104.20				104.20
35B	Palmer-Fishhook	428.02	40,360:01	428.02	15,672.09		24,687.92
35BA	Falk Road	1,102.75	1,102.75			1,102.75	1,102.75
350	Palmer-Matanuska River	314.22	35,183.49	314.22	11,527.33	·	23,656.16
35D	Fillow Groek Extension	778.05	115.568.64	779.05	77.117.50	/	35.734.24

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35BA Falk Road	. 1,102.75	1,102.75			1,102,75	1,102.75
350 limer-Matanuska Biver		\sim			1. 1. 1. 1. 1. 1. 1. 1. T. F.	1 1221 6E
300LIMER÷MELTAMISKA_AIVER	914-2C		J-4.22		Name and the second	
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	Sub-project	Cost	Total Cost	Cost 11 & I	Total Cost M&I to	Cost Con.	Totel Cost Construction
No.	Name	1954	to 6-30-34	1934	6-30-34	1934	to 6-30-34
35DA	Gold Chord Branch	219.65	12,556.66	219.65	1,965.42		10,591.24
35DB	Lucky Shot-Willow	23,278.57	94,997.03	3,178.57	6,255.75	20,100.00	88,741.28
55E	Wasilla-Fishhook	1,285,49	132,404.77	1,285.49	98,992.14		33,412.63
5EA	Lakeview Road	5,400.09	5,400.09			5,400.09	5,400.09
55F	Wasilla-Knik	590.98	54,346:03	590.98	27,910.56		26,435.47
5G	Palmer-Springer	130.95	3,332.39	130.95	1,759.07	Table Lands Fride Tarrell Stands	1,573.32
55H	Wasilla-Finger Lake-Pamer	346.63	37,307.88	346.63	18,250.65		19.057.23
35I	Moose-Palmer	5,657.52	8,178.14		627.53	5,657.52	7,550.61
35J	Wasilla-Matanuska	918.39	28,759.10	918.39	19,482.87	0	9,276.23
55X	Matanuska Trunk Road	469.98	50,355.81	469.98	35,304.35		15,051.46
35L	Palmer-Matanuska	853.64	17,806.75	853.64	9,402.05		8,404.70
5N	Houston-Willow Creek		1,212.32		272.00.		940.32
5 <u>0</u>	Fishhock-Goldmint	146.15	25,855.14	146.15	8,318.31		17,536.83
5P**	Moose Creek-Baxter		2,218.62				2,218.62
5ર	Edlund Road	1,314.68	4,494.70		628.33	1,314.68	3,866.37
5R	Bogard Road	5 1 - ₇₁₇	14,120.51	271.44	1,891.93		12,228.58
5RA	Engstrom Road		1,020.00				1,020,00
5s	Moose Creek Trail		2,118,44		77-43		2,041.01

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		4 A. B.	Total Cast		Total Cost		Total Cost
	Sub-project	Cost	to	·Cost M & I	M & I to	Cost Con.	Constructio
No.	Name	1934	6-30-34	1934	6-30-34	1934	
35-т	Werner Connection		502.94		16,00		486.94
35U	Moose Creek Aviation Field		481.75		20.25		461.50
35⊽	Fishhook Aviation Field		917.49	· · · · · · · · · · · · · · · · · · ·	68.75		848.74
35₩	Wasilla Aviation Field	540.00	999•50	54 8. C0	540.00		459.50
35X	Wasilla Aviation Field Road.	149.85	1,417.21	149.35	281.27		1,135.94
35Y	Wasilla Depot	154.00	154.00	154.00	154.00		***** e-ray e-ray and diffe
36	Mineral Creek	Bield frag gyn iwell fairith .	60,633.37		25,318.36		35,315.01
36A	Grandy Road		3,431.35	···· ···	349.44		3,081.91
36B	South 2nd Street, Cordova		3,373.15				3.373.15
360*	Eyak Lake Road		7,735.85				7,735.85
36CA	Cordova Aviation Field		941.90		15.75		926.15
360B	Cordova Airport	41,938.61	41,938.61			41,938.61	41,938.61
36D**	Valdez-Quartz Creek		524.75				524.75
36E**	Valdex-Glacier		616.91				616.91
36 F* *	Shoup's Bay		3,457.25		• •		3,457.25
37	Topkok-Candle		1,026.56		210.00		816.56
37▲	Bluff-White Mountain	•5 ⁴	3,287.47	•5 ¹ 4	14.24	***	3,273.23
37B	Bluff Aviation Field		80.00		/	/	80.00

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8A]	Ruby-Long	3,996.35	250,009.95	3,996.35	117,983.60		132,020.35
SB I	Poorman-Cripple	1,068.74	5,790.56	1,068.74	4,287.60		1,502.96
80 G	Ophir-Cripple	408.07	4,776.79	408.07	2,877.79		1,899.00
SD (Dphir-Takotna	6,630.02	274,278.25	6,630.02	99,770.75		174,507.50
SDA 1	Little Creek Road	254.23	13,597.03	254.23	2,948.99		10,648.04
8E]	Long-Poorman	6,983.70	169,293.04	6,983.70	52,100.48		117,192.56
SEE]	Long-Poorman (Winter)	79•75	5,634,76	79.75	366.76		5,268.00
SEEE !	Tamarack-Poorman		22,322.69				22,322.69
SF .	Poorman-Ophir	1.75	3,032.19	1.75	3,032.19	·	
8G (Takotna Aviation Field Road	217.49	9,295,96	217.49	1,361.72		7,934:24
SH (Ganes Creek Road	871.07	15,979.56	871.07	12,575.71		3,403.85
SK .	Ruby Aviation Field	100.00	2,198.51	100.00	998.51	-	1,200.00
SL :	Ruby Aviation Field Road	83.30	583.30	83.30	83.30		500.00
8M (Ophir Aviation Field		1,825.12				1,825.12
9 * .	Juneau-Sheep Creek		45,929.40		20,539.27		25,390.13
-	Douglas-Gastineau Channel		18,616.56		6,596.68		12,019.88
	Kiana-Klery Creek		3,915.08		900.32		3,014.76
	Kotzebue-Shungnak	258,45	4,356.57	258.45	4,356.57		and prove data and prove the second se

