

ALASKA LEGISLATURE COMMITTEE FILES 1981-1982 8672

2083 SSA SB 689

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Official Business

# Alaska State Legislature

## Senate Committee on State Affairs

Vic Fischer, Chairman • Pouch V • Juneau, Alaska 99811 • (907) 465-4954

### MEMORANDUM

TO: Senate State Affairs Committee Members

FROM: Senator Vic. Fischer *Vic Fischer*

RE: S.B. 689, An Act Relating to Appropriations and General Obligation Bonds for Capital Projects. SCHEDULED FOR THURSDAY, MARCH 4<sup>th</sup>.

Date: March 2, 1982

Public wealth is not managed with the same planning considerations as private wealth. Oil revenue is the common property of all citizens and the size of each citizen's share is dependent on the actions of other citizens. Common property imparts a tremendous incentive for each participant to take what he can, and for each legislator to obtain what he can, because if he does not someone else will. In the process, unprecedented numbers of ill thought out capital projects have been cast in cement. Last year, \$1,595,545,000 was allocated for capital projects. Although future operations could easily exceed construction costs by 1,000%, no one has calculated the expense of operating and maintaining these projects. The management of common property does not require or encourage economic planning.

Several solutions to the problem of inadequate planning have been proposed: transfer of wealth to private ownership or imposition of arbitrary spending limits. These solutions seek to avoid the need to plan and they have not worked. Inadequate planning continues and the service sector of the operating budget is sacrificed to finance ever increasing operating costs created by prior year capital budgets. An alternative solution is to stop trying to avoid the need to plan and to start planning.

S.B. 689 would force the budget process to include economic planning. The present value of future maintenance and operating costs would have to be considered for each capital project. When a capital project is budgeted, the present value of future maintenance and operations would be budgeted. Total project costs, not just construction costs, could be compared for each project, and at any point in time we would know the size of outstanding maintenance and operations commitments. S.B. 689 is a viable way to institute basic economic planning. The private sector uses economic planning to manage private wealth and the public sector should use economic planning to manage public wealth.

# MEMORANDUM

State of Alaska  
Department of Transportation & Public Facilities

TO: John Bates, Deputy Commissioner  
Division of Planning & Programming  
Department of Transportation &  
Public Facilities

DATE: February 24, 1982

FILE NO: 300C

TELEPHONE NO: 206 4000

FROM: Kit Duz, Director  
Division of Planning & Programming  
Central Region

SUBJECT: FY'82 CIP  
Appropriations -  
Lifetime Ownership  
Costs

Attached is the FY'82 CIP Appropriations Lifetime Ownership Costs report you requested. The Lifetime Ownership Cost term has been used to differentiate the report from a Life Cycle Cost analysis. A Life Cycle Cost analysis assumes no inflation and costs are discounted at 10% per year. Lifetime Ownership costs assume a 10% per year inflation rate and no discounting is involved. A Life Cycle Cost analysis presents a comparative index only. Lifetime Ownership Costs more effectively show the long-term impact of capital appropriations on future operating budgets because of the compounding effect of inflation.

The Transportation Component contains several project types which we currently do not have a data base to develop Lifetime Operating Costs -- docks, bridges, runways, aprons, bike paths, pedestrian overpasses, etc. However, we have assumed 2% of the appropriations amount as the first year M&O cost and then projected this figure over the estimated life of the project.

Attachment

ESTIMATED LIFETIME OWNERSHIP COSTS  
FY '82 CIP APPROPRIATIONS

The attached analysis shows the estimated lifetime ownership costs for the FY '82 CIP appropriations by budget component. These costs are defined as the capital and M&O (maintenance and operating) costs of a capital project for an anticipated 30 year life. This analysis can help determine the fiscal impact of the FY '82 capital appropriations on future operating budgets.

The data base for the Life Cycle Cost System was used in preparing this analysis; however, estimated lifetime ownership costs differ from life cycle costs in that life cycle costs have no inflation factor included. In addition, life cycle costs follow the United States Bureau of the Budget practice of discounting the costs at 10% per year. On the other hand, estimated lifetime ownership costs contain a 10% per year inflation factor and do not include discounting. In both cases, the estimated project life is 30 years.

The following is a detailed explanation of the Estimated Lifetime Ownership Cost Analysis. ~~Please refer to Exhibit "A" as the example for this review.~~

The "Component" column refers to the budget component of the appropriation. The "Appropriation Type/#" column divides the appropriations into three categories: State, Grant, and Other.

"State" includes non-grant project appropriations in each budget component. "Grants" are listed because the State may incur indirect M&O costs for these projects thru revenue sharing. "Other" includes projects listed in the CIP appropriations for which lifetime ownership costs may not apply or currently cannot be determined. Representative examples are loan programs, studies, equipment, code upgrades, engineering, land survey, water and sewer projects. Lifetime ownership costs for Transportation component projects such as docks, bridges, runways, aprons, bikepaths, and street lights have been estimated by assuming 2% of the appropriation as the basis for determining the 30 year M&O costs. Road rehabilitation costs are essentially deferred M&O costs and not subject to lifetime ownership cost analysis.

The number in parenthesis next to the appropriation type refers to the number of appropriations included for each appropriation type. For example, Exhibit "A" shows 40 appropriations in the "State", 30 appropriations in the "Grant", and 100 appropriations in the "Other" categories.

The "Appropriation (\$K)" column is the appropriated amount for each type: State, Grant or Other. All figures are in thousands (\$K) of dollars. The "Total" is the sum of the appropriations for each type which equals the CIP appropriation for each budget component.

The "Est. Lifetime Ownership Costs (\$K)" column expresses the aggregate lifetime costs (capital and M&O costs) by budget component in thousands of dollars. The life of each project is assumed to be 30 years. The Department's Life Cycle Cost System data base was used to derive these costs. Estimates assume a 10% per year inflation factor. If inflation exceeds 10% per year, the lifetime ownership costs will be substantially higher because of the effects of compounding.

It should be noted that since these costs are for the aggregate of projects for a 30 year period, it is not possible to determine a "per year" cost by dividing by 30. To do this would result in a severely distorted figure.

The dollar amount in the "Other" appropriation type under the "Estimated Lifetime Ownership Costs (\$K)" column will be the sum of the appropriations for this category. There are ownership costs involved with many of these appropriations; however, it is not currently possible to estimate these costs. The result is that the total lifetime ownership costs may be underestimated.

ESTIMATED LIFETIME OWNERSHIP COSTS  
FY'82 CIP APPROPRIATIONS

<u>COMPONENT</u>	<u>APPROPRIATION TYPE/#</u>	<u>APPROPRIATION (\$K)</u>	<u>EST. LIFETIME OWNERSHIP COSTS (\$K)</u>
Education	State (36)	51,574.5	608,332.0
	Grant (27)	38,746.0	457,021.0
	Other (106)	<u>46,753.4</u>	<u>46,753.4</u>
	Total (169)	<u>137,073.9</u>	<u>1,112,106.4</u>
Social Services	State (4)	3,836.2	66,922.0
	Grant (16)	8,108.0	97,307.0
	Other (17)	<u>2,717.6</u>	<u>2,717.6</u>
	Total (37)	<u>14,661.8</u>	<u>166,946.6</u>
Health	State (1)	525.0	9,153.0
	Grant (14)	8,213.0	142,210.0
	Other (40)	<u>4,453.3</u>	<u>4,453.3</u>
	Total (55)	<u>13,191.3</u>	<u>155,816.3</u>

ESTIMATED LIFETIME OWNERSHIP COSTS  
FY'82 CIP APPROPRIATIONS

<u>COMPONENT</u>	<u>APPROPRIATION TYPE/#</u>	<u>APPROPRIATION (\$K)</u>	<u>EST. LIFETIME OWNERSHIP COSTS (\$K)</u>
Nat. Resource Mgmt. & Environ. Conser.	State (3)	2,250.0	29,931.0
	Grant (14)	9,904.8	67,316.0
	Other (122)	<u>67,388.2</u>	<u>67,388.2</u>
	Total (139)	<u>79,543.0</u>	<u>164,635.2</u>
Public Protection	State (4)	9,335.9	112,044.0
	Grant (8)	1,904.0	33,461.0
	Other (73)	<u>13,548.7</u>	<u>13,548.7</u>
	Total (85)	<u>24,788.6</u>	<u>159,053.7</u>
Administration of Justice	State (6)	14,808.7	183,471.0
	Grant (6)	2,787.3	40,023.0
	Other (20)	<u>18,149.0</u>	<u>18,149.0</u>
	Total (32)	<u>35,745.0</u>	<u>241,643.0</u>

ESTIMATED LIFETIME OWNERSHIP COSTS  
FY'82 CIP APPROPRIATIONS

<u>COMPONENT</u>	<u>APPROPRIATION TYPE/#</u>	<u>APPROPRIATION (\$K)</u>	<u>EST. LIFETIME OWNERSHIP COSTS (\$K)</u>
Development	State (2)	202.0	2,350.0
	Grant (65)	17,357.3	169,951.0
	other (117)	<u>35,283.9</u>	<u>35,283.9</u>
	Total (184)	<u>52,843.2</u>	<u>207,584.9</u>
Transportation	State (107)	115,348.0	575,806.4
	Grant (108)	82,612.1	394,844.4
	Other (172)	<u>131,861.0</u>	<u>131,861.0</u>
	Total (387)	<u>329,821.1</u>	<u>1,102,511.8</u>
General Government	State (3)	9,159.0	161,917.0
	Grant (1)	10,000.0	157,204.0
	Other (42)	<u>20,739.6</u>	<u>20,739.6</u>
	Total (46)	<u>39,898.6</u>	<u>339,860.6</u>

ESTIMATED LIFETIME OWNERSHIP COSTS  
FY'82 CIP APPROPRIATIONS

	<u>APPROPRIATION TYPE/#</u>	<u>APPROPRIATION (\$K)</u>	<u>EST. LIFETIME OWNERSHIP COSTS (\$K)</u>	
FY'82 Total	State (166)	207,039.3	1,749,926.4	845.2%
FY'82 Total	Grant (259)	386,671.8 179,632.5	1,559,337.4	868.1%
FY'82 Total	Other (709)	<u>340,894.7</u>	<u>340,894.7</u>	855.8%
	FY'82 Grand Total (1134)	<u><u>727,566.5</u></u>	<u><u>3,650,158.5</u></u>	



# Alaska State Legislature

## Senate Committee on State Affairs

Vic Fischer, Chairman • Pouch V • Juneau, Alaska 99811 • (907) 465-4954

Official Business

SB 689—An Act relating to appropriations and general obligation bonds for capital projects

Creating an Operating Cost Fund consisting of appropriations for the cost of operating and maintaining capital projects

Hearing: Senate State Affairs Committee  
Thursday, March 4, 1:30 p.m.  
Room 423 Capitol

<u>Scheduled Witnesses</u>	<u>Topic</u>
✓ Sen. Arliss Sturgulewski	Sponsor's introduction
✗ Ira Winograd	Background briefing
✓ Rep. Terry Gardiner	Overview
✓ Ron Lehr Director, Budget and Management	Administrative position
✓ John Bates DOTPF Deputy Commissioner Planning and Programming	Public Facilities Planning
• <del>Annals Stack</del> Peter McDowell C.P.A. Management Consultant	<i>Fiscal note</i> Operations Cost Forecasting

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STATEMENT ON CAPITAL SPENDING MANIA

BY SEN. VIC FISCHER, MARCH 4, 1982

THE IDEA SEEMS TO BE RAMPANT THESE DAYS THAT CAPITAL PROJECTS ARE GOOD WHILE OPERATING EXPENDITURES ARE BAD.

IT'S CRITICAL TO ACKNOWLEDGE WHAT WE ALL KNOW--CAPITAL PROJECTS BEGET MAINTENANCE AND OPERATING EXPENSES, AND THERE'S NO WAY WE CAN GET AWAY FROM THAT.

