1925 PART I

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BOARD OF ROAD COMMISSIONERS FOR ALASKA

BOARD OF BOAD COMMISSIONERS FOR ALASKA

2. A somewhat similar situation arose some time ago at the Lake of the Woods. In this case the matter was first referred to the International Joint Commission, which after survey, published its report and recommendations in 1917. Subsequently the United States and the Dominion of Canada cach selected an engineer, the two to consider the report and recommendations of the International Joint Commission, with a view to formulating an agreement based thereon and presenting it to their respective Governments.

3. In 1921 the Department of State requested that an officer be selected from the Corps of Engineers qualified to discuss matters of interest to both the State and the War Departments concerning the revision of the boundary waters treaty of 1909 between the United States and Great Britain. 4. These duties were under Maj. G. R. Young, Corps of Engi-

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5. Various hearings, discussions, and negotiations relating to those matters were conducted by that officer and were in progress at the end of the fiscal year. The product is the state in the state of the s

1. A GAR ALL MARKER STOR BOARD OF BOAD COMMISSIONERS FOR ALASKA

OFFICERS OF THE BOARD 1. 18 A. 19

President: Maj. James G. Steese, Corps of Engineers, United โดยขึ้น และ และสูงนี้มากการขึ้นได้ส่วน States Army, retired. A children in an

Engineer officer: Maj. James G. Steese to August 4, 1924, and Maj. Lunsford E. Oliver, Corps of Engineers, United States Army, from August 5, 1924 to date the main of the energy and all all and

Secretary and disbursing officer: First Lieut. Pierre A. Agnew, Corps of Engineers, United States Army, to January 31, 1925, and Second Lieut. Harry E. Fisher, Corps of Engineers, United States Army, February 1, 1925 to date.

Military-assistant, under the immediate orders of the president of the board: Maj. Lunsford E. Oliver to August 4, 1924; Second Lieut. Harry E. Fisher, from October 22, 1924, to January 31, 1925; and First Lieut. Pierre A. Agnew, from February 1, 1925 to June 20, 1925. 任何, 1947年代书理师师学和法律任任, 2014年代书中学校中学校中学校

Organization and duties.- The act of Congress approved January 27, 1905, "To provide for the construction and maintenance of roads in the District of Alaska, and for other purposes" (33 Stats: 616), as amended by act of May 14, 1906 (34 Stats: 192), prescribes in section 2 as follows:

That there shall be a board of road commissioners in said district to be composed of an Engineer officer of the United States Army to be detailed and appointed by the Secretary of War, and to other officers of that part of the Army stationed in said district and to be designated by the Secretary of War. The said Engineer officer shall, during the term of his said detail and appointment, abide in said district. The said board shall have the power, and it shall be their duty, upon their own motion or upon petition, to locate, lay out, construct, and maintain wagon roads and pack trails from any point on the navigable waters of said district to any town, mining or other industrial camp or settlement, or between any such town, camps, or settlements therein, if in their judgment such roads or trails are needed and will be of permanent value for the development of the district, but no such road or trail shall be constructed to s still on the s

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any town, camp, or settlement which is wholly transitory or of no substantial value or importance for mining, trade, agriculture, or manufacturing purposes.

The Engineer officer of the board shall in all cases supervise the work of construction and see that the same is properly performed.

It shall be the duty of said board, as far as practicable, to keep in proper repair all roads and trails constructed under their supervision, and the same rules as to the manner in which the work of repair shall be done, whether by contract or otherwise, shall govern as in the case of the original construction of the road or trail.

The board was organized May 15, 1905. War Department orders of February 15, 1913, relative to the work of the board, prescribe that the senior officer on duty; designated as president, shall have general charge of the operations, that the Engineer officer shall supervise the work of construction in the field as provided by law, and that the third officer shall act as disbursing officer of the board.

From its organization until December 29, 1917, the board reported direct to the War Department through The Adjutant General. On that date orders were issued by the Secretary of War placing the work under the general supervision of the Chief Engineers.

A retired officer of the Corps of Engineers has been appointed president of the board under authority of the following provision in the act of Congress approved March 3, 1911 (36 Stat. 1052):

He was subsequently appointed engineer officer under authority of the following provision in the act of Congress approved June 15, 1917 (40 Stat. 231): and the following following the second second

Provided, That when retired officers of the Army any portion of whose active service was in the Corps of Engineers, are called back into active service they shall be eligible to fill any position required by law to be filled by an officer of the Corps of Engineers.

Offices of the board.—The principal office of the board is at Juneau, Alaska. Suboffices are maintained, when required by active operations, at Valdez, Chitina, Fairbanks, Eagle, Nenana, Anchorage, Seward, Takotna, and Nome, Alaska; Seattle, Wash.; and Washington, D. C.

Location and description.—The work thus far accomplished includes the construction of 1,4721/1 miles of wagon road, 1,0863/4 miles of sled road, 6,465 miles of permanent trail, and 712 miles of temporary flagged trail, a total of 9,736 miles.

The Territory has an area of 590,880 square miles, which is more than twelve times the size of the State of New York, or practically one-fifth the size of the United States proper. At its southern point it is 700 miles from the northwest point of the State of Washington by the usually traveled route. Thence, the southeastern Alaska Archipelago and a strip of mainland lying west of the Canadian boundary extend northwesterly for about 520 miles to the major portion of the Territory, which lies west of the one hundred and forty-first meridian, and has a dimension of approximately 900 miles north and south and 700 miles each and west, with the Alaska Peninsula and Aleutian Islands reaching out from the southwestern The topography of Alaska varies from rolling to extremely rugged, with little level area. The seaward slope, as far west as Cook Inlet, is especially rugged and subject to a heavy rain and snow fall.

The timber along the coast attains a dense growth, but in the interior is only found along the stream valleys. Spruce and hemlock form the greatest part of the timber on the coast. Hemlock is not found in the interior.

On the north slope of the Alaska range and on interior river valleys considerable areas are found frozen permanently to bedrock. The climate and topography throughout are such that in the summer time passage overland is difficult. On the scaward slope the heavy rainfall upon the blanket of decayed vegetation creates a footing almost impassable. In the interior the surface thawing of the bed of frozen gravel makes a widespread and difficult morass.

Original condition.—Prior to the organization of the Board of Road Commissioners for Alaska there were in the whole of the Territory less than a dozen miles of what might be called wagon road, with a few hundred miles of pioneer trail, mostly constructed by expeditions under the War Department. Travel was largely confined to the open waterways in summer and to their frozen courses or overland in winter. When mining machinery and other supplies were to be transported from the coast or river landing they were in most cases hauled over the snow during the winter, with some preliminary clearing of the route when necessary. Travel across country in summer, generally speaking, was possible only on foot or with pack horses. It was difficult always, and frequently dangerous, on account of the numerous swift and deep streams, fed by the ice-cold and silt-laden waters of mountain glaciers.

Previous projects.—See description in Annual Report of the Chief of Engineers for 1923, beginning on page 2086.

Existing project.—For. description of development of existing project, see Annual Report of the Chief of Engineers for 1924, beginning page 2069. The proposed annual appropriations and the amounts actually appropriated to date under the 1920 program described in the Annual Report for 1924, are as stated in the table below:

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Fiscal yoar			Amount actually appro- priated
First (1922)	1021 1622 1623 1024 1925	\$055,000 1,200,000 1,500,000 1,600,000	\$425,000 465,000 650,000 780,000
Total for first 5 years.		1,400,000	900,000

The total appropriations for the first five years were less than half the estimates, and about three-fourths of the available funds were required for maintenance and repair. Construction should be speeded up so as to get the maximum benefit from the work already accomplished, and the 1920 program was, therefore, revised in 1924.

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The appropriations recommended for the second five years of the 10-year period are as follows:

(a) For maintenance of existing routes, 0,736 miles, at \$542,000 per	80 710 000
(b) For improvement of existing routes to the same standard	φ2, 110, 000
(c) For completion of projects already undertaken	
(c) For completion of projects already undertaken	1, 735, 000
(d) For completion of projects already approved but not yet under- taken	1, 780, 000
(c) For completion of projects likely to arise with development during the five years	1, 135, 000
Total for five years the second state of a fragment of the	9, 960, 000
Less Alaska fund and Territorial contributions (estimated)	960, 000
Net Federal appropriations	9, 000, 000

1924 PROGRAM

Federal appropriations required each year of Ave-year period of road and trail development

and the second	and the second second			1 an 1977.		
i i i i i i i i i i i i i i i i i i i	(a) ork- ng ason existing routes	(b) Improve- nient, existing routes	(c) Comple- tion, approved projects aiready under way	(d) Construc- tion, ipproved projects not yet under way	(e) Construc- tion, new projects likely to duvelop	, Total
1928 1029 1930	920 \$350,000 927 350,000 928 350,000 920 350,000 930 350,000 1,750,000 1,750,000	\$600, 000 500, 000 500, 000 500, 000 500, 000 2, 600, 000	\$510,000 475,000 400,000 250,000 100,000 1,735,000	\$290,000 575,000 550,000 300,000 85,000	\$100,000 200,000 350,000 485,000 1,135,000	\$1, 750, 000 2, 000, 000 2, 000, 000 1, 750, 600 1, 500, 000 9, 000, 600

1 Exclusive of Alaska fund and territorial contributions for maintenance estimated at \$102,000 per year

The act of Congress approved February 12, 1925, contains the following language:

Hereafter when an appropriation for this purpose for any fiscal year shall not have been made prior to the 1st day of March preceding the beginning of such fiscal year, the Secretary of War may authorize the board of road commissioners to incur obligations for this purpose of not to exceed 75 per centum of the appropriation for this purpose for the fiscal year then current, payment of these obligations to be made from the appropriation for the new fiscal year when it becomes available.

Under this general authority, plans can be made in advance, supplies purchased and shipped in over the snow, and full advantage taken of the very short working season.

The special acts of Congress authorizing and defining the scope of the work and the duties of the board are as follows:

Act approved January 27, 1905 (33 Stat. 616). Act approved May 4, 1906 (34 Stat. 192). Act approved March 3, 1913 (37 Stat. 728). Act approved July 9, 1918 (40 Stat. 843). Act approved June 30, 1921 (42 Stat. 90). Act approved February 12, 1925.

For latest published maps see map following page 54, Part II, of the annual report of the Alaska Road Commission fiscal year 1921, and also a wall map of Alaska published by the board of road comReferences to published articles not previously reported.--"Building Roads to Develop Alaska," the Highway Magazine, December, 1924, pages 13-15, illustrated, by Col. James G. Steese.

Local cooperation.—For description of development of local cooperation, see Annual Report of the Chief of Engineers for 1924, beginning on page 2071.

Under the provisions of section 17 of the Territorial road law of April 21, 1919, Mr. Anton Eide, assistant superintendent of the board for southwestern Alaska, acted as chairman and secretary of the Territorial divisional road commission for the third division. Similarly, Mr. M. C. Edmunds, superintendent of the Alaska Road Commission for the Fairbanks district, acted as chairman and secretary of the fourth divisional road commission. No Territorial road organization has been maintained since March 31, 1921. The mark if Durng the fiscal year the board supervised the expenditure of \$11,806.14 by the chairman of the Territorial road commission for the third division and \$9,000 by the chairman of the Territorial road commission for the fourth division. Hardelle grant and a human with During the fiscal year it has expended directly funds amounting to \$7,335.93 for shelter cabins and \$86,478.45 for roads contributed by the Territory, and \$3,849.77 contributed by others. A divide sent The last item includes \$2,966.65 expended in the construction of a 150-foot municipal wharf for the city of Nome. And the second states of the For the working season of 1925 the Territorial board has allotted to the Department of Agriculture \$16,500 and to the Federal board. the following amounts: subar fill: some banad all vit the subscript

These funds are held subject to the call of the Federal board. The sum of \$2,500 of shelter-cabin fund has been deposited in the United States Treasury to the credit of the board; \$1,660.25 of this, is included in total of shelter-cabin expenditures reported above. The divisional funds are disbursed through local banks, but all vouchers are andited by the Federal board under the same restrictions that apply to Federal vouchers before being certified to the Territorial treasurer for payment, infilted above, the divisional treasurer for payment.

There has been cooperation with the Territory also in connection with the purchase, rehabilitation, and operation of two tramroads, one extending from Nome to Shelton on the Seward Peninsula, a distance of about 87 miles, and the other situated in the Tolovana District about 50 miles northwesterly from Fairbanks and extending from the town of Brooks about 13 miles southerly to the head of navigation on the Tolovana River.

The Nome-Shelton tramroad was purchased on October 3, 1922, for \$24,014. During the fiscal year, \$33,518.12 was spent on its rehabilitation. A statistic direction of the state of the stat

The Tolovana tramroad was purchased on June 11, 1924, for \$6,425. During the fiscal year, \$9,386.30 was spent on its rehabilitation.

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The 1919 Territorial road act released cooperative national forest funds of the Department of Agriculture which had been accumulating for several years. Until July 1, 1920, Maj. William H. Waugh, engineer, United States Army, a former engineer of the Bureau of Public Roads and up to that date a member of the Board of Road Commissioners for Alaska, served also as the representative of the Department of Agriculture in charge of national-forest road construction.

On July 1, 1920, the Department of Agriculture created a separate organization to handle its work and took over a few of the board's projects. The department funds were inadequate to handle all of the projects in the national forests that were under construction under the board.

When greatly increased funds for the national forests became available in 1922 the board offered its services to handle all forestroad construction in accordance with the requirements of the Forest Service, but the Department of Agriculture decided to increase its own organization. Since May 1, 1922, it has assumed responsibility for all former projects of the board within or partly within the national forests. The funds of this board formerly absorbed in these projects are thereby available for use in other parts of the Territory.

Effect of improvement.—The roads and trails constructed by the board have not only opened up to development nearly all sections of the Territory, but have effected large savings in freight charges. Data collected by the board since 1911 indicate that the annual saving in cost of transportation of freight due to the construction of roads by the board is in excess of \$2,000,000. It is doubtful, however, if anything like that amount of freight would have been transported without the roads, and the indirect loss that would have been occasioned by the restriction on output and development if the roads did not exist can not be estimated.

The use of automobiles is increasing rapidly. Approximately 90 per cent of the traffic on the main wagon roads is handled by motor, which has greatly increased the cost of road maintenance. The use of tractors for drawing freight, particularly on the sled roads of the interior, is a valuable new development.

Operations and results during fiscal year.—The work in the last fiscal year was largely directed to extending the general rehabilitation begun in 1920 to trails and roads in remote portions of the Territory. This gradual rehabilitation started on the more important projects and has now reached trails extending to all inhabited parts of the Territory.

The work accomplished during the fiscal year may be summarized as follows: New construction, 46¹/₄ miles wagon road, 45 miles sled road, 188 miles trail, 1,040 linear feet of bridges of over 60-foot span. Improvement, 22 miles wagon road reconstructed, 63 miles wagon road graveled, 45 miles Nome-Shelton tramway opened for traffic; 3 miles Tolovana tram reconstructed, and innumerable small bridges and culverts rebuilt. Maintenance, 982¹/₂ miles wagon road, 52 miles tramway, 702¹/₄ miles sled road, 4,168 miles permanent trail, and 472 miles temporary flagged trail. Total for all classes of work, 6,789 miles, consisting of 1,113³/₄ miles of wagon road, 100 miles of tramway, 7471/1 miles of sled road, 4,356 miles of permanent trail, and 472 miles of temporary flagged trail.

The more important roads upon which new construction was performed were the Haines-Pleasant Camp, McCarthy-Nizina, Chatanika-Circle, Mount McKinley National Park, Talkeetna-Cache Creek, Long-Poorman, and Ophir-Takotna. The extensive bridge program inaugurated the previous year was continued. The more important structures upon which the new construction or extensive repairs were performed included bridges across Big Boulder, above Haines, Nizina, Tazlina, and Gulkana Rivers, Gun Creek in Isabelle Pass, Millers at mile 223, Chena Slough (Fairbanks), Bull River (Colorado), and Iron and Charette Creeks on Nome-Shelton tramway.

The important Richardson Highway, which was reopened in 1921, was maintained open during the entire season. There was an increased tourist travel during the 1924 season. Traffic reports show the following movement over the highway during the calendar year 1924: 2,603 persons, 1,007 motor-driven vehicles, 33 wagons, 60 double bobsleds, 20 pack horses, and 80 tons of freight. During the 1925 season tourist travel began in June, nearly a month earlier than had been possible heretofore.

Construction work progressed unusually well during the 1924. season on account of very dry weather. A late spring in 1925 has delayed work somewhat.

The total expenditures during the fiscal year amounted to \$1,138,-347.64, of which \$728,040.04 was for construction and \$410,307.60 was for maintenance.

Condition at end of fiscal year.—The work of maintenance and rehabilitation has been pushed, and the roads and trails under the jurisdiction of the board are in better shape than ever before. The total mileage of roads and trails constructed or maintained by the board aggregate 9,736 miles, consisting of 1,472¼ miles of wagon road, 1,086¾ miles of sled road, 6,465 miles of permanent trail, and 712 miles of temporary flagged trail. Work was performed upon 6,780 miles of the system during the fiscal year.