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No.	Sub-project Name	Cost 1934	Total Cost to 6-30-34	Cost M & I 1934	Total Cost M & I to 6-30-34	Cost Con. 1934	Total Cost Construction to 6-30-34
4 <u>1AA</u>	Kiana-Selawik-Shungnak	815.44	2,357.27	15,44	765.87	800.00	1,591.40
41B	Kotzebue-Point Barrow	17.85	6,097.64	17.85	1,697.62		4,400.02
41C	Kiwalik-Noorvik	1.89	515.31	1.89	515.31		
41D	Kotzebue Aviation Field		1,955.45		537.90		1,417.55
41E	Kobuk Aviation Field		2,299.00				2,299.00
41F	Kotzebue-Noatak	32.00	77.58		·	32.00	77•58
42	St. Michael-Kotlik	84.79	2,817.89	⁸¹⁴ •79	2,817.89		
43*	Petersburg-Scow Bay		23,466.23		9,968.56		13,497.67
ग्री*	Skagway Valley		11,124.83		2,320.88		8,803.95
нн т	Skagway Trails	653.97	19,126.43	653.97	7,967.72		11,158.71
44B	Skagway Aviation Field	185.62	7,234.49	185.62	448.96		6,785.53
<u>117</u> С	Skagway-Denver Glacier	24,343.86	24,343.86			24,343.86	24,343.86
45*	Silver Bow Basin		23,466.21		17,527.59		5,938.62
46	Kobi-Fureka		16,437.54		3,865.91	· · ·	12,571.63
46A .	Roosevelt-Kantishna		61,686.53		19,723.84	-	41,962.69
46B	Lignite-Kantishna		13,130.00		1,163,09		11,966.91
46C	Nenana-Knight's Roadhouse	507.86	4,358.30	507.86	2,765.72		1,592.58
77 <i>0</i> 7	McKinley Park Road	62,218.91	860,447.20	18,427.03	119,023.24	43,791.88	741,423.96

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Total Cost Total Cost Total Cost Sub-project Cost Cost M & I M & I to Cost Con. Construction to 6-30-34 1934 1934 Name 1934 6-30-34 to 6-30-34 No. 46DA Kantishna-Park Boundary 258,90 258.90 258.90 258,90 46E Diamond-Telida 10,597.69 321.29 6,811.56 3.786.13 321,29 8.076.06 202.79 Nenana Cemetery Road 202.79 4,257.43 3,818.63 46E 46G Kobi-Bonnifield 5,767.51 60.90 5,706.61 46H Lake Minchumina Aviation Field. 914.11 164.11 750.00 46J Kantishna Aviation Field 775.00 100.00 675.00 46K Telida Aviation Field 850.00 250.001 600.00 ••••• -- -- -- --46M Nenana Aviation Field 1,108.04 388.04 720.00 ----Coldfoot-Wiseman 17.082.94 819.94 8,140,33 8,942.61 819.94 47 47A Wiseman Aviation Field 6,082,67 1,969.42 8,403.44 2,320.77 1,969.42 47B Nolan Branch 1,696.32 30,012.88 1,696.32 18,634.74 11,378.14 47C Wiseman-Hammond 11,869.00 2,502.07 3,967.07 2,502.07 7,901.93 Jim Pup Trail 2,625.13 2,625.13 2,625,13 2,625.13 47D Iliamna Bay-Iliamna Lake 16,827.24 88,679,92 48 2,127.24 9,737.01 14,700.00 78,942.91 Davidson's Landing-Taylor 24.854.66 3,086.33 3,086.33 17,141,49 49 7,713.17 Stikine River 2,256.75 50* 2,256.75 دمر بيبر جروني عند 8,572.60 294,587.83 8,572.60 129,248,48 165,339.35 51 Talkeetna-Cache Creek 51A Cache Creek Trail 9.00 4.562.11 9.00 2,292,11 2,270.00

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Subproject No. Name	Cost 1934	Total Cost to 6-30-34	Cost M & I 193 ¹ 4	Total Cost M & I to 6-30-34	Cost Con. 1934	Total Cost Construction to 6-30-34
51B Peters Creek Trail	233.77	18,133.88	233.77	5,645.99		12,487.89
51C Yentna-Mills Creek	۲۰۰۰ د ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲ ۰۰۰ - ۲۰۰۰ ۲	5,174.80	ر ۲۰۰۰ میں در ۲۰ میں میں میں میں	44.36		5,130,444
51E Mills Creek-Cache Creek		2,283.33	· · · · · · · · · · · · · · · · · · ·	975.88		1,307.45
51F . Cache Creek Aviation Field	· · · · · · · · · · · · · · · · · · ·	179.90			*	179.90
52* Ketchikan-Ward's Cove	· · · · · · · · · · · · · · · · · · ·	26,120.42		5,000.00	· · · · · · · · · · · · · · · · · · ·	21,120.42
52A* Ketchikan-Charcoal Point		15,500.48		3,000.00	· · · · · · · · · · · · · · · · · · ·	12,500.48
53 Eagle-Circle	A the second sec	5,846.59		4,161.87		1,684.72
534 Circle-Fort Yukon	5.40	7,993,95	5.40	3,827.38		4,166.57
53B Fort Yukon Aviation Field		3,098.00	·	557.11		2,540.89
54 Chisana-Nizina	178.76	10,482.13	178.76	3,154.83		7,327.30
54A Chisana Aviation Field		1,744.63		250.00		1,494.63
54B Nabesna Aviation Field	619.01	2,620.49	619.01	1,143.91	· · · · · · · · · · · · · · · · · · ·	1,476.58
55 Kenai-Russian River		14,186.58		7,627.32		6,559.26
55A Kenai-Aviation Field	999.60	1,901.11	999.60	999.60		901.51
56** Tasnuma		1,058.14				1,058,14
56B** Katalla-Chilkat	·	7,752.56				7,752.56
57 McCarthy-Dan Creek	10,190.11	249,844,33	7,190.11	95,492.10	3,000.00	154,352.23
57A Nizina River Bridge	1,608,54	181,425.26	1,608,54	55.483.46		125,941.50

