HB

54

(11)

HOUSE COMMITTEE REPORT

Date referred: 2/23/87

FURTHER REFERRALS:

DATE: 3/11/87

The Finance Committee has considered HB 54

"An Act creating the Alaska Seismic Hazard Center."

RECOMMENDS:

[X] replace with CS HB 54 (HESS) [X] the same title
[ ] a new title

[ ] attached amendment(s)

[X] do pass
[ ] do not pass
[ ] no recommendation
[ ] individual recommendations
[ ] additional referral to the _____ Committee

ADOPTS: [ ] _____ letter of intent

ATTACHES NEW FISCAL NOTE(s):

[X] fiscal impact
[ ] zero fiscal note
[ ] zero with analysis
[ ] same as previous fiscal note published _____
[ ] same as previous zero fiscal note published _____

SIGNING DO PASS:

ADAMS
POURCHOT
BOYER
GOLL
ARSON
WACK
HAMMER
RIEGER
BROWN
DAVIS

SIGNING OTHER RECOMMENDATIONS:

WALLIS no rec

Chairman's signature

STATE OF ALASKA 1987 LEGISLATIVE SESSION
FISCAL NOTE

REQUEST:

Bill Version: CSHB 54 (HESS)
Publish Date:

Revision Date:
Title: Creating an Alaska earthquake & volcano hazards assessment project
Sponsor: Koponen & Davis
Requestor: House Finance Committee

Agency Affected: University of Alaska
BRU:

Components:

EXPENDITURES/REVENUES: (Thousands of Dollars)

OPERATING	FY 87	FY 88	FY 89	FY 90	FY 91	FY 92
PERSONAL SERVICES	-	-	-	-	-	-
TRAVEL	-	-	-	-	-	-
CONTRACTUAL	-	-	-	-	-	-
SUPPLIES	-	-	-	-	-	-
EQUIPMENT	-	-	-	-	-	-
LAND & STRUCTURES	-	-	-	-	-	-
GRANTS, CLAIMS	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-
TOTAL OPERATING	-	-	-	-	-	-
CAPITAL	-	-	-	-	-	-
REVENUE	-	-	-	-	-	-

FUNDING: (Thousands of Dollars)

GENERAL FUND	-	-	-	-	-	-
FEDERAL FUNDS	-	-	-	-	-	-
OTHER	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-

POSITIONS:

FULL-TIME	-	-	-	-	-	-
PART-TIME	-	-	-	-	-	-
TEMPORARY	-	-	-	-	-	-

ANALYSIS: (Attach a separate page if necessary)

There is fiscal impact associated with this bill but funds are included in the FY 88 budget. These funds, as well as the need for any new funds, will be addressed through the budget process.

Prepared by: Al Adams, Chair APA
Phone: 465-3706
Division: House Finance Committee
Date: 3/11/87

Approved by Commissioner:
Date:
Agency:

Distribution (by preparer):
- Legislative Finance
- Legislative Sponsor
- Requestor
- Office of Management and Budget
- Impacted Agency(ies)
- Senate Secretary

Offered: 2/23/87
Referred: Finance

5-0253L

Original sponsors: Koponen and Davis

IN THE HOUSE

BY THE HEALTH, EDUCATION AND SOCIAL SERVICES COMMITTEE

CS FOR HOUSE BILL NO. 54 (HESS)

IN THE LEGISLATURE OF THE STATE OF ALASKA

FIFTEENTH LEGISLATURE - FIRST SESSION

A BILL

For an Act entitled: "An Act creating an Alaska earthquake and volcano hazards assessment project."

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

* Section 1. FINDINGS. The legislature finds that the systematic collecting, recording, processing, and archiving of seismic data on earthquakes and volcanic eruptions and the evaluation of the data to identify and assess potential earthquake and volcanic hazards throughout the state are in the public interest and necessary to orderly, safe, and cost-effective economic development and land-use planning.

* Sec. 2. AS 14.40 is amended by adding a new section to read:

Sec. 14.40.075. ESTABLISHMENT OF ALASKA EARTHQUAKE AND VOLCANIC HAZARDS ASSESSMENT PROJECT. (a) The University of Alaska shall establish an Alaska earthquake and volcano hazards assessment project within the seismology program of the geophysical institute. The project shall

(1) collect, record, process, and archive seismic data on earthquakes and volcanic eruptions in the state;

(2) conduct seismological studies relating to earthquake and volcano hazards assessment;

(3) evaluate earthquake and volcanic seismic data to assist in the identification and assessment of earthquake and volcanic hazards that may pose a significant risk to lives and property in the state;

(4) inform public officials, industry, and private citizens

of potential earthquake or volcanic risks and assist in planning to reduce risks to lives and property; and

(5) coordinate its activities with other organizations and agencies that monitor, collect, assess, and conduct research on earthquake and volcano hazards in order to avoid duplication of effort.

(b) The administration and management of the project is under a university employee designated the state seismologist. The state seismologist shall provide timely information concerning earthquake and volcano hazards to public officials, industry, and private citizens and serve as liaison to state and federal agencies in the event of emergencies due to seismic and volcanic activities.

* Sec. 3. AS 41.08.017(b) is repealed and reenacted to read:

(b) Systematic collecting, evaluation, archiving, and distribution of geologic data and information on earthquakes, volcanic eruptions, and engineering geology and identification of potential seismic, volcanic, and other geological hazards throughout the state are in the public interest and necessary to orderly, safe, and cost-effective development.

* Sec. 4. AS 41.08.020(b) is amended to read:

(b) In addition, the division of geological and geophysical surveys shall:

(1) collect, record, evaluate, and distribute data on the quantity, quality, and location of underground, surface, and coastal water of the state;

(2) publish or have published data on the water of the state;

(3) require the filing with it of the results and findings of surveys of water quality, quantity, and location;

(4) require of water well contractors, the filing with it

of basic water and aquifer data normally obtained, including but not limited to well location, estimated elevation, well driller's logs, pumping tests and flow measurements, and water quality determinations;

(5) accept and spend funds for the purposes of this section, AS 41.08.017, and 41.08.035 and enter into agreements with individuals, public or private agencies, communities, private industry, state agencies, and agencies of the federal government;

(6) collect, [RECORD,] evaluate, [ARCHIVE] and distribute <u>geologic</u> data on seismic events and engineering geology of the state;

(7) identify potential seismic hazards that might affect development in the state;

(8) inform public officials and industry about potential seismic hazards that might affect development in the state.

STATE OF ALASKA 1987 LEGISLATIVE SESSION
FISCAL NOTE

Bill Version : CS HB 54
Publish Date :

REQUEST:

Revision Date: 2/18/87
Title : Ak. Earthquakes and Volcanoes Hazards Project
Sponsor : Rep. Koponen and Rep. Davis
Requestor : Rep. Koponen

Agency Affected : Natural Resources
BRU : Geology, Energy and Mining
Components :

EXPENDITURES/REVENUES: (Thousands of Dollars)

OPERATING	FY 87	FY 88	FY 89	FY 90	FY 91	FY 92
PERSONAL SERVICES						
TRAVEL						
CONTRACTUAL						
SUPPLIES						
EQUIPMENT						
LAND & STRUCTURES						
GRANTS, CLAIMS						
MISCELLANEOUS						
TOTAL OPERATING						
CAPITAL						
REVENUE						

FUNDING: (Thousands of Dollars)

GENERAL FUND		75.1 **				
FEDERAL FUNDS						
OTHER						
TOTAL		75.1 **				

POSITIONS:

FULL-TIME						
PART-TIME						
TEMPORARY						

ANALYSIS : (Attach a separate page if necessary)

** In the DNR FY 88 proposed budget, 75.1 is being transferred to the University of Alaska to consolidate the State's Seismic Monitoring efforts. This merging of the two programs will facilitate management and provide a measure of economy. (See Page 2)

Prepared by: Carol Wilson — Phone: 465-2400
Division : Commissioner's Office — Date: 2/19/87

Approved by Commissioner: [signature] — Date: 2/19/87
Agency : Natural Resources

Distribution (by preparer) :
Legislative Finance
Legislative Sponsor
Requestor
Office of Management and Budget
Impacted Agency(ies)
Senate Secretary

RECEIVED
MAR 04 1987
LEGISLATIVE FINANCE

HB 54

TRANSFERS FROM/DELETIONS:

AGENCY: Department of Natural Resources
BRU: Geology, Energy and Mining
COMPONENT: Land & Public Safety
PROJECT: Seismic Engineering

FUNDING INFORMATION

TRANSFERS TO/ADDITIONS:

AGENCY: University of Alaska
BRU: Organized Research
COMPONENT: Geophysical Institute
PROJECT: Seismic Monitoring

What is being transferred from or deleted from this unit? Why? Include PCN and position title.

The Seismic Engineering Project is being transferred to the University of Alaska to consolidate the State's Seismic Monitoring efforts. In the past this project has worked closely with the University to monitor and document earthquake activity in Alaska. This merging of the two programs will facilitate the management process and provide a measure of economy as fiscal resources decline.

AMOUNT	EXPEND. BY OBJECT		AMOUNT
(71.3)	100	Pers. Service	71.3
(1.0)	200	Travel	1.0
(2.0)	300	Contractual	2.0
(0.8)	400	Supplies	0.8
	500	Equipment	
	600	Lands/Bldgs.	
	700	Grants, Claims	
	800	Miscellaneous	
(75.1)		TOTAL	75.1
		I-A Transfer	
	1002	Fed. Receipts	
	1003	GF Match	
(75.1)	1004	General Fund	75.1
	1006	I-A Receipts	
		Other	
	15	PFT	
	16	PPT	
	17	Non Permanent	
	18	Staff Months	

What is being transferred to or added to this unit? Why? Include PCN and position title.