WHEN WE SPEND MONEY ON CAPITAL PROJECTS, IT'S NOT A ONE-TIME EXPENDITURE. WE WILL HAVE TO PAY TO RUN IT, YEAR AFTER YEAR AFTER YEAR. OVER AND OVER AGAIN WE'LL BE PAYING FOR IT NOT THROUGH THE POPULAR CAPITAL BUDGET CATEGORY, BUT THROUGH OPERATING EXPENDITURES. IF WE IGNORE THIS SIMPLE FACT, OUR CRIME IS NOT JUST DELUDING OURSELVES. WE DECEIVE THE PUBLIC. WORSE, WE SADDLE THOSE WHO COME AFTER US WITH THE RESPONSIBILITY TO SUPPORT OUR PROJECTS, BE THEY NECESSITIES OR EXTRAVAGANCES.

TODAY, STATE AFFAIRS COMMITTEE TAKES UP SB 689 -- TO  
CREATE AN OPERATING COST FUND TO RUN CAPITAL IMPROVEMENTS  
THE STATE CONSTRUCTS.

LAST NOVEMBER, DISTRIBUTED TO ALL MEMBERS A REPORT ON ESTABLISHMENT  
OF A MAINTENANCE AND OPERATION FUND TO COVER FUTURE COSTS OF  
CAPITAL PROJECTS. PREPARED BY IRA WINOGRAD AND ANNE DEVRIES OF HOUSE  
RESEARCH AGENCY.

IN TRYING TO EMPHASIZE THE IMPORTANCE OF THIS CONCEPT, MY  
TRANSMITTAL MEMO TO THE MEMBERS STATED: "MAINTENANCE AND OPERATIONS  
EXPENSES CAN, OVER THE LIFE OF A CAPITAL PROJECT, EXCEED ORIGINAL  
CONSTRUCTION COSTS BY AS MUCH AS 400%."

THIS WOULD MEAN THAT WHEN WE ALLOCATE \$1 BILLION TO CAPITAL CONSTRUCTION,  
WE WOULD BE SADDLING OURSELVES WITH \$4 BILLION IN FUTURE  
COSTS.

WELL, THE REALITY IS EVEN WORSE. IT LOOKS AS IF THE AVERAGE LIFETIME  
COSTS OF PROJECTS WILL EXCEED INITIAL INVESTMENT BY MORE THAN  
8 1/2 TO 1. THAT IS, FOR EACH BILLION WE INVEST IN CAPITAL  
PROJECTS, OUR AVERAGE TOTAL OPERATING AND MAINTENANCE COSTS WILL  
BE EIGHT BILLION FIVE HUNDRED MILLION DOLLARS.

AT MY REQUEST, THE FIRST ESTIMATE OF LONG-TERM EFFECTS OF CAPITAL  
EXPENDITURES HAS BEEN PREPARED BY DOT/PF.

A SAMPLE OF FY 82 GENERAL FUND CAPITAL APPROPRIATIONS SHOWS THAT LIFETIME OWNERSHIP COSTS ARE 8.56 TIMES CAPITAL APPROPRIATIONS. (WE WILL BE EXAMINING THIS ANALYSIS DURING THIS AFTERNOON'S STATE AFFAIRS COMMITTEE MEETING.) TOTAL CAPITAL EXPENDITURES HAVE NOT BEEN CALCULATED FOR FY 82.

IN FY 81, TOTAL CAPITAL PROJECT EXPENDITURES EQUALED \$1,595,545,000. APPLYING THE ABOVE PERCENTAGE, THE 1981 CAPITAL BUDGET WILL PRODUCE \$13,657,865,000 IN BUDGET REQUIREMENTS FOR MAINTENANCE AND OPERATIONS OVER THE NEXT 30 YEARS.

THIS MEANS THAT THE 1980 LEGISLATURE HAS COMMITTED THE STATE OF ALASKA TO MEAN ANNUAL EXPENDITURES OF \$455,262,160 PER YEAR!

IMAGINE THE KIND OF FUTURE BURDENS THAT HAVE BEEN IMPOSED BY THE CAPITAL EXPENDITURES MADE DURING THE LAST SESSION.

(THE RATIO BETWEEN CAPITAL EXPENDITURES AND LIFETIME M&O COSTS VARIES BY TYPES OF PROJECTS, RANGING FROM 1:3 TO 1:12)

IT'S CLEAR THAT OUR BUDGETS WILL BECOME ASTRONOMICAL IF WE IGNORE THE CONSEQUENCES AND JUST KEEP POURING MONEY INTO CAPITAL PROJECTS.

LET ME NOW ADDRESS THE MORE SPECIFIC RELATIONSHIP BETWEEN CAPITAL EXPENDITURES AND OPERATING FUNDS BY CITING TWO EXAMPLES.

THE OPERATING BUDGET IS BEGINNING TO BEAR THE BURDEN OF INADEQUATE LONG-TERM FINANCIAL PLANNING. CUTS ARE BEING SUGGESTED IN THE OPERATING BUDGET WHICH WOULD CAUSE FULL OR PARTIAL ABANDONMENT OF CAPITAL PROJECTS OR SERVICES. IN 1982, WE MAY HAVE OUR FIRST ABANDONED NEW PROJECTS; SHINY CEMENT MONUMENTS TO GOVERNMENT INABILITY TO PLAN AHEAD.

EXAMPLE: STATE HATCHERIES

HATCHERIES ARE LIKE MACHINES; ONCE THEY ARE CONSTRUCTED, THE MORE THEY ARE USED, THE MORE VALUE THEY PRODUCE. THE STATE HAS CONSTRUCTED 20 HATCHERIES AT A COST OF \$77 MILLION, YET NONE IS OPERATING AT ULTIMATE CAPACITY, AND THREE ARE NOT OPERATING AT ALL. THE THREE NON-OPERATING HATCHERIES, MAIN BAY, SIKUSUILAQ, AND TRAIL LAKES, COST OVER \$16 MILLION. THEY HAVE JUST BEEN CONSTRUCTED AND WILL BE READY FOR OPERATION THIS SPRING. THESE THREE HATCHERIES REQUIRE \$500,000 PER YEAR FOR OPERATIONS.

THE HOUSE FINANCE SUBCOMMITTEE ON NATURAL RESOURCES IS HAVING SECOND THOUGHTS ABOUT OPERATING ALL 20 HATCHERIES. THEY RECOMMEND A 65% CUT TO F.R.E.D., THE FISHERIES REHABILITATION SECTION OF FISH AND GAME. THIS CUT WOULD ELIMINATE ALL HATCHERY OPERATIONS.

THE ONLY ALTERNATIVE TO ABANDONMENT WOULD BE A TRANSFER OF OPERATING RESPONSIBILITIES TO PRIVATE NON-PROFIT HATCHERIES. MOST HATCHERIES ARE CONSTRUCTED ON FEDERAL LAND WITH THE STIPULATION THAT WHEN AND IF THE STATE ABANDONS OPERATIONS THE STATE IS RESPONSIBLE FOR REMOVING ALL STRUCTURES IN THEIR ENTIRETY. ANY CHANGES IN OPERATING RESPONSIBILITY WOULD HAVE TO BE APPROVED BY THE FEDERAL GOVERNMENT.

EVEN IF APPROVAL WERE POSSIBLE, THE PRIVATE NON-PROFIT HATCHERIES DO NOT HAVE ADEQUATE FUNDING TO OPERATE ADDITIONAL HATCHERIES. IN THE EVENT THAT BUDGET CUTS LEAD TO ABANDONMENT, DEMOLITION AND REMOVAL COSTS COULD BE SUBSTANTIAL.

THE COST OF AN ABANDONED HATCHERY PROGRAM INCLUDES THE VALUE OF LOST PRODUCTION. THE NET PRESENT VALUE OF HATCHERY CAUGHT FISH, OVER A 20 YEAR PERIOD, IS ESTIMATED TO BE \$450 MILLION IN 1982 DOLLARS. THE DIRECT COST OF AN ABANDONED HATCHERY PROGRAM COULD BE \$550 MILLION, NOT INCLUDING VALUE LOST TO SHORE BASED PROCESSORS AND LABORERS.

FISHERIES REHABILITATION NEEDS LONG-RUN FINANCIAL PLANNING. BUILD NOW, PLAN LATER, IS A FISHY POLICY INDEED.

EXAMPLE: PIONEER HOMES

NEW PIONEER HOME CONSTRUCTION PROJECTS WERE RECENTLY COMPLETED IN KETCHIKAN AND ANCHORAGE AT A COST OF \$12.5 MILLION. CONSTRUCTION COSTS ARE ONLY A DROP IN THE BUCKET COMPARED TO THE COST OF OPERATING THESE FACILITIES. THE NEW FACILITIES REQUIRE 85 NEW FULL-TIME EMPLOYEES AND 32 PART-TIME EMPLOYEES. THERE CANNOT BE AN EFFECTIVE BAN ON NEW STATE EMPLOYEES WHILE NEW CAPITAL PROJECTS ARE BEING CONSTRUCTED.

THE TOTAL PIONEER HOME SYSTEM COST \$42.5 MILLION TO CONSTRUCT. OVER A 30 YEAR PERIOD, IT WILL COST OVER \$500 MILLION TO OPERATE THESE FACILITIES. IN TODAY'S DOLLARS, FOR EVERY SINGLE DOLLAR SPENT

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ON CONSTRUCTION, \$12 WILL BE SPENT ON OPERATIONS. IN OTHER WORDS, OPERATING COSTS ARE 1,200% OF CAPITAL COSTS.

THE CAPITAL BUDGET IS THE ENGINE WHICH DRIVES THE OPERATING BUDGET. IF WE CONTINUE TO CONSTRUCT CAPITAL PROJECTS, WITHOUT PLANNING FOR FUTURE OPERATIONS, WE WILL HAVE MANY MORE SURPRISES.

I'M NOT ADVOCATING THAT WE CUT OUT CAPITAL PROJECTS AND JUST SPEND MONEY ON OPERATIONS. THOUGH A CASE CAN BE MADE THAT PUTTING MONEY INTO OPERATING BUDGETS WILL HAVE A MUCH LESSER FISCAL IMPACT ON THE FUTURE THAN CONTINUOUSLY POURING MONEY INTO CONCRETE AND STEEL.

I SIMPLY BELIEVE THAT WE MUST THINK ABOUT THE LONG-TERM EFFECTS OF WHAT WE ARE DOING.

I'M APALLED AT THE EXTENT TO WHICH MANY LEGISLATORS SEEM TO IDOLIZE CAPITAL PROJECTS WHILE CONDEMNING OPERATING EXPENDITURES AS SOMETHING EVIL.

IF WE'RE EVER TO DEAL WITH STATE EXPENDITURES RESPONSIBLY AND EFFECTIVELY, WE'VE GOT TO THINK ABOUT THE FUTURE -- AND THAT REQUIRES BEING REALISTIC ABOUT THE RELATIONSHIP BETWEEN CAPITAL EXPENDITURES AND FUNDS NEEDED FOR MAINTENANCE AND OPERATION OF CAPITAL PROJECTS.

*To cover  
bond projects  
- could include?*

Introduced: 1/27/82  
Referred: State Affairs and  
Finance

BY STURGULEWSKI, FERGUSON,  
FISCHER AND STIMSON

1 IN THE SENATE

2 SENATE BILL NO. 689

3 IN THE LEGISLATURE OF THE STATE OF ALASKA

4 TWELFTH LEGISLATURE - SECOND SESSION

5 A BILL

6 For an Act entitled: "An Act relating to appropriations and general obliga-  
7 tion bonds for capital projects; and providing for an  
8 effective date."

9 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF ALASKA:

10 \* Section 1. AS 37.10 is amended by adding a new section to read:

11 Sec. 37.10.067. OPERATING COST FUND. (a) An operating cost fund  
12 for capital projects is established in the Department of Revenue. The  
13 operating cost fund shall be managed in accordance with this section.