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McCarthy-Dan Creek 10,190.11 21- 344,33

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7,190,11 95,492.10 3,000.00 25 1,608.54 ILEL 425.26 I.608.54 55,483.46

No.	Subproject Name	Cost 1934	Total Cost to 6-30-34	Cost M & I 1934	Total Cost M & I to 6-30-34	Cost Con. 1934	Total Cost Construction to 6-30-34
57B	Nizina-Chitina River	836.20	8,630.79	836.20	1,792.21		6,838.58
57C	McCarthy-Kennecott River	33.80	561.20	33.80	561.20	۰	-
57D	Chititu Branch	537.78	8,796.53	537.78	2,568.05		6,228,48
57E	McCarthy-Green Butte		2,319.68		2,319.68		<u></u>
57F	McCarthy Aviation Field	1,548.65	4,473.76		344.23	1,548.65	4,129.53
57G	Copper Creek Trail	67.61	369.59	67.61	67.61		3ŏ1.98
-57H	Chitina River Aviation Field	•••••	735.00				735.00
58*.,	Hyder-Salmon River		63.50				63.50
59	Fairbanks Bridge	37•55	74,133.56	37.55	12,434.26		61,699.30
59A	Fairbanks Depot	531.88	30,715.83	531.88	7,705.83		23,010,00
: 60A	Valdez Aviation Field	3,500.00	6,058.24		206.59	3,500.00	5,851.65
60B	Upper Tonsina Aviation Field .	······································	1,747.47	·	47.50		1,699.97
61	Strelna-Kuskulna	2 1 1 1	17,106.28		4,569.73	<u></u>	12,536.55
614	Kotsina Trail		16,095.29		1,523.74	<u> </u>	14,571.55
61B	Nugget Creek Extension	· · · · · · · · · · · · · · · · · · ·	1,630.00		1,630.00	·	
610*	* Elliot-Kotsina		6,858.42				6,858,42
61E	Farnan Trail		941.96		15,80		926.16
61F	Bremner Trail	10,073.46	-17,475.97	18 - 19 - 19 - 19 - 19 - 19 - 19 - 19 -	46.73	10,073.46	-17,429,24
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			Total Cost		Total Cost	<u> </u>	Total Cost
No.	Sub-project Name	Cost 1934	to 6-30-34	Cost M & I 193 ¹ 4	M & I to 6-30-34	Cost Con. 1934	Construction to 6-30-34
61G	Brenner Aviation Field	679.09	1,179.09			679.09	1,179.09
62	Dime Creek	959.81	80,715,94	959.81	37,012.98	i i i i i i i i i i i i i i i i i i i	43,702.96
624	Haycock-Bear Creek		771.24		555+24		216.00
62B	Haycock Aviation Field		2,115.40				2,115.40
620	Kayuk Aviation Field		312.98		285.90		27.08
63	Dunpar-Brooks	490.45	32,754,23	490,45	13,524.64	<u></u>	19,229.59
63в	Brooks-Livengood Creek	455.92	34,228.73	455.92.	14,163.87		20,064.86
63BA	Amy Creek Branch		2,368.45		300.00		2,068.45
63C**	Brooks Tram		63,455.39		45,144.09		18,311.30
63D	Brooks Aviation Field Road	-	713.00	· · · · · · · · · · · · · · · · · · ·			713.00
63E	Livengood Aviation Field	2,217.52	4,996.39	· .	624.87	2,217.52	4,371.52
64**	Cripple-Lewis Landing		100.00		100.00		
64A	Cripple-Cripple Mountain	149.52	1,130,45	149.52	838.45		292.00
6444	Cripple-Cripple Mountain(Winter)	860.03		248.98		611.05
65a	Gulkana-Chistochina	29,455.43	385,388.13	7,255.43	95,324.63	22,200.00	290,063.50
65B	Chistochina-Slate Creek	708.82	8,879.32	708.82	1,355.91		7,523.41
650	Chistochina-Slana	6,964.58	149,769.07	3,564.58	17,192.76	3,400.00	132,576.31
650	Kochumstuk-Tanana Crossing		1,669.82		1.669.82		

Cost 1934 Name

Sub-project,

Cost M & L 1934

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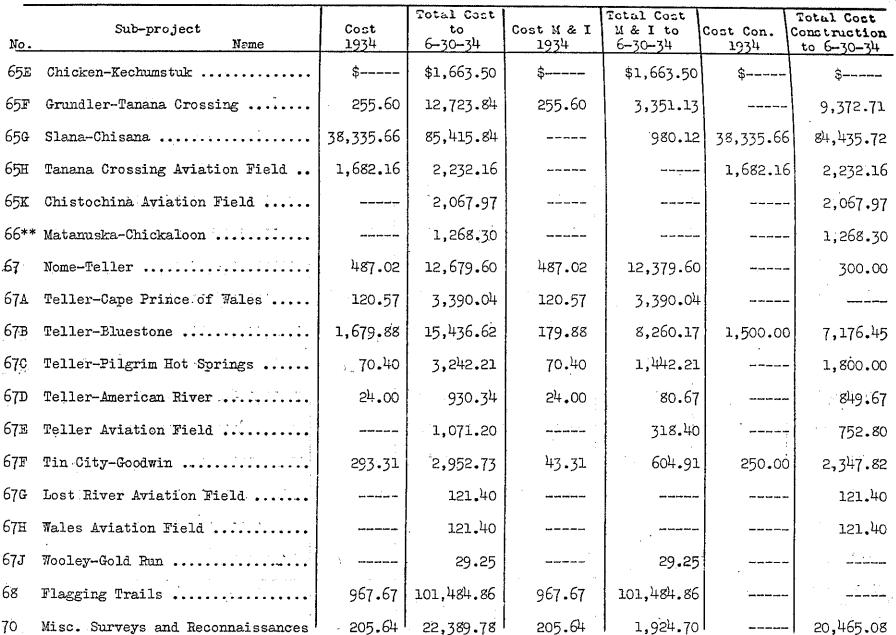
Total Cost to 6-30-34