The 410-mile Valdez-Chitina-Fairbanks road received special attention. Two more seasons should see this important overland route completed to a uniform standard and given a gravel surface throughout. Over 100 miles of the 160-mile extension from Fairbanks to Circle on the Upper Yukon are now passable for wagons, and the entire route is utilized for winter travel by double bobsled.

The total expenditures to the end of the fiscal year, June 30, 1925, amounted to \$8,911,714.97, not including outstanding liabilities or contributed funds, of which \$5,196,097.56 was expended for new construction and \$3,715,617.41 for maintenance.

Proposed operations.—The 10-year program described under "Existing project" proposed the appropriation of \$1,400,000 for the prosecution of the work for the fiscal year ending June 30, 1926. Only \$900,000 was provided by the act of February 12, 1925. These funds will be expended on rehabilitation of the existing system. Unless much greater annual appropriations are made, little can be done to meet the pressing need for improvements and extensions of the system, especially in providing urgently needed highway and trail fordows to the Government uniford (the Alastic Defined a) 1994 REPORT OF CHIEF OF ENGINEERS, U. S. ARMY, 1925

now completed. For the fiscal year 1925 Congress has provided for a maintenance and operations deficit on the Alaska Railroad of \$1,605,000.

The annual maintenance of the road and trail system after completion, as nearly as can be estimated at this time, will cost about \$550,000.

Amount which can be profitably expended during the fiscal year ending June 30, 1927.—An appropriation, in accordance with the 1924 program, of \$1,750,000, to be distributed approximately as follows, can be profitably expended on the work during the fiscal year ending June 30, 1927:

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Nenana.		116, 550 57, 500	61,000	121,500	70,000	\$50,000	120,000	211, 500	200. 25
Southwestern	633	58,500	65,000	123, 500	50,000	120,000	170,000	293, 500 151, 500	463, 67
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and platinum increased about 10 per cent and copper declined about 20 per cent. Taking into consideration serious fires which occurred in the mills of the copper-producing properties, thus temporarily handicapping their output, also the fact that the average price of copper in 1924 was considerably below the already low average in 1923, a temporary decline in copper production was to be expected.

Quoting from Dr. A. H. Brooks, chief Aluskan geologist of the Geological Survey:

The Alaska gold miner shares with his colleagues in the rest of the world the disability produced by the disrupted economic conditions, which cause very high operation costs, while the value of his produce remains fixed. Were it not for the improvement in transportation furnished by the railroads and wagon roads, that in certain districts have reduced costs, Alaska gold output would have been far less than it has been.

In 1924 Alaska produced about 90,000 tons of coal from 10 mines; as compared with 119,826 tons from 12 mines in 1923. A very large part of the total output came from the Evan Jones mine in the Matanuska field, which produces bituminous coal, and from the mine of the Healy River Coal Corporation in the Nenana field, which produces good lignite. Some development work was done during the year in new coal fields. Beds of bituminous coal were opened 8 miles below Kaltag, along the Yukon River, and also 6 miles above Tanana. Excellent cannel coal in very large quantities was discovered along the upper Healy River and is now being developed. The significant feature of the coal-mining industry for the year is that the Territory is supplying more and more of its own fuel.

In 1924, as in the past, all the petroleum produced in Alaska was obtained from a dozen small wells in the Katalla field, on the only patented tract of oil land in the Territory. These wells and a small refinery are operated by the Chilkat Oil Co., which sells its gasoline and distillate in the local market. Interest in the exploration of promising oil fields in Alaska continues. Drilling in the Cold Bay district was continued on the Pearl Creek dome by the Standard Oil Co. of California. The Associated Oil Co. renewed operations in June, 1924, and continued drilling during the remainder of the year.

Geologic and topographic surveys of naval petroleum reserve No. 4, in northern Alaska, were made during the year. The Geological Survey has not as yet made a study of these surveys and a statement; has not been made regarding the possibility of obtaining oil in that region. The work done, however, confirms the finding of the expedition that visited the coastal region of the reserve in 1923 and reported the occurrence of seeps of oil there.

Canned salmon shipped from Alaska to the United States and Canada totaled 246,130,455 pounds, valued at \$31,415,190, or an increase over 1923 of 13,638,868 pounds and \$900,904 in value. The product of this industry is greater than all other products of Alaska put together, including gold and silver. The value of fish and fish products for 1924, \$39,140,740, constituted over 64 per cent of the shipments from the Territory. Shipments of fresh, smoked, and mild-cured salmon amounted to \$1,943,313, or an increase of \$414,441 over 1923. The relative value of the chief fish products exported in 1924 is as follows: Canned salmon, fresh frozen halibut, cured or preserved herring, cured or preserved salmon, clams, fish oil and

BOARD OF ROAD COMMISSIONERS FOR ALASKA 1997

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INVESTIGATION AND REPORT REQUIRED BY THE ACT OF CONGRESS AP-PROVED MARCH 2, 1923

PORT OF CHIEF OF ENGINEERS, U. S. ARMY, 1925

In compliance with the following provision contained in the act of Congress approved March 2, 1923: "For cost of survey and preparation of plans and estimates for a Government dock at Juneau, Alaska, \$600," the board made a survey of the harbor of Juneau during the summer of 1923, selected a suitable site for a wharf, negotiated for an approach and access to the uplands, and prepared plans and estimates for construction. Its report, dated July 10, 1924, was transmitted to Congress through the Chief of Engineers and the Secretary of War, and printed in House Document No. 561, Sixty-eighth Congress, second session. Recommendation is made for the construction of a wharf 400 feet long and 40 feet wide, at an estimated cost of \$22,500.

Additional duties of the board.—The president of the board is also district engineer for the Juneau, Alaska, river and harbor district. The other two members of the board are placed under the immediate orders of the district engineer, and the secretary and the disbursing officer of the board is disbursing officer for the district,

The president of the board, in addition to his other duties, has Expenditures, \$54,417.89. under the provisions of acts of Congress approved June 17, 1910, and June 15, 1917, been detailed for consultation or to superintend the construction or repair of any aid to navigation authorized by Congress in the Sixteenth (includes Territory of Alaska) Lighthouse District and reported by letter to the Secretary of Commerce. By informal agreement with the Territorial board of road commissioners this board has agreed, under the terms of the Territorial act of April 21, 1919, to permit its assistant superintendent for the southwestern district and its superintendent for the Fairbanks district to be appointed chairman and secretaries of the Third and Fourth Territorial road districts, respectively, to supervise their operations and to certify youchers to the Territorial treasurer for payment, following the same general procedure as for Federal vouchers. Expenditures, \$20,806.14.

Effective November 14, 1921, the president of the board was appointed consulting engineer for the Territory and assumed direct charge of all Territorial public works. In May, 1923, he was appointed director of public works for the Territory. Expenditures,

\$99,008.53: By informal arrangement the president of the board agreed to act for the National Park Service, Department of the Interior, on certain matters relating to the improvement of the Sitka National monument and the development of Mount McKinley National Park. Expenditures, \$80,342.37.

At the request of the Secretary of the Interior, the board made a survey and submitted a special report upon the control of Lowell Creek, Seward, Alaska, to protect Government property in the vicinity from damage due to floods. Expenditures, \$80.75.

At the request of the Quartermaster General of the Army, the board has agreed to assume charge of the administration of the Sitka National Cemetery, created by Executive order of June 12, 1924. Expenditures, \$300.

At the request of the Quartermaster General of the Army, the board submitted a special report upon the water-supply system of Chilkoot Barracks, Alaska, and has assumed charge of the construction of a 1,000,000-gallon concrete reservoir and repairs to the pipe line crossing Chilkat Inlet. Expenditures; \$7,500.

Financial summary

Amount expended on all projects to June 30, 1925.

Amount expended of an projects to Jule 30, 1920, including receipts from sales, etc.: During fiscal years 1905–1924 Fiscal year 1925	\$7, 872, 075. 1, 039, 639.	86 11
Alaska special fund, fiscal year 1925	08, 708.	58 (21:3) (1) (2)
		and the second se
Total for new work. Total for maintenance	4 005.749	RA - State State State 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5
Total expended	ا به می این این این این این این این این این ای	9, 501, 847. 42
Grand total to be accounted for		10, 381, 408. 20
Appropriations to June 30, 1925: Construction and maintenance of military a bridges, and trails, Alaska Wagon roads, bridges, and trails, Alaska fun- increase of compensation, War Department.	nd post road	ls, 6, 625, 600, 00
Receipts from sales, etc., prior to 1921 Funds contributed by Territory of Alaska a public ronds, bridges, trails, and ferries, fund	ind others fo Alaska speci	or (63), (6), (6), (7), (7), (7), (7), (7), (7), (7), (7
 Roads and trails, national parks		1300.00
Refunds to increase of compensation Refunds to contributed funds Refunds to ronds and trails, national parks Refundursement from Navy Department		1,700.61
Sales, refunds, etc., to accrue to Alaska fund.		
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	1000	

Fiscal year onding June 30	1921	1922	1923	1924	1925
Expended for improvement and new work Expended for maintenance	\$432, 243. 00 234, 545. 18	\$236, 251, 01 446, 995, 77	\$314, 105, 30 425, 887, 10	\$400, 360, 53 445, 747, 12	\$728, 040. 04 410, 307. 80
Total expended	666, 780. 08	683, 247. 68	740, 082, 40	°936, 107. 65	/ 1, 188, 347. 64
Appropriated by War Depart- ment acts Allotted from Alaska fund National comptories	350, 000, 00 218, 237, 10	425, 000. 00 173, 029, 19	1, 115, 000, 00 34, 398, 23	725, 600. 00 67, 683. 67	955, 000, 00 168, 518, 01 300, 00
Contributed by Territory of Alaska and others Roads and trails, national parks	113, 746. 61	58, 421. 05	113, 392. 42	110, 865. 35	70,861.57
Increase of compensation, War Department.	910.00	4, 322. 00	28, 857. 72	58, 903. 23	1, 835. 51
Total	682, 023. 71	658, 772, 33	1, 201, 648. 37	963, 112, 25	1, 285, 515. 12