The Seismic Engineering Project is being transferred to the University of Alaska to consolidate the State's Seismic Monitoring efforts. In the past this project has worked closely with the University to monitor and document earthquake activity in Alaska. This merging of the two programs will facilitate the management process and provide a measure of economy as fiscal resources decline.

CA TRANSFER WITHIN ADJUSTED BASE

AGENCY: Department of Natural Resources
BRU: Geology, Energy and Mining
COMPONENT: Land & Public Safety

Cowper 1/87

Revised Date

FY 88

(6/86)-GS

STATE OF ALASKA 1987 LEGISLATIVE SESSION
FISCAL NOTE

Bill Version: CSHB 54(HESS)
Publish Date HOUSE 2/23/87

REQUEST:

Revision Date:
Title: Creating Alaska Seismic Hazard Center
Sponsor: Koponen
Requestor: House Hess

Agency Affected: University of Alaska
BRU: UAF Organized Research

Components:

EXPENDITURES/REVENUES: (Thousands of Dollars)

OPERATING	FY 87	FY 88	FY 89	FY 90	FY 91	FY 92
PERSONAL SERVICES		17.0	17.5	18.0	18.6	19.1
TRAVEL		17.0	17.5	18.0	18.6	19.1
CONTRACTUAL		40.0	41.2	42.4	43.7	45.0
SUPPLIES		4.0	4.1	4.2	4.4	4.5
EQUIPMENT		22.0	22.7	23.3	24.0	24.8
LAND & STRUCTURES						
GRANTS, CLAIMS						
MISCELLANEOUS						
TOTAL OPERATING		100.0	103.0	106.1	105.3	112.6
CAPITAL						
REVENUE						

FUNDING: (Thousands of Dollars)

GENERAL FUND		100.0	103.0	106.1	109.3	102.6
FEDERAL FUNDS						
OTHER						
TOTAL						

POSITIONS:

FULL-TIME		0	0	0	0	0
PART-TIME						
TEMPORARY						

ANALYSIS: (Attach a separate page if necessary) See attached

Prepared by: Brian Rogers, Director of Budget Development Phone: 907 474-6490
Division: University of Alaska Date: February 20, 1987

Approved by: Vice President Date: February 20, 1987
Agency: University of Alaska

Distribution (by preparer):
- Legislative Finance
- Legislative Sponsor
- Requestor
- Office of Management and Budget
- Impacted Agency(ies)
- Senate Secretary

No. 1
2/23/87

CONTINUATION OF FISCAL NOTE ANALYSIS

For Bill/Resolution No. CSHB 54(HESS)

In August 1986, the UAF Geophysical Institute agreed to take over the seismic hazard program from the Alaska Department of Natural resources. The FY88 UA budget contains $130.5 in partial funding for this program. The additional funding contained in this fiscal note provides funding of Alaska's program for collection, recording and archiving of seismic data at an annual level equivalent to the level when the program was transferred to UAF.

Alaska State Legislature

Representative Mike Davis

P.O. Box V
Juneau, Alaska 99811
(907) 465-4930/4941

Interim Office:
P.O. Box 81435
Fairbanks, Alaska 99708

MEMORANDUM

To: Rep. Al Adams, Chairman
House Finance Committee

From: Rep. Mike Davis, Member
House Finance Committee

Date: March 9, 1987

Re: CSHB 54 (Hess); An Act creating an Alaska earthquake and volcano hazards assessment project.

The House Finance Committee established a subcommittee to review CSHB 54, and the subcommittee was specifically directed to address conflicts regarding the bill's fiscal notes. The establishment of an Alaska earthquake and volcano hazards assessment project does not in itself have a fiscal impact, although there would be costs associated with the project's future activities.

Based on the information provided below, the subcommittee recommends that the bill be allowed to proceed with a zero fiscal note. The subcommittee further recommends that the fiscal note state that budget hearings are the proper forum in which to determine the level of funding to be appropriated for the project.

CSHB 54 is accompanied by two fiscal notes. DNR provided a net-zero fiscal note consisting of a 75.1 transfer from the department to the University of Alaska, whereas the university provided a fiscal note of 100.0 for FY 88 and of slightly more than 100.0 per year for the next four years.

These conflicts emanate from circumstances beyond either party's control. In August 1986, DNR and the university agreed to transfer the position and duties of the state seismologist from DNR to the university's geophysical institute, pending legislative approval. This agreement was based on the understanding that DNR would transfer to the university all of the funds that the department had allocated for that purpose.

The funds in question consisted of 75.1 from DNR's seismic engineering program and 56.4 from the department's seismic monitoring program, for a total of 131.5 [due to a 1.0 discrepancy, the university understood that 130.5 was involved in the transfer]. Prior to the agreement taking place between the agencies, funding for the seismic engineering program had been reduced from 115.7 to 75.1, and funding for the seismic monitoring program had been reduced from 83.0 to 56.4.

Subsequent to the agreement, DNR eliminated all funding for the seismic monitoring program. This funding was eliminated under the direction of OMB, since the 56.4 in question was a one-time-item appropriation that had been provided last year in HB 574.

The result of these actions is that the Department of Natural Resources FY 88 budget shows an outgoing transfer of 75.1 to the University of Alaska, whereas the University of Alaska FY 88 budget shows an incoming transfer of 130.5. The university's 100.0 fiscal note is intended as a supplement to the anticipated transfer of 130.5, for a total FY 88 budget of 230.5.

The subcommittee on CSHB 54 believe that these conflicts are best resolved through the budget process. It is the belief of the subcommittee that the sponsors of the legislation, the University of Alaska, and the Department of Natural Resources concur in taking this approach.

Alaska State Legislature
House of Representatives
COMMITTEE ON HEALTH. EDUCATION
AND SOCIAL SERVICES

OFFICIAL BUSINESS

POUCH V
JUNEAU, AK 99811
465-3759

LETTER OF INTENT

CSHB 54 (HESS)

"AN ACT CREATING AN ALASKA EARTHQUAKE AND VOLCANO HAZARDS ASSESSMENT PROJECT"

It is the intent of the House Health, Education and Social Services Committee that a request be made for federal monies from the Federal Earthquake Hazards Reduction Act of 1977 (Public Law 95-124) and other applicable federal sources to help offset the costs of The Alaska Earthquake and Volcano Hazards Assessment Project. The amount requested should match the state funding level for this program.

In an effort to save the State both time and expense, this letter is offered in place of a resolution to Congress and shall be delivered to the members of the Alaska Congressional Delegation with appropriate backup information.

Rep. Niilo Koponen, Co-Chair

Rep. Johnny Ellis, Co-Chair

February 18, 1986

Alaska State Legislature

Representative Niilo Koponen

Pouch V
Juneau, Alaska 99811
(907) 465-4992

542 4th Avenue, Suite C
Fairbanks, Alaska 99701
(907) 456-8161

POSITION PAPER
HB 54 "AN ACT CREATING AN ALASKA EARTHQUAKE AND VOLCANO HAZARDS ASSESSMENT PROJECT"
FEBRUARY 17, 1987

From the International impact of the 1912 Katmai explosion and 1964 earthquake to the more recent eruptions of Mount St. Augustine last year and in 1976, the State of Alaska has been voted for its seismic activity.

The purpose of this legislation is to ensure that the State maintains a viable seismographic network to record Alaska's earthquake and volcanic eruptions, by establishing the Alaska earthquake and volcanic hazards assessment project within the University of Alaska's Geophysical Institute's seismology program.

To implement this project, the Department of Geological and Geophysical Survey has agreed to transfer to this project the money for seismic monitoring and seismic hazard mitigation for the state of Alaska. DGGS will continue to be responsible for the geological aspects of seismic hazard mitigation.

HB 54 amends AS.14.40 (University of Alaska and Community Colleges) by adding the Alaska Earthquake and Volcanic Hazards Assessment project within the University.AS 41.08.020 (Geological and Geophysical Survey) will maintain it's same responsibilities except for section (6) which will now read "collect, evaluate and distribute geologic data on seismic events and engineering geology of the state".

The creation of the hazards assessment project will place the state of Alaska at the forefront of seismic studies within the nation and the world and provide the data necessary to protect lives and property and preserve safe, cost-effective economic development and land use planning.

public interest and necessary to orderly, safe and cost effective development in the state. (§ 1 ch 41 SLA 1967; am § 1 ch 101 SLA 1980)

Effect of amendments. — The 1980 amendment added geothermal resources to the list of subjects on which the division of geological and geophysical surveys shall collect, record, evaluate, and distribute data.

Sec. 41.08.020. Powers and duties. (a) The state geologist shall conduct geological and geophysical surveys to determine the potential of Alaskan land for production of metals, minerals, fuels, and geothermal resources; the location and supply of groundwater and construction materials; the potential geologic hazard to building roads, bridges and other installations and structures; and shall conduct such other surveys and investigations as will advance knowledge of the geology of Alaska. With the approval of the commissioner, the state geologist may acquire, by gift or purchase, geological and geophysical reports, surveys and similar information.

(b) In addition, the division of geological and geophysical surveys shall

(1) collect, record, evaluate, and distribute data on the quantity, quality and location of underground, surface and coastal water of the state;

(2) publish or have published data on the water of the state;

(3) require the filing with it of the results and findings of surveys of water quality, quantity, and location;

(4) require of water well contractors, the filing with it of basic water and aquifer data normally obtained, including but not limited to well location, estimated elevation, well driller's logs, pumping tests and flow measurements and water quality determinations;

(5) accept and spend funds for the purposes of this section, AS 41.08.017 and 41.08.035 and enter into agreements with individuals, public or private agencies, communities, private industry, state agencies and agencies of the federal government;

(6) collect, record, evaluate, archive and distribute data on seismic events and engineering geology of the state;

(7) identify potential seismic hazards that might affect development in the state;

(8) inform public officials and industry about potential seismic hazards that might affect development in the state. (§ 1 ch 93 SLA 1972; am § 2 ch 41 SLA 1977; am § 7 ch 175 SLA 1979; am § 2 ch 101 SLA 1980)

Cross references. — For declaration of legislative policy on geothermal resources, see § 1 ch 175, SLA 1979, in the Temporary and Special Acts.