Total Cost M & I to 6-30-34 Cost Con. 1934

Total Cost Construction to 6-30-34

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·			Total Cost		Total Cost		Total Cost
No.	Sub-project Name	.Cost 1934	to 63034	Cost M & I 1934	M & I to 6-30-34	Cost Con.	Construction
·····	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		······································			1934	to 6-30-34
72*	Wrangell Oil Dock	\$	\$4,964.97	\$	\$	\$	\$4,964.97
724*	Wrangell Cemetery Road		8,639.22		2,350.00		6,289.22
73	Marshall Road	475-57	24,045.50	475-57	8,566.45		15,479.05
73▲	Kotlik-Marshall	• 53•33	4,173.96	53.33	3,323.96		850.00
73B	Stuyahok	··· ····	1,660.00	,: 			1,660.00
730	Old Hamilton-Scammon Bay	2.37	2,754.53	2.37	901.08		1,853,45
73D	Marshall Aviation Field	600 600 500 500	2,100.00	···· ··· ···	100.00		2,000.00
73E	Paimute-Marshall	143.10	243.10		100.00	143.10	143.10
75:	Anchorage Loop	3,463.65	129,037.69	3,463.65	72,033.90		57,003.79
75▲	Anchorage-Lake Spenard	650.34	23,588.38	650.34	13,578.15		10,010.23
750	Chester Creek Boat Landing	217.00	1,693.18	217.00	- 910.76		782.42
75D	Anchorage Depot	2,040.47	9,597.00	2,040.47	5,630.65		3,966.35
75E	McDonald Road	18.65	2,980.96	18.65	1,875.83		1,105.13
75F	Spenard-Campbell Creek	1,948.16	1,948.16			1,948.16	1,948.16
75G**	*East 1st Street, Anchorage		1,023.46	· · · · · · · · · · · · · · · · · · ·			1,023.46
75 ^H	Lake Spenard Aviation Field		277.45			· 	277.45
751	Oilwell Road	333.91	7,922.06	333.91	3,332.07		4,589.99
753	Anchorage Airport		J. 768.20		154.20	/	11,624,00

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No.	Sub-project Name	Cost 1934	Total Cost to 6-30-34	Cost M & I . 1934	Total Cost M & I to $6-30-3^{1}$	Cost Con. 1934	Total Cost Construction to 6-30-34
751	Anchorage Loop-Matanuska River	\$95,106.55	\$97,632.01	\$	\$	\$95,106.55	\$97,632.01
75M	Anchorage-Radio Road		475.09		27.00		448.09
76	Cantwell-Valdez Creek	30,959.17	41,753.12	3,459,17	6,412.92	27,500.00	35,340.20
76A	Valdez Creek Aviation Field	· · ·	1,337.10	· · ·			1,337.10
78	Valdez Depot	· · · · · · · · · · · · · · · · · · ·	5,266.56		5,266.56		
79.	Seward Depot		4,222.55	· · · · · · · · · · · · · · · · · · ·	4,222.55	:	
£04	McGrath-Takotna		368.05	· · · · · · · · · · · · · · · · · · ·	368.05		
8044	McGrath-Takotna (Winter)	523.36	5,613.18	523 . 36 ·	3,431.18		2,182.00
80B	McGrath-Telida	102.81	12,479.40	102.81	5,301,19	· · · · · · · · · · · · · · · · · · ·	7,178.21
800	McGrath-Candle Creek		305,29		305.29		
SOD	Nixon Fork-Nixon Mine		2,384.78		. 36.78		2,348.00
SOE	Takotna-Twin Peaks		213.16	· · · · ·	100.00		113.16
SOF	Medfra-Nixon Mine	10,358.29	18,040.90	358.29	6,240.90	10,000.00	11,800.00
80G	Takotna-Nixon Fork		610.56		610.56		
80GG	Takotna-Nixon Fork (Winter).		183.16		183.16		
SOH	McGrath Aviation Field	3,256.13	17,666.06	256.13	319-63	3,000.00	17,346.43
80J	Medfra Aviation Field		345.00		60.00		285.00
81	Point Gustavus Roads	18,116.83	32,226.86 39	2,016.83	6,136.72	16,100.00	26,090.14

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No.	Sub-project Name	Cost 1934	Total Cost to 6-30-34	Cost M & I 1934	Total Cost M & I to 6-30-34	Cost Con. 1934	Total Cost Construction to 6-30-34
81A	Rink River	\$	\$1,550.00	\$	\$	\$	\$1,550.00
82*	Taku River		20.208.95				20,208.95
8 ⁾ 4	Fairbanks-Council Survey		41,528.75		·		41,528.75
86	Fourth of July Creek	66.87	4,818.13	66.87	3,656.90		1,161.23
87	Woodchopper Creek	·	1,205.47		1,143.47	: 	62.00
88	Ferry-Eva Creek	1,835.67	37,622.41	• 1,835.67	19,262,52	· · · · · · · · · · · · · · · · · · ·	18,359.89
-89	Kougarok Reconnaissance		4,312.11				4,312.11
894	Seward Peninsula Railroad	60,967.40	270,902.24	9,467.40	154,862.32	51,500.00	116,039.92
89B	Pilgrim Aviation Field		1,126.40		410,40		716.00
890	Iron Creek-American Creek	458.32	3,279.14	58.32	1,124.22	400.00	2,154.92
90▲	Shelter Cabins, 1st Division .		340.35			· · · · · · · · · · · · · · · · · · ·	340.35
<u>9</u> 0B	Shelter Cabins, 2nd Division .	906.73	40,104.69	906.73	8,193.39		31,911.30
900	Shelter Cabins, 3rd Division .		24,720.02		2,328,90		22,391.12
90D	Shelter Cabins, 4th Division .	106.27	42,555.60	106.27	5,601.42		36,954.18
91*	Yakutat		50.55			·	50.55
92A	Bethel-Quinhagak	1,079.99	4,211.87	1,079.99	2,414.37	· · · · · · · · · · · · · · · · · · ·	1,797.50
92B	Bethel-Tuluksak	400.35	4,870.70	400.35	3,392.22		1,478.48
920	Akiak-Russian Mission	2,142.70	3.877-45	2.142.70	2,293.45	/	1,584.00