1998 MEPORT OF OTHEF OF ENGINEERS, U. S. ARMY, 1925

Amount appropriated by deficiency act approved Dec. 6, 1924 55,000. Amount appropriated by War Department act approved Feb. 12, 900,000. 1925		
1925 900,000. Amount accrued to Alaska fund during liscal year 1925 900,000. Amount contributed by Territory of Alaska and others 73,851. Informats all appropriations. 14,685. Receipts from sales, etc., during fiscal year 1925 14,685. National cemeteries, 1925 14,685. National cemeteries, 1925 80,000. Total resources \$728,040.04 Maintenance 410,307.60 July 1, 1925, balance unexpended \$718,660.20 July 1, 1925, balance unobligated 250,925. July 1, 1925, balance unobligated 619,634. Amount available from Mar Department act approved Feb. 12, 1925 747,047. Lago 747,047. Amount available from contributed funds on June 30, 1925 1,373. Amount available for fiscal year ending June 30, 1925 1,375.600. Amount available for fiscal year ending June 30, 1925 1,373. Amount available for fiscal year ending June 30, 1925 1,373. Amount (estimated) required to be approprinted for completion of existing projects 800,000. For new work \$50,000.00. For maintenance 950,000.00. For maintenance <td>Amount unpropriated by deficiency act approved Dec. 6, 1924</td> <td>\$749, 252, 05 55, 000, 00</td>	Amount unpropriated by deficiency act approved Dec. 6, 1924	\$749, 252, 05 55, 000, 00
Amount contributed by Territory of Aluska and others1, SGL. 13, 684. Rofunds, all appropriations1, SGL. 14, 684. Increase of compensation, War Department, 1924, SGL. 14, 684. National cemeteries, 1925, 1925, SGL. 300. Noadys and trails, national parks, 1925_26, SGL. 80, 000. Total resources, S728, 040. 03 80, 000. New work, S728, 040. 04 Maintenance, 410, 307. 60 July 1, 1925, balance unexpended, 110, 835. 570, 660. July 1, 1925, balance unobligated, 727, 660. 250, 925. July 1, 1925, balance unobligated, 747, 047. 120, 687. Amount available from Marka fund on June 30, 1925, 747, 047. 120, 867. Amount available from contributed funds on June 30, 1925, 747, 660. 13, 373. Amount available for fuscal year ending June 30, 1925, 747, 647. 120, 867. Amount available for fuscal year ending June 30, 1925, 873, 660. 14, 373. Amount available for fuscal year ending June 30, 1925	1995	900, 000, 00
Refunds, all appropriations	Amount accrued to Alaska fund during instal year 1920	
Receipts from sales, etc., during fiscal year 1225 16, 101. Increase of compensation, War Department, 1024 1, 835. National cemeteries, 1925 300. Roads and traits, nutional parks, 1925-26. 2, 017, 908. Youe 30, 1925, amount expended during fiscal year, including receipts from sales, etc. 8728, 040. 04 Maintenance \$728, 040. 04 July 1, 1925, balance unexpended \$728, 040. 04 July 1, 1925, outstanding liabilities 209, 023. July 1, 1925, balance unobligated \$209, 025. July 1, 1925, balance unobligated \$209, 025. July 1, 1925, balance unobligated \$210, 747, 047. Amount available from Alaska fund on June 30, 1925 \$747, 047. Amount available for fiscal year ending June 30, 1926 \$77, 560. Amount available for fiscal year ending June 30, 1926 \$79, 560. Amount available for fiscal year ending June 30, 1	Amount contributed by Territory of Aluska and others	
Increase of compensation, War Department, 1924	Refunds, all appropriations	11,080.21
National cemeteries, 1925 300. Roads and treits, national parks, 1925-26	Receipts from sales, etc., during fiscal year 1920	
Roads and traits, nutional parks, 1925–26	Increase of compensation, War Department, 1924	
Total resources 2,017,908. June 30, 1925, amount expended during fiscal year, including receipts from sales, etc.: \$728,040.01 Mew work \$10, 207.60 1,138,347. S79,560. July 1, 1925, balance unexpended \$79,560. July 1, 1925, balance unobligated \$10,634. Amount available from War Department act approved Feb. 12, 1925 \$747,047. Iauge from sales, refunds, etc., during fiscal year (not credited) \$79,560. Ited) \$79,560. Amount available from Alaska fund on June 30, 1925 \$120,867. Receipts from sales, refunds, etc., during fiscal year (not credited) \$10,272. Amount available for fiscal year ending June 30, 1926 \$79,560. Annount (estimated) required to be appropriated for completion of existing projects \$0,000.000. Amount that can be profitably expended in fiscal year ending Junt 30, 1927: \$00,000. For maintenance \$00,000. For maintenance \$00,000.00 For maintenance \$00,000.00 For maintenance \$00,000.00 Protew work \$00,000.00 For maintenance \$00,000.00 Stop (10,000.00 \$00,000.00 For h	National cemeteries, 1925	300.00
June 30, 1925, amount expended during hseal year, including New work \$728,040.04 Maintenance 410,307.60 July 1, 1925, balance unexpended 259,925 July 1, 1925, balance unexpended 259,925 July 1, 1925, balance unobligated 619,634 Amount available from Mar Department act approved Feb. 12, 1925 747,047 1925 747,047 Anount available from Alaska fund on June 30, 1925 10,272 Amount available from contributed funds on June 30, 1925 1,373 Amount available for fiscal year ending June 30, 1925 1,373 Amount available for fiscal year ending June 30, 1925 1,373 Amount available for fiscal year ending June 30, 1925 579,560 Amount (estimated) required to be appropriated for completion of existing projects 579,560 Amount that can be profitably expended in fiscal year ending Junt 30, 1927 500,000 For new work 500,000 For maintenance 950,000 Total 1, 750,000 Junt 30, 1925 55,000.00 Feb. 12, 1925 55,000.00 Feb. 12, 1925 55,000.00 See, 1924 55,000.00 Dec. 6,		
June 30, 1925, amount expended during histal year, including New work \$728,040.04 Maintenance 410,307.60 July 1, 1925, balance unexpended 1,138,347. July 1, 1925, balance unexpended 259,025. July 1, 1925, balance unobligated 619,634. Amount available from Mar Department act approved Feb. 12, 747,047. 1925 120,867. Receipts from sales, refunds, etc., during fiscal year (not credited) 10,272. Amount available for fiscal year ending June 30, 1925 1,373. Amount available for fiscal year ending June 30, 1925 1,373. Amount available for fiscal year ending June 30, 1925 1,373. Amount available for fiscal year ending June 30, 1925 879,560. Amount (estimated) required to be appropriated for completion of existing projects 9,000,000. Amount that can be profitably expended in fiscal year ending Junt 30, 1927 800,000. For new work 500,000. 900,000.00 For new work 55,000.00 55,000.00 For lagineers, 1924 55,000.00 56,000.00 Dec, 1,1925 55,000.00 56,000.00 Feb. 12, 1025 55,000.00 56,000.00		
June 30, 1925, amount expended during hseal year, including New work \$728,040.04 Maintenance 410,307.60 July 1, 1925, balance unexpended 259,925 July 1, 1925, balance unexpended 259,925 July 1, 1925, balance unobligated 619,634 Amount available from Mar Department act approved Feb. 12, 1925 747,047 1925 747,047 Anount available from Alaska fund on June 30, 1925 10,272 Amount available from contributed funds on June 30, 1925 1,373 Amount available for fiscal year ending June 30, 1925 1,373 Amount available for fiscal year ending June 30, 1925 1,373 Amount available for fiscal year ending June 30, 1925 579,560 Amount (estimated) required to be appropriated for completion of existing projects 579,560 Amount that can be profitably expended in fiscal year ending Junt 30, 1927 500,000 For new work 500,000 For maintenance 950,000 Total 1, 750,000 Junt 30, 1925 55,000.00 Feb. 12, 1925 55,000.00 Feb. 12, 1925 55,000.00 See, 1924 55,000.00 Dec. 6,	Total resources	2,017,908.42
receipts from sales, etc.: New work	June 30, 1925, amount expended during fiscal year, including	* <u>.</u>
Maintenance410, 307. 60 1, 138, 347. July 1, 1925, balance unexpended	receipts from sales, etc.:	
Maintenance410, 307. 60 1, 138, 347. July 1, 1925, balance unexpended	New work \$728, 040. 01	
July 1, 1925, balance unexpended \$73, 560. July 1, 1925, outstanding liabilities 619, 634. Amount available from War Department act approved Feb. 12, 747, 047. 1925 747, 047. Anount available from Alaska fund on June 30, 1925 120, 867. Receipts from sales, refunds, etc., during fiscal year (not credited) 10, 272. Amount available for fiscal year ending June 30, 1925 1, 373. Amount available for fiscal year ending June 30, 1926 9, 000, 000. Amount (estimated) required to be appropriated for completion of existing projects 9, 000, 000. Annount that can be profitably expended in fiscal year ending Junt 30, 1927: 800, 000. For new work 800, 000. For maintenance 900, 000. Total 11, 750, 000. 2084, Annual Report of the Chief of Engineers, 1924) 55, 670, 600. 00 Dec. G, 1925 55, 000. 00 Feb. 12, 1025 900, 000. 00 Receipts from Treasury United States, account "Alaska fund" wagon roads, bridges, and traits, Alaska fund 20, 1124 (see statement on p. 163, Pt II, Annuil Report of the Alaska Road Commission, fiscal year 1024 (see statement on p. 163, Pt II, Annuel Report of 128, 571, 531 1925 128, 571, 531 1925 128, 571, 531 <td>Maintenance 410, 307. 60</td> <td></td>	Maintenance 410, 307. 60	
July 1, 1925, outstanding liabilities		1, 138, 347. 64
July 1, 1925, outstanding liabilities	July 1, 1925, balance unexpended	879, 560. 78
Amount available from War Department act approved Feb. 12, 1925 747, 047. Amount available from Alaska fund on June 30, 1925 120, 867. Receipts from sales, refunds, etc., during fiscal year (not credited) 10, 272. Amount available for fiscal year ending June 30, 1925 1, 373. Amount (estimated) required to be appropriated for completion of existing projects 9, 000, 000. Amount that can be profitably expended in fiscal year ending Junt 30, 1927: 800, 000. For new work 800, 000. For maintenance 900, 000. Yotal 11, 750, 000. Amount appropriated to and including June 7, 1924 (see detailed statement on p. 2084, Annual Report of the Chief of Engineers, 1924) \$5, 670, 600. 00 Dec. 6, 1925 55, 000. 00 \$6, 625, 600. Receipts from Treasury United States, account "Alaska fund: \$6, 625, 600. Receipts from Treasury United States, account "Alaska Rund Commission, fiscal year 1024 (see statement on p. 163, Pt II, Annual Report of the Alaska Rond Commission, fiscal year 122, 871. 33 925 1925 123, 871. 33 123, 871. 33 1925 123, 871. 33 123, 871. 33 1925 123, 871. 33 123, 871. 43	July 1, 1925, outstanding liabilities	259,925.79
Amount available from War Department act approved Feb. 12, 1925 747, 047. Amount available from Alaska fund on June 30, 1925 120, 867. Receipts from sales, refunds, etc., during fiscal year (not credited) 10, 272. Amount available for fiscal year ending June 30, 1925 1, 373. Amount (estimated) required to be appropriated for completion of existing projects 9, 000, 000. Amount that can be profitably expended in fiscal year ending Junt 30, 1927: 800, 000. For new work 800, 000. For maintenance 900, 000. Yotal 11, 750, 000. Amount appropriated to and including June 7, 1924 (see detailed statement on p. 2084, Annual Report of the Chief of Engineers, 1924) \$5, 670, 600. 00 Dec. 6, 1925 55, 000. 00 \$6, 625, 600. Feb. 12, 1025 900, 000. 00 \$6, 625, 600. Receipts from Treasury United States, account "Aniska fund" wagon roads, bridges, and trails, Alaska rund: \$6, 625, 600. Receipts from Treasury United States, account "Aniska Road Commission, fiscal year \$2, 775, 208. 93 1925 123, \$71. 33 123, \$71. 33 123, \$71. 33		
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Amount available from Alaska fund on June 30, 1925	Amount available from War Department act approved Feb. 12,	547 047 QV
Receipts from sales, refunds, etc., during fiscal year (not cred- lited) - 10, 272. Amount available from contributed funds on June 30, 1925 . 1, 373. Amount available for fiscal year ending June 30, 1926		
ited) 10, 272. Amount available from contributed funds on June 30, 1925 1, 373. Amount available for fiscal year ending June 30, 1926 879, 560. Amount (estimated) required to be appropriated for completion of existing projects 9, 000, 000. Amount that can be profitably expended in fiscal year ending Junt 30, 1927: 800, 000. For new work 800, 000. For maintenance 900, 000. Total 11, 750, 000. Total 11, 750, 000. June 7, 1924 (see detailed statement on p. 2084, Annual Report of the Chief of Engineers, 1924) June 7, 1924 (see detailed statement on p. 2084, Annual Report of the Chief of Engineers, 1924) Statement on p. 163, Pt. II, Annual Report of the Alaska fund: 900, 000. Receipts from Treasury United States, account \$6, 625, 600. Receipts from Treasury United States, account 11, 634, 57 1924 2, 775, 208, 93 1924 2, 871, 33 Proceeds from sales, etc 11, 634, 57 2, 910, 714, 3	Amount available from Alaska fund on June 30, 1925	120, 801, 04
Amount available from contributed funds on June 30, 19251, 373. Amount available for fiscal year ending June 30, 1926879, 560. Amount (estimated) required to be appropriated for completion of existing projects9,000,000. Amount that can be profitably expended in fiscal year ending Junt 30, 1927: For new work \$00,000. For new work \$00,000. For naintenance \$00,000. Total 11,750,000. Appropriation and maintenance, military and post 30. \$11,750,000. Total 11,750,000. State amount appropriated to and including June 7,1924 (see detailed statement on p. 2054, Annual Report of the Chief of Engineers, 1924) \$5,670,600.00 Dec. 6, 1925	Receipts from sales, refunds, etc., during fiscal year (not crea-	10 000 01
Amount available for fiscal year ending June 30, 1926	/ ited):	1, 273, 20
Amount (estimated) required to be appropriated for completion of existing projects		
Amount (estimated) required to be appropriated for completion of existing projects	Amount available for fiscal year ending June 80, 1926	879, 560. 78
of existing projects9,000,000. Amount that can be profitably expended in fiscal year ending Junt 30, 1927: For new work800,000. For maintenance950,000. Total'1,750,000. Total'1,750,000. Total amount appropriated to and including June 7, 1924 (see detailed statement on p. 2084, Annual Report of the Chief of Engineers, 1924)55,670,600.00 Dec. 6, 192555,000.00 Feb. 12, 192555,000.00 Feb. 12, 192556,625,600. Receipts from Treasury United States, account "Alaska fund" wagon roads, bridges, and trails, Alaska fund: Total receipts to end of liscal year 1924 (see statement on p. 163, Pt. II, Annual Report of the Alaska Road Commission, fiscal year 1924)2,775,208.93 19251634.57 Proceeds from sales, etc2,910,714.55	and βerne a Arrestation and βerne	
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Total	Amount that can be profitably expended in fiscal year ending	
Total	Junt 50, 1927;	800 000 00
Total	Tow mointangpag	950,000,00
APPROPRIATIONS (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		
APPROPRIATIONS (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	Potel	11, 750, 000, 00
 Construction and maintenance, minitary and post, 37 roads, bridges, and trails, Alaska: Total amount appropriated to and including June 7, 1924 (see detailed statement on p. 2084, Annual Report of the Chief of Engineers, 1924) Dec. 6, 1925		
 Construction and maintenance, miniarly and post 32 roads, bridges, and trails, Alaska: Total amount appropriated to and including June 7, 1924 (see detailed statement on p. 2084, Annual Report of the Chief of Engineers, 1924) Dec. 6, 1925	APPROPRIATIONS IN THE APPROPRIATIONS	n (1000) Markena (100)
 Construction and maintenance, miniarly and post 32 roads, bridges, and trails, Alaska: Total amount appropriated to and including June 7, 1924 (see detailed statement on p. 2084, Annual Report of the Chief of Engineers, 1924) Dec. 6, 1925	9.01 Contraction of the other strategies of the states of	an a
roads, bridges, and trails, Alaska : Total amount appropriated to and including June 7, 1924 (see detailed statement on p. 2084, Annual Report of the Chief of Engineers, 1924)		
Total amount appropriated to and including June 7-1924 (see detailed statement on p. 2084, Annual Report of the Chief of Engineers, 1924)\$5, 670, 600, 00 Dec. 6, 1925\$5, 000, 00 Feb. 12, 1925\$5, 000, 00 Feb. 12, 1925\$6, 625, 600.Receipts from Treasury United States, account "Aluska fund" wagon roads, bridges, and trails, Alaska fund: Total receipts to end of fiscal year 1024 (see statement on p. 163, Pt. II, Annual Report of the Alaska Road Commission, fiscal year 19242, 775, 208, 93 1925123, S71, 33 Proceeds from sales, etc2, 910, 714.	Construction and maintenance, military and post and the second	a setende a setende As estende a setende a
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Engineers, 1924) \$5, 670, 600, 00 Dec. 6, 1925 55, 000, 00 Feb. 12, 1925 900, 000, 00 Receipts from Treasury United States, account \$6, 625, 600. "Alaska fund" wagon roads, bridges, and \$6, 625, 600. trails, Alaska fund: Total receipts to end of fiscal year 1924 (see statement on p. 163, Pt. II, Annual Report of the Alaska Road Commission, fiscal year 1924) 2, 775, 208, 93 1925 123, \$71, 33 Proceeds from sales, etc 11, 634, 57 2, 910, 714.	Fronds, bridges, and trails, Alaska:	e satata ség Ottopagna s
Dec. 6, 1925	Fronds, bridges, and trails, Alaska:	e satata ség Ottopagna s
Aniska Find Wagon Fonds, Bridges, and trails, Alaska fund: Total receipts to end of fiscal year 1024 (see statement on p. 163, Pt. II, Annual Report of the Alaska Road Commission, fiscal year 1924) 2,775, 208, 93 1925 2,775, 208, 93 1925 123, S71, 33 Proceeds from sales, etc 11, 634, 57 2, 910, 714.	 ronds, bridges, and trails, Alaska: Total amount appropriated to and including June 7, 1924 (see detailed statement on p. 2084, Annual Report of the Chief of Engineers 1924) 	en er station i de la serie Antal autore de la serie Antal de la serie Antal de la serie
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Amska rund wagon roads, bridges, and trails, Alaska fund: Total receipts to end of fiscal year 1924 (see statement on p. 163, Pt. II, Annual Report of the Alaska Road Commission, fiscal year 1924) 2,775, 208, 93 1925 2,775, 208, 93 1925 123, S71, 33 Proceeds from sales, etc 11, 634, 57 2, 910, 714.	Total amount appropriated to and including June 7, 1924 (see detailed statement on p. 2084, Annual Report of the Chief of	en er station i de la serie Antal autore de la serie Antal de la serie Antal de la serie
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ANNUAL REPORT OF THE ALASKA ROAD COMMISSION

FISCAL YEAR 1925

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ANNUAL REPORT OF THE ALASKA BOAD CONDUSTION TISCAL YEAR 1880

REPORT UPON THE CONSTRUCTION AND MAINTENANCE OF MILITARY AND 20ST ROADS, BRIDGES AND TRAILS; AND OF OTHER ROADS, TRAMWAYS, FEBRIES, BRIDGES, TRAILS, AND RELATED WORKS IN THE TERRITORY OF ALASKA

> TWENTY-FIRST ANNUAL REPORT

> > 1925

PART II

OPERATIONS

BOARD OF ROAD COMMISSIONERS FOR ALASKA

JUNEAU, ALASKA 1925

DOCUMENTS

COLLECTION

Alaska library

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THE ALASKA ROAD COMMISSION

(From the speech of President Harding delivered in Seattle, July 27, 1923, upon his return from a tour of Interior Alaska.)

.... "In another direction there is justification for a most liberal disposition; that of road and trail building. Much of the Alaska which will in another generation be rich and productive, is yet unexplored, to say nothing of being mapped and equipped with highways. There should be an organization capable of the readiest response to demands for roads and trails. No discovery of riches should be kept from national development for want of access to it. Alaska is so vast a region that merely to prospect it thoroughly is a matter of generations, with a far larger population than it now possesses. Roads constitute a prime need in every new country, and our long national experience in pushing our highways ahead of the onrolling wave of settlement ought to convince us that the broadest liberality towards roads in Alaska will be certain to bring manifold returns.

"Aside from all this, there is the necessity to provide feeders for the railroad which the government has built and is now operating. Morethan \$56,000,000 has been spent on this 500 miles of railroad. It was not built in the expectation of immediate or even early profit; rather, it stands in much the same relation to Alaska that the Union Pacific did to our widely separated ocean fronts, east and west, when it was constructed far in advance of economic justifications. It is a pledge, a testimony of faith, a declaration of firm confidence in the future of all Alaska. It is but a beginning, as the present road system is but a beginning; and I AM WILL-ING TO BE CHARGED WITH A PURPOSE OF SOMETHING LIKE PRODIGALITY IN MY WISH TO SERVE ALASKA GENEROUSLY, AND MORE. IN THIS MATTER OF ROAD BUILDING."

Alaska Road Commission. Juneau, Alaska, August 15, 1925.

The Honorable. The Secretary of War (Thru The Chief of Engineers, United States Army) Washington, D. C.

Sir:

In compliance with the provisions of Sec. 2 of an Act of Congress approved Jabuary 27, 1905, as amended by Act approved May 14, 1905, I have the honor to submit the attached report of the operations of this Commission for the fiscal year ending June 30, 1925.

Major Lunsford E. Oliver, Corps of Engineers, reported for duty with the Commission and was appointed Assistant Chief Engineer on May 21, 1924. On August 5, 1924 he succeeded as Chief Engineer, the undersigned who had served temporarily as Chief Engineer since the relief of Major John C. Gotwals, Corps of Engineers, on March 26, 1924.

Lieut. Harry E. Fisher, Corps of Engineers, reported for duty with the Commission on Oct. 22, 1924. He succeeded Captain P. A. Agnew, Corps of Engineers, as Secretary and Disbursing Officer on February 1, 1925. Captain Agnew remained on duty with the Commission till June 20, 1925.

The close and cordial relations which this Commission has developed with other officials, both Federal and Territorial, continued during the year and several additional jobs for other bureaus were undertaken. The off-repeated criticisms of government red-tape in Alaska decidedly do not apply to the operations of this Commission, which is the only federal bureau permanently resident in the Territory and clothed by its enabling act with authority "of its own motion" to har file its business without reference to Washington.

Respectfully,

JAMES G. STEESE. President

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Secretary of the Interior; Director, National Park Service; Governor of Alaska: Chief of Engineers, U. S. Army; and President, Alaska Road Commission,

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REPORT UPON THE CONSTRUCTION AND MAINTEN-ANCE OF MILITARY AND POST ROADS, BRIDGES, AND TRAILS, ALASKA; and of other Roads, Tramways, Ferries, Bridges, Trails and Related Works in the Territory of Alaska.

REPORT OF THE BOARD OF ROAD COMMISSIONERS FOR ALASKA.

James G. Steese.	President
Lunsford E. OliverChief	Eugineer.
H. E. FisherSecretary and Disbursin	ig Officer.

For description of Project Under This Commission see Part 1 of this Report, contained in Annual Report of the Chief of Engineers, United States Army.

STATUTORY AUTHORITY.

An act to provide for the construction and maintenance of rotais * * * * * in the District of Alaska, and for other purposes.