Effect of amendments. — The 1980 amendment added "geothermal resources" to the list of subjects on which the division of geological and geophysical surveys shall collect, record, evaluate, and distribute data.

Sec. 41.08.030. Printing and distribution of reports. The state geologist shall print and publish [illegible] special and bulletin reports [illegible] of the state, including the [illegible] made by other persons [illegible] obtained. Reports and maps [illegible] these shall be paid into the [illegible]

Sec. 41.08.035. Regulations. The Department of Natural Resources. The Department of [illegible] lations relating to and governing [illegible] recording, and [illegible] SLA 1970)

Sec. 41.08.040. Cooperation with other agencies. [illegible] geologist with the consent of the [illegible] cooperative agreements with federal [illegible] agencies to perform geological and [illegible] tigations and [illegible]

Chapter 10. Soil Conservation District Law

Section	Section
10 Declaration of policy	80 [illegible]
30 Creation and boundaries of soil conservation district	90 [illegible]
40 Purpose of chapter	[illegible]
50 Soil and water conservation [illegible]	[illegible]
45 Executive director	[illegible]
50 Appointment	[illegible]
60 Qualifications of board members	110 Approval of [illegible]
65 Meetings [illegible]	[illegible]
70 Term of office	[illegible]
75 Board to [illegible]	120 [illegible]

Collateral references. — [illegible]
2d, Agriculture, §§ 16, 22, 41, 42. [illegible]
3 C.J.S., Agriculture, [illegible]

Sec. 41.10.010. Declaration of policy. The [illegible] and grazing land of the state is a [illegible] of the state [illegible] this chapter, in the interest of the health, safety and [illegible] of the people of the state, to provide for the development and conservation of this land on a [illegible] basis. (§ 1 ch 69 SLA 1949)

Sec. 41.10.020. Creation and boundaries of soil conservation district. Repealed, § 11 ch 69 SLA 1949.

STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
OFFICE OF THE COMMISSIONER

STEVE COWPER, GOVERNOR

400 WILLOUGHBY AVE.
JUNEAU, ALASKA 99801-1796
PHONE: (907) 465-2400

March 3, 1987

The Honorable Al Adams
Chairman, House Finance Committee
Alaska State Legislature
P.O. Box V
Juneau, AK 99811

Dear Representative Adams:

Subject: Committee Substitute for House Bill 54 (HESS).

Position: The department supports the establishment of the Alaska earthquake and volcano hazards assessment project within the University of Alaska.

Background: The seismic monitoring program within the Department of Natural Resources was transferred to the Geophysical Institute within the University of Alaska in August of 1986, to consolidate state seismic programs and facilitate program management.

The department is transferring $75.1 in its FY 88 budget to the University to help fund this program.

Please let me know if you would like additional information.

Sincerely,

Lennie Boston Gorsuch
for Judith M. Brady
Commissioner

cc: Representative Koponen
Representative Davis
Committee Members
Governor's Legislative Liaison

10.9LH

STATE OF ALASKA 1987 LEGISLATIVE SESSION
FISCAL NOTE

Bill Version : CS HB 54
Publish Date :

REQUEST:

Revision Date: 2/18/87
Title : Ak. Earthquakes and Volcanoes Hazards Project
Sponsor : Rep. Koponen and Rep. Davis
Requestor : Rep. Koponen

Agency Affected : Natural Resources
BRU : Geology, Energy and Mining
Components :

EXPENDITURES/REVENUES: (Thousands of Dollars)

OPERATING	FY 87	FY 88	FY 89	FY 90	FY 91	FY 92
PERSONAL SERVICES						
TRAVEL						
CONTRACTUAL						
SUPPLIES						
EQUIPMENT						
LAND & STRUCTURES						
GRANTS, CLAIMS						
MISCELLANEOUS						
TOTAL OPERATING						
CAPITAL						
REVENUE						

FUNDING: (Thousands of Dollars)

GENERAL FUND		75.1 **				
FEDERAL FUNDS						
OTHER						
TOTAL		75.1 **				

POSITIONS:

FULL-TIME						
PART-TIME						
TEMPORARY						

ANALYSIS : (Attach a separate page if necessary)

** In the DNR FY 88 proposed budget, 75.1 is being transferred to the University of Alaska to consolidate the State's Seismic Monitoring efforts. This merging of the two programs will facilitate management and provide a measure of economy. (See Page 2)

Prepared by: Carol Wilson — Phone : 465-3400
Division : Commissioner's Office — Date : 2/19/87

Approved by Commissioner : Ronald O Smith — Date : 2/19/87
Agency : Natural Resources

Distribution (by preparer):
- Legislative Finance
- Legislative Sponsor
- Requestor
- Office of Management and Budget
- Impacted Agency(ies)
- Senate Secretary

TRANSFERS FROM/DELETIONS:

AGENCY: Department of Natural Resources
BRU: Geology, Energy and Mining
COMPONENT: Land & Public Safety
PROJECT: Seismic Engineering

FUNDING INFORMATION

TRANSFERS TO/ADDITIONS:

AGENCY: University of Alaska
BRU: Organized Research
COMPONENT: Geophysical Institute
PROJECT: Seismic Monitoring

What is being transferred from or deleted from this unit? Why? Include PCN and position title.

The Seismic Engineering Project is being transferred to the University of Alaska to consolidate the State's Seismic Monitoring efforts. In the past this project has worked closely with the University to monitor and document earthquake activity in Alaska. This merging of the two programs will facilitate the management process and provide a measure of economy as fiscal resources decline.

AMOUNT		EXPEND. BY OBJECT	AMOUNT
(71.3)	100	Pers. Service	71.3
(1.0)	200	Travel	1.0
(2.0)	300	Contractual	2.0
(0.8)	400	Supplies	0.8
	500	Equipment	
	600	Lands/Bldgs.	
	700	Grants, Claims	
	800	Miscellaneous	
(75.1)		TOTAL	75.1
		I-A Transfer	
	1002	Fed. Receipts	
	1003	GF Match	
(75.1)	1004	General Fund	75.1
	1006	I-A Receipts	
		Other	
	15	PFT	
	16	PPT	
	17	Non Permanent	
	18	Staff Months	

What is being transferred to or added to this unit? Why? Include PCN and position title.

The Seismic Engineering Project is being transferred to the University of Alaska to consolidate the State's Seismic Monitoring efforts. In the past this project has worked closely with the University to monitor and document earthquake activity in Alaska. This merging of the two programs will facilitate the management process and provide a measure of economy as fiscal resources decline.

CO: TRANSFER WITHIN ADJUSTED BASE

AGENCY: Department of Natural Resources
BRU: Geology, Energy and Mining
COMPONENT: Land & Public Safety

Cowper 1/87

Revised Date

FY 88

(6/86)-rl

H-HESS
Lisa McCarran

STATE OF ALASKA 1987 LEGISLATIVE SESSION

FISCAL NOTE

REQUEST:

Bill Version: HB54
Publish Date:

Revision Date:
Title: Creating Alaska Seismic Hazard Center
Sponsor: Koponen
Requestor: House Hess

Agency Affected: University of Alaska
BRU: UAF Organized Research

Components:

EXPENDITURES/REVENUES: (Thousands of Dollars)

OPERATING	FY 87	FY 88	FY 89	FY 90	FY 91	FY 92
PERSONAL SERVICES		17.0	17.5	18.0	18.6	19.1
TRAVEL		17.0	17.5	18.0	18.6	19.1
CONTRACTUAL		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SUPPLIES		4.0	4.1	4.2	4.4	4.5
EQUIPMENT		22.2	22.7	23.3	24.0	24.8
LAND & STRUCTURES						
GRANTS, CLAIMS						
MISCELLANEOUS						
TOTAL OPERATING		100.0	103.0	106.1	105.3	112.6
CAPITAL						
REVENUE						

FUNDING: (Thousands of Dollars)

GENERAL FUND		100.0	103.0	106.1	109.3	102.6
FEDERAL FUNDS						
OTHER						
TOTAL						

POSITIONS:

FULL-TIME		0	0	0	0	0
PART-TIME						
TEMPORARY						

ANALYSIS: (Attach a separate page if necessary) See attached

ANALYSIS : (Attach a separate page if necessary) See attached

Prepared by: Brian Rogers, Director of Budget Development Phone: 907 474-6090
Division: University of Alaska Date: February 20, 1987
Approved by: Vice President Date: February 20, 1987
Agency: University of Alaska

Distribution (by preparer):
Legislative Finance
Legislative Sponsor
Requestor
Office of Management and Budget
Impacted Agency(ies)
Senate Secretary

Page ___ of ___

CONTINUATION OF FISCAL NOTE ANALYSIS

For Bill/Resolution No. H354

In August 1986, the UAF Geophysical Institute agreed to take over the seismic hazard program from the Alaska Department of Natural Resources. The FY88 GA budget contains $120.5 in partial funding for this program. The additional funding contained in this fiscal note provides funding of Alaska's program for collection, recording and archiving of seismic data at an annual level equivalent to the level when the program was transferred to UAF.

AGENCY: UNIVERSITY OF ALASKA
CATEGORY: UNIVERSITY OF ALASKA

PROGRAM: INTERIOR/WESTERN UNIV & CC
SUB-PROGRAM: ORGANIZED RESEARCH

LEG. FIN.