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Total Cost

Total Cost Con Construction

Total Cost Total Cost Total Cost Sub-project toCost M & I M&I to Cost Cost Con. Construction 6-30-34 No. Name 1934 1934 6-30-34 1934 to 6-30-34 92D Bennett's Cutoff \$396.00 \$396.00 \$-----\$----\$-----\$----31,815.25 92E Yukon-Kushokwim Portage 4,228.89 4,228.89 5,299.27 26,515.98 :4,682.73 2,264.96 2,417.77 Quinhagak-Goodnews Bay 1,819.46 1,819,46 92F 3,342.28 Goodnews-Togiak 913.71 913:71 1,138.95 2,203,332 92G 8,492.98 4,300.82 4,192.16 Togiak-Nushagak _____ 92H ____ 2,632.34 Lewis Point-Naknek 4,171.66 1,539.32 92I _____ 2,982.84 877.84 2,105.00 Naknek-Egegik 92J 1,168.50 818.50 350.00 Egegik-Kanatak 92K ____ 95.46 95.46 820,00 Crooked Creek-Aniak 2,117.20 1,297.20 92L Aniak-Tuluksak 704.08 5,518.08 704.08 3,003.12 2,514.96 92M Akiak-Canyon Creek 306.00 306.00 92N ____ _._._ Tuluksak-Foothills <u>920</u> 258,40 1,730.34 258.40 545.22 1,185,12 Holy Cross-Kaltshak 1,600.39 167.62 167.62 1,100.39 500.00 92P Upper Landing-Bear Creek 2,656.72 11,975.74 5,219.02 2,656.72 6,756.72 92Q 92R Dillingham-Snag Point 9,152.63 25,605.96 35-75 9,152,63 25,570.21 Bethel-Nunichak 968.62 968.62 968,62 968.62 92S 9,034.36 6,956.44 2,077.92 93 Chulitna Trail 57.80 57.80 4,669.48 1,087.16 93A Bull River Trail 3,582.32

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925 Bethel-Tuluksak

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No.	Sub-project Name	Cost 1934	Total Cost to 6-30-34	Cost M & I 1934	Total Cost M & I to 6-30-34	Cost Con. 1934	Total Cost Construction to 6-30-34
93B	Indian River	\$191.27	\$8,755.5 ⁴	\$191.27	\$2,189.31	\$	\$6,566.23
930	Curry Aviation Field		4,221.05		8 ¹⁴¹⁴ .45	40% 60% 60% and and	3,376.60
93D	Chulitna Tram		523.71		3.34		520.37
93E	Hidden River Tram		145.20		9.28		135.92
9 ⁴	Kokiak-Abberts	.24,431.25	88,648.40	2,431.25	19,839.89	22,000.00	68,808.51
9 ⁴ A	Kalsin Bay Trail	55.00	55.00	55.00	55.00		
95	Kenatak-Becharof Lake		30,276.74	·	6,394.43	·	23,882.31
95B	Larsen Bay-Karluk River		962.05				962.05
96	Chickalcon-King River		1,906.68		1,106.68		800.00
96A	Chickaloon Cable		486.44		214.15	· · · · · · · · · · · ·	272.29
96B	Chickaloon-Nelchina	262.75	. 8,771.15	262.75	1,270.78	·	7,500.37
97	Suntrana Footbridge		413.80				413.80
97A	Healy Aviation Field	150.00	641.79	150.00	150.00		491.79
98	Homer Spit	10,832.55	48,767.10	832.55	5,897.35	10,000.00	42,869.75
98A	Nuka Bay	· · · · · · · · · · · · · · · · · · ·	5.757.75		2,106.77		3,650.98
98B	Ninilchik Aviation Field		384.18		· · · · · · · · · · · · · · · · · · ·		384.18
98BA	Ninilchik Aviation Field Road	4,359.08	4,359.08		·	4,359.08	4,359.08
980	Kasilof Aviation Field		674.52				674.52

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ALC: NO.

98BA Ninilchik Aviation Field Road

Kesilof Aviation Field

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No.	Sub-project Name	Cost 1934	Total Cost to 6-30-34	Cost M & I 1934	Total Cost M & I to 6-30-34	Cost Con. 1934	Total Cost Construction- to 6-30-34
98D	Kasilof Road	\$1,085.28	\$19,619.13	\$1,085.28	\$2,472.78		\$17,146.3
99	Seldovia-McDonald Spit	24,248,33	24,248.33	anda kurit dutt anna dana		24,248.33	3 24,248.3
100	Office and General Overhead	27,366.80	641,882.85	9,916.50	344,754.71	17,450.30	297,128.
101	Territorial General Overhead		71,521.31		31,584.89		- 39,936,1
	TOTAL COSTS	\$1,269,497.76	\$20,910,462.11(a)	\$463,854.65	\$9,675,995.31	\$805,643.1	1 \$11,234,466.
110	Book Value of Plant	111,911.50	184,040.03				
111	Supplies and Materials on hand	51,472.22	278,521.36				
	TOTAL EXPENDITURES	\$1,432,881.48(b)	\$21,373.023.50				-

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- * Transferred to other departments.
- ** Abandoned.
- (a) Includes \$932,280.46 of supervised funds.
- (b) Includes \$1,023.80 General Accounting Office settlements. Does not include \$6,900.66 reimbursements and receipts from sales.

COSTS IN DETAIL, TERRITORIAL AND COOPERATIVE PROJECTS

(Included in preceding table)

FIRST DIVISION

Ac- count No.	Name of sub-project	Federal	Territorial	Total
SH	Juneau Wharf	\$298,99	\$78.09(1)	\$377.08
2J	Juneau Float	-	34.69(1)	34.69
3AB	Haines-Pleasant Camp	27,213.96	837.58	28,051,54
3D	Haines-Mud Bay	443.29	40.00	485,29
3E	Haines-Chilkoot	813.07	200.00	1,013.07
14	Sitka-Indian River	590,59	35.00	625,59
14A	Sitka National Monument	593,50(2)		593,50
140	Sitka-Pioneer Cemetary Road	, . 	46.80	46,80
14D	National Cemetery Road	95.25	20.00	115,25
44A	Skagway Trails	618.97	35.00	653,97
44B	Skagway Aviation Field	. 	185.62	185,62
81	Point Gustavus Roads	18,016.83	100.00	<u>18,116.85</u>
	Totals	\$48,684.45	\$1,612.78	\$50,297.23

(1) Contributed by U. S. Forest Service, U. S. Bureau of Fisheries and . Alaska Game Commission.