14 (b) The operating cost fund consists of

15 (1) all money appropriated to it by the legislature in accor-  
16 dance with AS 37.25.022; and

17 (2) *appropriate* interest earned by investment of the fund balance *(of the fund)*

18 (c) The commissioner of revenue shall invest and manage the money  
19 in the operating cost fund that the commissioner determines to be above  
20 an amount sufficient to meet current cash expenditure needs. An invest-  
21 ment by the commissioner of revenue under this subsection shall be made  
22 in accordance with AS 37.10.070(b).

23 (d) The commissioner of revenue shall establish in the operating  
24 cost fund an account for each capital project for which an appropriation  
25 is made. The account consists of the unexpended amount of the appropria-  
26 tion for the capital project and income credited to the capital project  
27 under (e) of this section.

28 (e) Income earned from investment of money in the operating cost  
29 fund shall be allocated by the commissioner of revenue to the account

1 for each capital project for which an appropriation for the cost of  
2 operating the project has been made by the legislature. An allocation  
3 under this subsection shall be made to the account for each capital  
4 project specifically designated by the legislature by law in proportion  
5 to the account balance for that capital project as a percentage of the  
6 total amount in the operating cost fund.

7  
8 (f) During each fiscal year, the commissioner of revenue shall  
9 withdraw and pay to the department that has responsibility for the  
10 operation of a capital project an amount equal to the operating cost of  
11 the capital project and the commissioner of revenue shall reduce the  
12 account balance of the capital project by the amount paid. The amount  
13 paid by the commissioner of revenue under this subsection shall be used  
14 by the department that has responsibility for the operation of the  
15 capital project for operating costs of the capital project. A withdrawal  
16 under this subsection may not exceed the account balance of the capital  
17 project.

18 (g) The <sup>B & M</sup> commissioner of revenue may prescribe regulations applic-  
19 able to withdrawal and payment of money from the operating cost fund to  
20 other departments for the operating cost of a capital project.

\* Sec. 2. AS 37.15 is amended by adding a new section to read:

21  
22 Sec. 37.15.013. OPERATING COSTS OF PROJECTS FOR WHICH GENERAL  
23 OBLIGATION BONDS MAY BE AUTHORIZED. (a) The <sup>gov</sup> commissioner of each  
24 department responsible for the operation of a proposed capital project  
25 for which general obligation bonds may be authorized shall prepare a  
26 schedule of the expected cost of operating the proposed capital project  
27 for its useful life. The schedule of the expected cost of operating the  
28 proposed capital project shall serve as the basis for calculating the  
29 net present value of the operating cost of the project.

(b) In determining the net present value of the operating cost for

*need to appropriate this money - legis. rate.*

*set up annex*

1 a proposed capital project, the commissioner of each department respon-  
2 sible for the operation of the proposed capital project shall discount  
3 the total of all estimated future costs of operating the project to the  
4 construction completion date of the project. The discount factor to be  
5 applied is the estimated compound annual rate of return of the operating  
6 cost fund under AS 37.10.067 for the useful life of the capital project,  
7 or for the first 30 years of the useful life of the capital project,  
8 whichever is less.

9 (c) The provisions of this section do not apply to a proposed  
10 capital project in which the net present value of cost of operating the  
11 proposed capital project is less than \$100,000.

12 (d) In this section, "cost of operating" and "operating cost" mean  
13 the normal, anticipated costs of maintenance and operation of a capital  
14 project. ~~The terms~~ *incl program costs*

15 (1) include expenses for routine maintenance, minor repairs,  
16 utilities, local charges, fees and payments in place of taxes;

17 (2) exclude costs that will be offset by fees imposed on  
18 persons who use the project, and for contributions from federal, muni-  
19 cipal, and private sources.

20 \* Sec. 3. AS 37.25 is amended by adding a new section to read:

21 Sec. 37.25.022. OPERATING COSTS OF CAPITAL PROJECTS. (a) An  
22 appropriation for a capital project other than a project financed by  
23 general obligation bond proceeds that will be owned and operated by the  
24 state shall include an appropriation for the cost of operating the  
25 capital project. The appropriation for the cost of operating the capital  
26 project may not be less than

27 (1) the net present value of the estimated cost of operating  
28 the capital project for its expected useful life, if the expected useful  
29 life of the capital project is 30 years or less; or

*defin*

*repl. costs*

*+ bond proj.*

*info for projects budgetary affairs*

1 (2) the net present value of the estimated cost of operating  
2 the capital project for 30 years, if the expected useful life of the  
3 capital project exceeds 30 years

4 (b) The commissioner of each department responsible for the opera-  
5 tion of a proposed capital project shall prepare a schedule of the  
6 expected cost of operating the proposed capital project for its useful  
7 life. The schedule of the expected cost of operating the proposed  
8 capital project shall serve as the basis for calculating the net present  
9 value of the operating cost of the proposed capital project.

10 (c) In determining the net present value of the operating cost for  
11 a proposed capital project, the commissioner of each department respon-  
12 sible for the operation of the proposed capital project shall discount  
13 the total of all estimated future costs of operating the project to the  
14 date on which the appropriation for the cost of operating the project  
15 will be paid to the operating cost fund (AS 37.10.067) in the Department  
16 of Revenue. The discount factor to be applied is the estimated compound  
17 annual rate of return of the operating cost fund for the useful life of  
18 the proposed capital project, or for the first 30 years of the useful  
19 life of the proposed capital project, whichever is less.

20 (d) The provisions of (a) of this section do not apply to a pro-  
21 posed capital project in which the net present value of cost of operat-  
22 ing the proposed capital project is less than \$100,000.

23 (e) In this section, "cost of operating" and "operating cost" mean  
24 the normal, anticipated costs of maintenance and operation of a proposed  
25 capital project. The terms

26 (1) include expenses for routine maintenance, minor repairs,  
27 utilities, local charges, fees and payments in place of taxes;

28 (2) exclude costs that will be offset by fees imposed on  
29 persons who use the project, and for contributions from federal, muni-

1           cipal, and private sources.

2       \* Sec. 4. AS 15.58.020(7) is amended to read:

3                   (7) for each bond question,

4                           (A) a statement of the scope of each project as it  
5           appears in the Bond Authorization Act; and

6                                   (B) a statement of the net present value of the operat-  
7                   ing cost for the project;

8       \* Sec. 5. This Act takes effect January 1, 1983.

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ESTIMATED LIFETIME OWNERSHIP COSTS

FY '83-'84 EXECUTIVE BUDGET  
CAPITAL PROGRAM

MARCH 1982

Prepared By

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
DIVISION OF PLANNING & PROGRAMMING

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PART I  
INTRODUCTION

ESTIMATED LIFETIME OWNERSHIP COSTS  
FY'83-'84 EXECUTIVE BUDGET CAPITAL PROGRAM

This report analyzes the Estimated Lifetime Ownership Costs for the FY'83 Cash and FY'83-'84 Voter Approval Capital Programs as contained in the FY'83 Executive Budget. These costs are defined as the initial capital and M&O (Maintenance & Operations) costs of a capital project for an estimated 30-year life. This analysis can help determine the fiscal impact of these capital projects on future operating budgets.

The data base for the Life Cycle Cost System was used in preparing this analysis; however, Estimated Lifetime Ownership Costs differ from Life Cycle Costs in that Life Cycle Costs have no inflation factor included. In addition, a Life Cycle Cost Analysis follows the United States Bureau of the Budget practice of discounting costs at 10% per year. On the other hand, Estimated Lifetime Ownership Costs contain a 10% per year inflation factor and do not include discounting. In both cases, the estimated project life is 30 years.

A Life Cycle Cost Analysis provides a comparative index. Estimated Lifetime Ownership Costs more effectively show the potential fiscal impact of proposed capital projects on future operating budgets because of the compounding effects of inflation. If inflation exceeds 10% per year, the resulting estimated Lifetime Ownership Costs will be substantially higher than those presented in this report.

Estimated Lifetime Ownership Costs can be provided for public facilities if the request is for a new facility or complete facility addition. Facility

renovations and repair costs are actually a part of a facility's original Estimated Lifetime Ownership Cost. In these cases, the actual dollar amount of the capital request is listed as the Estimated Lifetime Ownership Cost. Estimated Lifetime Ownership Costs for new or upgraded roads, runways, and aprons have used the statistical information from the Compilation of Highway and Airport Maintenance Costs report (No. AK-RD-82-16) prepared by the Alaska DOT/PF Research Section. Rehabilitation costs are essentially deferred M&O costs and are not subject to Estimated Lifetime Ownership Costs Analysis. Estimated Lifetime Ownership Costs for Transportation component projects such as new docks, bridges, bike paths, and street lights have been estimated by assuming 2% of the appropriation request as a base figure for determining the 30-year M&O cost.

Each budget component has capital requests for which Estimated Lifetime Ownership Costs may not apply or cannot be determined. Representative examples are loan programs, studies, equipment, code upgrades, engineering, and land surveys. While there are ownership costs involved with these types of projects, it is not possible to determine these costs. As a result, the total Estimated Lifetime Ownership Costs presented in this report may be understated.

The report format is essentially the same as the Executive Budget. Part II of the report is the Estimated Lifetime Ownership Cost summary totals for all nine components of the FY'83-'84 Executive Budget Capital Program. Part III is the detailed analysis of each component. In each case, the request year and individual project requests are listed in the same order as in the Executive Budget. This format will allow easy comparison with the Executive Budget.

Please refer to Exhibit "A" for an explanation of the Executive Budget Component Analysis portion of the report. The "Budget Component" and "Total Funds" columns have all project information listed in the exact order as the Executive Budget. The third column lists the Estimated Lifetime Ownership Cost for each project. If the project is not subject to an Estimated Lifetime Ownership Cost Analysis, the amount of the request is entered. All monetary amounts are in thousands of dollars (\$K).

The "General Fund", "Voter Approval", and "All Other Funds" columns show by an "X" how the project is to be approved and/or funded. For example, in Exhibit "A", all projects are a part of the FY'84 Voter Approval Package. The "Page Number" column refers to the page in the Executive Budget where project detail is provided.

As shown in Exhibit "A", each component will have a cost summary which gives totals for the FY'83 Cash, FY'83 and '84 Voter Approval Packages.

It should be noted that even though the Estimated Lifetime Ownership Costs are for a 30-year period, it is not possible to determine a "per year" cost by dividing by 30. To do this would result in a severely distorted figure.