Be it enasted by the Senate and House of Representatives of the United States of America in Congress assembled. That all monies derived from and collected for liquer licenses, occupation or trade licenses, outside of the incorporated towns in the Territory of Alaska, shall be deposited in the Treasury Department of the United States, there to remain as a separate and distinct fund, to be known as the "Alaska Fund" and to be wholly devoted to the purposes hereinafter stated in the Territory of Alaska * * * * * * * * and all the residue (65% of total fund) of said fund shall be devoted to the construction and maintenance of wagon roads, bridges, and trails in said Territory * * * * * *

SECTION 2. That there shall be a board of road commissioners in said district, to be composed of an engineer officer of the United States Army to be detailed and appointed by the Secretary of War, and two other officers of that part of the army stationed in said district and to be designated by the Secretary of War. The said engineer officer shall, during the term of his said detail and appointment, abide in said district. The said board shall have the power, and it shall be their duty, upon their own motion or upon petition, to locate, lay out, construct, and maintain wagon foads and pack trails from any point on the navigable waters of said district to any town, mining or other industrial camp or settlement,

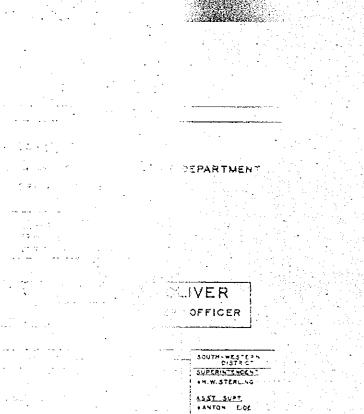
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or between any such towns, camps, or settlements therein, if in their judgment such roads or trails are needed and will be of permanent value for the development of the district; but no such read or trail shall be constructed to any town, camp. or settlement which is wholly transitory or of no substantial value or importance for mining, trade, agricultural, or manufacturing purposes. * * * * * * * * In case no responsible and reasonable bid can be secured, then the work may be carried on with material and men procured and hired by the board. The engineer officer of the board shall in all cases supervise the work of construction and see that the same is properly performed. * * * * * * * * * Tt shall be the duty of said board, as far as practicable, to keep in proper repair all roads and trails constructed under their supervision, and the same rules as to the manner in which the work of repair shall be done, whether by contract or otherwise, shall govern as in the case of the original construction of the road or trail. The cost and expense of laying out, constructing, and repairing such roads and trails shall be paid by the Secretary of the Treasury. through the authorized disbursing officer of the board, designated by the Secretary of War, out of the road and trail portion, of said "Alaska fund" upon vouchers approved and certified by said board * * * * * * * * * * (Act of January 27, 1925, as amended by Acts of May 11, 1906 and March 3, 1918).

Provided, That hereafter the Secretary of War may, in his discretion, assign suitable retired officers of the Army to active duty as members of the board of road commissioners for Alaska. (Act of March 3, 1911).

Provided, that hereafter, so long as the construction and maintenance of "Military and Post" Roads in Alaska, and of other roads, bridges, and trails in that Territory shall remain under the direction of the Secretary of War, he be authorized to submit such estimates for the consideration of Congress as are in his judgment necessary for a proper prosecution of the work. (Act of July 9, 1918). Hereafter when an Appropriation for this purpose for any fiscal year shall not have been made prior to the 1st day of March preceding the beginning of such fiscal year, the Secretary of War may authorize the Board of Road Commissioners to incur obligations for this purpose of not to exceed 75 per centum of the appropriation forthis purpose for the fiscal year then current, payment of these obligations to be made from the appropriation for the new fiscal year when it becomes available. (Act of Feb. 12, 1925).

Provided, That the Secretary of War is hereby authorized to receive from the Territory of Alazka, or other source, such funds as may be contributed by them to be expended in connection with funds appropriated by the United States for any authorized work



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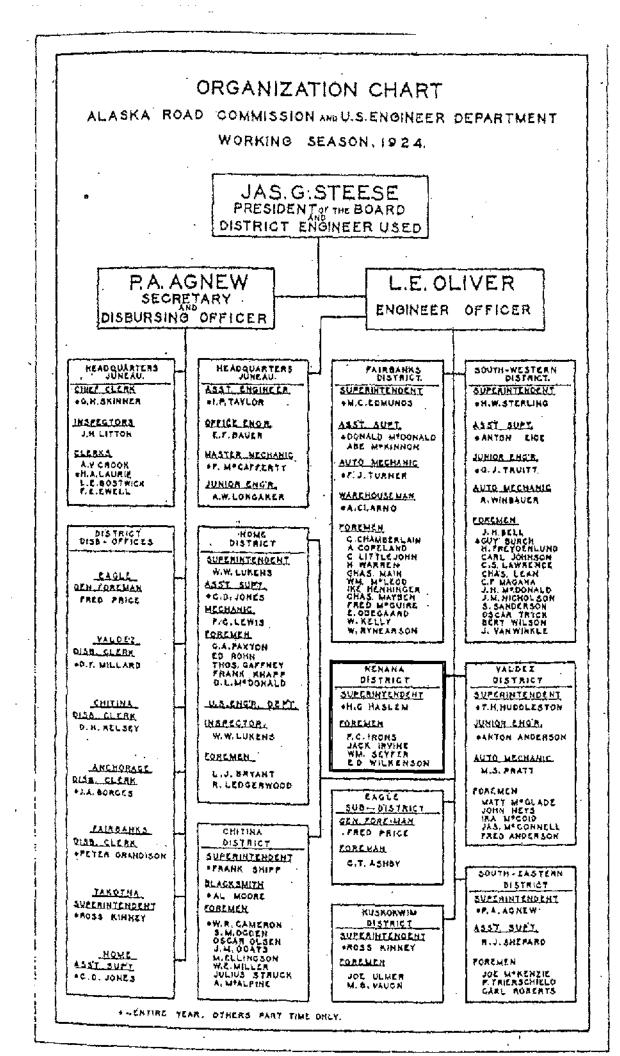
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ANNUAL REPORT ALASKA ROAD COMMISSION.

of construction, repair, and maintenance of roads, bridges, farries, trails, and related works in the Territory of Alaska, and to cause such funds to be deposited to the credit of the Treasurer of the United States, and to expend the same in accordance with the purpose for which they were contributed. (Act of June 30, 1921).

CURRENT APPROPRIATION.

Construction and Maintenance of Roads, Bridges, and Traits. Alaska: For the construction, repair, and maintenance of roads, transvays, ferries, bridges, and traits, Territory of Alaska, to be expended under the direction of the Board of Road Commissioners described in Section 2 of an Act entitled "An Act to provide for the construction and maintenance of roads, the establishment and maintenance of schools, and the care and support of insane persons in the District of Alaska, and for other purposes" approved January 27, 1905, as amended by the Act approved May 14, 1906, and to be expended conformably to the provisions of said Act as amended \$900,000 to be immediately available. (Act of Feb. 12, 1925).

OPERATIONS DURING THE FISCAL YEAR.

The work during the fiscal year ending June 30, 1925, Was executed under appropriations for "Construction and maintenance of roads, bridges, and trails, Alaska, 1924-1925," approved June 7, 1924; and "1925-1926" approved Feb. 12, 1925; and from receipts from the "Alaska Fund" act of Congress approved January 27, 1905, as amended by act approved May 14, 1906. Work was also done which was covered by funds contributed by the Territory of Alaska, The National Park Service, and others, Act of Congress approved June 30, 1921. The work consisted chiefly of maintenance and rehabilitation of existing roads, trails and bridges. The construction of several hew projects was continued mostly under cooperative agreements with the Territorial Board of Road Commissioners and the National Park Service.

The roads constructed by this Commission are in general good wacon roads. However, a more substantial type of road has now been built in many places, upon which automobiles and light trucks can be used economically. The domand for roads of this type is increasing, and effort is made in each case to provide a gravel surincreasing for the road.

ORGANIZATION.

The headquarters of the Commission are located at Juneau: a sub-office is maintained at Washington, D. C., as required. The Territory is divided into eight districts and two sub-districts with boundaries as shown on maps accompanying the district reports herein.

Each district is in charge of a superintendent. It is the duty of each superintendent to visit his working crews and to give them the necessary engineering supervision during the season. The foremen in local charge are in nearly all cases trained men who have been attached to this Commission for many years.

MACHINERY AND EQUIPMENT.

The following additional equipment was purchased during the fiscal year;

33 Trucks, Ford 1 yd. dump.

2 Trucks, Ford 1 ton cargo.

3 Trucks, Ford Runabout.

2 Tractors, Best.

10

3 Graders, horsedrawn.

1 Grader, Tractor drawn, (Adams),

1 Grader, Wehr, with Fordson Tractor attached.

4 Dump Bodies, 1 yd. for Ford Trucks.

3 Dump Bodies, 1 yd. for G. M. C. Trucks,

1 Drag, Oregon Road Planer.

2 Trailers, Highway dump.

4 Trailers, Highway freight.

2 shovels, gasoline, Byers ½ yd.

4 Dump bodies, 1½ yd. for wagons.

Additional quantities of surplus Army stocks suitable for this work have been received including

6 Holt 5 ton tractors.

60 Tons dynamite 40%.

1 Transit, surveying.

Miscellaneous small surveying instruments and drafting supplies.

The high cost of labor and of maintaining horses has made necessary the prosecution of the greater part of our work with. mechanical equipment.

The Commission is now well equipped to handle engineering construction anywhere in the Territory. Its major items of equipment include the following:

23 Auto Trucks, Dodge.

56 Auto Trucks, Ford.

16 Auto Trucks, G. M. C.

4 Auto Trucks, Packard.

2 Auto Trucks, Pierce, Arrow.

7 Auto Trucks, White.

1 Boiler, Piledriver.

2 Cars, Gasoline section. 4 Cars, Roller bearing push. 1 Compressor, air. 2 Crushers, stone. 1 Drum, hoisting. 23 Drags, road. 1 Drag, planer. 2 Drag lines, gasoline. 2 Derricks, motor. 2 Ditchers, road. 1 Engine, donkey. 9 Engines, Hoisting. 10 Graders, road, tractor drawn. 17 Graders, road, horsedrawn. 1 Grader, power with Fordson Tracter. 1 Jackhammer. 4 Levels, surveying. 1 Locomotive, Fordson. 2 Machines, mowing, 1 Mixer, concrete. 4 Piledrivers. 48 Plows. 3 Radio outfits. 8 Rollers, road. 1 Rake, moss. 4 Saws, power driven. 1 Scarifier. 67 Scrapers, slip. 10 Scrapers, wheel. 1 Shovel, 3% yd. steam. 2 Shovels, ½ yd. gasoline. 55 Sleds, bob. 5 Tractors, Best. 23 Tractors, Holt. 1 Tractor, Case. 3 Tractors, Titan. 1 Tractor, Yuba. 36 Trailers, Highway. 7 Transits, surveying. 77 Wagons. 1 Welding outfit. 4 Winches, hand.

PROGRESS OF THE WORK.

The bigh scale of wages and supplies in the Territory is a large element in the cost of this work. The rate paid for labor varies from \$3.50 to \$6 per day with board for common labor. The cost of subsistence and forage is also correspondingly high. Hesides these high costs, the nature of the work in Alaska adds to the cost in a way to make comparisons with road work in the United States difficult. In the roads built here the cruising, clearing, grubbing and construction of the road includes all work done upon the roads in the settled parts of the United States from pioneer days. Even with this the mileage cost of our roads can be looked upon with a great deal of gratification.

In the classification of the Commission, wagon roads are any roads cleared, grubbed, ditched, graded, and drained sufficiently to accommodate wagon traffic. Light motor vehicles are now using these roads in increasing numbers. This requires a gravel surface at an increased first cost, but with an eventual saving in annual maintenance charges.

Sied roads are cleared and graded like wagon roads, but not grubbed. They are drained only sufficiently to prevent their destruction by the summer rains. Their wearing surface is of snow. Double bob-sleds, drawn by two, four, etc., horses haul heavy loads over these roads as well as over the wagon roads in winter time. During the past two or three seasons, caterpillar tractors have been successfully used during the winter time, and such traffic is expected to increase.

Trails include any construction less than the above, suitable for dog-sleds or single horse-drawn double-ender in winter and pack trains in summer. Except where frozen river surfaces are used, some work is always necessary to permit the use of dog teams.

Flagged Trails represent cut-ofis across frozen lakes, arms of the sea. $\pm tc$. The marks are necessary to prevent travelers from getting lost in bad weather.

Since assuming charge at the beginning of the 1920 working season, the present Commission has been engaged in overhauling the entire road and trail situation, rehabilitating or abandoning the projects which have fallen into disrepair or disuse, and drawing up a progressive and comprehensive plan of operations covering a period of years.

The total mileage of roads and trails constructed by the Commission during its first sixteen years of existence (1905-1929) aggregated (4.55) miles, consisting of 1031 miles of wagon road, 526 miles of

siel road, and 3223 miles of trail. In addition some 712 miles of temporary trail have been flagged as required.

Not all of this mileage has been maintained year by year; some has been in disuse or practically impassable for many years and a small mileage has been superseded by other routes or methods of transportation as will appear more in detail below.

The specific routes included in this 5602 miles are enumerated in Tables I and IV, Annual Report for 1921. The following table summarizes the status of the work of investigation and rehabilitation begun five years ago and now practically completed.

STATUS			EAGE		
Wagon Roud 1920 Report	Sled Road 636	Trail 3,223	Tetal 4.390	Flagged 712	Grand Total 5,692
ADDITIONS:					
New Mileage 5132 <u>;</u> Reclassified 15034	$534 \frac{L_2}{2341_2}$	4.395+2 65	5.443 % 480° s		5,4487 <u>2</u> 45042
GRAND TOTAL	1,405	7.6531-	10.014	712	11,495
DEDUCTIONS:					
Transferred to other Eureaus Reclassified 13% Abardonel or propped	0 1938 <u>4</u>	454 <u>5</u> 243	172 430 1 4		172 450]4
secount duplication of routes	11519	930	1.137		1,187%
NET TOTAL	1.052_{1}^{3}	6,465	9.424	712	9,786
Corrigorial Work 1925 113 ¹⁴ No. Work 1925 145 ¹⁴ A. E. C. Work 19251,213 ²⁴	64 2751 <u>9</u> 74734	54 2,435 4,356	2814, 2.4754, 6.817	240 472	201-1 2,715-1 6,759

During the past fiscal year the expenditures were distributed were the following mileage:

LISTRICT	Vagon . Road	Sled Road	Trails	Flagged Trails	Total
Southeastern Aleska	57 29		5.21		62 400
	162%		423	···· ····	426 440
Fulla	. 157 3131+	1511 ₄	123		157
Sittiveztern Alezka	. 962 <u>8</u> 128 40	\$121 ₂ \$0 38\±	34 <u>1</u> 2017		840 665
NINGERINA NINGERINA	2721-	27	2.015	472	2.050-4
TOTALS (1,213 %4	ļ, l	8.97F	472	6.759

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

-EDERAL APPROPRIATIONS:

Alaska Fund. 1998-1929		2,155.030.92*
WEr Dept. Acts, 1905-1920		2,097,041,44
increase of Compensation,	1915-1020	145 24

C. S. Treasury Adjustments, 1905-1920	
Alaska Fund. 1921-1925	. 661,866.20
War Dept. Acts, 1921-1925	. 2,888,809.20
Increase of Compensation, 1921-1925	94,931.25
National Park Service, 1925	\$0,020.00
Total	\$5,911,714.97
CONTRIBUTED FUNDS:	
Territory of Alaska, 1920 Territory of Alaska, 1921-1925	.\$ 101,181.56
Territory of Alaska, 1921-1925	- 450,994.81
Miscellaneous, 1922-1925	7,953.08
Totel	\$ 590,132.45
Grand Total	
*Includes the following adjustments: Appropriations	\$2,123,585.65
ADDITIONS:	
Benefinta from sales \$12.601.14	
Receipts, from sales\$48,694.14 Repayments, voucher corrections\$1,328.68	50.020.82
Total	\$2,173,606.47
DEDUCTIONS:	
Disoursing officer shortage ***	18,675.53
Net Totai	.\$2.155.030.92
* includes the following adjustments:	
Appropriations	.\$3,055,000.00
ADDITIONS:	
Navy Dept. reimbursement\$ 3,976.19	
Repayments, voucher corrections 291.80	4,267.99
Toral	\$3.059,267.99
DEDUCTIONS:	
DEDUCTIONS: Disbursing officer shortage ^{***}	_ 1,226.55

***Defaulting officer was dismissed the service by G. O. No. 4, War Dept., Washington, D. C., Feb. 17, 1913.

Net Total

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

Read tax, labor, and miscellaneous contributions, 1905-1920\$	200;000.00 203,702.67
Quartermaster General, 1901-1902	100,090.00*
Chief of Engineers, 1991-1995	34,631.78*
Territorial Funds and Forest Revenues Prior to 1921	
Territorial Divisional Commissioners, 1921-1924	91,494.33 21,118.86
Seward Peninsula Tramway, 1923	24.014.00
Telovane Tremway, 1934	6.425.00
M: McKinley National Park, 1924	700.25
Τ(12]	,365,326.53

*Expended prior to organization of the Alaska Road Commission,

The following table gives the total amounts expended on the various routes up to June 30, 1925, from all sources. It does not include expenditures by the Forest Service. Several items among the contributed funds are subject to minor modification:

	1			•••		:. <u></u>		1 - 2012 - 1 1	10 m to the second s	:	
sub-				SA.CIE			propriations				
rojec No.	Name of Route	Wagon Road		Trall	Total Miles		ska Fund F.Y.1921-'25	Funds	Funds FV 1015-195	GRAND TOTAL	
	rigino or rioute		Troad	114.11		x.1.1303-20	P.1.1941- 40	T.1.1020- 20		101/10	
	Prince of Wales Island	. 4		7	11	\$ 55,649.78	\$ 204.50	\$ 7.995.98		63,850,26	
	Juneau-Eagle River					110,497.01			\$ 9,927.23	120.424.24	
	Auk Bay Extension	. 2			2	44,286.13		14.870.66	1,247.64	60.404.43	
B	Mondenhall Glacier								, .		
	Extension	. 3			3		15,150,21			15,160.21	
	Eagle River Extension			14	20	,	842,39		2,305.75	3,148,14	
D	Juneau-Duck Creek	. 10			10	**************	4,448.21	***********		4,448.21	
	Gastineau Channel Dredging	ş	********			*****************	**************	**********	28,621.83	28,621,83	
	Gold Creek Bridge, Juneau	1	*******		*******		***************		2,156.75	2,156.75	
G	Alaska Juneau Mine Trail.	~~~~~	********			**************	***********	*************	831.66	831.66	
	Haines-Pleasant Camp			********	*******	166,664.71	37,999.91	6,398.20	B	211,062.82	
	Haines-Wells	. 25	*******		25	***********	13,130.96		***********	26,099.95	
13	Pleasant Camp Extension.	. 18			18	***	66,133,53	39,782.30		105,915.83	
	Porcupine Extension	. 20			20	***********	705,69	700.00		1,405.69	
	Halnos-Mud Bay	. 10			10		2,251.30	7,950,00	16,268.16	26,469.46	
	Halnes-Chilkoot				3	*********			5,962.74	5,962.74	
F	Haines-Jones Point								2,093.45	2,093.45	
A.	Donnelly-Washburn		55		55	32,380.06	1,080,00		************	33,460.06	
	Richardson-Democrat Creol				*******	->*************		*****	500.00	500.00	
	Valdez-Ernestine					483,794.16			••••••	483,794.16	
BA.	Valdez-Ptarmigan Drop	. 33			33	***********	293.071.49			293,071,49	
	Plarmigan Drop-Ernostine				30	***,	65,507,60		******	65,507.60	
	Ernestine-Willow Creek				29	143,952,57	102,437.66			246, 390, 23	
D	Willow Creek-Gulkann					252,464,01	109,024.48			161.488.49	
	Gulkana-Sourdough	21 %			21 1/2	142,402,90	84,013.93			226,416.53	
լբ	Sourdough-Mile 168	18			18	119,241.60	\$9,872.03		1	209,116.63	
	Mile 168-Dolta River	. 38			38	166,545,96	80,925,25		a second second	247, 174.21	
	Delta River-McCarthy				***** **	466,192,19	18,846.42			425,038,61	
	Della River-Rapids	. 25 %			25.14	*********	107,161.79			107, 161, 79	
	Rapids-Grundler				18	······	71,267.02			71.257.02	
I	Grundler-Richardson	201/2			$20\frac{1}{2}$	155.782.30	78,010.90		*************	233,793,20	
J	Richardson-Salehaket	. 30			30	190,345.82	84,934.48			275,280.30	
ĸ	Salchakei-Fairbanks	. 40			40	226,994,69	218,531.21		*************	4 45,4 75,90	
КΛ	Salcha Bridge						38,162.78			38,162.78	
	Ester-Fort Gibbon					93,669.81	3,356.10		******	97,025.91	
Λ	Dunbar-Ft. Gibbon		121		121	*********	5,788.79			5,788.79	
A	Willow Creek-Tonsina		*****		24	\$1,005.88	98,565,46			179,571.34	
113	Tonsina-Chilina				15	154,826,80	101,569.87			256,396,67	

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- Sul Proj No	eet in the	Wagon Rout		SACIE - Trall	Totat Miles	Federal App and Alast F.Y.1905-'20 1	ka Fund	Funds	Funds	GRAND TOTAL	يسم ري
7 7 A 7 A I 7 A I 7 B	Sumailt-Chetanika A Cleary Greak 3 Cleary-Fleb Creek Fox Onen	···· *	· •••••••• •••••••• ••••••••		11 2 13	24,068.70	13,652,12 394.05	380,00	31,302,28 4,852,03 718,41 350,30 6,144,31	31,302.28 42,830,85 748,44 380,30 83,238 44	ANNTA
- 100 - 200 - 200 - 200 - 200 - 200	Summitt Patrbacky Greek Bate Creek College Spur I St. Patrick's Creek		• • • • • • • • • •	• • • • • • • • • • • • • • • • • •	13 13 13	14,810,64 27,221,14	1,184.50 2,203.16	\$0,00 243.75	865,75 6,293.03 19,486,50 630,00	856,75 22,286,17 49,454,55 530,00	L REPO
716 716 761 711 711 71 71 71 71	(proposed) Vault Creek-Preasure Cree Fairbanks-Allmore Lazello Road Lazello Road Little Eklorado Creek Allmore-Summit Gilmore-Creek Fairbanks-Chenn Hol	2 3 3 3 3 3 3 3 3 3 3 3 3 3		********* ******** ******** ********* ****	2 1 1/2 1 3 2 1/2 4 6	4,496,29 1,379,09 17,851,14 3,890,83 11,683,70	21,472,24		189,00 379,00 4,896,95 633,17 5,799,07 6,334,93 1,562,90	$\begin{array}{c} 189,00\\ 4.876,20\\ 7.379,09\\ (4.220,33\\ -633,17\\ -9,689,90\\ 23,369,32\\ 1,662,00\end{array}$)RT ALASK
71K 71N 71N 72S 77U 77V 77V 77Z 88A 811	Springs Ohnei-Livengood Farmers-Blech Hill Alsabello Creek Goldstream-O'Comor Cree Gracht Bridge Farmers-Cheun Slough Noves Slough Bridge Fairbanks Wireless Fairbanks Wireless Nome-Council Bonanza-Ferry Safely Ferry	9 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	64	54	54 54 9 2 6 4 1/2 82	5,217.83 12,067.89	4,916.96 316.82 154.64 	70,811.97 1,335.87 980,63	3,087,10 761,68 19,570,62 175,00 1,025,57 2,548,74 459,69 14,918,48 55,647,98	$\begin{array}{c} 13,221,89\\ 13,146,39\\ 19,370,62\\ 155,60\\ 154,64\\ 1,323,57\\ 2,548,74\\ 459,59\\ 377,00\\ 14,918,48\\ 304,807,20\\ 1,652,67\\ 1,448,53\end{array}$	A ROAD COMMISSION
801 813 814 814 815 815 9	Council Ferry Council-Ophir Creek Bear Creek Trolley Casa de Paga Shovet Creek Rampart-Eureka	12 20 5	1914	······································	12 20 5 27 1/2	37,282.38	176.00 1,220.46 1.00 2,013.34 3,488.93	50,00 610,00 10,00 5,300,00 562,00	10.079.75 58.50 1,518.82	$\begin{array}{r} 226.00\\ 1.830.46\\ 11.00\\ 18.392.09\\ 58.50\\ 42.841.63\end{array}$	ž

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Seward-Kenai Lake 14 63,217,43 9,170.33 14 5,000.00 3,396.17 80,783.93 -----..... 10Λ Seward Radio 1 6.470.04 35,006,505.04 1 ************ 1013 $2\frac{1}{2}$ 18,992.30 18,992.30 Lowell Creek Survey THK* 80.75 7 \$0.75 Bagle Liberty 20 37 41A 64,994.71 21,261.83 \$00,80 600.00 87.657.34 11AA American Jummill King Solomon Liberty-Porty Mile Steel Creek Jack Wade 5 150.00 1140-00 1. 1113 23 16,376,07 1,216,00 23770.14 18,362/21 110 16 16 4.979.00 660.91 6,639.91 HCC Sleel Creek Jack Wade . (an(mapper) 16 150.00 60.641 16 27 Canyon Creek Watter's Forle 110 4,110,00 27 600,00 4,610.00 • • • • • Blagle Heventy Mile 4 -111d 16 40 40 3,654,09 4,979.03 9,633,12 1111 daok Wada-Oldekon 30 20 641.69 141 50 · · · · · · · ···· · · · · · · · · · · · · · Haaf Crook-Chuyon Crook Liberty Cablu Domo Dome-Ateol Crook Forty Mile-Franklin Forty Mile-Stacklin Forty Mile-Chicken 4 Franklin-Chicken 10 Demkin-Chicken 20 Blast Crook Chayon Orach 1111 205.00 - ħ h ***1577*****1*** 745 00 1111 10 -10 4,108,11 4,158.11 promonuola. the second second second second LÉE 12 12 E1,1 30 80,00 and a second second TEK 80.00 - 8 and a second second 1114 10 · · · · · · · · · · · · · 1114. Franklin Chleisen 20 11174 Prantom Chaesen 11M Jack Wade-Walker's Pork ... -18 18 11MM Jack Wade-Walkor's Fork 25 12A Mile 34 A. N. R. R. Hope, 45 25..... •••• 44,192.66 15 44,192.66 8,128.18 13 A 414 40,661,01 6,386.26 61.064.46 1.111.04 31/2 1313 23,261.612.856.744,068,80 30,187.05 ************ 13C 1,583.79 5,665.10 5,260.39 ••••• 2 12,409,28******** 13D 11/4 3,218,40 70.80 3,289.20 ******* ************* 13E14 555.44 68 30 623.74 ********* 13F51/2 11.636.85 9.863.15 12.210.7233.710.72*******

Chebe-Miller House Control House-Chebi Hot Springs 9 Control House-Dendwood Contral House-Deadwood Chatantka-Miller House 20% 60%

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Projec	Name of Route	Road	Road	Trait	Miles	and Alaska F.Y.1905-*20 F.	Y, (931-125 - 1	P. 37 (020 - 20	P. 1.1010 - 20	-	
NO. 17 A 17 B - 18	Name of Rone Lewis - Landing-Dishkaket Sulato-Dishkaket Nome Solomou		 	108 90 280	$108 \\ 90 \\ 280 \\ 240$	483.37 735.88 38.903.51	10,981.63	2,205.00 1,460,50	475.00	$\begin{array}{r} 483.37\\735.88\\52.565.44\\2.736.49\\114.00\end{array}$	ANNUAL
isA	Ronnena Kotzebue			240 36	115		44.00	70.00	342.72	312.72	
151 152 153 153 1944	Kaltag Jortage Survey Keen Creek Kalk Keph Ladke Kern Creek Mile 97 Mile 29 A. N. R. B	1		86 - 40 2	$\left(\begin{array}{c} 86\\ 40\\ 2\\ 7\\ 7\\ 7\\ \end{array} \right)$	26,820,88				26,820.88	REPORT
1945 1945 1946 20 A	Konai Lake-Mile 27 A.N.R. Korp: Creek-Indian Creek Alrdwood-Crow Creek Kulk-Susiba	1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	22 30 127	29 10 20 127	8,437.44 28,359.90	3,434.15 2,517.08	2,000.00		$\begin{array}{c} 3,434.15\ 8,437.44\ 32,876.98\ 16,436.46\end{array}$	UT ALA
2013 2003 	Rainy Pass Big River Dicherket Kaltor Opher Takobia		19	140 66 55	110 66 19 55	12,426,96 29,586,68	4,009,50 383,11 760,01	ار این میں اور		29,686,68 382,10 760,00	ISK.A
20131	Susitua-Mellougal			35 30	{ ³⁵ 30	19,665.21	•• •••••		and provide	19,665.21	RO.
 2042 2044 2014 2014 21 23 234 234 234 2344 234 2344 234 2344 234 2344 234 2344 	Anney-Susitive Apalatheet-Si, Michaels Hot Springa-Sullivan Cro Snowshoe-Beaver Beaver-Caro Big Creek Caro Pjat Creek	erek p 76	45	15 25 60 101 20 85	15) 25 60 9 101 75 20 45 85	4,946.71 31,064.19 5,805.81 23,419.22	$\begin{array}{c} 296.33\\ 552.00\\ 19,433.27\\ 4,166.61\\ 16,665.92\\ 626.6\\ 2,571.9\\ 8,389.9\end{array}$	1 450.00 5,524.18 1	1,005,00 2,680,00	$\begin{array}{c} 296.33\\ {\rm f}, 948.71\\ {\rm 51,626.64}\\ 12,641.46\\ 40,085.11\\ {\rm 626.64}\\ 3,571.95\\ 8,389.94 \end{array}$	AD COMMISS
2316 24 24 25 24 24 24 24 25 26 26 26 26 25 25 25 25 25 25 25 25 25 25 25 25 25	Chro Coliffort Mile 29 A.N.R.R. Moore Pross Lynx Creek-Six Mile Samise-Hope Cripple River Nome-Wircless Month Center Creek Submarine Physiceak		9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		39 7 9 12 1 1 2 3	43,837,13 ,,991,64 1,281,08 911,29 4,498,62 24,653,20	$\begin{array}{c} 3.400.2\\ 396.0\\ 186.0\\ 526.2\\ 86.0\\ 859.8\\ 1.643.3\\ 1.901.1\end{array}$	0 0 2,284,91 0 600,00 5 600,00 7 1,893,50	1 1 1	$\begin{array}{c} 47, 237, 34\\ 396, 00\\ 185, 00\\ 8, 804, 79\\ 1, 967, 98\\ 2, 974, 14\\ 7, 535, 89\\ 29, 745, 89\\ 29, 745, 89\end{array}$	ION.
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COMMISSION.

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194 294K	Allahoonets - Aforang Monator - Khaliy - Doordy					1,002,02	500.25			1,803.63	
16	Chaile Chadle Check						000,20	563,60 2,966,66	····· ·· ··	1,063.75	
26 A	Kugruk River Approach	17	• •		¢	24,646.03	11,444.64	(3,911.23)	4,026,95	2,966,66	
11611	Bear Creek Trait	• -	••••	45	1e ¹⁴		488.00	11111 A.L.A.		54.028.85 488.00	14
27 28	- Amering-Dinnehigk -	er.			45	21,151.02	0.100 Am			1000,000 C	
28A	Shelton-Candla Nome-Taylor			152	152	6.229.80	9,168.57 177.50	20,340.56	1,617.35	52,277.61	2
29	Fort Gibbons-Bettles		• • • • • •	135	135		1.497.20	$22.00 \\ 725.00$	2,965.83	9,395.18	.,,
29Λ	CALIFORNIA CHARLOOD		52%	166	156	9,166.76	2,111.48		855,00	3,077.20 11,278.24	Ľ
2913	unissance		02.72	·····	52 <i>1</i> <u>6</u>		2,817.25	••••••	2,000,00	4,817.25	R
30	Hot Springs Landing-Russian a	4		1.1.1.1	24		2,397,25		1	2,397.25	۲ ۲
31. 32A	S ACTION A TRANK		46	· · ·	-16	20,917.52	13,169,03	1,713,71	3,967,09	39,767.35	PO
33AA	Takofna-Flat (summer)			95	95	8,880,91 5,606,39	2,919,81	540,00		12.340.72	R
32A B	44 (199) 4 4 6 7 1 2 1 5 4 10 10 1 4 10 10 10 10 10		•••••	93	93	0,000.40	2,505,75	***********	••••••••	8,112.14	μ,
32A C				7	7	**********	10,00	************	************	40.00	سل
3211	111111111111111111111111111111111111111	ø	*****	12	12	********	1.141.20	****************		10.00	Ê
32C	Ophir-Ritarod (winter)		*****	7745	_8	20.061.92	20,286.70	2,900,00	12,098,31	$\frac{1}{5}$,141.20 $\frac{5}{5}$,346.93	i.
32D	PRIVALIONGOL CROOK	• •••		79 62	79 62	5,000,00	1,130,10	100,00		6,230,10	ŝ
32DD 33A	P 10 U 20 (010) (010) (010)			65	65	· · · · · · · · · · · · · · · · · · ·	1,280,00	200,00		1,480,00	КA
3313	Otter Creek Towpath			22	22	448,23	150,00		·	160-00	ilin
3201		;			ĩ	1,447.66	 C00.00			448,23	벙
3345	Tend Phil Creek-Willow	•			ů.		600,00	·· ·· • •···	1.11 A. 1.1 A.	5,047.66	0
	Creak	1½						***********	·• ·· ·· ·	600,00	2.
3310	Willow Creek-Chielen chamber i	•	•••••		4 1/2	**************	450,00		•••••	460.00	Ð
3346	waa city-Offer Disenvoev 4	, .	•••••	• ••••	3		10.00		*****	10,00	Ô
3343	v nuone – Lanahag-Chudle	••••					300,00	·····	11,086,08	11,386.08	0
31	Creek Hiltarod-Dishkaket	1			. 9	•					соммі
31A	Plat - Anylk		30	6S	98	1,830,98	• • ••••••	1. A 1. A 1.	6,672.00	6,572.00	×
34	Kutk-Willow Creek			80	80		175,00	· · · · ·	1 A.	4,830,98	11
34A	A start start of the start of t	.t.,			1.1	67,823,34	21,893,44		1	176.00 89.716.75	<u>(1)</u>
3613	Mile 26% Palmer 8	1.			6 6	3,267.26	32,459,09		a station a	24.526.34	10
3513	470 OBSY Matainalor Bleve i	1.		· · · ·	8)u 195	11,015,48	6,723,04	******	867.08	17.004.60	~
3013 3040	Willow Creek [Gylension 44				11 22	26,312.58	7,152.10	a second second	1.014.41	33,479,69	
31.12	Wazdin Pishhook Wanilla-Knik				16		63,837,14 23,057,06			53,837,14	
34 1	Distance Manufactory 10		14 ¹		15	*************	20,898,42	41.4 . · · · · · · · · · · · · · · · · · ·	9.17 00	23,057,06	
	a autoor springor an parameter 3	••••	••••		3			***************	345,00 2,073,32	21,243,42) - ••
								• ALC: 1.044 ALC	10,11 (d) (d2	2.073.32	40