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(2) Allotted by National Park Service.

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SECOND DIVISION

Ac- count	Name of sub-project	Federal	Territorial	Total
No.				
8	Nome-Council	\$8,373 <u>,</u> 98	\$2,664,48(1)	\$11,038,46
8D	Council-Ophir Creek	729,31	160.00	889.31
8H	Casa de Paga	891,16	220.00	1,111,16
13A	Nome-Bessie	290.58	75.00	365,58
13B	Bessie-Snake River	12,376,55	1,200,00	13,576.55
13C	Bessie-Sunset Creek	9,578.52	1,450.00(2)	11,028,52
13F	Nome-Osborne	578,79	192.00(3)	770 _• 79
15K	Bessie-Buster	432,87	105,00	537,87
18	Kaltag-Nome	2,154,47	530.00	2,684.47
18A	Bonanza-Kotzebue	200,90	50 ,00 ···	250.90
18B	Golovin-Council	41.21	10.00	51,21
18J	Spruce Creek	383,89	95,00	478,89
21	Unalakleet-St. Michael	16,00	4.00	20.00
25D	Mouth of Center Creek	288,43	70.00	358.43
25DA	Little Creek Branch	59,31	14.00	73,31
253	Submarine Paystreak	78.44	20,00	98.44
25K	Nome City Dock		84.82(4)	84,82
25L	Nome Aviation Field	8,783.13		8,783,13
25 _N	Nome City Streets		220.45(4)	220,45
26	Candle-Candle Creek	1,748.41	430.00	2,178.41
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(1) Includes \$250.48 contributed by City of Nome, \$40.00 by G. R. Jackson and \$26.00 by Alaska Sunset Mines. (2) Includes \$250.00 contributed by Monument Creek Mining Co.

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(3) Includes \$42.00 contributed by Dry Creek Dredging Co.

(4) Contributed by the City of Nome.

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SECOND DIVISION (continued)

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count No.

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(5) In

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No.

N N O P ST H M

Ac→ count	Name of sub-project	Federal	Territorial	Total
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26B	Bear Creek Trail	\$75,16	\$19.00	\$94.16
260	Candle-Kiwalik	17.19	r⊈4, 5.00 1000	22.19
27	Deering-Inmachuk	2,472,95	620.00 again	3,092.95
28A	Nome-Serpentine Hot Springs	. 316.81 -	80₊00 –,∞**•	396,81
37A	Bluff-White Mountain	.44	i di .10 1000 -	•54
41A	Kotzebue-Shungnak	206.45	52,00	258.45
41.AA	Kiana-Selawik-Shungnak	655,44	160.00	815,44
41B	Kotzebue-Pt. Barrow	13.85	4,00	17,85
410	Kiwalik-Noorvik	1.49	.40	1.89
41F	Kotzebue-Noatak	26.00	6,00	32,00
42	St. Michael-Kotlik	65,79	19.00	84.79
49	Davidson's Landing-Taylor	2,471.33	615.00	3,086.33
62	Dime Creek	769,81	190.00	959.81
67	Nome-Teller	391,02	96.00	487.02
67A	Teller-Cape Prince of Wales	95.57	25.00,	120.57
67B	Teller-Bluestone	1,344.88	335,00	1,679,88
670	Teller-Pilgrim Hot Springs	56.40	14.00	-70,40
67D	Teller-American River	19,00	5 <u>.</u> 00	24,00
67F	Tin City-Goodwin	233.31	60.00	293,31
68	Flagging Trails	. 772.67	195.00	967,67
73	Marshall Road	385,57	90.00	475.57
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Ac- count No.	Name of sub-project		Federal	Territorial	Total
73.1	Kotlik-Marshall	• •	:\$43,33	\$10,00	\$53 , 33
730	Old Hamilton-Scammon Bay	• •	1,87	•50	2.37
73E	Paimute-Marshall	•••	115.10	28.00	143.10
89A	Seward Peninsula Railroad	. i	59,967,40	1,000.00(5)	60,967.40
890	Iron Creek-American Creek	• • •	368.32	90,00	458.32
90B	Shelter Cabins, 2nd Division	••		906,73	906.73
	Totals	≠ •	\$117,893.10	\$12,220.48	\$130,113.58

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(5) Includes \$850.00 contributed by Nome Harbor Lighterage Co. and \$150.00 by Lomen Commercial Co.

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Ac-		 	· ·	
count No.	Name of sub-project	Federal	Territorial	Total
6E	Chitina-Native School	\$	\$11,75	\$11.75
35B	00,213 (35,364) Palmer-Fishhook	388.02	40.00	428,02
	Palmer-Matanuska River	284,22	30,00	314.2
1	Gold Chord Branch	198.65	21,00	219.65
35DB	Lucky Shot-Willow Station	20,305.32	2,973.25	23,278.57
	PalmerpSpringer	50 . 95	80,00	130.95
35H	Wasilla-Palmer	312.63	34.00	346.63
35J	Wasilla-Matamuska	828.39	90.00	918.3
35K	Matanuska Trunk Road	424.98	45.00	469,98
35L	Palmer-Matanuska	293,64	560,00	<u>∾ 64</u>
35 <u>0</u>	Fishhook-Goldmint	131.15	15.00	146.15
35R	Bogard Road	91.44	180,00	271,44
46D	McKinley Park Road	59,911.41	2,307.50(1)	62,218.91
57	McCarthy-Dan Creek	9,190.11	1,000,00	10,190.11
57D	Chititu Branch	487.78	50,00	537.78
61 F	Bremner Trail	9,973,46	100.00	10,073,46
75	Anchorage Loop	3,123.65	340.00	3,463.65
75A	Anchorage-Lake Spenard	585.34	65.00	650.34
750	Chester Creek Boat Landing	197.00	20.00	217.00
75E	McDonald Branch	16.65	2.00	18.65
751	Oilwell Road	300,91	33,00	333,91
94]	Kodiak Roads	23,931.25	500.00	24,431.25
98	Homer Spit	10,632,55	200.00	10,832,55
98D I	Kasilof Road	975,28	110.00	1,085.28
	Totals	\$142,634.78	\$8,807.50	\$151,442.22