EDUCATION

'84 Voter Approval

<u>Budget Component</u>	<u>Total Funds</u>	<u>Est. Lifetime Ownership Cost</u>	<u>General Fund</u>	<u>Voter Approval</u>	<u>All Other Funds</u>	<u>Page Number</u>
University of Alaska						
University of Alaska						
UAF Student Housing				X		47
Renovation/Repair/Code Upgrade				X		47
UAJ-Student Housing				X		47
UAA Classroom				X		47
Agency Total						

EDUCATION COMPONENT SUMMARY

	<u>Total Requests</u>	<u>Est. Lifetime Ownership Cost</u>
FY'83 Cash		
FY'83 Voter Approval		
FY'84 Voter Approval		

EXHIBIT "A"

PART II

ESTIMATED LIFETIME OWNERSHIP COST SUMMARY  
FY'83-'84 EXECUTIVE BUDGET CAPITAL PROGRAM

ESTIMATED LIFETIME OWNERSHIP COST SUMMARY  
 FY'83-'84 EXECUTIVE BUDGET CAPITAL PROGRAM

I. FY'83 CASH

<u>Component</u>	<u>Request (\$K)</u>	<u>Est. Lifetime Ownership Costs (\$K)</u>
Education	135,112.6	413,097.8
Social Services	4,317.6	7,031.6
Health	13,850.6	87,299.3
Nat. Resource Mgmt.	60,233.8	213,198.1
Public Protection	3,012.7	7,061.0
Admin. of Justice	81,446.1	900,723.3
Development	390,752.0	405,441.1
Transportation	393,987.4	775,418.4*
General Government	<u>25,092.0</u>	<u>73,982.1</u>
FY'83 Cash Total	<u>1,107,804.8</u>	<u>2,893,252.7</u>

II. FY'83 VOTER APPROVAL

<u>Component</u>	<u>Request (\$K)</u>	<u>Est. Lifetime Ownership Costs (\$K)</u>
Education	21,156.8	169,672.2
Social Services	0.0	0.0
Health	0.0	0.0
Nat. Resource Mgmt.	21,650.0	69,283.0
Public Protection	0.0	0.0
Admin. of Justice	0.0	0.0
Development	0.0	0.0
Transportation	254,815.8	511,110.2
General Government	<u>0.0</u>	<u>0.0</u>
FY'83 Voter Approval Total	<u>297,622.6</u>	<u>750,065.4</u>

III. FY'84 VOTER APPROVAL

<u>Component</u>	<u>Request (\$K)</u>	<u>Est. Lifetime Ownership Costs (\$K)</u>
Education	58,678.4	630,587.0
Social Services	0.0	0.0
Health	0.0	0.0
Nat. Resource Mgmt.	47,184.0	217,937.0
Public Protection	10,831.1	101,215.0
Admin. of Justice	0.0	0.0
Development	0.0	0.0
Transportation	406,522.1	1,292,472.3
General Government	<u>660,000.0</u>	<u>660,000.0</u>
FY'84 Voter Approval Total	<u>1,183,215.6</u>	<u>2,902,211.3</u>

\* A significant portion of the Transportation component is for rehabilitating existing capital projects. In the long run, rehabilitation costs are much less than reconstruction costs for deteriorated roads, runways, etc.

PART III

FY '83-'84 EXECUTIVE BUDGET

COMPONENT ANALYSIS

EDUCATION

EDUCATION

'83 Cash and '83 Voter Approval

<u>Budget Component</u>	<u>Total Funds</u>	<u>Est. Lifetime Ownership Cost</u>	<u>General Fund</u>	<u>Voter Approval</u>	<u>All Other Funds</u>	<u>Page Number</u>
Elementary and Secondary Education						
Department of Education						
Statewide Emerg Repair/Renova	2000.0	2000.0	X			24
Rural Schools Lease Fund	200.0	200.0	X			24
St School Site Ownership Survey	200.0	200.0	X			24
Central Cor Stu-Develop Basic	240.0	240.0	X			23
Chatham Dist Maj Maint Phase II	16.0	16.0	X			23
SW Reg Dist Oil Tank Dyke Phase	230.4	230.4	X			23
Iditarod Flat-Minchom Site Acq	100.0	100.0	X			23
Bering St Steb/St Mich Const	600.0	600.0	X			23
Copper Riv Glennallen Land Acq	100.0	100.0	X			23
Ak Railb Tri-Val Coal Conv SF	700.0	700.0	X			23
AK Gateway Athl Fac Shortfall	450.0	450.0	X			23
Delta/Greely Delta Central Heat	700.0	700.0	X			23
NW Arctic Kotzebue Energy Retr	65.0	65.0	X			23
NW Arctic Deering Code Upgr/St	145.0	145.0	X			23
Low Kus Bethel Mikel Code Upgrade	280.0	280.0	X			23
Ak Gateway District W Code Upgrade	900.0	900.0	X			22
Delta/Greely Delta Restrooms	50.0	50.0	X			22
Southeast Kasaaan School Addition	940.0	11145.0		X		22
Copper Riv Chistochina Elem Add.	534.6	6339.0		X		22
NW Arctic Buckland Remo/Add.	195.0	195.0	X			22
Yukon Flats Circle Elem/Sec Add.	2000.0	23713.0		X		22
Copper River Gakona Sch Rem/Add.	312.0	312.0	X			22
Bering St Savoonga High School Add	1200.0	14228.0		X		22
Whittier Multipurpose Addition	1200.0	14228.0		X		22
Iditarod McGrath Expansion Phase I	1000.0	11857.0		X		22
Northway Sec/Elem Classroom Remodel	1850.0	1850.0		X		22
Yukon Flats Ft Yukon Gym	1320.0	15651.0		X		22
Railbelt Tri-Valley Port Rep.	1125.0	13339.0		X		21
Ft. Greely Remodel Old Gym	600.0	600.0		X		21

EDUCATION

'83 Cash and '83 Voter Approval

<u>Budget Component</u>	<u>Total Funds</u>	<u>Est. Lifetime Ownership Cost</u>	<u>General Fund</u>	<u>Voter Approval</u>	<u>All Other Funds</u>	<u>Page Number</u>
Ft. Greely Multipurpose Addition	1100.0	13042.0		X		21
NW Arctic Kobuk School Upgrade	45.0	45.0	X			21
Bering St Teller School Site Eros	200.0	200.0	X			21
NW Arctic Shungnak School Upgrade	75.0	75.0	X			21
NW Arctic Ambler School Upgrade	719.0	719.0	X			21
NW Arctic Noatak Tankfarm Relo	283.0	283.0	X			21
Ak Railbelt Tri-Valley School	925.0	925.0	X			21
Chatham Districtwide Maj Maint	85.5	85.5	X			21
Lake & Peninsula Dist School Upgrade	2055.0	2055.0	X			20
Lower Kus Bethel Kilb School Upgrade	2200.0	2200.0		X		20
NW Arctic Kotzebue E/S Upgrade Ph 2	706.0	706.0		X		20
Yukon Flats Five Mile School	1200.0	14228.0		X		20
Southeast Island Long Island School	860.0	10197.0		X		20
Yukon Flats Central School	1200.0	14228.0		X		20
Yukon Flats Northern Lts School	185.0	2193.0	X			20
Atka School Phase II	2121.2	2121.2		X		20
Aleutian Akutan School Replacement	2168.6	25712.0	X			20
Bering St Brevig Mis Elem Safe	3485.0	41320.0	X			20
Bettles Field School Replacement	1420.0	16836.0	X			20
Bering St Golovin School Water	1000.0	4619.0	X			19
Lower Yukon Pitkas Pt School Rep	631.8	7491.0	X			19
Teller Water System Upgrade	1000.0	4619.0	X			19
Bering St Brevig Mis School Water	1000.0	4619.0	X			19
Koyuk School Water/Sewer Upgrade	1000.0	4619.0	X			19
Lake & Peni Port Alsworth Safe	2162.4	25639.0	X			19
Bering St Unalakleet Elem Safe	3800.0	45055.0	X			19
Ak Railbelt Dist Life Safety	100.0	100.0	X			19
SW Reg Life Safety Co Upgrade	2100.0	2100.0	X			19
Yukon/Koyukuk Dist. H&L Safety	2266.8	2266.8	X			19
Agency Total	55347.3	368731.9				

EDUCATION

'84 Voter Approval

<u>Budget Component</u>	<u>Total Funds</u>	<u>Est. Lifetime Ownership Cost</u>	<u>General Fund</u>	<u>Voter Approval</u>	<u>All Other Funds</u>	<u>Page Number</u>
Elementary and Secondary Education						
Department of Education						
Iditarod Anvik Kit/Food Sto Ad	1200.0	14228.0		X		25
Aleutain Nelson Lagoon Ad Phase 2	1377.5	16332.0		X		25
Bering St White Mt Lib/Media	1000.0	11857.0		X		25
Dot Lake Renovation & Addition	1800.9	21353.0		X		25
Yukon Fts Stev Vil Elem/Sec RP	2000.0	23713.0		X		25
SW Clarks Point Replacement	2100.0	24899.0		X		25
Iditarod Grayling Spec Insc Ad.	1200.0	14228.0		X		25
Agency Total	10678.4	126610.0				

EDUCATION

'83 Cash and '83 Voter Approval

Educ Info & Cult Services						
Department of Education						
St Lib-Auto Circ/Res System	160.0	160.0	X			32
St Lib-Microfilm Equipment	125.0	125.0	X			32
Ak Hist Com-Ak Hist Textbook	150.0	150.0	X			33
St Lib-Const/Remod Grt	500.0	500.0	X			33
St Lib-Rare Alaskana	30.0	30.0	X			33
St Lib-Winter/Pond Hist Photo	60.0	60.0	X			33
St Lib-Film Collection	100.0	100.0	X			32
St Lib-Video Duplication	135.0	135.0	X			32
Arts Council Cap Equip Grants	250.0	250.0	X			31
State Museum Compact Storage	91.1	91.1	X			31
State Museum Purchase Acquisi	120.0	120.0	X			31
State Museum Expansion Project	1000.0	11857.0	X			31
Agency Total	2721.0	13578.1				

EDUCATION

'83 Cash and '83 Voter Approval

<u>Budget Component</u>	<u>Total Funds</u>	<u>Est. Lifetime Ownership Cost</u>	<u>General Fund</u>	<u>Voter Approval</u>	<u>All Other Funds</u>	<u>Page Number</u>
<b>Adult Postsecondary Education</b>						
<b>Department of Education</b>						
Fairbanks Fire Training Equip.	132.0	132.0	X			38
Alaska Student Loan Program	67500.0	67500.0	X		X	39
Curbs and backtopping	150.0	150.0	X			38
80 Person Dormitory	3325.0	39423.0	X			38
Student Service Center	4975.0	58987.0	X			38
<b>Agency Total</b>	<b>76082.0</b>	<b>166192.0</b>				
<b>University of Alaska</b>						
<b>University of Alaska</b>						
Cree Library Acquisitions	235.0	235.0	X			44
UAJ Library Books	429.0	429.0	X			44
UAJ Construction & Instruction	719.0	9525.0	X			43
Statewide Equipment	4000.0	4000.0	X			43
Upgrade of Uacn Computer	4753.0	4753.0	X			43
UAF-Student Resident Halls	4000.0	4000.0	X			43
Palmer Emergency Generator	33.0	33.0	X			46
UAA Bookstore Fixtures	300.0	300.0	X			45
UAF Coal Handling Facility	1200.0	5543.0	X			45
Telecommunications	1000.0	1000.0	X			45
UAF Water Treatment	450.0	450.0	X			45
Renovation/Repair/Code Upgrade	4000.0	4000.0	X			44
Campus Master Planning	1000.0	1000.0	X			44
<b>Agency Total</b>	<b>22119.0</b>	<b>34268.0</b>				

EDUCATION

'84 Voter Approval

<u>Budget Component</u>	<u>Total Funds</u>	<u>Est. Lifetime Ownership Cost</u>	<u>General Fund</u>	<u>Voter Approval</u>	<u>All Other Funds</u>	<u>Page Number</u>
University of Alaska						
University of Alaska						
UAF Student Housing	10000.0	118566.0		X		47
Renovation/Repair/Code Upgrade	6000.0	6000.0		X		47
UAJ-Student Housing	12000.0	142279.0		X		47
UAA Classroom	20000.0	237132.0		X		47
Agency Total	48000.0	503977.0				

EDUCATION COMPONENT SUMMARY

	<u>Total Requests</u>	<u>Est. Lifetime Ownership Cost</u>
FY'83 Cash	135,112.6	413,097.8
FY'83 Voter Approval	21,156.8	169,672.2
FY'84 Voter Approval	58,678.4	630,587.0