		A STATE OF A								see a state of the second s	• ·	1	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	Sub- Projec	i i i i i i i i i i i i i i i i i i i	Wagon Road	Sleti	EAGE Trail	Total Miles		and Alask Y.1905-'20 F	a Fund Y.1921-'25	Contributed Funds F.Y.1920-"25	FULLINS	GRAND TOTAL	
	No.	Name of Route											م تر
							•		- F			97 PEF 41	7
		Wasilla-Finger Lake-	• •			12			2,398.68		22.057.23	25,655.91 2,267.59	Z
		Palmer	12	*******		Ğ			500.00		1,267.69	7.027.47	-d
	351.	Moose-Palmer	6	******	•••••	. 8.		******	3,286.91		2,540,56	22,469.13	AL
	35.1	Wasilla-Matanuska	8			8			537.67		21,331.46	5,238.53	E.
	35K	Matanuska Trunk Road			********	61/2					5,238:53	940.32	_
	3517	Palmer-Matanuska		-30		30		*****			940, 32	240.00	RE
	HG N	Houston-Willow Creek	1.11	- 6		G			210.00)	2,218,62	2,218.62	en V
	360	Fishhook-Goldmini	···· · · .			6					1,629,69	1,629.69	č
	3512	DIGIGAL COLORING COLORIS				14		*********	*************		400,00	400,00	ÓR
	350	Billund Road				泛					24,347.37	33,302.56	Ģ
	3511	Bogard Road			11/2	8		2,208,29	5,146.90		3.081.94	3,081,91	
	36	Valdez-Mineral Creek	.,, 65g 6			5			**********		3,373.16	3,373,16	ΥΥ
	36 A	dramby Rosil	14			14		*******	84- 4+###1## ··		7.735.85	7,735,85	
1	34613	South 2d St. Cordova	14								6:14.76	624,75	30
	3601	Byrck Linkes Routh		- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		2000 N		51.51.1808 - 1835	**************************************		616.91	646.91	Ř
	361)	Valdez-Quartz Creek						****	. Free constraints and the second se second second sec		3, 157, 25	3.467 25	14
	1615	Valdez-Glaefer					•					1,026,56	MAN N
	3612	Shoups Bay			154	154		816.56	210.0			192, 161, 50	Ħ
	37	Topkok-Candle				30		167,182.09	21.154.8			9.823.58	õ
	38A	Ruby-Long Creek			47	47		4,192.66	5,630.9			1,701.25	5
	3814	Pomman-Chipple			47	47		699.00	1.002.2			152,442,40	÷
	38C	Ophir-Cripple	16	*******		16			111.017.4			32,282.12	-
	38 D	Ophir-Takotna	4			4		******	31,792 100.0			110,00	<u>c</u>
	3819	Long-Poorman (summer) Long-Poorman (whiter)		29		. 29					1248 124243 1213	22,322.69	117300
	381919	- Long-Poorman (Winter) Gramaraete Poorman						**************	919.4			919.47	Ð
		Роочнан-Орнія (янныеч)		1. 905 0	125	126		******	8,374.6			8,374,68	E .
	3814	Takotna-Lapding	11/			1%		** : **************					12
	. 184	Physic Dredge Rond				- R/A			14114413494				ΰ/s
	3811	Ganes Creek Andres Cre			1.1.1.1	Б.,			· · · · · · · · · · · · · · · · · · ·			45,929,40	0
	381		**			3		44.805.06	4,124,3			14,007,50	ž
	39					2		13,445.12	311.3	18 201.00	,		
	40	Douglas-Castineau. Chan								15.00)	25,00	
	40Λ	Hawk Infet Trail			********				10.0			3,065.77	
	·				12	12		2,772.13	293. (427.2			1,627.50	
	44.5				200	200		**************	23.0			48.00	
	41 A				500	500		- 000 00	393.0			1,840.30	
	41113				70	70		1,282.30	0000	100101		,	
	42	St. Michael-Louis											

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	and a long to the line of the		ŀ	t:	8,171,65		1,500,00	13.794.58	23.466.23	
i 	$= \frac{1}{2} \left[\frac{1}{2}$				10,303,30			821.53	11 124.83	
U 1	- There was a share year of the second se		3	3		10,948,24	2,963,75		13,911,99	
la la	- Jalver Bow Borta 4.			4	18.054.27	2,615,03	2,796.91		23,466.21	
16	Kola Bureka	95		114	4,671,63	10.384.63	ada di bi tradici		14,956,15	
46.A	Roosevelt Kantichna 34			34		47,612.29	12,370.51	1,655,03	61,637,83	
1613			85	85		12,252.86	483.07	•		2-
1615				43	********	2,264.20			12,735,93	1
	Nenami Kalihtii Roadhouno Meiklaley Park Road — 40		77	87	5 - 14 - 11 - 18 - 18 - 18 - 18 - 18 - 18		a a	the second	2,264,20	- 2
461)		1			1111111111111	92 846.06	10 0 0 0 0 0 0 0	700,25	93.646.31	- C
4610	Diamond-Pelida		90	90	***************************************	7,663,62	*	************	7,663.62	مدنا
1616	Nenana Cemetery			2%	************	2,818,63	1,000,00	·····	3,818,63	AL
4601	Kobi-Bonnifield	45	••••	45		5,706.61	****		6.706.61	
47	Coldfoot-Wiseman	11	···· it	11	5,000.00	3,359.37	****	2,000.00	10,359.37	я
48	Hianna Bay-Hianma Lake		12	12	7,137.77	9,639.78			16,777.65	Ξ
49	Davidson's Landing-Taylor, 24	16		40	5,911.46	2.411.79	6,577,00		14,900,26	Ρđ
60	Stikine River and a second		(4)	10	2,256.76	·····	····		2,256.76	0
61 .	- Palkeetaa (Mebes Creek	20		43 😼	4,889,02	122,602,38	81,109.36	···· ·	208,600,76	72
61A	Chebe Creok Trall Constant of		20	20	*************	1,430,90	300,00		1,730,90	H.
6113	Peters Creek Trall		10	10	· · · · · · · · · · · · · · · · · · ·	5,398,89	1,000,00		6,398,89	
1. 1.	Upper Ventua									4
	Reconnalssance				······	901.26			901,26	Г
52	Retchikan-Ward's Cove				6.801.98		19.318.44		26.120.42	S.
52A	Ketchikan-Charcoal Point							15,500,48	15,500,48	ž
52	Eagle-Circle		160	160	206.00	1,109,45			1,315.45	1
53 A	Circle-10, Yukon		67	67		4,166,57			4,166,57	المسكو
64	Chisana-Nizina		78	78	3,849,11		**	3,208,00	7.057.11	R
33	Kenni-Russian River	60		60	301.30	8,059,11	100,00	359,25	8,819,66	õ
56	Tashuna Trall		111	114	1.058,14				1,058,14	ملا
56A	Katalla-Yakataga	*** 1 4	60	60	,	*********				5
6613		••••			********		And the second second	7,752,56	7,752,56	Q
67					10 APR 10	63,266,12	· ····		89.543.78	. 0
67 A				9	26,277.66	102,941,80	25,000,00	38,268,20	166,210,00	́ О
	Nizinn River Bridge		· · · ••	•••					63.50	OMMISS
68	Hyder-Salmon River	1.11.11			63.60	PL 000 - 2 P	•.•••			
59	Fairbanks Bridge and a man		· · · · · • •		54,829.60	7,370.55	••••••		62,200,15	11
59A.	Fairbanks Depot			······	**********	9,253.91			9,253.91	\$
60	Valdez Dyke			·····	56,065,98		821, 85	·····	56,887.83	<u> </u>
61	Streibu Kuskulann 12%			1256	5,086,13	1,754,16	500,00	9.080.42	16,420.71	010
GEA	Kolshu Recombiannee		· · ·	•		475.03			476.93	2
6113	Nugget Cecele Extendon - 6			6	•••••			and a second		
644 1	Rilliot - Kotaina					· · · · · · · · · · · · ·		6,833,42	6,833.42	
611)	Chiting Copper River				1.111.1.1	1		25,00	26,00	
62	Dinie Creek,			<u> </u>	(**************************************	23,471,10	19,042.59	29,609.09	72,022.78	•
63	Dunbar-Brooks	63		63		6,674.86	5.042.34	2,358,38	12.976.57	13
63 A	Brooks-Terminal			13	8,979.91			4,817,41	13,797.32	ت: سر

Sub Profe No.		Shed	BACIS Trail	Total Miles	Federal Appre and Alaska F.Y.1905-*20 P,	i Fund	Funds	Funds	GRAND TOTAL
6313	Broaks-Amy Creek 4			4		610.00 9.386.30		$30,433.31 \\ 6,425,00$	$\frac{31,043,34}{15,811,30}$
4.34	prooks Tran 13		i	13	*********	100.00	· · · · · · · · · · · · · · · · · · ·	0,120,007	100,00
64	chipple newly bouding		60	60	· · · ·	442.00			443.00
64A	Cripple Crapple Mountain		12	12	a construction of the second s	37,216.81			37,216.84
65Λ	Gullana, Chistochena 4		36 40	40		109.60		149.00	258.10
6643	Chialochena State Creek	1 - A	40	40	المتعقبية	110.01			
6603	Cheatena Tanann Creataig		140	140		p2, 20			93 20
661)	Keehmiidak Taraan			60		716.82			715.82
	 Chanceptoliaayt 		60	28		1,372.00			1,372,00
6649	chicken-Kechumatuk		28	113		1,000.00			1,000,00
65 M	drundlee-Tanana Crossing		113	38	353.76	1,		914.55	1,268,30
66	Matanuska-Chickstoon		38	80		956,94	1,980,00	150,00	3,086,94
6	Nome-Teller	· · ·	80	017 -	a	144314, 1411	1,0100,000		
67A	Teller-Cape [Prince of		142	142		651.14	1,610,00		2,261,11
	Waten		18	18	and a second	364.46	500,00		¥64.46
6713	Peller Blientone		· 40	10		810.00	1,690,00		2,400,00
670	Teller-Mary's Estoo		712	713	40,927,29	16,483.07	9,834 53	12.069.53	79,814,42
68	Playging Trails in momentary				4 689.80			A 4.44 .4	4,689,80
69 -	Gastinena Chamet Bridge	****			4,002.00		***********		
70	Mise, Surveys and				3,338.06	•			3,338.06
<i></i>	Reconnaissances		*******			*****	**********		18,757,78
: 71	Trucks	*******	*******	1/	18,757.78	2,964.97	2,000,00		4,964,97
72	Wrangell Oil Dock Man			1/4				8,639.22	8,639,22
72A	Wrangell Cemelery Road			4 1/4	5,047,75	775.26	620.76	11,685,90	18.029.65
73	Marshall Rout in our on 44		100	190		990,60	200,00		1,190,00
73 A	Kotine Magginthe same as a second of the			11		915.00	745.00		1,660,00
7313	Stuyabolt is a second as a second	, i 11.	89	89	*********	53.45	700,00		753.46
- 7.iC	Old Hamilton Scammon Hay		64	14 16	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	64,091.06	1,694,85	564,57	59,350.48
76	- Anchorage Eagle River 144	1.11.11	. •		1. (1990) - A.		• • •	8,440,23	8,440,23
76A	Anchorage-Eake Spenard 4		20. state	4			50,00	5.041.86	· 6,123.16
7613	Anghorage-Whitney			4		32,30		682.82	1.82.82
750	Chester Creek Bont Landburg 1				4.12.2014412411				4,343,34
251)	Anchorage Warehouse	*******			**************	4,363.34	**********	****	500.00
7516	MeDonald Road	**	· • • • • • • • •	11/2		200,00	300.00	1,023.46	1,023.36
760	East 1 St. Anchorage		*****		*************	1 10 1 E 43	*******		6.371.59
76	Cantwell-Valdez Creek	66		46	************	6,371.59	17561-750		631.50
77	Shelton Ferries		*******		*********	531.50	100.00	÷•••	(rer 1 + 6) (r
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	The second se					507-14	600.00	723-14	2,140-25	
i hu				· ·	-	414.66	190,00	216.00	430.65	
						4,133,46			4,133,16	
						3,890,90		****		
19	Seward Depot Kuskokwim Reconnatssance				**********	60.00	•••••	******	3,890,90	
80			5	·····		184.87	*************	********	60,00	
80A	Methatli-Takotna (summer)		18	5	*********				184.87	b.
SOAA	McGrath-Takotna (winter)	*******		18	************	681.00	*********	332.00	1,013.00	E.
8014	McGrath-Telida	*******	94	34	***********	8,887.92	***********	***********	8,887.92	- Ž
NOC	McGrath-Caudle Creek		11	11	***********	215.00	····· ···· ····	*****	215,00	â
801)	Nixona Fork-Nixona Mine	· · · · · · · · ·	37	37		**** *****		2,348,00	2,348,00	2
\mathbf{sold}	Takoina-Twin Peaks			100 A. 100 A.				· .		
	(proposed)		*******	•••••		80,00	·····	••••	80,00	Ľ
8010	Berry Landing-Nixon Mine., 12	*******		12		150.00			150.00	R
804	Takotna-Nixons Fork									E.
	(summer)		15 1/2	151/2	************	450.00			450.00	EPO
80GG	Takotna-Nixon Fork	141/2	********	141%		75.00	************	***************	75,00	്
81	Good Creek-Salmon River 11/2	*******		11/2		1,675.87	3,335.00	**********	5.010.87	H
82	Taku River		********	3		899.21		19,309,74	20,208,95	RT
83	Talkeetna-Iron Creek									
	Recontraisource				******	921.26	••• •	153,77	1.075.03	ŢĘ
86	Fourth of July Creek 5	5		10		3,036.27			3.036.27	- H
87	Woodehopper Creek		8	8		872,00			872,00	ملأ
88	Ferry-Ryn Creek	5 1/2		11 1/2		8,554,10			8,554,10	C.
89	Kougarok-Reconnaissance				*****	4.312.11			4,312.11	х
89A	Seward Peninsula Railroad 87			87	*****	66,171.97		24.014.00	90,185,97	سال
90A	Shelter Cabins, 1st Division					-	340.35	•	340.35	<u> </u>
2013	Shelter Cabins, 2d Division						7.887.25	5,007.69	12.894.94	R
90C	Shelter Cabins, 2d Division						6.724.75	1.097.47	7.822.22	0
9010	Shelter Cabins, 4th Division	*******					11.707.90	2.007.00	13.714.90	AD
91		****	11/2	11/	:	43.73	6.82		50,55	0
92A			90	11/ 2		797.50	1,000,00	**********	1.797.59	0
9211	Refret-Quinfingak	11.11		26		482.98	725.00	· · · · · ·		õ
930	Bethel-Aktak		26		· · · · · · · · · · · · · · · · · · ·		800.00	• • •	£,207.98	- <u>1</u> -
	Akink-Russian Miaslou	1.1	75	76	s analises in	784.00			1,584,00	MMIS
921)	Bennett's Cutoff		18	18		196.00	200,00	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	196,00	É
9246	Yukon-Kuskokwim Portuge	*** **	120	120	*******	400.00	100.00	*******	600.00	3
92F	Quinhagak-Goodnews Bay		60	60	***************	1,659.32	768.45	*******	2,417.77	SION
9261	Goodnews-Togial		53	63	*************	1,233.33	970,00		2,203.33	5
9211	Toglak-Nushagak	• - • • • • •	125	125	••••••	2.448.47	1,400,00	·····	3,848,47	シー
924	- Lewis Point-Nalmek	•••••	86	86		1,772.34	860,00		2,632.34	
92.1	Naknek-Egelik		60	50	*************	1,365,00	740.00	····	2,105,00	
921.	Napaimut-Aniak		26	26	·	510.00	310,00	******	820.00	
93M	Antak-Pulakaak a a a aa aa a		60	60		1,394.96	1,120.00	••••	2,514.96	
92 N	Aklick-Canyon Creek		46	45				****		6.6
93	Chulling Trail		3	3	************	4,409.26	3,000,00	877.17	8,286,43	() ()