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Ac- count Ko.	Name of sub-project	Federal	Territorial	Total
50	Fish Lake-American Creek	\$	\$665,04	\$665.04
7AA	Cleary Creek		. 137.97	137.97
7B	Fox-Olnes	431.31	at 75.00	506,31
70	Summit-Fairbanks Creek	<u>_</u>	1,534.13(1)	1,534.13
7CA	Summit-Fish Creek		n 84 697.25 _ ≁√11	697,25
?D	Ester Creek	. 6,951.61	,1,847.82(2)	8,799.43
7.DA	College Spur	, , , , , , , , , ,	13.44	13,44
7DB	Ester-Dome	موجوعا جد جدا دی بر مار مار می اور می	287.35	287,35
· 7DC	St. Patricks-Happy		180.00	1,211.06
7 H	Little Eldorado		40 ,00	273.44
7J	Fairbanks-Chena Hot Springs	249.98	45. 00	294.98
7JA	Chena River Branch	122.48	.25.00	147,48
7N	Farmers-Birch Hill	5,401.87	1,894.28	7,296,15
7T	Farmers-Chena Slough	1	138.00	138,00
15A	Central House-Circle Hot Springs.	978.60	275.10(3)	1,253.70
15E	Killer House-Harrison Creek	3,308.36	550.00	3,858.36
S 5	Hot Springs-Sullivan Creek	337.36	55,00	392,36
30	Hot Springs Landing-Eureka	5,897.70	500.00	6,397,70
32B	Iditarod-Flat	2,453.97	420.00	2,873,97
33F	Plat-Slate Creek	8,922.70	1,000.00(4)	9,922.70
38D	Ophir-Takotná	5,700.02	930.00	6,630.02
(1) Ir (2)	cludes \$78.68 contributed by others.		Ŧ	1

FOURTH: DIVISION

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(2) Includes \$567.82 miscellaneous contributions by others.
(3) Includes \$95.10 contributed by F. M. Leach.
(4) Contain a second second

(4) Contributed by Mine Operators on Slate Creek.

Ac-	1	<u> </u>						
count No.		Name of	sub-project		Federal	Territorial	To)ta]
38DA	Littl	e Creek Road			\$	\$254.23	ic \$25	54,
38H	Ganes	Creek Road	* *****	• •	.,	871.07	io- 87	71,(
46F	Nenan	a Cemetery Ro	ad		172.97	30.00 mill	⇒ ÷ 20)2.
63	Dunba	r-Brooks			420.45	20 ec: 70.00 /0-03	sai 49	90,
63B	Brook	s-Livengood C	reek			455.92	<u>var 4</u> 5	55,
70 🖓	Surve	ys and Recomm	aissances	• •	. ما مع مد من	151.72(5)	a: 18	51,
90D .	Shelt	er Cabins	 	••		93,27	cs - g	93.
97 <u>A</u>	Healy	Aviation Fie	ld	• • •	به و مدر مدر دس دس	150.00 sam	<u>baa.</u> 18	50
		Totals		• • •	\$42,613.88	\$13,386.59	\$56,00	0.
(5) 0	ontrib	uted by Fairb	anks Chamber	of Co	mmerce.	lika (zili el	an de la contra Tradición de la contra	
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FOURTH DIVISION (continued)

דענטיע אין להגבי המוצע לאו עון היישו. סעצעיים האלדה אל היישועי להגביאה היישו לי**ישועה היישועי היישועעי,** דרי לאור דעצטים בעורנה המעניינטין הענקיים לא**י דרי 19 גובאיעי היישועי.** העניין אינותא אין לנותא היישועים אבן גובאיעי היישועי. דרי אורי היישועי היישועי. אינות אינותא אין לנותא היישועים אבן גובאיעי היישועי.

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SUMMARY BY DIVISIONS, TERRITORIAL AND COOPERATIVE PROJECTS

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	Federal	Territorial	Total
First Division	\$48,684,45	\$1,612,78	\$50,297,23
Second Division	117,893.10	12,220.48	130,113,58
Third Division	142,634.78	8,807.50	151,442,28
Fourth Division	42,613.88	13,386.59	56,000.47
Totals	\$351,826.21	\$36,027.35(1)	\$387,853.56

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(1) Includes \$6,227.35 contributed by others.

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TOTAL COSTS, BY DISTRICTS				
A Later Company 1 Actions				
District ere re de, and def	Construction	Maintenance and Improve- ment	Total	
Juneau Office and General Overhead(a)	\$17,450,30	\$9,916.50	\$27,366,80	
Southeastern	117,508.84	16,197.23	133,706.07	
Eagle	· · · · · · · · · · · · · · · · · · ·	9,333,41	9,333.4	
Valdez	3,500,00	49,517,98	53,017,98	
Chitina	121,175.47	92,805.60	213,981,07	
Fairbanks	146,125.82	149,871.83	295,997.65	
Southwestern	280,136.02	56,573,30	336,709,32	
Kuskokwim	35,438.43	33,799.35	69,237.78	
Nome	84,308.23	45,839.45	130,147.68	
Total Cost	\$805,643.11	\$463,854.65	\$1,269,497.76	
Plant, materials, etc., undistributed		-	163,383.72	
Total expenditure			\$1,432,881.48()	

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(a) Includes part of expenses of Seattle Purchasing Office.

(b) Includes \$1,023.80 General Accounting Office settlements; does not include \$6,900.66 reimbursements, refunds and receipts from sales.