S O C I A L   S E R V I C E S

SOCIAL SERVICES

'83 Cash and '83 Voter Approval

<u>Budget Component</u>	<u>Total Funds</u>	<u>Est. Lifetime Ownership Cost</u>	<u>General Fund</u>	<u>Voter Approval</u>	<u>All Other Funds</u>	<u>Page Number</u>
<b>Social and Economic Assistance for the Aged</b>						
Department of Administration						
Safety Upgrade-Palmer	949.3	949.3	X			55
Parking Lot-Anchorage	250.0	2964.0	X			56
Furnishings & Laundry-Sitka	150.0	150.0	X			55
Modernize Heat System-Sitka	884.8	884.8	X			55
Repairs-Fairbanks & Palmer	300.0	300.0	X			55
Building Repair-Palmer	600.0	600.0	X			56
Agency Total	3134.1	5848.1				
<b>Employment Stabilization</b>						
Department of Labor						
Juneau Telephone System	195.3	195.3	X			60
Operating System Upgrade	15.0	15.0			X	61
IBM-3350-B Acquisition	34.9	34.9			X	61
CPU Replacement-Juneau	527.1	527.1			X	61
Site Preparation-Juneau	190.0	190.0			X	60
Fix Rural Off - Beth Dill Kotz	74.6	74.6	X			60
Anchorage Consolidated Offices	146.6	146.6	X			60
Agency Total	1183.5	1183.5				

SOCIAL SERVICES COMPONENT SUMMARY

	<u>Total Requests</u>	<u>Est. Lifetime Ownership Cost</u>
FY'83 Cash	4,317.6	7,031.6
FY'83 Voter Approval	0.0	0.0
FY'84 Voter Approval	0.0	0.0

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HEALTH

HEALTH

'83 Cash and '83 Voter Approval

<u>Budget Component</u>	<u>Total Funds</u>	<u>Est. Lifetime Ownership Cost</u>	<u>General Fund</u>	<u>Voter Approval</u>	<u>All Other Funds</u>	<u>Page Number</u>
<b>Public Health</b>						
Department of Health & Social Services						
Juneau Health Center Plan	22.4	22.4	X			71
Fairbanks Health Center Plan	12.0	12.0	X			70
EMS Equipment	523.0	523.0	X			70
Anchorage Laboratory	539.0	6976.0	X			70
Ketch Health Center & Office Sp	315.6	315.6	X			70
Homer Health Center Plan	17.0	17.0	X			69
Palmer Health Center Plan	15.8	15.8	X			69
Wrangell Health Center	611.3	7912.0	X			69
PH Statewide Maintenance	219.4	219.4	X			69
Agency Total	2275.5	16013.2				
<b>Mental Health &amp; D.D.</b>						
Department of Health & Social Services						
DD & MH Management Info Syst	208.9	208.9	X			76
Security Fencing - API	396.8	396.8	X			76
HDC Rebuild Mechanical System	750.0	750.0	X			76
HDC Roof Replacement	1400.0	1400.0	X			76
Energy Audit Mod HDC	380.0	380.0	X			79
Predischarge Unit Mod-HDC	300.0	300.0	X			79
Add Floors - API Plan	200.0	200.0	X			78
Waste Incinerator - API	175.0	175.0	X			78
Landscaping - Harborview	100.0	100.0	X			78
Warehouse Plan Const-API	331.2	331.2	X			78
Barrier Free Access-Harborview	160.0	160.0	X			77
Childrens Facility - API	5000.0	64711.0	X			77
Fire Code Update - API & HDC	150.0	150.0	X			77
Building Maint - API & HDC	200.0	200.0	X			77
Agency Total	9751.9	69462.9				

HEALTH

'83 Cash and '83 Voter Approval

<u>Budget Component</u>	<u>Total Funds</u>	<u>Est. Lifetime Ownership Cost</u>	<u>General Fund</u>	<u>Voter Approval</u>	<u>All Other Funds</u>	<u>Page Number</u>
HSS Admin and Support						
Department of Health & Social Services						
Vital Records Automation	148.2	148.2	X			83
PA Eligibility System EIS	1500.0	1500.0	X		X	83
Health Fac Inv Phase II	75.0	75.0	X			83
Automated Vouchering System	100.0	100.0	X			83
Agency Total	1823.2	1823.2				

HEALTH COMPONENT SUMMARY

	<u>Total Requested</u>	<u>Est. Lifetime Ownership Cost</u>
FY'83 Cash	13,850.6	87,299.3
FY'83 Voter Approval	0.0	0.0
FY'84 Voter Approval	0.0	0.0

NATURAL RESOURCE MANAGEMENT  
&  
ENVIRONMENTAL CONSERVATION

NATURAL RESOURCE MANAGEMENT &  
ENVIRONMENTAL CONSERVATION

'83 Cash and '83 Voter Approval

<u>Budget Component</u>	<u>Total Funds</u>	<u>Est. Lifetime Ownership Cost</u>	<u>General Fund</u>	<u>Voter Approval</u>	<u>All Other Funds</u>	<u>Page Number</u>
Management and Administration						
Department of Natural Resources						
Microfilming/Auto Drafting	890.0	890.0	X			91
ALARS	1100.0	1100.0	X			91
Offshore/Marine Boundary	2750.0	2750.0	X			91
Cadastral Land Surveying	8833.5	8833.5	X			91
Orthophoto Quad Mapping	944.0	944.0	X			92
Agency Total	14517.5	14517.5				
Land Management						
Department of Natural Resources						
Anch Land Deficiency Payment	4000.0	4000.0	X			94
Agency Total	4000.0	4000.0				
Mangement of Mineral Res						
Department of Natural Resources						
Resource Inven/Eval/Mapping	7956.2	7956.2	X		X	97
Geologic/Geophysical Inter	2846.0	2846.0	X			97
Agency Total	10802.2	10802.2				
Parks and Recreation						
Department of Natural Resources						
Haines Visitor Center	1047.5	13557.0	X			100
Wayside Drinking Water	200.0	924.0	X			100
Park Radio Communications	50.0	50.0	X			100
Kenai River Development	500.0	2309.0	X			100
Agency Total	1797.5	16840.0				

NATURAL RESOURCE MANAGEMENT &  
ENVIRONMENTAL CONSERVATION

'83 Cash and '83 Voter Approval

<u>Budget Component</u>	<u>Total Funds</u>	<u>Est. Lifetime Ownership Cost</u>	<u>General Fund</u>	<u>Voter Approval</u>	<u>All Other Funds</u>	<u>Page Number</u>
Fish and Game Resource						
Department of Fish & Game						
Yakutat Housing and Warehouse	211.2	2733.0	X			103
Vessels Major Maintenance FY83	121.2	121.2	X			103
Petersburg Facilities	1330.6	17221.0	X			104
Bethel Office and Housing	1575.0	20384.0	X			103
Fairbanks Office Expansion	1568.7	20303.0	X			103
Eagle Project	100.0	100.0	X			111
Stikine River Studies	509.0	509.0	X			111
Fishpass Projects	250.0	250.0	X			110
Incubation & Rearing Equip	600.0	600.0	X			110
Lake Fertilization/Limnology	1000.0	1000.0	X			110
Cannery Creek Modification	350.0	350.0	X			110
Crystal Hatchery Improvements	170.0	170.0	X			109
Trout Fisheries Development	100.0	100.0	X			109
Shellfish Assessment Equip	94.0	94.0	X			109
Shellfish Pot Replacement	132.1	132.1	X			109
Potter Point Refuge Turnouts	30.0	30.0	X			108
Packers Lake Feasibility Study	75.0	75.0	X			108
Hatchery Equipment	365.0	365.0	X			108
Sonar Research & Maintenance	300.0	300.0	X			108
Copper River Sonar Substrate	240.6	240.6	X			107
Weirs Towers and Fishwheels	95.0	95.0	X			107
Aircraft Purchase	200.0	200.0	X			107
Russell Creek Remedial Work	2000.0	2000.0	X			107
Habitat Improvement	400.0	400.0	X			106
Hidden Falls Development	500.0	500.0	X			106
PWS Hatchery Transport	350.0	350.0	X			106
Data Management	2700.0	2700.0	X			106

NATURAL RESOURCE MANAGEMENT &  
ENVIRONMENTAL CONSERVATION

'83 Cash and '83 Voter Approval

<u>Budget Component</u>	<u>Total Funds</u>	<u>Est. Lifetime Ownership Cost</u>	<u>General Fund</u>	<u>Voter Approval</u>	<u>All Other Funds</u>	<u>Page Number</u>
Communication Equipment	93.8	93.8	X			105
Cook Inlet Stock Management	704.1	704.1	X			105
Kodiak Crab Modeling	185.0	185.0	X			105
Field Station Facilities	168.5	778.0	X			105
Cordova Fencing & Fill	130.0	130.0	X			104
Delta Fish and Game Office	25.0	25.0	X			104
Glennallen Facilities	1210.2	15663.0	X			104
Agency Total	17884.0	17578.9				

NATURAL RESOURCE MANAGEMENT &  
ENVIRONMENTAL CONSERVATION

'84 Voter Approval

Fish and Game Resource						
Department of Fish & Game						
Hidden Falls Development	2900.0	13395.0		X		112
Snettisham Hatchery Completion	2498.0	11538.0		X		112
Kitoi Hatchery Development	4200.0	19399.0		X		112
Klawock Hatchery Development	3900.0	18014.0		X		112
Beaver Falls Hatchery	3686.0	17025.0		X		113
Agency Total	17184.0	79371.0				

NATURAL RESOURCE MANAGEMENT &  
ENVIRONMENTAL CONSERVATION

'83 Cash and '83 Voter Approval

<u>Budget Component</u>	<u>Total Funds</u>	<u>Est. Lifetime Ownership Cost</u>	<u>General Fund</u>	<u>Voter Approval</u>	<u>All Other Funds</u>	<u>Page Number</u>
<b>Fish and Game Resource</b>						
Department of Public Safety						
Navigation System	58.1	58.1	X			114
Statewide Equipment	100.0	100.0	X			114
Two 28-32 Foot Patrol Vessels	362.0	362.0	X			114
Agency Total	520.1	520.1				
<b>Environmental Conservation</b>						
Department of Environmental Conservation						
Village Safe Water	6650.0	30715.0		X		121
Water, Sewer and Solid Waste	25000.0	115472.0	X	X		121
Laboratory Equipment	212.5	212.5	X			121
Data Management System	500.0	500.0	X			121
Agency Total	32362.5	146899.5				

NATURAL RESOURCE MANAGEMENT &  
ENVIRONMENTAL CONSERVATION

'84 Voter Approval

<b>Environmental Conservation</b>						
Department of Environmental Conservation						
Village Safe Water	5000.0	23094.0		X		122
Water, Sewer, and Solid Waste	25000.0	115472.0		X		122
Agency Total	30000.0	138566.0				

NATURAL RESOURCE MANAGEMENT & ENVIRONMENTAL  
CONSERVATION COMPONENT SUMMARY

	<u>Total Requests</u>	<u>Est. Lifetime Ownership Cost</u>
FY'83 Cash	60,233.8	213,198.1
FY'83 Voter Approval	21,650.0	69,283.0
FY'84 Voter Approval	47,184.0	217,937.0

PUBLIC PROTECTION

III-20

PUBLIC PROTECTION

'83 Cash and '83 Voter Approval

<u>Budget Component</u>	<u>Total Funds</u>	<u>Est. Lifetime Ownership Cost</u>	<u>General Fund</u>	<u>Voter Approval</u>	<u>All Other Funds</u>	<u>Page Number</u>
<b>Consumer Protection</b>						
Dept. of Commerce & Econ. Development						
Lab Equipment	49.5	49.5	X			128
Agency Total	49.5	49.5				
<b>Consumer Protection</b>						
Department of Enviromental Conservation						
Autoclave - Palmer Lab	25.0	25.0	X			128
Agency Total	25.0	25.0				
<b>Life and Property Protection</b>						
Department of Military Affairs						
Multi Unit Armory/Anch	250.0	250.0	X			130
Camp Carroll Upgrade/Anch	493.7	2280.0	X			131
CAP Facilities Upgrade	79.3	79.3	X			130
Road and Fence/Anch	625.0	2887.0	X			130
Upgrade State Facilities	1415.0	1415.0	X			130
Agency Total	2863.0	6911.3				
<b>Life and Property Protection</b>						
Department of Public Safety						
Microfilm Equipment	75.2	75.2	X			137
Agency Total	75.2	75.2				