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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	No	Natu	e of Rou	141	11	02111	Road	Trail	-W1108	19, 11, 1900 - 20	r (P. Y. 1921 - 20	1,1,1,1,1,1,1,1,1,1		
21 Kollask Molectorof Labe 8% 0 8% 28,296,80 28,296,80 25 Konatak Recherof Labe 8% 6% 8% <td< td=""><td></td><td>Indian R</td><td>iver Bi</td><td></td><td></td><td></td><td></td><td>ન</td><td>4 ·</td><td>· · · ·</td><td></td><td></td><td>1,598.81</td><td>200.00</td></td<>		Indian R	iver Bi					ન	4 ·	· · · ·			1,598.81	200.00
91 Chrokatobi-KU01 KU21 072 072 413.80 413.80 93 Suntrana Fonlbridge 2,826.92 2,826.92 2,826.92 100 Office and General 2,826.92 2,826.92 101 Deritorial General	105	Kanatak	Bechor		••	$\mathbf{S}^{\mathbf{a}_{\mathbf{a}}^{*}}$	e 1 -	b			28,296,80)		28,296.80
Top Office and General 267,475.98 146,969.78 777.71 405.223.47 Jui Territoriat General	97	Sundrana	. Poolb	ridise	1 1		,		·		443,80)	an a	443.80
Jul "Periforial General Overheid 71,166.31 71,166.31 71,166.31 "POPALS 165914 1180% 804314 10883% \$5,213,072,36 \$3,698,642.61 \$590,132.45 \$827,992.13* \$10,329,839.65* Dadact Mileage transferred, re- classified or abundoned 1871/4 \$4 \$661/2 \$1147%		Office at	al Gen	ent									*********	405,223.47
Deduct Milerore transferred, re- classified or abandoned 1871/ 94 86612 114734	joj	Territori	al Gene	rat						· · · · · · · · · · · · · · · · · · ·	. ,		71,166,31	71,166.31
etassified or abrandomed 1874/ 94 86615 1147%								0/11/01/	 Construction of the second seco		*** *** * *** **	95.00 109 45	\$827 992 13*	\$10,329,839,55**
Net Total		4 04	ALS		U	同長。	1180%	- 라브막리 (월,	1080331	وفايت والتربية فالتربية	ុ គុត,ចនុត,មោះ,ចា	44.00,105-30	41101111102110	1
and the second secon	Doduši	 Milera; 	e tran	merred.	Pet +					- \$6,214,012,40	- \$4,028,612,01	фиру, Гажачи		
	jaduð	i Milerag etrustifies	e tran d or a)	nterred. Windowe	120- d 11	87.5	94	86615	1147班 ·	- \$8,214,072,00	- \$4,625,642,01	фияля, I сяже ай	41101111121111	
	*Inely	i Milerag etrustifies	e tran d or a) Total , 239:64	nferred, windoue , store expende	a 14 	87 % 72 % Terr	94 1086 % itoriat	86615 7177 Division	114734 9736 Coni-	**Total 193 routes Alask	. ı	r Construct y abandoneo unission\$	tion and M 1 ure: 190,968.57	antenance of
Total	*Inely	i Mileog christifie Nel uden \$684 mussioners	e tran d or a) Total , 239:64	nferred, windoue , store expende	a 14 	87 % 72 % Terr	94 1086% itoriat	86615 7177 Division	114734 9736 Coni-	**Total 185 route Alask Territ	spenditure fo s subsequent a Road Con lory of Ala	r Construc y abandonee mission\$1 ska	tion and M 1 are: 190,968.57 45,093.63 236.052.20 wh	aintenance of len is 2.3% of
Total \$236,062,20 which is 2,3% of Total Expenditure.	*Inely	i Mileog christifie Nel uden \$684 mussioners	e tran d or a) Total , 239:64	nferred, windoue , store expende	a 14 	87 % 72 % Terr	94 1086% itoriat	86615 7177 Division	114734 9736 Coni-	**Total 185 route Alask Territ	spenditure fo s subsequent a Road Con lory of Ala	r Construc y abandonee mission\$1 ska	tion and M 1 are: 190,968.57 45,093.63 236.052.20 wh	aintenance of len is 2.3% of

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REMARKS ON SUB-PROJECTS.

Project No. 1: Turned over to Department of Asticulture July 1, 1920. The funds of the Department of Asticulture are limited to projects in the Tongass and Chugach National Forests. This releases Alaska Radi Commission funds for use in other parts of the Territory.

Project No. 2: Turned over to Department of Agriculture May 1, 1922. Routes 5C and 2D are subdivisions of this route and mileene is shown under these routes.

Project No. 2A: Turned over to Department of Agriculture July 1, 1920.

Project No. 2B: Turned over to Department of Agriculture May 1, 1922.

Project No. 20: A subdivision of Route 2. Turned over to Department of Agriculture May 1, 1822.

Project No. 2D: A subdivision of Route 2. Turned over to Expartment of Agriculture May 1, 1922.

Project No. 2E: Last extenditure by the Territory 1919,

Project No. 27: Last expenditure by the Territory 1915.

Project No. 2G: Last expenditure by the Territory 1920.

Project No. 3: Subdivided in 1921 into Routes 3A and 3C and mileage shown unler latter routes.

Project No. 34: Subdivision Route 2.

Project No. 33: A new project on porch bank of Klebini Biver.

Project No. 3C: Subdivision Rouse 8.

Project No. 35: Last expenditure by the Territory in 1920.

Project No. 37: Last expenditure by the Territory in 1913. We credit for milesge taken. May later be rehabilitated.

Project No. 4A: Abandoned. No need exists for this routethe discontinuance of winter travel via the Delta River the Last expenditure 1922.

Project No. 44A: Abandoned. Last expenditure by the Ter-

Project No. 48: Subdivided in 1821 into routes 4BA and 4B8: - - - Shiwa lider idner course.

Project No. 48A: Subdivision of Route 4B.

3.8

Project No. 455: Subdivision of Route 4B.

Project No. 4H: Subdivided in 1922 into routes 4H1 and 4H2 and mileage shown under latter routes.

Project No. 481: Subdivision Route 4H.

Project No. 4H2: Subdivision Route 4H.

Project No. 5: The portion from Ester to Dunbar 27 miles . Etacioned 1922 files completion of government railroad.

Project No. 5A: Part of Route 5 still maintained.

Project No. 7: Subdivided after 1920 into Routes 7G, 7I and 7C. Mileage shiwm under latter routes.

Project No. 7A3: Abandoned. Last expenditure by Territory 1920.

Project No. 788: Abandoned. Last expenditure by Territory 1920.

Project No. 7E: Abandoned. Last expenditure by Territory 1920.

Project No. 7F2. Abandoned. Last expenditure by Territory 1920.

Project No. 71A: Abandoned. Last expenditure by Territory 1920.

Project No. 7U: Included in Route 7D after 1923.

Project No. 72: Under this heading expenditures by the Territory prior to 1917 on all Fairbanks local roads are carried.

Project No. 3A: Included in Route 8 after 1923.

Project No. 23: Included in Route 8 after 2923.

Project No. 20: Included in Route 8 after 1923.

Project No. 36: Included in Route 8 after 1523.

Project No. [6: 15 miles turned over to Department of Agriculture in 1929; balance on May 1, 1922.

Project No. 10A: Turned over to Navy Department 1920.

Project No. 2A: Section Mile 34 to Lynx Creek abandoned in favor of Route 13: remainder carried as Route 24A and 24B. Mileage shown hereinder only that abandoned.

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Project No. 13D:	Ata-doned.	Last expenditure	1919.
Project No. 13E:	Abandoned.	Last expenditure	1921.
Project No. 13G:	Abandoned.	Last expenditure	1919.
Project No. 13H:	Abandoned.	Last expenditure	1921.
Project No. 131:	Abandoned.	Last expenditure	
Project No. 13J:	Abandoned.	Last expenditure	1920.
Project No. 14:	Turned over	to Depariment	of Agricu

Project No. 14: Turned over to Department of Agriculture May 1, 1922.

Project No. 158: Last expenditure by Territory 1920.

Project No. 17A: Abandoned. Last expenditure 1912.

Project No. 178: Abandoned. Last expenditure 1514.

Project No. 19: Last expenditure 1917. Abandoned after completion of government rairoad.

Project No. 19A: Same as Route 19.

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Project No. 198: Same as Route 19. ...

Project No. 19C: Same as Route 19.

Project No. 19D: "Same as Route 19.

Project No. 19E: Turned over to Department of Agriculture May 1, 1922.

Project No. 20A: Abandoned in favor of shorter route after government railroad completed. Last expenditure 1915.

Project No. 20D: Abandoned. This route originally carried as Takotna-Kaltag and the greater part of expenditures here shown were on the section Takotna to Ophir which is now carried as 35D.

Project No. 20E: Alandoned in favor of shorter route after completion of the railroad. Last expenditure 1917.

Project No. 20F: Same as Route 20E.

Project No. 20G: Same as Route 20E.

Project No. 24: Turned over to Department of Agriculture May 1, 1922.

Project No. 24A: Turned over to Department of Agriculture May 1, 1922.

Project No. 24B: Turned over to Department of Agriculture May 1, 2022.

Project No. 25A: Abandoned.

Project No. 258: Abandoned.

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Project No. 25H: Abandoned. Last expenditure 1914.

Project No. 251: Expenditures after 1928 carried under Route

Project No. 33A: Abandoned. Last expenditure 1911.

Project No. 33B: Abandoned in favor of Route SSF.

Project No. 34: Abandoned. Last expenditure 1913.

Project No. 35: Subdivided after 1921 into Routes 25D, E, and F, and mileage shown under these routes.

Project No. 35D: Subdivision of Route 35.

Project No. 352; Subdivision of Route 35.

Project No. 35F: Subdivision of Route 35.

Project No. 35P: Abandoned after completion of branch railroad. Last expenditure 1923.

Project No. 360: Taken over by the Department of Agriculture from the Territory. Last expenditure by the Territory in 1919.

Project No. 36D: Last expenditure by the Territory in 1920.

Project No. 35E: Last expenditure by the Territory in 1919.

Project No. 36F: Last expenditure by the Tenningry in 1939. Project No. 38EEE: Abandoned. Last expenditure by the Tenvitory in 1920.

Project No. 39: Turned over to the Department 11 Agriculture May 1, 1922.

Project No. 42: Turned over to the Department of Agriculture May 710 1922.

- Project No. 44: Turned over to the Departmentani Agriculture May 1, 1922.

Project No. 43: Turned over to the Department of Agriculture Mappin, 1922.

Project No. 50: Corned over to the Department of Agriculture 19 pt 1 1922.

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Project No. 52: Turned over to the Department of Agriculture in 1920.

Project No. 52A: Last expenditure by the Territory in 1916.

Project No. 55: The part of this route from Russian River to Kenai Lake transferred to the Department of Agriculture in 1920.

Project No. 56: Abandoned since the construction of the Copper River Railroad. Last expenditure in 1907.

Project No. 55B: Taken over by the Department of Asticulture from the Territory. Last expenditure by the Territory in 1919.

Project No. 57: Expenditure includes \$25.094.71 for bridge over Nizina River erected 1914 which was later destroyed by floods.

Project No. 57A: The amount of \$38,268.20 under supervised funds expended by the Territory of Alaska for bridge over Nizina. River erected 1918, which was later destroyed by floods.

Project No. 58: Turned over to the Department of Agriculture in 1920.

Project No. 61C: Abandoned. Last expenditure by the Territory in 1919.

Project No. 63A: Abandoned since the purchase by the Territory of the Tolovana Tram.

Project No. 54: Ahandoned. Last expenditure 1922.

Project No. 66: Abandoned since the completion of the Matanuska Branch Railroad. Last expenditure 1917.

Project No. 69: Expenditure for surveys and plans. Project not undertaken.

Project No. 71: Expenditure for motor equipment prior to 1920. Since that date all expenditures for equipment have been charged against routes.

Project No. 72: Turned over to Department of Agriculture May 1. 1922.

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Project No. 72A: Last expenditure, by the Territory in 1918.

Project No. 75G: Last expenditure by the Territory in 1920.

Project No. 77: Expenditures after 1923 carried under Route A.

Project No. 77A: Expenditures after 1923 carried under Route which feiry is located.

Project No. 77B: Expenditures after 1928 carried under route on which bridge is located.

Project No. 80E: Expenditure for investigation.

Project No. 82: Turned over to Department of Agriculture May 1, 1922.

Project No. 91: Turned over to Department of Agriculture Mr.y 1, 1922.

Project No. 101: This item includes Divisional Chairman's salary and other expenses, prior to 1921 at which time the Alaska Road Commission assumed all overhead expenses. Since 1921 only chairman's bonds and pay of elected Divisional Commissioners carried under this item.

COST OF MAINTENANCE.

The annual cost of maintenance of routes in Alaska varies considerably with the locality, the range of climate being greater than that of the United States, and the cost of labor varying greatly. The experience of this Commission indicates that for all Alaska proper, average maintenance costs, including a fair allowance for floods, etc., are about as indicated in table following:

Classification	Mileage	Annual Maintenance per mile	Total
Wagor Roads	1, 1724, 1, 0563, 6, 165 712	.83000 25 10 2	\$ (11,675.60 27,185.75 64,650.00 2,136.00
Totals	9.788	\$56,05	\$335,639.75

The above does not provide for any improvements or extensions. The intermediate, or interior, sections of many of the through routes need improvement to the same standard as the rest so that the entire route may be used throughout by the same traffic without the necessity of breaking loads. A certain amount of new work on extensions must be provided for each year to keep pace with developments. This has only been possible up to the present time at the expense of needed maintenance work.

INSPECTION.

The magnitude of the task and extent of recritory covered by the wide finng activities of this Commission may be realized; from the fact that it would take two years of continueus traveling with the best facilities available for a single individual to make a complete inspection of the entire unileage for which the Commission is responsible.

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Actually the President and Engineer Officer spend about 50% of their time in the field. They have visited every district and have inspected most of the sub-projects a number of times. The Secretary and Disbursing Officer has been engaged in overhauling the property, accounts and office methods and has made a tour of inspection of the district offices to standardize methods and accounts.

FEDERAL AID,

The provisions of the Federal Aid Road Acts do not apply to the Territory of Alaska. The original Federal Aid Road Act was approved July 11, 1916, and was amended by the Act aptrived February 28, 1919. The Federal Highway Act of Novemter 9, 1921, as supplemented and amended, is now the basic law everyning federal aid road work.

The extension of the Federal Aid Road Acts to Alaska has $b \rightarrow n$ proposed. In view of the fact that nearly 12 years before the federal aid idea was adopted, the Alaska Road Commission, had been created by Congress in 1905 to meet the special conditions in Alaska, had the work well in hand; and in view of the finitier fact that the theory, specifications, methods, etc., of the finitier fact that the theory, specifications in the Territory. Confiers has instead increased the powers and appropriations of the Alaska Road Commission.

DEPARTMENT OF AGRICULTURE,

While the provisions of the Federal Aid Road Acts do not (11) to the Territory, the provisions of the same acts relating 2 ads in the National Forests do apply to the Tongass and 14Ath National Forests which constitute about 5% of the area 14Ath National Forests which constitute about 5% of the area 14Ath National Forests which constitute about 5% of the area 14Ath National Forests which constitute about 5% of the area 14Ath National Forests which constitute about 5% of the area 14Ath National Forests which constitute about 5% of the area 14Ath National Forests which constitute about 5% of the area 14Ath National Forests which Constitute about 5% of the area 14Ath National Forests which cooperative Road Act 14Ath Provide the Acts of 1916 and 1919 stood 14.11 the passage of the Territorial Cooperative Road Act 14.12 the passage of the Territorial Cooperative Road Act 14.13 the passage of the Territorial Cooperative Road Act 14.14 April 21, 1919 (Chapt. 11, Session Laws of 1919). The 14.14 the secretary of Agriculture, represented locally by 15.15 Forest Service. In addition to the cooperative funds, 15.15 the expenditure of which cooperation is not mandatory.

Will July 1, 1920, the President of the Alaska Road Commisied as the representative of the Department of Agriculture derivised the performance of work and the expenditure of derative funds within the National Porests, as all proterative former projects of this Commission. Until May 1, 1922. Multiplication of the projects of the projects.

in the National Forests already under construction under the Alaska Road Commission. The latter, therefore, continued to allot part of its own funds to these projects under a tripartite agreement to which the Territory, the Forest Service, and the Alaska Road Commission subscribed.

Since July 1, 1920, the Department of Agriculture has maintained a separate road building organization, the Bureau of Public Roads, in the Territory. Since May 1, 1922, it has assumed responsibility for all projects within or partly within the National Forests. To these projects the Territory contributes part of its funds under such cooperative agreements as may be required. The funds of the Alaska Road Commission, heretofore allotted to these projects, are thereby released for expenditure in the other 95% of the Territory.

The National Forests both lie along the sea-coast; the Tongass National Forest including most of Southeastern Alaska, the Chugach Forest including the Prince William Sound region, the shoreline of Kenai Peninsula, and the east shore of Cook Inlet. Due to the rugged character of these sections of the Territory and to the excellent system of sheltered waterways, the main transportation will always be by water. Most of the projects in the National Forests, therefore, consist of short recreational roads in the neighborhood of the principal towns, or from minor ports to agritultural or mining districts lying in the immediate hinterland. In general they do not the into the main overland transportation system of the Territory.

TERRITORIAL ROAD LEGISLATION.

For a resume of territorial road legislation, see Part II, Annual Report for 1924, beginning on page 17.