* * * * * * * * * * FY87 REV ANALYSIS * * * * * * * * * *

OBJECT GROUP	VARIATION		DESCRIPTION: FY87 REV ($37,199.6) VERSUS FY87 ATH ($37,747.2)
01 PERS. SERV.	-1383.4	-5.1%	REDUCE 22 PFT AND 2 PPT TO ELIMINATE NEGATIVE IN MISC. BY CLOSING IMS LIBRARY, CLOSE AEIDC AS SEPERATE CENTER AND TRANSFER SOME FUNCTIONS, REDUCE AG & FORESTRY STA. RESEARCH, REDUCE LAB ASST. IN MIRL, AND REDUCE CHRD LIBRARY <$954.9>, TRANSFER 6 PFT AND 1 PPT TO UAF, BUT ELIMINATE FUNDS FOR POSITIONS IN OR <$273.4>, REDUCE TEMPORARY LABOR POOLS BY TEH PERCENT TO MEET FY87 RESTRICTIONS <$155.1>.
02 TRAVEL	-62.2	-6.6%	REDUCE TRAVEL IN ALL O/R OFFICES <$62.2>.
03 CONTRACTUAL	-170.3	-2.3%	REDUCE SERVICES TO ELIMINATE NEGATIVE IN MISC. <$27.7>, REDUCE CONTRACTS BY 5 PERCENT TO MEET FY87 RESTRICTIONS <$142.6>.
04 COMMODITIES	-102.6	-4.9%	REDUCE SUPPLIES IN IMS LIBRARY CLOSING TO ELIMINATE NEGATIVE MISC. <$18.7>, REDUCE SUPPLIES IN CHRD LIBRARY TO ELIMINATE NEGATIVE MISC. <$12.6>, REDUCE SUPPLIES BY 5 PERCENT TO MEET FY87 RESTRICTIONS <$71.3>.
08 MISC.	1170.9	-114.2%	INCREASE TO ELIMINATE NEGATIVE IN MISCELLANEOUS $1287.3, TRANSFER TO UAF TO MATCH PROGRAM REDUCTIONS <$116.4>.
** TOTALS	-547.6	-1.5%	

* * * * GOVERNOR'S ANALYSIS (87 REV TO 88 GOV) * * * * *

TOTAL	GEN_FUND	OTH_FUND	PFT	PPT	DESC
276.1	276.1	0.0	0.0	0.0	RESTORE ONE-TIME 87 REDUCTIONS TO SUPPT CATEGORIE #2421
-6591.0	-1548.3	-5042.7	-67.0	-2.0	TRANSFER INST OF MARINE SCI TO NEW FISHERY COMPONENT #2318
130.5	130.5	0.0	0.0	0.0	TRANSFER SEISMIC ENGINEERING PROJECT FROM DNR #2319
0.0	0.0	0.0	0.0	0.0	CHANGE PROGRAM RECEIPT TO OTHER FUND CODE #2333

* * * * PROGRAM DESCRIPTION & PRIOR YEAR INFORMATION * * * *

FY87 INTENT: IT IS THE INTENT OF THE LEGISLATURE THAT ORGANIZED RESEARCH BE ADMINISTERED THROUGH STATEWIDE ADMINISTRATION AS A STATEWIDE SERVICE.

AGENCY RESPONSE: RESEARCH IN A UNIVERSITY SHOULD BE CONDUCTED IN THE CLOSEST AND MOST PRODUCTIVE ASSOCIATION WITH FACULTY AND GRADUATE STUDENTS. AS THE UNIVERSITY STATEWIDE ADMINISTRATION HAS NEITHER FACULTY NOR STUDENTS, ORGANIZED RESEARCH FUNCTIONS ARE MOST APPROPRIATELY ADMINISTERED AT THE INDIVIDUAL UNIVERSITY LEVEL. HOWEVER, THE SYSTEMWIDE ADMINISTRATION HAD BECOME MORE ACTIVE IN SETTING DIRECTION FOR AND APPROACHES TO PRODUCTIVE RESEARCH THROUGH BOTH THE UA SYSTEM SIX-YEAR PLAN AND THE UNIVERSITY RESTRUCTURING PLAN.

FY87 INTENT: IT IS THE INTENT OF THE LEGISLATURE THAT THE K. M. RAE CENTER IN SEWARD REMAIN OPEN AND CONTINUE TO OPERATE DURING JULY AND AUGUST, 1986 AND DURING MAY AND JUNE, 1987.

TRANSFERS FROM/DELETIONS: AGENCY DEPARTMENT OF NATURAL RESOURCES BRU GEOLOGY, ENERGY & MINING RCHEMS		FUNDING INFORMATION		TRANSFERS TO/ADDITIONS: AGENCY UNIVERSITY OF ALASKA BRU ORGANIZED RESEARCH RCHEMS RESEARCH
What is being transferred or deleted from this unit? Why? Include PCN and position title. The Seismic Engineering Project is being transferred to the University of Alaska to consolidate the State's Seismic Monitoring efforts. In the past this project has worked closely with the University to monitor and document earthquake activity in Alaska. This merging of the two programs will facilitate the management process and provide a measure of economy as fiscal resources decline.	AMOUNT (81.3) (2.0) (46.4) (0.8) (130.5) (130.5)	EXPEND. BY OBJECT Personal Services Travel Contractual Supplies Equipment Lands, Buildings Grants, Claims Miscellaneous TOTAL I-A Trans. (Non-Add) Federal Receipts General Fund Match General Fund I-A Receipts Program Receipts Interest Income Student Fees Ind. Cost Recovery Other Rest. Receipts CIP Receipts	AMOUNT 81.3 2.0 46.4 0.8 130.5 130.5	What is being transferred or added to this unit? Why? Include PCN and position title. The Seismic Engineering Project is being transferred to the University of Alaska to consolidate the State's Seismic Monitoring efforts. In the past this project has worked closely with the University to monitor and document earthquake activity in Alaska. This merging of the two programs will facilitate the management process and provide a measure of economy as fiscal resources decline. This transfer will provide funding for position 29651, which is funded with restricted funds in FY87. No other positions or additional months will be added.
		PFT PPT Non Permanent Staff Months		

04 TRANSFER WITHIN ADJUSTED BASE

AGENCY UNIVERSITY OF ALASKA

BRU ORGANIZED RESEARCH

FY88

08-Jan-87

2319

PROJECT NUMBER	PROJECT TITLE	PRIOR YEAR FY 86 ACTUAL		CURRENT YEAR FY 87 AUTHORIZED		FY 87 REVISED		FY 88 TRANSFERS		FY 88 DECREMENTS		FY 88 INCREMENTS		FY 88 REQUEST		GOVERNOR'S BUDGET	
		GENERAL FUNDS	TOTAL	GENERAL FUNDS	TOTAL	GENERAL FUNDS	TOTAL	GENERAL FUNDS	TOTAL	GENERAL FUNDS	TOTAL	GENERAL FUNDS	TOTAL	GENERAL FUNDS	TOTAL	GENERAL FUNDS	TOTAL
98	Archaeological Surveys		'	250.0	250.0	212.5	212.5	(212.5)	(212.5)					0.0	0.0		
99	Archaeological RSA				470.6		470.6		(470.6)					0.0	0.0		
100	Statewide Engineering Geology			302.0	302.0	283.6	283.6	65.9	65.9	(49.4)	(49.4)			300.1	300.1	300.1	300.1
101	Seismic Engineering		✓	115.7	115.7	75.1	75.1	(75.1)	(75.1)					0.0	0.0		
102	Statewide Seismic Monitoring		✓	66.4	66.4	56.4	56.4			(56.4)	(56.4)			0.0	0.0		
103	Interagency Technical Support			704.3	704.3	595.0	595.0	(470.7)	(470.7)	(124.3)	(124.3)			0.0	0.0		
104	Federal Receipts Land/ Public Safety				97.0		97.0								97.0		97.0
105	Coastal Marine Boundary			316.8	316.8	296.8	296.8	358.9	358.9	(50.8)	(50.8)		105.4	604.9	710.3	604.9	604.9
106	District Survey			59.4	59.4	14.4	14.4			(14.4)	(14.4)			0.0	0.0		
107	Survey Coordination			337.3	337.3	288.3	288.3	(288.3)	(288.3)					0.0	0.0	0.0	0.0
108	Survey Operations			293.4	293.4	256.4	256.4	(71.0)	(71.0)	(30.0)	(30.0)		794.5	155.4	949.9	155.4	155.4
	TOTAL																