PUBLIC PROTECTION

'84 Voter Approval

<u>Budget Component</u>	<u>Total Funds</u>	<u>Est. Lifetime Ownership Cost</u>	<u>General Fund</u>	<u>Voter Approval</u>	<u>All Other Funds</u>	<u>Page Number</u>
Life and Property Protection						
Department of Military Affairs						
Armory/OMS/Kotz	1915.2	8428.0		X		132
CAP Maintenance Hangar/Anch.	3918.8	50718.0		X		132
Multi Unit Armory/Anch.	4997.1	42069.0		X		132
Agency Total	10831.1	101215.0				

PUBLIC PROTECTION COMPONENT SUMMARY

	<u>Total Requests</u>	<u>Est. Lifetime Ownership Cost</u>
FY'83 Cash	3,012.7	7,061.0
FY'83 Voter Approval	0.0	0.0
FY'84 Voter Approval	10,831.1	101,215.0

A D M I N I S T R A T I O N   O F   J U S T I C E

ADMINISTRATION OF JUSTICE

'83 Cash and '83 Voter Approval

<u>Budget Component</u>	<u>Total Funds</u>	<u>Est. Lifetime Ownership Cost</u>	<u>General Fund</u>	<u>Voter Approval</u>	<u>All Other Funds</u>	<u>Page Number</u>
Offender Confine Ref & Super						
Dept of Health and Social Services						
Fairbanks CC Fire/Life Safety	707.5	707.5	X			143
Palmer CC Fire & Life Safety	408.2	408.2	X			143
Juneau CC Fire & Life Safety	581.9	581.9	X			143
McLaughlin/API-Entrance Street	1440.0	1440.0	X			143
Juneau-Max Unit Improvements	160.0	160.0	X			147
Juneau Prison Industries	1248.5	16158.0	X			147
Fairbanks Prison Industries	1542.0	19957.0	X			146
Eagle River Prison-Industries	1306.2	16905.0	X			146
Capital Construction Reserve	1855.0	1855.0	X			146
MYC Repairs and Renovation	965.6	965.6	X			146
Palmer CC Addition-Kitchen	825.0	10677.0	X			145
Fairbanks Youth Facility Wing	5358.5	69351.0	X			145
Prison for Long-Term Felons	41000.0	530633.0	X			145
Fairbanks Addition-80 Beds	6555.0	84837.0	X			145
Ketchikan Youth Fac (28 Beds)	7000.0	90596.0	X			144
Statewide CC Ren/Rep-Youth	150.0	150.0	X			144
Statewide CC Ren/Rep-Adult	1034.9	1034.9	X			144
Anchorage 3rd Ave CC Renovation	1600.0	1600.0	X			144
Agency Total	73738.3	848017.1				

ADMINISTRATION OF JUSTICE

'83 Cash and '83 Voter Approval

<u>Budget Component</u>	<u>Total Funds</u>	<u>Est. Lifetime Ownership Cost</u>	<u>General Fund</u>	<u>Voter Approval</u>	<u>All Other Funds</u>	<u>Page Number</u>
Crime Id & App						
Department of Public Safety						
Expand Sitka Training Fac.	35.0	453.0	X			152
Richardson Scale House	479.6	6207.0	X			154
Potter Scale House	610.0	7899.0	X			154
Safety Sight/Sound Fence-Sitka	150.0	150.0	X			154
VHF Microwave - Phase II	2000.0	2000.0	X			153
Repair/Modify Sitka Academy	37.0	37.0	X			153
Coldfoot Helicopter Hangar	305.2	3950.0	X			153
Hiller Helicopters	300.0	300.0	X			153
Dalton Highway Housing	1321.0	17097.0	X			152
Soldotna Garage and Equipment	410.8	5317.0	X			152
Info Sys Redesign & Conversion	226.1	226.1	X			152
Modifications-P.S. Bldg. Anch.	262.1	262.1	X			155
Statewide Equipment	150.0	150.0	X			155
Reconstruction of Haines Scale	1000.0	8237.0	X			155
Portable Scales	83.0	83.0	X			155
Anch. Communications Console	338.0	338.0	X			154
Agency Total	7707.8	52706.2				

ADMINISTRATION OF JUSTICE  
COMPONENT SUMMARY

	<u>Total Requests</u>	<u>Est. Lifetime Ownership Cost</u>
FY'83 Cash	81,446.1	900,723.3
FY'83 Voter Approval	0.0	0.0
FY'84 Voter Approval	0.0	0.0

DEVELOPMENT

DEVELOPMENT

'83 Cash and '83 Voter Approval

<u>Budget Component</u>	<u>Total Funds</u>	<u>Est. Lifetime Ownership Cost</u>	<u>General Fund</u>	<u>Voter Approval</u>	<u>All Other Funds</u>	<u>Page Number</u>
<b>Economic Development</b>						
Dept of Commer. & Economic Development						
Fisheries By-Product	131.5	131.5		X		163
Delta I Loans	402.0	402.0		X		163
Delta I Road Linkage	630.0	8154.0		X		164
Pt. McKenzie Facilities	75.0	75.0		X		163
Delta II Expansion	4000.0	4000.0		X		163
Agency Total	5238.0	12762.5				
Department of Natural Resources						
Plant Material Center	600.0	7765.0		X		164
Agency Total	600.0	7765.0				
<b>Community Development</b>						
Department of Community and Regional Affairs						
Regional Strategies	600.0	600.0		X		167
Community Profiles	480.0	480.0		X		167
Agency Total	1080.0	1080.0				
<b>State Loans</b>						
Department of Revenue						
Home Ownership Assistance	90000.0	90000.0		X		169
Special Mortgage Loan Purchase	133000.0	133000.0		X		169
Agency Total	223000.0	223000.0				

DEVELOPMENT

'83 Cash and '83 Voter Approval

<u>Budget Component</u>	<u>Total Funds</u>	<u>Est. Lifetime Ownership Cost</u>	<u>General Fund</u>	<u>Voter Approval</u>	<u>All Other Funds</u>	<u>Page Number</u>
Dept. of Com. & Economic Development						
Commercial Fishing Loans	9400.0	9400.0	X			170
Rural Electrification Rev Loan	6500.0	6500.0	X			172
Residential Care Facil Loans	80.0	80.0	X			172
Child Care Facility Loans	200.0	200.0	X			172
Historical District Loans	500.0	500.0	X			171
Fishermens Mortgage & Note	1800.0	1800.0	X			171
Bulk Fuel Loans	1000.0	1000.0	X			171
Fisheries Enhancement Loans	15000.0	15000.0	X			171
Mining Loans	15000.0	15000.0	X			170
Residential Energy Const. Loans	4500.0	4500.0	X			170
Alt Tech & Energy Loans	4000.0	4000.0	X			170
Agency Total	57980.0	57980.0				
Department of Natural Resources						
Agricultural Rev Loan Fund	10050.0	10050.0	X		X	173
Agency Total	10050.0	10050.0				
Department of Community & Regional Affairs						
Nonconforming Housing Loans	40500.0	40500.0	X			173
Agency Total	40500.0	40500.0				

DEVELOPMENT

'83 Cash and '83 Voter Approval

<u>Budget Component</u>	<u>Total Funds</u>	<u>Est. Lifetime Ownership Cost</u>	<u>General Fund</u>	<u>Voter Approval</u>	<u>All Other Funds</u>	<u>Page Number</u>
Energy Development						
Depart. of Com. & Economic Development						
Kake-Petersburg Intertie	500.0	500.0	X			175
Long Term Energy Plan	350.0	350.0	X			177
Rural Feasibility Studies	2000.0	2000.0	X			176
Angoon Power Project	300.0	300.0	X			176
Lower Kuskokwim Power Plan	2000.0	2000.0	X			175
Susitna Hydro project	25600.0	25600.0	X			175
Rural Waste Heat Construction	2000.0	2000.0	X			175
Residential Energy Cons.	14078.5	14078.5	X			178
Aquifer Tap For Hydropower	430.0	430.0	X			178
Coal Distribution Studies	240.0	240.0	X			178
Village Reconnaissance Studies	1600.0	1600.0	X			178
Energy RD&D Program	2000.0	2000.0	X			177
Village Conservation Retrofit	150.0	150.0	X			177
Wind Cost Effectiveness	940.0	940.0	X			177
Waste Heat for Agriculture	115.0	115.0	X			173
Agency Total	52303.5	52303.5				

DEVELOPMENT COMPONENT SUMMARY

	<u>Total Requests</u>	<u>Est. Lifetime Ownership Cost</u>
FY'83 Cash	390,752.0	405,441.0
FY'83 Voter Approval	0.0	0.0
FY'84 Voter Approval	0.0	0.0

T R A N S P O R T A T I O N

TRANSPORTATION

'83 Cash and '83 Voter Approval

<u>Budget Component</u>	<u>Total Funds</u>	<u>Est. Lifetime Ownership Cost</u>	<u>General Fund</u>	<u>Voter Approval</u>	<u>All Other Funds</u>	<u>Page Number</u>
DOT/PF						
Central Highway Rehab.						
Seward Highway Rehabilitation	10000.0	10000.0	X			202
Sterling Highway Rehabilitation	8500.0	8500.0	X			202
Glenn Highway Rehabilitation	20000.0	20000.0	X			202
Parks Highway Rehabilitation	5000.0	5000.0		X		202
North Kenai Highway Rehab.	3700.0	3700.0		X		202
C Street 9th to Dimond	500.0	500.0	X			202
Copper River Highway Overlay	2000.0	2000.0		X		202
Contingency	1000.0	1000.0	X			202
Agency Total	50700.0	50700.0				
Central Fed Aid Conversion						
Homer Air Carrier Apron	2500.0	8832.0		X		202
Aviation Program Contingency	500.0	500.0		X		202
South Birchwood Loop Phase II	700.0	3233.0		X		202
Town Creek Stream Crossing	2400.0	11085.0		X		202
Agency Total	6100.0	23650.0				
Central Bridge Replace/Rehab.						
Ship Creek Port Access-Bridge	1475.0	1475.0		X		203
Front Street Trestle-Bridge	1000.0	1000.0		X		203
Matanuska River-Bridge	2200.0	2200.0		X		203
Agency Total	4675.0	4675.0				
Central Region Highways						
Supplemental Ch 113/138/118/120	18735.0	18735.0	X		X	203
Boniface Interchange	13125.0	60623.0	X		X	203

TRANSPORTATION

'83 Cash and '83 Voter Approval

<u>Budget Component</u>	<u>Total Funds</u>	<u>Est. Lifetime Ownership Cost</u>	<u>General Fund</u>	<u>Voter Approval</u>	<u>All Other Funds</u>	<u>Page Number</u>
Boniface Pkwy Debarr to Tudor	2650.0	12240.0		X		203
Dimond Boulevard	25000.0	115472.0	X		X	203
Highway Program Contingency	4300.0	4300.0	X	X	X	203
Prelim Engr. projects	1050.0	1050.0	X		X	203
Kodiak Highway Improvements	1700.0	1700.0		X		203
Dillingham Local Roads	1000.0	4619.0		X		203
Kenai Road Improvements	2000.0	9238.0		X		204
Big Lake Road Paving	1000.0	4619.0		X		204
Seward Highway Avalanche Warni	300.0	1386.0		X		204
Near Island Bridge & Approach	17300.0	79906.0	X			204
New Koliganek Road/Bridge Supp	200.0	200.0		X		204
Twin Hills/Cannery Road Supp	200.0	200.0		X		204
Kuskokwim River Gravel Study	220.0	220.0		X		204
Materials Acquisition	400.0	400.0		X		204
Advanced Project Definition	650.0	650.0		X		204
Gravel Roads	365.1	365.1		X		204
Old Seward Hlwy Dimond/Dowling	300.0	300.0		X		204
Sterling Highway Weigh Station	1300.0	1300.0		X		204
Traffic Control Improvements	1500.0	1500.0		X		205
Minnesota Drive Phase 2	20000.0	20000.0			X	205
<b>Agency Total</b>	<b>113295.1</b>	<b>339023.1</b>				
<b>Central Region Aviation</b>						
Kodiak Airport Improvements	4730.0	16711.0	X		X	205
King Salmon West Apron	3100.0	10952.0		X		205
Bethel Runway & Parking Repair	6500.0	22965.0		X		205
Homer Apron Expansion	2200.0	7773.0		X		205
Rural Airport Lighting	1250.0	5774.0		X		205
Aviation Project Contingency	1650.0	1650.0	X	X	X	205
Advanced Project Definition	250.0	250.0		X		205
Aviation Master Plan	650.0	650.0		X		206
<b>Agency Total</b>	<b>20330.0</b>	<b>66725.0</b>				