The following Territorial funds have been appropriated and expended to March 31, 1925;

1915-1924 Forest Revenues	189.678.48
April 39, 1917 Shelter Cabins	26,000,00
May 5, 1917 Roads, Bridges, Trails and Ferries	499.099.00
May 3, 1917 Nizina Bridge	25,000.00
May 1, 1919 Shelter Cabins	5 000.00 .
May 1, 1919 Roads, etc.	375,600,60
May 5, 1921 Nizina River Bridge	25.090.09
May 5, 1921 Sewards Peninsula Rullway	24.014.00
May 7, 1921. Sheiter Cabins	10.000.00
May 7, 1921 Roads, etc.	240,000.96
May 3, 1928 Toloyana Tram	-6,425.00
May 4, 1923 Foads, etc.	24e,000,90
May 4, 1933 Shelter Cabina	15,000,00
May 5, 1923 Kaltag Portage Survey	312.72
Table wavecompleted to Usech 21 ± 0.05 ± 1	515 120 24

Total appropriated to March 31, 1925\$1,575,430,20

Appropriations:

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23

Expenditures:

Expended by Territory From to April 1, 1921
Total expension to March 31, 1925
Total

The 1925 session of the Territorial Legislature passed the folliving acts in further support of the cooperative activities of the Territorial Board and this Commission for the biconium ending March 81, 1927.

From the \$260,000, the Territorial Board is authorized to provide for the following special projects, if in its judgment found desirable:

Chapter 46.	Aviation	Fielās.	4th	Division		\$20,000
Chapter 61,	Aviation	Fields.	2a	Divisio	a	5,000
Chapter 61.	Maintena	nce. No	me	Harbor.		5,000
Chapter 62.	Aviation	Fields	or S	eaplane	Moorings.	
3d Divisi	ion			*****		10,000
Chapter 69.	Nizina-Ch	isana T	rail			6.000

TERRITORIAL BOARD.

The Territorial Board of Road Commissioners, as now constiduced is composed of the following:

340. A. P.	arks. Gover	mor of the	Territory	.Chairman
Nari, Thei	lle. Secrete	ry of the	Territory	.Secretary
Walstein	G. Smith.	Territorial	Treasuret	Nember
Urbert J.	Sommers		Territorial Highway	Engineer

LOCAL COOPERATION.

I a resume of past cooperative agréements, seé Part II, l'Report for 1924, beginning on page 20.

der the authority of the Territorial Cooperative Road Act.
 April 21, 1949, and the Act of Congress approved June
 the Commission made additional cooperative agreements
 the Commission made additional cooperative agreements

respectively. In invariant chairment were appointed during the past year all scalingle funds being affected to cooperative projects. In the other two divisions, superintendents of the Commission were appointed chairment of the respective territorial commissions.

The President of the Commission continued to serve as Direturn of Public Works for the Territory and supervised the work of the Divisional Charmen as well as the other work supported by appropriations of the Territorial Legislature. No Territorial real building organization has been maintained since March 1, 1921.

The following general road funds were expended during the fiscal years

Cooperative : Projects:

Alasks Liad Commission Funds Territorial Foods Materiansons Contributions	57.522.38
Trate	2280,200,13
ivisional Projects;	

Chairman Thiri Division . Chairman Fouris Division .	\$	21.308.14 9.000.00
Iotal		20.596.14
Special Projects:		· · · ·
Shelter Cabina Territory, Sa	st Division	040.05

Stelter	Ceoms.	Territory,			\$
	•		24	Division	
· · -		N			•••• ••• ••• •••
			41h	Dávison	
					Funds
					····
Kala-	$\mathbf{P} \ge \tau_{-} + \tau_{-}$	Survey	Ferri	ಲ್ಲಂಗನ್ನು ಕೇಂ	inds

Nizina Errer Bridge, A. R. C. Funds	
Total	22.42 . 34 .00

(3.12)(5.00)

312.72

For the working season of 1925 fiscal year 1926; the Territical Board has allotted to the Department of Agriculture \$16,-Fillow and to the Alaska Road Commission the following amounts:

- Constraint Frights	\$111.600.00 10.000.00
Tatal Chairman Univer Division	\$:21,500.09 \$ 9,900.00 \$ 5,600.00
Grazi Tetti	·

\$2560 has been deposited and the balance is held subject to the call of the bederal dominission. Of the \$2500 the following amounts included in totals store for special projects have been expended for shelter cables

1st	Division		340.35	
2d	Division	·	425.75	
33	Divisi		225.60	
4ih	Division		669.15	\$1,669.2

The existing balance of \$1,373.10 in the contributed fund includes a balance of \$500.25 available for further work in the Nome wharf.

The Cooperative Road Act has worked satisfactorily under the conditions imposed. Certainly, the amount of road work accomplished for the money expended has been far in excess of anything heretofore possible. Had the Territory attempted to expend its \$30,000 per division under an independent organization, Learly one-third of the available funds would have gone into overhead, salary and expenses of a divisional chairman and clerk, rent, light, etc. All of this service was furnished free by the Alaska Road Commission and at no additional cost to itself. In addition, the extensive plant and mechanical equipment of the Alaska Road Commission, representing a capital investment of over \$500,000. seen furnished where available in the Territorial work without extra charge except for fuel and ordinary running repairs. Due to the extensive organization of the Alaska Road Commission, it has also been possible to apply Territorial money to outlying projects where the maintenance of an independent organization would have been impossible or prohibitive in cost. Finally, all available money is lumped together and expended upon a comprehensive system which e continuity in place and a consistency in operations over an extended period of years.

The Alaska Road Commission, also, is a gainer under the Concernative Road Act. By having greater funds available, it is able to consolidate purchases and supplies and thus to secure better prices. Conflicts in plans and complications in operations are avoided. By having funds becoming available all the year round, the difficulties resulting from fiscal year appropriations beginning of terminating about the middle of the open working season are highlighted, and the entire organization and conduct of operations, use setupated more flexible.

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As an evidence of the importance of the work of the Commission and its standing locally, there is quoted Senate Joint Meminul No. 3, passed unanimously by both houses of the Territic Ligislature in Seventh Session Assembled, on April 21, 1925, of llows:

T: Int President, the Secretary of War, the Senate, and the House of Representatives, of the United States:

is in memorialists, the Legislature of the Territory of Alaska, a second the Territory of Alaska, a second to the territory and the transmission assembled, do most respectfully and the transmission that

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Whereas, the War Department has always taken a leading part in the development of our frontiers and held together remote and sparsely settled communities in our Great West until such development had taken place that local interests could take over this duty, and the War Department is still performing similar functions in the Territory of Alaska: and

Whereas, the Alaska Road Commission under the supervision of the War Department, has, during the past twenty years, worked out a comprehensive system of roads and trails, which have greatly aided development in all sections of the Territory, and has, since its reorganization in 1920, secured increased fonds and more liberal legislation, so that it is now prepared to complete its program in a reasonable time, thereby permitting routes to be utilized throughout without breaking loads: and

Whereas, the Territory of Alaska is not in a financial position to take over the road and trail work as a part of its own interior development, nor even to maintain the existing system, but is contributing to the limit of its resources in aid of this work; and

Whereas, Section 301 (c) of S. 3445 and H. R. 9629 reported at the last session of the last Congress by the Joint Committee on the Reorganization of the Executive Branch of the Government, would abolish the Alaska Road Commission, without creating another agency to take its place, but transfers direct control of the road and trail work to a Department in Washington, D. C., without providing for the other activities handled under its direction; and

Whereas, the proposed legislation is objectionable, in that it abolishes a going concern, which was specially created for the work at hand, has grown up with the country, and has justified itself by its accomplishments; is inefficient in that it transfers direction of the work from a Board resident in the Territory, with till authority "of its own motion" to meet emergencies and to handle its business on the ground without reference to Wash-Eguin to a Department in Washington, with all the attendant delays and unbusinesslike methods that are such a conspicuous feature of the usual handling of Alaskan affairs; and is uneconomical in that it recreates in Alaska the very condition it purports to relieve in the United States, by requiring the creation of at least one new organization, under a different Department, to handie only part of the work now being handled by the Alaska Road Commission, its other functions still remaining in the War De-T12722431.

Now, therefore, be it Resolved. That the Legislature of the farritory of Alaska heartily endorse the work of the Alaska Road in-mission and pray that it may continue to have the support t the War Department and of Congress to the end that its approgrations may continue to be increased, its powers broadened. the construction on its excellent and comprehensive program of and trail building speeded up.

Be it Further Resolved. That it is the earnest desire of the Licislature of the Territory of Alaska that the Alaska Road Commission shall continue to be composed of Officers of the Corps of Engineers of the Army serving under the supervision of the War Legartment, and that Section 301 (c) shall be stricken from S. set and H. R. 5623, or any similar provision in any new legislathe proposed during the next session of Congress.

And your memorialists will ever pray,

Sara Sta

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ADDITIONAL OPERATIONS OF THE COMMISSION OR OF ITS MEMBERS.

The following additional duties have been imposed upon the servers of the Commission by appropriate authority:

a - By par. 3. S. O. No. 56-6. War Department. Washington, D. C., March 3, 1921, and under the provisions of Acts of Congress approved June 17, 1919, and June 15, 1917, the President of the Commission, in addition to his other duties, has been detailed for consultation or to superintend the construction or repair of any aid to navigation authorized by Congress, in the Sixteenth Lighthouse District (includes the Territory of Alaska.) He reported by letter to the Secretary of Commerce. In 1922 he served is a member of a special Commission, headed by the Assistant Secretary of Commerce, to Investigate conditions in the Russian, Japanese, and American fur-seal rookerles of the North Pacific.

Effective April 1st. 1921, the Juneau, Alaska engineer listnict was created by G. O. No. 1. War Department, Offive of the Chief of Engineers, Washington, February 21, 1421. The President of the Commission, in addition to his other duties, was appointed District Engineer; the other we members of the Commission were placed under the sumediate orders of the District Engineer and the Secrebory and Desburging Officer of the Commission was, in Collition, designsted as Discursing Officer for the district. The Alasha district does not form a part of the Northern lo the Edvision: the District Engineer reports direct to

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the Chief of Engineers. Detailed report of the operations of the Alaska District will be found in the Annual Report, C. of E.

(c) Effective November 14, 1921, the President of the Commission was appointed Consulting Engineer for the Territory and assumed direct charge of all Territorial publie works. Effective May 10, 1923, he was appointed Director of Public Works for the Territory.

(d) By informal arrangement, effective April 1, 1922, the President of the Commission agreed to act for the National Park Service, Department of the Interior, on certain matters relating to the improvement of the Sitka National Monument and the development of Mount McKinley National Park.

(e) By direction of the Fresident. War Department and Interior Department orders were issued on February 13, 1923, detailing the President of the Commission, in addition to his other duties, to duty with the Government railroad in Alaska under the provisions of an Act of Congress approved March 12, 1914.

He was appointed Chairman and Chief Engineer of the Alaskan Engineering Commission. He took over the management of The Alaska Railroad and allied activities of the Alaskan Engineering Commission as of March 24, 1923.

The Alaskan Engineering Commission was abolished on August 15, 1923, upon the recommendation of the Chairman thereof, and the designation "The Alaska Railroad" substituted therefor.

On October 1. 1923, the joint management of the roads and railroad was terminated. The President of the Alaska Road Commission remained Chairman of The Alaska Railroad until March 17, 1924, to handle estimates, Congressional hearings, and other matters in Washington, D. C. H had no railway operating functions or responsibilities in Alaska after October 1, 1923.

At the request of the Secretary of the Interior, the Commission made a survey and submitted a special report upon the control of Lowell Creek. Seward. Alaska, to protect government property in the vicinity from damage due to floods.

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(g) At the request of the Quartermaster General of the Army, the Commission has agreed to assume charge of the administration of the Sitka National Cemetery created by Executive Order of June 12, 1924.

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(h) At the request of the Quartermaster General of the Army, the Commission submitted a special report upon the water supply system of Chilkoot Barracks. Alaska, and has assumed charge of the construction of a million gallon concrete reservoir and repairs to the pipe line crossing Chilkat Inlet.

CONSOLIDATED ENGINEERING ORGANIZATION.

The practical result of the foregoing orders has been the development, without legislation, but through executive order or inter-departmental or inter-bureau agreement, of a practical working arrangement through which the facilities of all the services involved are used interchangeably, but a careful account is kept so that each appropriation is eventually expended for the purpose intended by Congress and no appropriation is either increased or illininished by such interchange of working funds or facilities. Separate accounts and reports are rendered to the departments under the direction of which the work is performed.

The result has been an immediate speeding up of development work upon a unified plan based upon a careful survey of the situation, a thorough knowledge of the entire Territory and its troblems, and a coordination of all the various conflicting interests efter full hearings before all parties at issue. Instead of intermizable references between different bureaus which formerly sometimes required papers to travel to Washington and back several times, matters are handled promptly upon the ground, or where the approval of Washington is required, such approval has usually then obtained by a single telegram covering the various angles or the views of the bureaus concerned.

The following are the current activities under consolidated -tgireering direction:

The construction, repair, and maintenance of federal roads, TERMWAYS, ferries, bridges, trails, and related works, now aggrelating over 9,000 miles, and extending from open-all-the-year-round "12th coast ports to all inhabited parts of the Territory; Territrial roads, bridges, forries, aviation fields, telephone lines and "Addis throughout the Territory, covered by cooperative agreements; "Soliter cabins; Nizina River Bridge; Nonte-Shelton Tramway (S)" "It's operated by cars drawn by dogs); Tolovana Tramway; Imsection of Nome Harbor; Improvement of Wrangell Harbor;

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Improvement of Wrangell Narrows; the preliminary examination or survey of Tolovana River. Gastineau Channel and adjacent waters, Ketchikan Creek. Hyder Harbor, Saxman Harbor, Port Alexander, Wrangeli Harbor. Seward Harbor, Yukon River at Fort Yukon, and Yukin River at Holy Cross; the investigation of port facilities; the survey and design for a Government whatf at Juneau; the issuance of permute for fish traps and other structures in the navigable waters along the Territory's 25,000 mile coast line; miscellaneous inspections, public hearings and contingencies of Rivers and Harbors; improvement of Sitka National Monument; development of Mt. McKinley National Park: Improvement Chilkoot Barracks Water Supply; administration of Sitka National Cemetery; Lowell Creek Survey; and Nome-Shelton-Keewalik Reconnaissance.

ALASKA TRANSPORTATION PROBLEMS.

In order that the difficulties of transportation within Alaska may be fully appreciated it is necessary for one to visit the Territery and to traverse parts of it not yet provided with roads or trails. To one glited with a good imagination the following brief description will indicate the difficulties in part.

- Alaska is a frontier country of vast area, about one-fifth that of the United States proper. With its population of about 27,000 whites and an equal number of natives it is in about the same state of development as was our great western frontier at the time just preceding the Civil War. There are many reasons why Alaska will not develop so rapidly, however, one of the most important of which is the great difficulty encountered in transportation.

This is essentially a country of very bold relief. Along the entire southern coast line, from Portland Canal east of Ketchikan to False Pass at the southwest extremity of the Alaska Peninsula mountain ranges rise, abrupt and rugged, direct from the sea. This estidations chain of mountains along the coast has done much to russel the development of Alaska since it presents to the visitor a colliding and discouraging aspect and it has always greatly inoreast the difficulties of access to the interior.

B-yond these mountains there lies a broad stretch of rolling tailant country comprising the valleys of the Copper, Susitna and Nichagak Rivers. The two first named are the only rivers of any such that break through the continuous chain of coast ranges to drain into the Pacific Ocean. The Nushagak flows parallel to the clast range and drains into Bering Sea. Within the valleys of the Cityer and Susitna rivers rise two very rugged mountain groups, the Wrangell and taikgetna ranges.

Beyond the valleys of the Copper and Susitna rivers the Alaska Eatige which may be called the backbone of Alaska, rises to great

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Lorints. It includes Mt. McKinley, the highest mountain of North A derived and the highest in the world in relation to the territory model and the highest in the world in relation to the territory model and the highest in the Alaska Range is broken by numercuts narrow but excellent passes and has had no such ill effect to the territory as have the somewhat less high mountains which in tage the coast.

Feyond the Alaska Range there is a vast country, rolling and the vert mountainous, which comprises the valleys of the Kuskobe m and of the Yukon with its two main tributaries, the Tanana the Köyukuk. The lower valleys of the Kuskokwim and Yukon the flat delta.

The Brooks Range, consisting of mountains that are neither expectatly high nor very rugged, separates the valleys above mentantifrom a vast stretch of rolling tundra which stretches to the $\lambda = 0$ Occau.

The subsoil of the vast interior of Alaska is permanently frozen. The is a condition handed down from a preceding period when the there of Alaska was much colder than at present. For about the months during the summer the average temperature is about the 60° while the temperatures above 90° are not rare. The surthaws and the warmth, together with the long hours of daythe causes vegetation to grow very rapidly. The resultant thick the of moss and dead vegetation prevents the ground from thawthe any great depth. Where this layer of moss and dead vegethe is removed thawing does continue to bed Disk, or at least why considerable depths.

The frozen condition of the subsoil provents the draining of - durface by seepage while the accumulated more and dead vege-- greatly retards surface drainage. The result is that in protag across country in Alaska in its normal condition in summer by bades through a peat-like muck, water scaked and ankle to - deep. The going is made rough by the provision of bunches - lass root growth known locally as "niggetheads."

The above condition, varied only in degree, exists all over with the exception of the narrow fringe along the southern Movement across country is further complicated, except on Neward Peninsula and on the Arctic slope, by the presence of timber, much of which is fallen and which must be cleared with ready passage.

devement of a wheeled vehicle without a prepared roadway. Cossible everywhere except along a sand of gravel beach or the gravel beds of the smaller streams.