0120X

PI PROJECT LISTING

AGENCY Department of Natural Resources

BRU Geology, Energy and Mining

DEPARTMENT Land & Public Safety

Comper 1/87

Revised Date

FY 88

AGENCY #: 5-10-30-34-00

STATE OF ALASKA
DIVISION OF BUDGET REVIEW

DATE: 01/28/87
TIME: 14:38:36
PROG: OPRRPT9

GOVERNOR'S FY '88 OPERATING BUDGET REQUEST COMPONENT SUMMARY

AGENCY: DEPARTMENT OF NATURAL RESOURCES
COMPONENT: LAND AND PUBLIC SAFETY

BUDGET REQUEST UNIT: GEOLOGY, ENERGY AND MINING

***** COMPARISON OF AGENCY BUDGET SUBMISSION TO GOVERNOR'S REQUEST, BY IMPACT ITEM *****

DESCRIPTION	REF NUM	TRANS TYPE	PROPOSED BY	AGENCY SUBMISSION PFT	AGENCY SUBMISSION PPT	AGENCY SUBMISSION TOTAL	AGENCY SUBMISSION GEN FUND	AGENCY SUBMISSION OTH FUNDS	GOVERNOR'S REQUEST PFT	GOVERNOR'S REQUEST PPT	GOVERNOR'S REQUEST TOTAL	GOVERNOR'S REQUEST GEN FUND	GOVERNOR'S REQUEST OTH FUNDS
FY '87 REVISED AUTHORIZATION				29.0	12.0	2,646.1	2,078.5	567.6	29.0	12.0	2,646.1	2,078.5	567.6
Transfer to provide ANWR Support	1515	TROUT	AGENCY	-1.0	0.0	-45.9	-45.9	0.0	-1.0	0.0	-45.9	-45.9	0.0
Transfer Publication Spec. to Land and Water	1516	TROUT	AGENCY	-1.0	0.0	-41.6	-41.6	0.0	-1.0	0.0	-41.6	-41.6	0.0
Transfer Archaeology function to Parks	1517	TROUT	AGENCY	-2.0	-5.0	- 683.1	- 212.5	- 470.6	-2.0	-5.0	- 683.1	- 212.5	- 470.6
Consolidate publications/information function	1518	TRIN	AGENCY	4.0	0.0	182.7	182.7	0.0	4.0	0.0	182.7	182.7	0.0
✓ Transfer Seismic Engineering projet to University	1519	ATROUT	AGENCY	0.0	0.0	-75.1	-75.1	0.0	0.0	0.0	-75.1	-75.1	0.0
✓ Seismic Monitoring One-Time Item	2008	OTI	AGENCY	0.0	0.0	-56.4	-56.4	0.0	0.0	0.0	-56.4	-56.4	0.0
Juneau Surveyor position	2047	DEC	AGENCY	0.0	-1.0	-14.4	-14.4	0.0	0.0	-1.0	-14.4	-14.4	0.0
Reduce technical support divisions	2049	DEC	AGENCY	-3.0	-1.0	- 124.3	- 124.3	0.0	-3.0	-1.0	- 124.3	- 124.3	0.0
Engineering Geology position	2060	DEC	AGENCY	0.0	-1.0	-49.4	-49.4	0.0	0.0	-1.0	-49.4	-49.4	0.0
Downgrade land disposal surveyor	2089	DEC	AGENCY	-1.0	1.0	-30.0	-30.0	0.0	-1.0	1.0	-30.0	-30.0	0.0
Coastal Marine Boundary Surveyor	2090	DEC	AGENCY	-1.0	0.0	-50.8	-50.8	0.0	-1.0	0.0	-50.8	-50.8	0.0
Downgrade Ebks Mining Info positions	2092	DEC	AGENCY	-3.0	3.0	-53.9	-53.9	0.0	-3.0	3.0	-53.9	-53.9	0.0
Add AK Power Auth RSA receipts	2114	INC	AGENCY	0.0	2.0	288.3	0.0	288.3	0.0	2.0	288.3	0.0	288.3
Convert Survey Operation to Prgm Rcpts	2117	INC	AGENCY	7.0	0.0	476.3	0.0	476.3	0.0	0.0	0.0	0.0	0.0
Provide prior land disposal survey needs	2118	INC	AGENCY	5.0	1.0	282.0	0.0	282.0	0.0	0.0	0.0	0.0	0.0
Add Coastal Bndry/SW Platting funding	2119	INC	AGENCY	0.0	0.0	141.6	0.0	141.6	0.0	0.0	0.0	0.0	0.0
*** COMPONENT TOTALS ***				33.0	11.0	2,792.1	1,506.9	1,285.2	21.0	10.0	1,892.2	1,506.9	385.3

Invest charge CIP

115.7
(40.6)
75.1

TITLE OF INCREMENT/DECREMENT:	AGENCY CONTACT/PHONE NUMBER:
15% Reduction	John Davies 474-6166

DESCRIBE WHY THIS INCREMENT/DECREMENT IS NEEDED AND WHAT IT PURCHASES:

At the reduced level only support for the seismologist in charge of the project is provided. No state support of installation of accelerographs can be provided. No support of seismic stations around the state can be provided.

CODE	EXPENDITURE BY OBJECT	AGENCY REQ.	GOV'S REQ.
100	Personal Services		
200	Travel	(0.5)	
300	Contractual Services	(37.7)	
400	Supplies	(2.4)	
500	Equipment		
600	Lands, Buildings, Etc.		
700	Grants, Claims, Etc.		
800	Miscellaneous		
	TOTAL	(40.6)	
	I-A Transfer (NON-ADD)		
1002	Federal Receipts		
1003	General Fund Match		
1004	General Fund	(40.6)	
1006	I-A Receipts		
	Other		
POSITION INFORMATION	PFT		
	PPT		
	Non Permanent		
	Staff Months		

/___/ Enhance Existing Service Compared to FY 87

/___/ New Service Compared to FY 87

/___/ Continuation of FY 87 Service Level

/___/ Formula Program

IMPACT FROM CAPITAL PROJECT (NAME)

Chapter _____ SLA _____ Page/Line _____

C5 INCREMENT/DECREMENT REQUEST

Agency Priority _____ of _____

AGENCY Department of Natural Resources

BRU Geology, Energy and Mining

COMPONENT Land & Public Safety

PROJECT Seismic Engineering

FY87 REVISED

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Revised Date

FY 88

(6/86)-c5

TRANSFERS FROM/DELETIONS:

AGENCY: Department of Natural Resources
BRU: Geology, Energy and Mining
COMPONENT: Land & Public Safety
PROJECT: Seismic Engineering

TRANSFERS TO/ADDITIONS:

AGENCY: University of Alaska
BRU: Organized Research
COMPONENT: Geophysical Institute
PROJECT: Seismic Monitoring

What is being transferred from or deleted from this unit? Why? Include PCN and position title.

The Seismic Engineering Project is being transferred to the University of Alaska to consolidate the State's Seismic Monitoring efforts. In the past this project has worked closely with the University to monitor and document earthquake activity in Alaska. This merging of the two programs will facilitate the management process and provide a measure of economy as fiscal resources decline.

FUNDING INFORMATION

AMOUNT		EXPEND. BY OBJECT	AMOUNT
(71.3)	100	Pers. Service	71.3
(1.0)	200	Travel	1.0
(2.0)	300	Contractual	2.0
(0.8)	400	Supplies	0.8
	500	Equipment	
	600	Lands/Bldgs.	
	700	Grants, Claims	
	800	Miscellaneous	
(75.1)		TOTAL	75.1
		I-A Transfer	
	1002	Fed. Receipts	
	1003	GF Match	
(75.1)	1004	General Fund	75.1
	1006	I-A Receipts	
		Other	
	15	PFT	
	16	PPT	
	17	Non Permanent	
	18	Staff Months	

What is being transferred to or added to this unit? Why? Include PCN and position title.

The Seismic Engineering Project is being transferred to the University of Alaska to consolidate the State's Seismic Monitoring efforts. In the past this project has worked closely with the University to monitor and document earthquake activity in Alaska. This merging of the two programs will facilitate the management process and provide a measure of economy as fiscal resources decline.

C4 TRANSFER WITHIN ADJUSTED BASE

AGENCY: Department of Natural Resources
BRU: Geology, Energy and Mining
COMPONENT: Land & Public Safety

Cowper 1/87

Revised Date

FY 88

(6/86)-C4

TITLE OF INCREMENT/DECREMENT:
Line Item Spread

AGENCY CONTACT/PHONE NUMBER:
John Davies 474-6166

DESCRIBE WHY THIS INCREMENT/DECREMENT IS NEEDED AND WHAT IT PURCHASES:

This increment/decrement spreadss the special appropriation, Ch 130, Sec 212, for St. Augustine and maintenance of the Statewide Seismic Monitoring System to the appropriate line items.

Appropriation	83.0
Veto	16.6
Balance	66.4

100	
200	12.3
300	49.4
400	4.7
800	
TOTAL	66.4

CODE	EXPENDITURE BY OBJECT	AGENCY REQ.	GOV'S REQ.
100	Personal Services		
200	Travel	12.3	
300	Contractual Services	49.4	
400	Supplies	4.7	
500	Equipment		
600	Lands, Buildings, Etc.		
700	Grants, Claims, Etc.		
800	Miscellaneous	(66.4)	
	TOTAL	0.0	
	I-A Transfer (NON-ADD)		
1002	Federal Receipts		
1003	General Fund Match		
1004	General Fund		
1006	I-A Receipts		
	Other		
POSITION INFORMATION	PFT		
	PPT		
	Non Permanent		
	Staff Months		

___ / ___ / Enhance Existing Service Compared to FY 87

___ / ___ / New Service Compared to FY 87

___ / ___ / Continuation of FY 87 Service Level

___ / ___ / Formula Program

IMPACT FROM CAPITAL PROJECT (NAME)

Chapter _____ SLA _____ Page/Line _____

C5 INCREMENT/DECREMENT REQUEST

Agency Priority _____ of _____

AGENCY Department of Natural Resources

BRU Geology, Energy and Mining

COMPONENT Land & Public Safety

PROJECT Statewide Seismic Monitoring

FY87 REVISED

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Revised Date

FY 88

(6/86)-c5

TITLE OF INCREMENT/DECREMENT:
15% Reduction

AGENCY CONTACT/PHONE NUMBER:
John Davies 474-6166

DESCRIBE WHY THIS INCREMENT/DECREMENT IS NEEDED AND WHAT IT PURCHASES:

Reductions to this project will limit the installation of monitoring devices on Mt. Augustine and throughout Southcentral Alaska. Funding is also intended to provide for the monitoring, telemetry, and analyses of the devices. At the reduced level only limited interpretation of the data is possible, primarily resulting in only archive of information obtaine.