TRANSPORTATION

'83 Cash and '83 Voter Approval

<u>Budget Component</u>	<u>Total Funds</u>	<u>Est. Lifetime Ownership Cost</u>	<u>General Fund</u>	<u>Voter Approval</u>	<u>All Other Funds</u>	<u>Page Number</u>
<b>Anchorage International Airport</b>						
Domestic Terminal Renovation	18000.0	18000.0		X		
South Air Park Ext & Roads	5300.0	5300.0			X	206
North Air Park	5500.0	5500.0			X	260
Runway 6/L Overlay	3200.0	3200.0			X	206
Annual Improvements	500.0	500.0		X		206
Equipment	500.0	500.0		X		206
Master Plan Updating	100.0	100.0		X		206
Match for ADAP	390.0	390.0	X			206
<b>Agency Total</b>	<b>33490.0</b>	<b>33490.0</b>				
<b>Central Region Marine Trans</b>						
Ferry System Annual Improvement	2000.0	2000.0		X		206
Terminal Const. Contingency	500.0	500.0		X		206
Bartlett Solarium Extension	300.0	300.0		X		207
<b>Agency Total</b>	<b>2800.0</b>	<b>2800.0</b>				
<b>Central Ports &amp; Harbors</b>						
Kodiak Harbor Supplemental	2000.0	2000.0		X		207
Homer Small Boat Harbor Supp	4100.0	4100.0		X		207
Cordova Boat Harbor (Supp)	2000.0	2000.0		X		207
Advanced Project Definition	100.0	100.0		X		207
Harbor & Marine Master Plan	300.0	300.0		X		207
Cherfornak/Nightmute Barge Imp.	400.0	400.0		X		207
Contingency	500.0	500.0		X		207
<b>Agency Total</b>	<b>9400.0</b>	<b>9400.0</b>				

TRANSPORTATION

'83 Cash and '83 Voter Approval

<u>Budget Component</u>	<u>Total Funds</u>	<u>Est. Lifetime Ownership Cost</u>	<u>General Fund</u>	<u>Voter Approval</u>	<u>All Other Funds</u>	<u>Page Number</u>
<b>Central Region Facilities</b>						
Central Material Lab Addition	500.0	4119.0		X		207
Facility Cost Estimations	100.0	100.0		X		207
St Marys Equipment Building	1280.0	10544.0		X		208
Seldovia Maintenance Facility	1430.0	11780.0		X		208
Cooper Landing Maint. Facility	700.0	5766.0		X		208
Soldotna Shop Renovation	925.0	925.0		X		208
Contingency	500.0	500.0		X		208
Replace Building Equipment	103.0	103.0	X			208
<b>Agency Total</b>	<b>5538.0</b>	<b>33837.0</b>				
<b>Interior Highway Rehab.</b>						
Alaska Highway Rehab.	14350.0	14350.0	X			208
Richardson Highway Rehab	16680.0	16680.0	X			208
Parks Highway Rehab.	10000.0	10000.0		X		208
Elliot Highway Rehab	1050.0	1050.0	X			208
Steese Highway Rehab	5125.0	5125.0		X		208
Edgerton Highway Rehab	5240.0	5240.0		X		209
Healy Road	700.0	700.0		X		209
University Avenue Rehab	695.0	695.0		X		209
Contingency	1000.0	1000.0	X			209
<b>Agency Total</b>	<b>54840.0</b>	<b>54840.0</b>				
<b>Interior Fed Aid Conversion</b>						
Weigh Scale Stations (3)	2000.0	2000.0		X		209
Transit Turnouts	900.0	900.0		X		209
Richardson Highway Mile 19-25	1200.0	1200.0		X		209
Tok Highway Mile 51-52	700.0	700.0		X		209
Contingency	500.0	500.0		X		209
<b>Agency Total</b>	<b>5300.0</b>	<b>5300.0</b>				

TRANSPORTATION

'83 Cash and '83 Voter Approval

<u>Budget Component</u>	<u>Total Funds</u>	<u>Est. Lifetime Ownership Cost</u>	<u>General Fund</u>	<u>Voter Approval</u>	<u>All Other Funds</u>	<u>Page Number</u>
Interior Bridge Replace/Rehab						
Denali Highway	2274.0	2274.0		X		209
Northway Road	797.0	797.0		X		209
Agency Total	3071.0	3071.0				
Interior Region Highways						
Richardson Hwy Mile 129 to 186	4220.0	4220.0	X			210
Parks Hwy Rex to McKinley	9150.0	9150.0	X			210
Richardson Hwy Mile 127 to 129	460.0	460.0		X		210
Tok Highway Mile 30 to 91	5030.0	5030.0	X			210
Parks Highway Nenana to Rex	7350.0	7350.0		X		210
Richardson Hwy Mile 192-208	1580.0	1580.0		X		210
Alaska Highway Yerrick Area	14160.0	14160.0	X		X	210
Nome Street Drainage Study	220.0	220.0		X		210
Airport Way Recycle	3950.0	3950.0		X		210
Contingency	5000.0	5000.0		X	X	210
Advanced Project Definition	400.0	400.0		X		210
Geist Road Peger to College	10540.0	48683.0		X		210
Dalton highway Resurface	5000.0	5000.0		X		210
Richardson Highway Miler 138 to 148	10760.0	10760.0	X		X	211
Local Transportation Planning	120.0	120.0		X		211
So. Fairbanks Exp Parks to Peger	12970.0	59907.0	X		X	211
Nome Council Hwy Mile 32 to 42	7470.0	34503.0	X		X	211
College Road Ill to Old Steese	320.0	320.0		X		211
Nome Council Hwy Mile 16 to 22	1140.0	1140.0		X		211
Kiana Airport Access Road	300.0	300.0		X		211
Pilgrim Hot Springs Road	722.0	3335.0		X		211
Stockpile Materials	380.0	380.0		X		211
Agency Total	101242.0	215968.0				

TRANSPORTATION

'83 Cash and '83 Voter Approval

<u>Budget Component</u>	<u>Total Funds</u>	<u>Est. Lifetime Ownership Cost</u>	<u>General Fund</u>	<u>Voter Approval</u>	<u>All Other Funds</u>	<u>Page Number</u>
<b>Interior Region Aviation</b>						
Kotzebue Runway Repair	2750.0	9716.0		X		211
Nome Runway Repairs & Fencing	1875.0	6624.0		X		211
Deadhorse Apron Seal Coating	110.0	110.0		X		212
Kotzebue Airport Master Plan	165.0	165.0		X		212
Advance Project Definition	150.0	150.0		X		212
Aviation Project Contingency	1125.0	1125.0	X	X	X	212
Yukon Crossing New Airport	6600.0	18539.0		X	X	212
Birch Creek Runway Extension	1610.0	4522.0	X		X	212
Barrow Apron Expansion	2750.0	9716.0		X		212
Deadhorse Airport Master Plan	200.0	200.0		X		212
Fairbanks Area System Eval.	270.0	270.0		X		212
Deadhorse CRF Pad/Taxiway	4015.0	14185.0	X		X	212
<b>Agency Total</b>	<b>21620.0</b>	<b>65322.0</b>				
<b>Fairbanks International Airport</b>						
Annual Improvements	200.0	200.0			X	212
<b>Agency Total</b>	<b>200.0</b>	<b>200.0</b>				
<b>Interior Ports &amp; Harbors</b>						
Unalakleet Seawall Study	60.0	60.0		X		213
Kotzebue Erosion Control Recon	110.0	110.0		X		213
Advanced Project Definition	100.0	100.0		X		213
Barge Landing Ramps Phase I	1680.0	7760.0		X		213
Alaska Coal Marine Trans Study	100.0	100.0		X		213
Kotzebue Erosion Control	3000.0	3000.0		X		213
Amble Dock & Erosion Control	110.0	110.0		X		213
Boat Harbor Spec For NW Alaska	110.0	110.0		X		213
Point Hope Beach Matting	190.0	190.0		X		213
Golovin Small Boat Harbor	540.0	540.0		X		213
Contingency	1000.0	1000.0		X		213
Teller Erosion Control	500.0	500.0		X		213
<b>Agency Total</b>	<b>7500.0</b>	<b>13580.0</b>				

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<b>Interior Region Facilities</b>						
Jim River Camp Engr.	1000.0	1000.0		X		214
Ernestine Maintenance Shop	600.0	600.0		X		214
Fairbanks Court & Reg Bldg. Upgrade	1789.0	1789.0		X		214
Nome Airport Sand Building	486.0	4004.0		X		214
Advanced Project Definition	100.0	100.0		X		214
Deadhorse Crash Fire Rescue	1000.0	1000.0		X		214
Nome Materials Lab	265.0	2183.0		X		214
Barrow Airport Crash Rescue	1615.0	13304.0		X		214
Ch. 120 Interior Supplemental	400.0	400.0		X		214
Coldfoot Mobile Home Pads	600.0	4943.0		X		214
82 Mile Steese Maintenance Sta.	100.0	824.0		X		214
Manley Shop Upgrade	145.0	145.0		X		214
Galena Pump Station	275.0	275.0		X		214
Chitina Maintenance Station	375.0	3089.0		X		215
Valdez Equipment Storage	750.0	6178.0		X		215
Electrical System Upgrade	150.0	150.0	X			215
<b>Agency Total</b>	<b>9650.0</b>	<b>39984.0</b>				
<b>Southeast Highway Rehab</b>						
Glacier Highway: Paving	2000.0	2000.0	X			215
Mud Bay Road: Paving	1265.0	1265.0		X		215
Contingency	100.0	100.0	X			215
Haines Flood Repair & Dike	500.0	500.0	X			215
<b>Agency Total</b>	<b>3865.0</b>	<b>3865.0</b>				
<b>Southeast Fed Aid Conversion</b>						
Wrangell Runway Reconstruction	1706.3	1706.3		X		215
Klawock Runway Extension	926.6	2603.0		X		215
Contingency	100.0	100.0		X		215
Sitka Airport Improvement	1700.0	6006.0		X		215
<b>Agency Total</b>	<b>4432.9</b>	<b>10415.3</b>				