APPROPRIATIONS

Total

\$27,366.0

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truction and maintenance of military and post roads.	
Construct bridges, and trails, Alaska:	
Act of June 12, 1906	\$150,000.00
Act of June 20, 1906	35,000.00(1)
Act of Mar. 2, 1907	250,000.00
Act of May 11, 1908	250,000.00
Act of Mar. 3, 1909	350,000.00
Act of Mar. 23, 1910	100,000.00
Act of Mar. 3, 1911	150,000,00
	125,000.00
Act of Mar. 2, 1913	155,000.00(2)
Act of Apr. 27, 1914	125,000.00
	165,000.00
Act of Aug. 29, 1916	500,000.00
Act of May 2, 1917	500,000.00
Act of July 9, 1918	100,000.00
Act of July 11, 1919	100,000,00
	350,000.00
Act of June 5, 1920 Act of June 30, 1921	425,000.00(3)
Act of June 30, 1922	465,000.00
Act of Mar. 2, 1923	650,600.00(4)
Act of June 7, 1924	725,000.00
Act of Dec. 6, 1924	55,000.00(5)
Act of Feb. 12, 1925	900,000.00
Act of Apr. 15, 1926	900,000,00
	,022,500,00(6)
Act of Mar. 23, 1928	925,000.00(7)
Act of Feb. 28, 1929	800,000.00
Act of May 28, 1930	800,000.00
	800,000.00
Act of July 14, 1932	494,310.00
Act of Feb. 17, 1933	469,300.00(8)
Act of Mar. 2, 1934	452,000,00(9)
	405,000,00(5)
Total	288,710.00
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(1) For Fairbanks-Council survey.	
(2) Includes \$55,000 for Valdez dyke.	
 (2) Includes \$55,000 for Valdez dyke. (3) Includes \$10,000 for Nome-Kiwalik survey. 	
(4) [neinder S600 for minimum Timeon Wherf	or the second
19) Deliciency to cover increase of commensation 1925.	
(6) Includes \$22,500 for Juneau Wharf.	Server and S
(7) Includes \$100.000 for flood control. Lowell Creek	en e
(8) Includes \$3.000 for Juneau Wharf.	
 (7) Includes \$100,000 for flood control, Lowell Creek. (8) Includes \$3,000 for Juneau Wharf. (9) Includes \$100 for Juneau Wharf. 	

Construction and maintenance of wagon roads, bridges	
and trails. "Alaska fund":	
Fiscal years 1905 to 1933 inclusive	\$3,917,167.45
Fiscal year 1934	145,258.95
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	\$4,062,426.40
Increase of compensation, War Department:	
Fiscal years 1918 to 1925 inclusive	95,059,50
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National cemeteries:	a Alan an a
(2)20. Fiscal years 1925 to 1932 inclusive $\dots \dots \dots \dots \dots$	6,704.60
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National Industrial Recovery, Interior, Alaska Road	
Commission, 1933-1935	1,596,000.00
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Roads and trails, National Parks:	
Fiscal years 1925 to 1934 inclusive	782,876.37
Fiscal years 1933-1935 (National Industrial Recovery)	150,000.00
Total=	932,876.37
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National monuments: Fiscal year 1933	500.00
Fiscal year 1938	375.00
TISCAL JOAL LOUT	
Total	875,00_
Barracks and quarters:	
Fiscal year 1932	1,252.50
and the second	
Total Federal Appropriations	19,983,904.37
Contributed Funds.	·
(Act of Congress approved June 30, 1921, Alaska Specia	l Fund.)
By the Territory: (For list of Acts see Annual Report 1932	
Public roads, bridges, trails, and ferries:	, pages or oest
Fiscal years 1920 to 1932 inclusive	\$1,449,908,58
Fiscal year 1934	28,800.00
Shelter cabins Fiscal years 1922 to 1932	98,595.50
Fiscal year 1934	1,000.00

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Nizina bridge Fiscal years 1922 to 1923 \$25, Telephone lines, Seward Peninsula Fiscal years 1926 to 1931 13, \$25,000.00 13,073.20 • • • Pioneer Cemetery road Fiscal year 1927 3,341.02 Flood Control, Lowell Creek Fiscal year 1929 10,000.00 Yukon-Kuskokwim Portage Fiscal year 1930 7,500.00 Valdez Dyke Fiscal year 1932 10,000.00 io Telephones Fiscal year 1932 Radio Telephones 6,477.34 By others:

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Fiscal years 1922 to 1933 ,	153,566.76
Fiscal year 1934:	
Mine Operators Slate Creek District	\$1,000.00
City of Nome	555,75
Monument Creek Mining Co	250,00
F. M. Leach	95,10
F. M. Leach Dry Creek Dredging Co	42.00
Lomen Commercial Co	150,00
Nome Harbor Lighterage Co	850.00
G. R. Jackson	40.00
Alaska Sunset Mines	26,00
W. E. H. Cremer	8.75
Hi Yu Mining Co	70,25
Cleary Hill Mining Co	8,43
Al Hightower	2.81
Fred Robinson	14.05
E. N. Patty	11.24
Carl Carlson	17.50
Quigley Mines	2,307.50

6,075.63 L. C. O. S. Total others 159,642.39 C S. Sec. . 1,813,338.03 and 1248 10 Million and Meant Llowell, Jordan David Total Supervised Funds (see Annual Report of Land 13 $\sqrt{2}$ 1932, pages 64-66) 2,840,147.35 and 1982, to 2000 and the state of mendoday and and a contract of the second second second e de Tradel d' sessister 19 udal paas 2000 CARLER STATE Stern Leve Brand Yandarati leta n nan Tanàna amin'ny fisiana amin'ny fisiana amin'ny fisiana amin'ny fisiana amin'ny fisiana amin'ny fisiana amin'ny Mai es Buil etcar i de la compañía de ser de ser en entre de ser entre de se and a second Bit second se a a ben a construction of the second s ا المراجع المراجع المراجع المراجع . المراجع and the second and the second s 0.2.3 · . . . الا المراجع المراجع (مراجع المراجع). 1946 - ماريخ المراجع (مراجع المراجع الم . الا التي المحلوط والتي المنظمين. المحلف المحلوط المن المحلف المريد المحلف المحلف والمحلوط والمحلف . - 10 1.C and the second States and the second second · . . . in the second والمحادث وأرار

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