CODE	EXPENDITURE BY OBJECT	AGENCY REQ.	GOV'S REQ.
100	Personal Services		
200	Travel	(5.0)	
300	Contractual Services	(5.0)	
400	Supplies		
500	Equipment		
600	Lands, Buildings, Etc.		
700	Grants, Claims, Etc.		
800	Miscellaneous		
	TOTAL	(10.0)	
	I-A Transfer (NON-ADD)		
1002	Federal Receipts		
1003	General Fund Match		
1004	General Fund	(10.0)	
1006	I-A Receipts		
	Other		
POSITION INFORMATION	PFT		
	PPT		
	Non Permanent		
	Staff Months		

/___/ Enhance Existing Service Compared to FY 87

/___/ New Service Compared to FY 87

/___/ Continuation of FY 87 Service Level

/___/ Formula Program

IMPACT FROM CAPITAL PROJECT (NAME)

Chapter _____ SLA _____ Page/Line _____

C5 INCREMENT/DECREMENT REQUEST

Agency Priority _____ of _____

AGENCY Department of Natural Resources

BRU Geology, Energy and Mining

COMPONENT Land & Public Safety

PROJECT Statewide Seismic Monitoring

FY87 REVISED

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FY 88

(6/86)-c5

TITLE OF INCREMENT/DECREMENT:
Reduction of One Time Items

AGENCY CONTACT/PHONE NUMBER:
Updike 688-3555

DESCRIBE WHY THIS INCREMENT/DECREMENT IS NEEDED AND WHAT IT PURCHASES:

This project, Statewide Seismic Monitoring, is a one time appropriation to enhance the Seismic/Earthquake Monitoring System. It is not intended to become a part of the components adjusted base and must be decremented for FY 88.

CODE	EXPENDITURE BY OBJECT	AGENCY REQ.	GOV'S REQ.
100	Personal Services		
200	Travel	(7.3)	(7.3)
300	Contractual Services	(44.4)	(44.4)
400	Supplies	(4.7)	(4.7)
500	Equipment		
600	Lands, Buildings, Etc.		
700	Grants, Claims, Etc.		
800	Miscellaneous		
	TOTAL	(56.4)	(56.4)
	I-A Transfer (NON-ADD)		
1002	Federal Receipts		
1003	General Fund Match		
1004	General Fund	(56.4)	(56.4)
1006	I-A Receipts		
	Other		
POSITION INFORMATION	PFT		
	PPT		
	Non Permanent		
	Staff Months		

[ ] Enhance Existing Service Compared to FY 87

[ ] New Service Compared to FY 87

[ ] Continuation of FY 87 Service Level

[ ] Formula Program

IMPACT FROM CAPITAL PROJECT (NAME)

Chapter _____ SLA _____ Page/Line _____

AGENCY Department of Natural Resources

BRU Geology, Energy and Mining

COMPONENT Land & Public Safety

PROJECT Statewide Seismic Monitoring

COWPER - 1/87

Cowper 1/87

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Revised Date

FY 88

2008

(5) INCREMENT/DECREMENT REQUEST

Agency Priority ___ ___ of _____

(4/86) (5)

FY 88 INCREMENTS/DECREMENTS: Identify and subtotal under four groups: One-Time Items; GF Reductions; GF Increments; Non-GF and Zero Dollar Increments/Decrements; Program Receipts/GF New-Zero Increments/Decrements. Provide Grand Total at bottom.

PROJECT TITLE	100	200	300	400	500	700/800	TOTAL	GF	PFT	PPT	MONTHS
One-Time Items											
Statewide Seismic Monitoring			(56.4)				(56.4)	(56.4)			
SUB TOTAL			(56.4)				(56.4)	(56.4)			
GF Reductions											
Statewide Eng Geology	(49.4)						(49.4)	(49.4)		(1.0)	(10.0)
District Surveys	(14.4)						(14.4)	(14.4)		(1.0)	(6.0)
Interagency Tech Support	(124.3)						(124.3)	(124.3)	(3.0)	(1.0)	(23.0)
SUB TOTAL	(188.1)						(188.1)	(188.1)	(3.0)	(3.0)	(39.0)
GF Reductions Cowper 1/87											
Survey Operations	(30.0)						(30.0)	(30.0)	(1.0)	1.0	(6.0)
Coastal Marine Boundary	(50.8)						(50.8)	(50.8)	(1.0)		(11.0)
Resource Information	(53.9)						(53.9)	(53.9)	(3.0)	3.0	(13.0)
SUB TOTAL	(134.7)						(134.7)	(134.7)	(5.0)	4.0	(30.0)
Non-GF Increments											
Interagency Receipts	48.3	20.0	200.0	20.0			288.3			2.0	12.0
SUB TOTAL	48.3	20.0	200.0	20.0			288.3			2.0	12.0
Program Receipts Increment											
Survey Operations	413.7	25.0	19.0	18.6			476.3		7.0		84.0
Survey Operations	269.0	10.0		3.0			282.0		5.0	1.0	66.0
Coastal Marine Boundary	105.4						105.4				
Survey Operations	26.2	10.0	.	.			36.2		.	.	.
SUB TOTAL	814.3	45.0	19.0	21.6			899.9		12.0	1.0	150.0
GRAND TOTAL	539.8	65.0	162.6	41.6			809.0	(379.2)	4.0	4.0	93.0

COWPER - 1/87

C5 ADDITIONAL EXPLANATION FORM

AGENCY Department of Natural Resources — Cowper 1/87

BRU Geology, Energy and Mining — Page 1 of 1

COMPONENT Land & Public Safety — Revised Date

FY 88

(6/86)-ael

January 15, 1987

Mr. Merritt Helfferich
Assistant Director for Administration
Geophysical Institute
University of Alaska
Fairbanks, AK 99775-0800

Dear Mr. Helfferich:

The concern for the Seismic Monitoring function expressed in your November 26, 1986, letter is well founded and shared by the Department of Natural Resources. It is, and always has been, the practice of this department to honor its commitments. However, in this instance, a commitment was based on erroneous information. A brief background discussion of the issue may be useful.

Of the FY 87 operating budget appropriation for the Geology, Energy and Mining BRU, Land/Public Safety component, $115.7 was allocated to the Seismic Engineering function. (This is the amount referenced in Pedro Denton's September 10, 1986, memorandum). Additionally, Section 212 of the Reappropriations Bill (CSHB 574) appropriated $83.0 to the DGGS operating budget for monitoring of St. Augustine and for statewide monitoring. Section 213 provided an additional $80.0 CIP appropriation for monitoring tsunami potential off St. Augustine. Governor Sheffield vetoed $16.6 of the $83.0 operating appropriation, leaving $66.4 available for Seismic Monitoring. In July, the entire operating budget was reduced by Governor Sheffield as part of the "FY 87 Revised" budget. At that time, the Seismic Engineering operating budget allocation was reduced from $115.7 to $75.1, and the operating reappropriation (CSHB 574) was reduced from $66.4 to $56.4. (The $80.0 CIP was completely restricted, but later made available.)

In August, 1986, an agreement was reached with the Geophysical Institute to transfer the Seismic Monitoring Program from DNR/DGGS to the University, with the following operating funding:

FY 87 Operating - Land/Public Safety Component	$ 74.1
FY 87 Operating - Reappropriation Bill	56.4
TOTAL	$130.5

(Reference Pat O'Rourke's August 27, 1986, memorandum. Additionally, please note that the agreement for $74.1 is $1.0 less than the allocation of $75.1. This is due to a misunderstanding of the amount available by the DGGS representative.)

As we have since learned, the reduced reappropriation of $56.4 is considered to be a one-time item and was not included in the department's FY 88 budget base. Unfortunately, DNR staff involved in developing the August agreement with the University was not aware of this fact. In essence, staff committed funds that were not available.

DNR has been advised by OMB that the FY 87 Operating Reappropriations Bill for $83.0 (reduced to $56.4 by the Governor) was a one-time item and would not be added to the budget base and could therefore not be transferred (via C-4) to the University.

In an attempt to carry through with the agreement, DNR has transferred all available Seismic Engineering funds, $75.1 ($1.0 more than the agreement) from the Land/Public Safety Operating budget to the Geophysical Institute. We simply cannot transfer what we do not have.

We would need to further reduce funding for other DNR projects to transfer the additional $56.4 to the University for FY 88. I am certain you will understand that, because of the severe program cuts already proposed in our FY 88 budget, this is an action we cannot take.

In light of these circumstances, it may be necessary to change the terms of the agreement or perhaps void it entirely. I suggest that DNR and University staff meet as soon as possible to discuss this matter. If this is agreeable, please contact Laurel Murphy in Anchorage (762-2170) concerning meeting arrangements.

I fully understand your concerns about this matter and hope that an acceptable solution can be found.

Sincerely,

Robert D. Arnold
Deputy Commissioner

cc: Laurel Murphy
Dick Reger
Virginia Stonkus

Sharon IS

MEMORANDUM

State of Alaska

~~cc RB~~

HW | VS

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING & GEOLOGY

TO: Esther C. Wunnicke
Commissioner

DATE: September 10, 1986

FILE NO:

TELEPHONE NO: 762-2177

FROM: Pedro Denton
Director

SUBJECT: Transfer of Seismic Monitoring Program

As a result of the reduced FY 87 operating budget for the Division of Geological and Geophysical Surveys and because we anticipate that operating budgets will continue to decrease during the next few years due to sustained low oil prices, we are considering elimination of various DGGS programs. One program that was established when budgets were much larger is the Seismic Monitoring Program. Our present level of funding for this program ($115.7) is about one-third the amount that we consider sufficient to maintain an adequate siesmograph network in Alaska and to effectively coordinate seismic-monitoring efforts among the many agencies engaged in this activity. In addition, the layoff procedures recently agreed to between the State and APEA makes our ability to maintain the expertise necessary to the project very uncertain.