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Southeast Bridge Replacement						
Clover Pass Creek Bridge	850.0	850.0		X		216
Fish Creek Bridge	1071.3	1071.3		X		216
Peterson Creek Bridge	573.0	573.0		X		216
Contingency	100.0	100.0		X		216
Agency Total	2594.3	2594.3				
Southeast Region Highways						
Hydaburg Road	5000.0	23094.0	X			216
Sitka Harbor Bridge Painting	632.5	632.5		X		216
Mendenhall Loop Road	4000.0	18475.0	X			216
Old Glacier Highway	2500.0	11547.0	X		X	216
North Douglas Highway Overlay	1375.0	1375.0	X		X	216
Mitkoff Highway	2400.0	2400.0	X		X	216
Klondike Highway Paving	1800.0	1800.0	X		X	216
Lutak Road	2500.0	11547.0	X		X	216
Hoonah - Arterial Connector	3000.0	13857.0		X		216
Angoon - Arterial Connector	500.0	2309.0		X		217
Improved Surface Maintenance	360.0	360.0	X			217
Stikine - Evergreen - Wrangell	2000.0	2000.0	X			217
Petersburg Main Street	700.0	700.0		X		217
Trollers Creek Bridge	532.5	532.5		X		217
Hydaburg Creek Bridge	445.0	445.0		X		217
Klondike Highway Planning/Engr.	20.0	20.0		X		217
Highway Contingency	4000.0	4000.0		X	X	217
Advanced Project Definition	150.0	150.0		X		217
SE Trans Study Update	350.0	350.0		X		217
Starrgavin Creek Culverts	300.0	300.0	X		X	217
Lost River Bridge Replacement	310.0	310.0		X		217
South Tongass Highway Paving	500.0	2309.0		X		217
Glacier Highway Sunny Pt to Airport	345.0	1594.0		X		217
Mendenhall Pen Road Pave	345.0	345.0		X		217
Glacier Highway Norway to Egan	450.0	450.0		X		218
Agency Total	34515.0	100902.0				

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<b>Southeast Region Aviation</b>						
KTN Ferry Dock Relocation	2400.0	2400.0		X		218
Peninsula Pt Seadrome Repl.	782.0	782.0		X		218
Ketchikan Runway Overlay	2500.0	8833.0		X		218
Sitka Airport Vehicle Parking	500.0	1767.0		X		218
Angoon Airport Construction	7000.0	19663.0	X		X	218
Aviation Contingency	2500.0	2500.0		X	X	218
<b>Agency Total</b>	<b>15682.0</b>	<b>35945.0</b>				
<b>Southeast Marine Transportation</b>						
Major Vessel Component Replace	4600.0	4600.0		X		218
Matanuska & Malaspina Repower	3400.0	3400.0		X		218
Terminal Facilities Maintenance	500.0	500.0		X		218
Metlaktla Relocation Study	450.0	450.0		X		218
Feeder Vessel Improvements	650.0	650.0		X		219
Hoonah Terminal Water & Sewer	300.0	300.0		X		219
Prince Rupert Dock Improvement	800.0	800.0		X		219
Advanced Project Definition	50.0	50.0		X		219
Vessel Condition Survey	300.0	300.0		X		219
Mainline Vessel Replace Study	250.0	250.0		X		219
Repower M/V Columbia Supplement	1000.0	1000.0	X			219
Contingency	1225.0	1225.0	X	X		219
<b>Agency Total</b>	<b>13525.0</b>	<b>13525.0</b>				
<b>Southeast Ports &amp; Harbors</b>						
Metlakatla Harbor Construction	1100.0	5081.0		X		219
Pelican Harbor Improvements	700.0	700.0		X		219
South Tongass Jetty	100.0	100.0		X		219
Juneau Launch Ramp	300.0	1386.0		X		219

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Kasaan Port and Harbor	1500.0	6928.0		X		219
Angoon Harbor Improvements	550.0	550.0		X		220
Tenakee Springs Harbor	1000.0	1000.0		X		220
Yakutat Port & Dock Supp	2000.0	2000.0	X			220
Refuge Floats	500.0	2309.0	X			220
Juneau Harbor Development Plan	100.0	100.0		X		220
Contingency & Repairs	200.0	200.0		X		220
Advanced Project Definition	30.0	30.0		X		220
Inventory and Condition Survey	100.0	100.0		X		220
<b>Agency Total</b>	<b>8180.0</b>	<b>20484.0</b>				
<b>Subport Building Electrical RE</b>						
Subport Building Electrical PE	250.0	250.0	X			220
Building HVAC Systems	233.0	233.0	X			220
Electrical Systems Maintenance	136.0	136.0	X			220
Roof Rehabilitation	211.0	211.0	X			220
State Office Building Carpet	184.0	184.0	X			221
Alaska Office Building Carpet	175.0	175.0	X			221
Carpet Replacement	102.0	102.0	X			221
SOB Elevator	200.0	200.0	X			221
Archives Center Foundation	462.0	462.0	X			221
Hydaburg Shop PE	158.4	158.4	X			221
Craig/Klawok Shop	1200.0	9885.0	X			221
<b>Agency Total</b>	<b>3311.4</b>	<b>11996.4</b>				

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Statewide Research Projects						
State Funded Research	500.0	500.0	X			221
New Products Testing/Spcl Project	165.0	165.0	X			221
Engineering Student Program	50.0	50.0	X			221
Rural Airport Edge Lighting	250.0	250.0	X			221
Vandalism to Trans Systems	50.0	50.0	X			221
Cost Effective Corrosion Prot	110.0	110.0	X			221
New Bridge Deck Repair Tech	20.0	20.0	X			222
Breakwater Monitoring Project	25.0	25.0	X			222
Rating/Inspection Marine Facility	210.0	210.0	X			222
Earthquake Hazards Study	18.0	18.0	X			222
Vtol Evaluation	100.0	100.0	X			222
Public Bldg Energy Standards	97.0	97.0	X			222
Energy Conservation	115.0	115.0	X			222
Foundation Materials Handbook	200.0	200.0	X			222
HR Radio Enhancement	45.0	45.0	X			222
Unit Electric Power System	123.0	123.0	X			222
Waste Heat Recovery	80.0	80.0	X			222
Energy System Conversion	30.0	30.0	X			223
Alaskan Solar School	75.0	75.0	X			223
Federal Highway Research PGM	700.0	700.0			X	223
Pavement Deflection Inventory	125.0	125.0	X			223
Thermal Properties Measurement	75.0	75.0	X			223
Roadway Failure Research	120.0	120.0	X			223
Bridge Deck Corrosion Analysis	83.0	83.0	X			223
Geophysical Soils Invest.	160.0	160.0	X			223
Dalton Hwy Performance Study	275.0	275.0	X			223
Truck Weigh in Motion Scales	200.0	200.0	X			223
Agency Total	4001.0	4001.0				

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Statewide Planning & Programming						
Contingency Transportation	26000.0	26000.0	X	X	X	224
Facilities Plan	100.0	100.0	X			224
Transportation Plan Statewide	600.0	600.0	X		X	224
Design & Construction Support	3000.0	3000.0	X			224
State Rail Plan	300.0	300.0	X		X	224
Inventory & Condition	1200.5	1200.5		X		224
Engr/Sci Computer Technology	2000.0	2000.0		X		224
Right Of Way Inventory	500.0	500.0		X		224
Management Information System	950.0	950.0		X		224
Federal HPR/HPL	5000.0	5000.0	X		X	224
Safety Improvement	8000.0	8000.0		X	X	224
Bridges	4000.0	4000.0		X	X	224
Safety & Bridges Contingency	2000.0	2000.0		X	X	224
Reimbursable Projects	10000.0	10000.0			X	225
Mapping	50.0	50.0		X		225
Rail & Grade Separation Study	250.0	250.0		X		225
Optics Lab Equipment	50.0	50.0		X		225
Statewide Aviation System Plan	200.0	200.0	X			225
Life Safety Halon System	500.0	500.0		X		225
Project Inspect Warranty Fund	250.0	250.0		X		225
Vessel Maintenance Facility	9000.0	9000.0		X		225
Traffic Data Study Implement	450.0	450.0	X			225
Local Govt Trans Planning	2000.0	2000.0		X		225
Local Govt Transit Planning	1000.0	1000.0		X		225
Alaska Railroad Transfer	1500.0	1500.0	X			225
Claims Contingency	3000.0	3000.0		X		226
Urban Systems	4000.0	4000.0			X	226
Agency Total	85900.5	85900.5				

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State Equipment Fleet						
1983 Equipment Replacement	14254.0	14254.0			X	226
Juneau Shop Improvements	50.0	50.0		X		226
Anchorage Parts Room Addition	60.0	494.0		X		226
Soldotna Pole Shed	50.0	412.0		X		226
Dillingham Pole Shed	50.0	412.0		X		226
Haines Pole Shed	50.0	412.0		X		226
Juneau Pole Shed	50.0	412.0		X		226
Palmer Shop Addition	350.0	2883.0		X		226
Valdez Shop Addition	200.0	1648.0		X		226
Fairbanks Shop Addition	250.0	2059.0		X		226
Seward Shop Addition	250.0	2059.0		X		227
Anchorage Shop Addition	250.0	2059.0		X		227
Agency Total	15864.0	27154.0				
Statewide Maint Equip Purchase						
Dalton Highway	2838.0	2838.0	X			227
Interior Region	495.0	495.0		X		227
Southcentral Region	880.0	880.0		X		227
Southeast Region	619.0	619.0		X		227
Central Region	1584.0	1584.0		X		227
Western Region	765.0	765.0		X		227
Agency Total	7181.0	7181.0				

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<u>Budget Component</u>	<u>Total Funds</u>	<u>Est. Lifetime Ownership Cost</u>	<u>General Fund</u>	<u>Voter Approval</u>	<u>All Other Funds</u>	<u>Page Number</u>
Central Highway Rehab						
DOT/PF						
Old Glenn Highway Overlay	2500.0	2500.0		X		228
Agency Total	2500.0	2500.0				
Central Fed Aid Conversion						
DOT/PF						
Tustumena Replacement	55000.0	55000.0		X		228
Agency Total	55000.0	55000.0				
Central Local Roads						
DOT/PF						
Naknek Beach Access Rd	4400.0	20323.0		X		228
Kenai Pen Area Road Reconstruct	3500.0	3500.0		X		228
Mat-Su Area Road Reconstuction	3000.0	3000.0		X		228
AC Couplet 6th Avenue - Tudor	15000.0	69283.0		X		228
Glenn Highway	1800.0	1800.0		X		228
Contingency	1000.0	1000.0		X		228
Boniface Pkwy Debarr/Tudor	10200.0	47112.0		X		228
Mill Bay Road	1200.0	1200.0		X		228
Agency Total	40100.0	147218.0				
Central Region Aviation						
DOT/PF						
Aniak Apron Expansion	2600.0	5653.0		X		229
Program Contingency	2600.0	2600.0		X		229
Dillingham Fencing and Storage	650.0	2296.0		X		229
Kokhanok Relocation Supp	3000.0	8427.0		X		229
Pedro Bay Runway Upgrade/Road	2800.0	7865.0		X		229

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Alakanuk Runway Upgrade/Road	4000.0	11236.0		X		229
Mt Village Runway	2200.0	6180.0		X		229
St Marys Lease Lot Improvement	1700.0	6006.0		X		229
King Cove Runway Improvements	1300.0	3652.0		X		229
Iskoryuk Runway Extension	2200.0	6180.0		X		229
Rural Airport Lighting	4600.0	21247.0		X		229
Akiak Runway Extension	3800.0	10674.0		X		229
King Salmon Runway Reconst	7000.0	24731.0		X		229
Ekwok Runway Extension	4000.0	11236.0		X		229
New Koliganek Runway Extension	3800.0	10674.0		X		229
Levelock Runway Extension	2540.0	7135.0		X		229
Manokotak Airport Extension	3150.0	8848.0		X		229
Agency Total	51940.0	154640.0				
Central Region Marine Trans						
DOT/PF						
Kodiak Passenger Facility	900.0	7414.0		X		230
Seldovia Passenger Facility	700.0	5766.0		X		230
Homer Passenger Facility	700.0	5766.0		X		230
Agency Total	2300.0	18946.0				
Central Ports & Harbors						
DOT/PF						
King Cove Dock	1000.0	4619.0		X		230
Valdez Small Boat Harbor	1000.0	4619.0		X		230
Newhalen Barge Facility	500.0	500.0		X		230
Levelock Dock Expansion	1000.0	1000.0		X		230
Cordova Small Boat Harbor P.E.	200.0	200.0		X		230
Seward Facilities	5000.0	23094.0		X		230
Contingency	500.0	500.0		X		230
Agency Total	9200.0	34532.0				