During the past several years, the Geophysical Institute of the University of Alaska (Fairbanks) has made important contributions in the area of seismic monitoring and engineering. This organization possesses the largest concentration of seismic specialists in the state. Discussions with Dr. Patrick O'Rourke, Chancellor of the Fairbanks campus, Dr. Juan Rhoderer, retiring Director of the Institute, and Dr. Syun Akasofu, incoming Director of the Geophysical Institute, resulted in a verbal agreement that the Geophysical Institute will accept available state funds to support maintenance of the existing seismic network for the rest of FY 87 and will provide an appropriate Research Associate position for our seismologist, John N. Davies, who will voluntarily leave DGGS and join the University staff. Our agreement also stipulates that an equivalent amount of seismic-monitoring funds will be deleted from the adjusted base for the FY 88 DMG operating budget and this amount will be added to the adjusted base of the University of Alaska (Fairbanks) operating budget. Further, it was agreed that in the future the University of Alaska Geophysical Institute will be responsible for generating funding support for seismic monitoring in Alaska and Institute personnel will accept responsibility for maintaining the existing seismograph network in Alaska and for coordinating their activities with other agencies engaged in seismic monitoring. Discussions between Dr. Akasofu and John Davies, who is presently on annual leave Outside, indicate that this arrangement is satisfactory. We are currently preparing an RSA for the balance of the project funding to complete the first step in the process of transferring the program out of DNR.

PD/lkb

cc: Dick Reger
Randy Updike

Office of the Chancellor

UNIVERSITY OF ALASKA — FAIRBANKS
Fairbanks, Alaska 99775-0500

MEMORANDUM

To: Juan Roederer, Director
Geophysical Institute

Dr. Syun-Ichi Akasofu, Director Designate
Geophysical Institute

From: Pat O'Rourke, Chancellor pjo'R.g.

Subject: State Seismic Network

Date: August 27, 1986

Based on our meeting of August 26, 1986 with Dick Reiger from the State Geological Survey, it is my understanding that the university will agree to the transfer of the seismic program from the state to the Geophysical Institute provided the following funds are transferred.

1. From the State Seismic Engineering Program, $74,100.

2. From the State Seismic Network Program, $56,400.

3. A one-time capital appropriation for St. Augustine of $88,000.

Regarding the last item, this may be modified by the governor's action on capital appropriations. However, for FY88, a total of $130,500 should be transferred from the State Division of Natural Resources to the university to cover the first two elements. It is my understanding that the state would initiate an appropriate budget transfer form and provide us with a copy so that we might include it in our FY88 request. For FY87, I believe the only way the state might be able to handle this is via an RSA. Again, it would be the initiation of the state and it would cover the balance of the fiscal year recognizing that they have already spent from their appropriation certain of the salary funds.

Regarding Dr. Davies, it should be understood that he would come into the university at a salary appropriate to his background and experience. This may or may not be equal to his current state salary. The institute has the flexibility of determining the type of appointment that it wishes to make; that is research associate, faculty, APT. This determination should be made based on what the institute expects the position to do. Once an appropriate position is established and a salary level determined, it

will be necessary for us to waive our open recruitment rules because of the very special nature of the circumstances surrounding this. In essence, please consider these rules waived at this time so that we might preserve the state's commitment to the seismic program. It seems that Dr. Davies is integral to this.

PJO'R:bm
cc: Jerry Trojan, Vice Chancellor for Administration
Betty Hoch, UAF Budget Director
Brian Rogers, Statewide Budget Director

MEMORANDUM State of Alaska

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING AND GEOLOGICAL AND GEOPHYSICAL SURVEYS

TO: Representative Niilo Koponen DATE: March 3,1987

FILE NO:

THRU: Richard D. Reger, Regional Manager
Division of Mining and Geology TELEPHONE NO: 474-7147

FROM: Rod Combellick, Engineering Geologist SUBJECT: House Bill 54
Division of Mining and Geology

This is in response to a request from your office for information regarding the need to transfer the seismic-monitoring program formerly managed by the division of mining and geology (DMG) to the University of Alaska Geophysical Institute. The DMG is no longer able to continue this program because of deep budget cuts and the resultant loss of expertise in seismology. We are concerned that the program continue because of its importance to public safety and the economic well-being of this state. As one of the most seismically active areas of the world, Alaska is under continuous threat of devastation by major earthquakes. Several potentially damaging earthquakes have occurred recently in sparsely populated areas where damage was minimal (for example, the magnitude 6.9 earthquake in the eastern Aleutian Islands February 26), but eventually there will be major earthquakes near populated areas for which we need to be prepared.

Although earthquakes cannot yet be predicted, seismic monitoring allows geoscientists to reliably identify areas of the state that are likely to be severely affected by major events in the near future and to determine their probable effects. Seismic monitoring provides the necessary data for analyzing the patterns of stress accumulation leading to major earthquakes and to identify precursor activity that often precedes a major event. Interruption or suspension of the monitoring severely degrades the database and the reliability of seismic-risk estimates.

These seismic-risk estimates are important to the construction industry as well as to public-safety and planning agencies. Without reliable estimates of earthquake risk, major facilities in seismically active areas are often overdesigned, resulting in substantial unnecessary costs. If they are underdesigned, the potential for costly damage and casualties is also high. Long-term, continuous seismic monitoring is necessary if we are to continue to improve our understanding of earthquake mechanisms in Alaska. This understanding, in turn, is crucial to our ability to help lawmakers, government officials, the construction industry, and the public act confidently and responsibly to reduce the earthquake threat.

The engineering geology section of our division uses seismologic data to determine the potential for earthquake- induced ground failures in developing areas (most of the damage in Anchorage during the 1964 earthquake was from ground failures). Without reliable estimates of the probable severity of ground shaking during an earthquake, it is difficult to determine where the shaking is likely to be strong enough to cause soil failure. We hope to continue working with the Geophysical Institute to use the seismologic data in our engineering-geology program.

The Geophysical Institute is clearly the best place for the seismic-monitoring program because of its existing capabilities in this area. Additionally, the institute is better able to preserve professional expertise in high- priority areas than is the DMG during periods of budget cutbacks. Because of state personnel rules regarding layoffs, our division often loses critical expertise in high- priority areas through the 'bumping' process (all geoscientists, including seismologists, are grouped together in the Geologist position series). Within the present revenue climate, this prevents the DMG from realistically committing itself to a long-term program requiring recently hired special expertise.

I hope that this is the information you need. Please contact us if you need any further assistance.

cc: G. Gallagher, Acting Director

J. Davies 3-5-87

p. 1

Alaska encompasses some of the most active earthquake zones and volcano chains in the world. While the degree of risk varies across the State, no region of Alaska is free of hazard from earthquakes or volcanos. Ironically, the major population centers of Alaska are concentrated in the areas of greatest hazard. We can expect, on the average, a life-threatening earthquake or volcanic eruption every four years. It is obvious to most people in Alaska that we should take reasonable precautions to protect ourselves from this ever-present danger.

What can we do? What is cost-effective? What are practical measures that the state can take to reduce the risk posed by these most awesome forces of nature?

Before we can answer these questions we must understand the threat. How many earthquakes and volcanic eruptions do we have each year? Where do they occur and how big are they? What sort of hazards are likely to accompany major earthquakes and volcanic eruptions in different settings? Researchers at the University of Alaska have studied these questions with varying levels of intensity since the first seismograph was installed on the campus at Fairbanks by Charles Bunnell in 1935. Modern seismic networks for monitoring Alaskan earthquakes and volcanic activity were installed following the Good Friday Earthquake of 1964.

We have a good idea now about where the active earthquake zones and volcanos are. We have a reasonable idea about how often large earthquakes occur in the more active zones and about how often the more active volcanos erupt. In the less active earthquake areas and for the dormant volcanos our knowledge is insufficient to specify the risk in a useful way. Even in the more active areas our ability to forecast the size of future earthquakes and volcanic eruptions is limited and our ability to forcast the time is practically nonexistent, except in certain special cases.

So what can we do? The single most important thing to do to reduce loss of both life and property is to build houses, schools, hospitals, and commercial buildings according to a standard appropriate to the local hazard. For earthquakes the most commonly used standard is the Uniform Building Code and the associated Seismic Zone Map for Alaska. The zone map divides Alaska into five geographic regions according to the level of seismic hazard; these regions are denoted 0-4, with 4 corresponding to the highest hazard. It is obviously important to map these zones correctly: if the hazard is underestimated people and property are exposed to an unnecessary risk, if it is overestimated we burden the owner with unnecessary cost of construction.

Davies p. 2

There are recent examples of underestimation of the hazard in the design of schools in Anchorage and Glenallen. A dramatic case of overdesign ocurred a few years ago on the North Slope. An engineering firm designed two buildings for a major oil company using the standards for Zone 4. When these buildings were redesigned correctly to Zone 3 standards the savings were about one million dollars.

These examples illustrate the stakes involved in a recent proposal by a group of structural engineers in California (who write the UBC standards) to rezone Alaska in a very simplistic way, one not based on a good estimate of the earthquake hazard in Alaska. This proposed rezone would place all of SE Alaska in Zone 4, whereas it is now roughly evenly divided between Zones 2 and 3. This would add about 5 to 20 percent to the cost of all engineered construction in this region. On the other hand, the proposed rezone would place all of the Seward Peninsula region in Zone 0! This area has had many strong earthquakes, with two around magnitude 7.

ESTIMATED COST OF SEISMIC ZONE CHANGE AS PROPOSED BY SEAOC

Millions of Dollars per Year

Municipality	Zone Ch.	% Cost Inc.	An. Const.	An. Impact
Ketchikan	2 -> 4	15%	11	1.65
Juneau	2 -> 4	15%	15	2.25
Fairbanks	3 -> 4	5%	50	2.50
TOTAL			76	6.40

MEMO February 16, 1987

TO: Niilo Koponen and Mike Davis

FROM: John Davies

SUBJECT: Background for HB 54

Background: In 1981 I was hired by DGGS to create a Seismic Hazards Mitigation Program. In February, 1982 DGGS sponsored a workshop in Wasilla to suggest the scope of such a program. Resolution 1 from that workshop called for DGGS to establish a seismic program to:

a) Ensure the operation of a statewide seismographic network, including instrumentation to record strong ground motion in areas of significant earthquake potential;

b) Establish a statewide seismic-data center; and

c) Coordinate the collection and dissemination of seismic data for Alaska.

In July of 1983 the Governor signed into law HB 379 which established a seismic hazard program within DNR. The projects specifically outlined in the proposed objectives for HB 379(1983) were:

1) Cook Inlet - Seismic Network;

2) Interior Alaska Seismic Network;

3) Stations in SE, SC, and SW Alaska;

4) Seismic Instrumentation in Anchorage Buildings;

5) Cook Inlet Volcano Observatory;

6) Alaska Seismological Data Center; and

7) Engineering Geological Studies in Municipal Areas

The total budget proposed for these projects was $503K, which was approved for FY 84.

In August of 1986 the UAF and the Institute agreed to take over the seismic hazard program from DGGS, effective October 1, 1986 I resigned from DGGS and was hired as a research associate by the Institute. After my arrival here Syun, Merritt, Mike Davis, Niilo Koponen and I met to discuss how to fund the program at UAF. We agreed that legislation or

an executive order would be required to "create" the program at UAF and to eliminate any resulting duplication in the DNR statutes. Syun coordinated this with O'Rourke and they agreed that we would seek line-item funding for the program. Mike Davis and Willis Kopenen drafted a proposed bill to establish an "Alaskan Seismic Hazard Center" at UAF and to delete responsibility for the collection, recording and archiving of seismic data by DNR.

The question was raised as to exactly what did DGGS intend to transfer to the UAF. To resolve this issue Merritt and I met with Pedro Denton (then Director of DGGS) and Dick Reger in October. We asked them if the understanding that Syun had communicated to us was correct; i.e., DGGS intended to transfer to us not only the money for seismic monitoring in the restricted sense, but also the responsibility for the state of Alaska for seismic hazards mitigation in the larger sense. This was correct, they only asked that they be allowed to have ample input on the language of any proposed legislation since they wished to retain statutory responsibility for certain geological aspects of seismic hazard mitigation. We agreed to a division of responsibility whereby we would in general restrict ourselves to seismological aspects and they would focus on geological aspects. The details of who will do what can be left to an MOU.

Budget: The history of State of Alaska Support for DNR seismic hazard mititgation is summarized in the following table:

FISCAL YEAR	AUTHORIZED BUDGET	EFFECTIVE BUDGET	NOTES
82	$ 59K	$ 59K	a
83	108	108	
84	500	560	b
85	440	444	b, c
86	256	230	c
87	116	104	c, d
88	(75)	(54)	e, f

Notes:
a) partial year
b) salary in Eng. Geol.
c) minus 10% internal overhead
d) later further reduced to 74K
e) proposed DNR C-4 transfer to UAF
f) adjusted for GI 40% overhead

The total budget proposed for FY 88 is as follows:

C-4 transfer from DNR	130,000
new general fund money	100,000
capital re-appropriation	80,000
TOTAL	310,000

Proposed Budget for The Alaska Earthquake and Volcanic Hazards Assessment Project

February 16, 1987

TASK A Maintain Remote Seismic Stations

	Operating	Capital
Fairbanks VHF (6 @ 1500)	9,000	
Fairbanks local (2 @ 250)	500	
Northern AK (3 @ 500)	1,500	
Highway sys. (20 @ 500)	5,000	30,000
Cook Inlet/Aug. (12 @ 2000)	24,000	
Kodiak (9 @ 2,500)	22,500	20,000
Staff Benefits	2,800	
Juneau (3 @ 1000)	3,000	30,000
Subtotal A	68,300	80,000

TASK B Maintain Seismic Lab/Process Routine Data

Supervisor (3mo @ 4800)	14,400
Programmer (3mo @ 3200)	9,600
Grad. Student (12mo @ 1850)	22,200
Electronics (4mo @ 7500)	30,200
Staff Benefits (@ 19%)	4,600
Supplies	12,000
Software maint.	9,000
Hardware maint.	14,400
Subtotal B	116,400

TASK C Seismic and Volcanic Hazard Analysis

Seismologist (6mo @ 4800)	28,800
Travel	6,000
Supplies, services	5,000
Staff benefits	5,500
Subtotal C	45,300
TOTAL (A-C)	230,000

Alaska State Legislature

Representative Niilo Koponen

Pouch V
Juneau, Alaska 99811
(907) 465-4992

542 4th Avenue, Suite C
Fairbanks, Alaska 99701
(907) 456-8161

MEMORANDUM

TO: HONORABLE AL ADAMS, CHAIR HOUSE FINANCE

FROM: REPRESENTATIVE NIILO KOPONEN

DATE: FEBRUARY 24, 1987

RE: HB 54 "AN ACT CREATING AN ALASKA EARTHQUAKE AND VOLCANO HAZARDS ASSESSMENT PROJECT"

I would appreciate it if you would schedule HB 54 at your earliest convenience.

The purpose of this legislation is to ensure that the State of Alaska maintains a viable seismographic network to record Alaska's earthquake and volcanic eruptions, by establishing the Alaska earthquake and volcanic hazards assessment project within the University of Alaska's Geophysical Institute's seismology program.

HB 54 amends AS.14.40 (University of Alaska and Community Colleges) by adding the Alaska Earthquake and Volcanic Hazards Assessment project within the University. AS.41.08.020 (Geological and Geophysical Survey) will maintain it's same responsibilities except for section (6) which will now read "collect, evaluate and distribute geologic data on seismic events and engineering geology of the state.

HB 54 does carry a fiscal note for the operation of this project. The Department of Natural Resources will be transferring monies over to this program to help offset the program costs. The House Health Education and Social Services Committee has attached a letter of intent that a request be made for federal monies from the Federal Earthquake Hazards Reduction Act of 1977 in order to match the state funding level for this program.

I have enclosed backup material. If you need any further information on this bill, please contact me or my staff assistant, Shari Paul.

Proposed Budget for The Alaska Earthquake and Volcanic Hazards Assessment Project

February 16, 1987

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Office of the Chancellor

UNIVERSITY OF ALASKA — FAIRBANKS
Fairbanks, Alaska 99775-0500

MEMORANDUM

To: Juan Roederer, Director
Geophysical Institute

Dr. Syun-Ichi Akasofu, Director Designate
Geophysical Institute

From: Pat O'Rourke, Chancellor PJO'R.q.

Subject: State Seismic Network PJO'R.q

Date: August 27, 1986

Based on our meeting of August 26, 1986 with Dick Reiger from the State Geological Survey, it is my understanding that the university will agree to the transfer of the seismic program from the state to the Geophysical Institute provided the following funds are transferred.

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PJO'R:bm

cc: Jerry Trojan, Vice Chancellor for Administration
Betty Hoch, UAF Budget Director
Brian Rogers, Statewide Budget Director

Introduced: 1/19/87
Referred: Health, Education &
Social Services and Finance

IN THE HOUSE BY KOPONEN

HOUSE BILL NO. 54

IN THE LEGISLATURE OF THE STATE OF ALASKA

FIFTEENTH LEGISLATURE - FIRST SESSION

A BILL

For an Act entitled: "An Act creating the Alaska Seismic Hazard Center."

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

* Section 1. FINDINGS. The legislature finds that the systematic collecting, recording, evaluation, archiving, and distribution of data on seismic events and engineering geology, and the identification of potential seismic hazards throughout the state are in the public interest and necessary to orderly, safe, and cost-effective economic development.

* Sec. 2. AS 14.40 is amended by adding a new section to read:

Sec. 14.40.075. ESTABLISHMENT OF ALASKA SEISMIC HAZARD CENTER. (a) The University of Alaska shall establish an Alaska Seismic Hazard Center within an appropriate unit of the university. The administration and management of the center is under the direction of a university employee designated the "state seismologist."

(b) The Alaska Seismic Hazard Center shall

(1) collect, record, evaluate, archive, and distribute data on seismic events and engineering geology of the state;

(2) conduct geological and geophysical surveys to determine potential seismic hazards to buildings, roads, bridges, and other installations and structures;

(3) identify potential seismic hazards that may affect development in the state; and

(4) inform public officials and industry of potential seismic hazards that may affect development in the state.

(c) The Alaska Seismic Hazard Center may enter into cooperative

agreements with federal, state, and local government agencies, foundations, universities, businesses, and other organizations engaged in seismic hazard research and services.

* Sec. 3. AS 41.08.017(b) is amended to read:

(b) Systematic [COLLECTING, RECORDING,] evaluation [, ARCHIVING] and distribution of data on seismic events and engineering geology, and identification of potential seismic hazards throughout the state are in the public interest and necessary to orderly, safe, and cost-effective development [IN THE STATE].

* Sec. 4. AS 41.08.020(b) is amended to read:

(b) In addition, the division of geological and geophysical surveys shall:

(1) collect, record, evaluate, and distribute data on the quantity, quality, and location of underground, surface, and coastal water of the state;

(2) publish or have published data on the water of the state;

(3) require the filing with it of the results and findings of surveys of water quality, quantity, and location;

(4) require of water well contractors, the filing with it of basic water and aquifer data normally obtained, including but not limited to well location, estimated elevation, well driller's logs, pumping tests and flow measurements, and water quality determinations;

(5) accept and spend funds for the purposes of this section, AS 41.08.017, and 41.08.035 and enter into agreements with individuals, public or private agencies, communities, private industry, state agencies, and agencies of the federal government;

(6) [COLLECT, RECORD,] evaluate [, ARCHIVE] and distribute data on seismic events and engineering geology of the state;

(7) identify potential seismic hazards that might affect development in the state;

(8) inform public officials and industry about potential seismic hazards that might affect development in the state.