

**S B**

**292**

A M E N D M E N T

OFFERED IN THE SENATE

BY SZYMANSKI

TO: SB 292

Page 2, after line 10:

Insert a new bill section to read:

"\* Sec. 8. The sum of \$22,960 is appropriated from the general fund to the Department of Administration, Alaska Public Broadcasting Commission, for payment as a grant under AS 37.05.316 to KCHU Radio Station in Valdez, for transmission site and studio repairs."

Renumber remaining bill sections accordingly.

Page 2, line 11, after "1 - 6":

Insert "and 8"





State of Alaska, Village Safe Water

Village	Item	Emergency Operations		Assessment of Problems (all periods)	Immediate Repairs					Interim Operations (per month)			Final Repairs (Capital Cost Estimates)	
		City	School District		City	School District	VSW	FHS	Other	City	School District	Other	School Dist	VSW
Nenadek	<b>Total Cost</b>													
	Emergency operations during deep cold	3,908	5,768											
	Assessment of damages			4,000	(to date-2/15)									
	Construct water "jumper" across south loop (school to church) & convert MH to lift station, install 250' force main				2,700	4,000 (to date-2/15)		5,500 (mat)						
						2,500 (elec mode)		1,200 (freight)						
								4,800 (labor)						
								730 (air lines)						
								800 (eng)						
								200 (tool rental)						
	Repairs to school plumbing & Harman Nelson heaters				39,000									
	Install 4 each washing machines in school					500 (elec mode)		2,000 (mat)						
						2,000 (replumbing)								
	Install watering point at pump house							5,000						
	Honey buckets & water pails						1,375							
	Part time operator (monitor watering point, haul honey bucket waste, clean up laundry area, pump sewage)									1,350				
	Pumphouse operations (assume school continues to pay)									2,000				
	Supplies (honey bucket bags, etc.)									210				
	Power for washers & heat traces										600 (varies with season)			
	Contingency							10,000						
	<b>Sub total</b>	<b>3,908</b>	<b>5,768</b>	<b>4,000</b>	<b>2,700</b>	<b>48,000</b>	<b>1,375</b>	<b>5,000</b>	<b>25,000</b>	<b>3,560</b>	<b>800</b>	<b>0</b>		
	<b>Totals by group</b>		<b>\$9,674</b>	<b>\$4,000</b>			<b>\$82,155</b>			<b>\$87,200</b>			<b>\$2,058,000</b>	
	Final repairs (see attached sheet)									<b>\$4,380 per month</b>			<b>(see attached)</b>	
										<b>2/80 to 10/80, 20 months</b>				

FOV EV: Xerox Telecopier 7020 1 3-8-88 11:42AM

**So Water**

Interim Operations (per month)			Final Repairs (Capital Cost Estimates)	
By	School District	Other	School Dist	YSW

**Definitions**

**Definitions**  
assumptions used in preparing  
cost estimates (All commercial)

labor (fully burdened with overtime  
allowances) will average \$18/hr

School District labor (fully burdened  
with overtime allowances) will  
average \$25/hr

assumptions for Nostak

4 impacted by cold:

- Well
- Pumphouse/water plant
- Storage tank
- 3 requiring Remedial Action:
  - 1 LR Stations destroyed
  - 1 LF force main destroyed
  - 1 LF gravity sewer destroyed
  - manholes destroyed
  - each sewer services destroyed
  - 10 LF PE waterline can be thawed &  
replaced
  - each water services destroyed
  - each fire connections destroyed

	60,000 labor
	60,000 material
	24,000
	100,000
	28,000
	41,000
<hr/>	
	\$314,000
	618,000
	69,000
	10,000
	122,000
	80,000
	358,000
	28,000
	80,000 (both water & sewer)
	182,000
	227,000
<hr/>	
	\$1,742,000
	<del>1,000,000</del>
Final Project Final Repair Costs	\$2,858,000

SENATE COMMITTEE REPORT

FIRST COMMITTEE OF REFERRAL

Date of 5-DAY NOTICE \_\_\_\_\_  
IN ACCORDANCE WITH UNIFORM RULE 23

\*\*FISCAL NOTE(S) MUST BE ATTACHED  
IN ACCORDANCE WITH AS 24.08.035

4/19/89

FURTHER

HESS  
FIN

DATE TURNED INTO OFFICE 4.26.89

Mr. President:

C&RA

Committee considered

SB 292

special appropriations for the effects of the statewide cold-weather disaster; efd

and recommended:

replace with CS C&RA  same title

attached amendment(s) and  new title

\_\_\_\_\_ letter of intent adopted

do pass

do not pass

no recommendation

individual recommendations

further referral to \_\_\_\_\_

FISCAL NOTE(S) attached  zero

appropriation no FN attached

fiscal impact

Gov. FN introduced w/ bill

MEMBERS SIGNING DO PASS

OTHER RECOMMENDATIONS

*[Handwritten signatures]*

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

*[Handwritten signature]*  
Chair: signature and recommendation

Committee backup attached

Offered: 7/27/39  
Referred: Health, Education and Social  
Services and Finance

go1219sE

Original sponsor: Rules/Governor

Funding Information

General Fund	\$ 6,680,810
Other funds	-0-
	<u>\$ 6,680,810</u>

IN THE SENATE

BY THE COMMUNITY AND  
REGIONAL AFFAIRS COMMITTEE

CS FOR SENATE BILL NO. 292 (C&RA)

IN THE LEGISLATURE OF THE STATE OF ALASKA

SIXTEENTH LEGISLATURE - FIRST SESSION

A BILL

For an Act entitled: "An Act making special appropriations for the effects of the statewide cold-weather disaster; and providing for an effective date."

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

\* Section 1. The sum of \$2,500,000 is appropriated from the general fund to the Department of Environmental Conservation for grants under the village safe water program to communities in the Northwest Arctic Borough for sewer and water repair.

\* Sec. 2. The sum of \$1,462,000 is appropriated from the general fund to the Department of Education for payment as a grant under AS 37.05.316 to the Southwest Region Educational Attendance Area for reconstruction of the Aleknagik school.

\* Sec. 3. The sum of \$500,000 is appropriated from the general fund to the Department of Environmental Conservation under the village safe water program for repair of the water system in Noatak.

\* Sec. 4. The sum of \$78,000 is appropriated from the general fund to the Department of Administration for payment as a grant under AS 37.05.315 to the City of Tanana for repair of the sprinkler system in the Tanana Elder's residence.

\* Sec. 5. The sum of \$417,850 is appropriated from the general fund to the Department of Military and Veterans' Affairs, emergency management assistance, for sewer and water system repair and other associated costs caused by the statewide cold-weather disaster for the City of Nome.

\* Sec. 6. The sum of \$700,000 is appropriated from the general fund to

1 the Department of Environmental Conservation for clean-up of the Unalakleet  
2 oil discharge.

3 \* Sec. 7. The sum of \$1,000,000 is appropriated from the general fund  
4 to the Department of Military and Veterans' Affairs, disaster relief fund,  
5 for the statewide emergency declaration of disaster January 28, 1989, for  
6 repair, renovation, and replacement of equipment and sewer and water sys-  
7 tems damaged as a result of the severe cold weather and to provide economic  
8 relief to communities that have experienced undue hardship due to increased  
9 utility and maintenance costs resulting from the statewide cold-weather  
10 disaster. The unobligated and unexpended balance of this appropriation  
11 lapses to the general fund June 30, 1990.

12 \* Sec. 8. The sum of \$22,960 is appropriated from the general fund to  
13 the Department of Administration, Alaska Public Broadcasting Commission,  
14 for payment as a grant under AS 37.05.316 to KCRU Radio Station in Valdez,  
15 for transmission site and studio repairs.

16 \* Sec. 9. The appropriations in secs. 1 - 6 and 8 of this Act are for  
17 capital projects and are subject to AS 37.25.020.

18 \* Sec. 10. This Act takes effect immediately under AS 01.10.070(c).  
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<u>Funding Information</u>	
General Fund	\$ 11,157,850
Other funds	-0-
	<u>\$ 11,157,850</u>

IN THE SENATE

BY THE RULES COMMITTEE BY  
REQUEST OF THE GOVERNOR

SENATE BILL NO. 292

IN THE LEGISLATURE OF THE STATE OF ALASKA

SIXTEENTH LEGISLATURE - FIRST SESSION

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BY THE RULES COMMITTEE BY  
REQUEST OF THE GOVERNOR

IN THE SENATE

SENATE BILL NO. 292

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Original sponsor: Rules/Governor

Referred: Health, Education and Social Services and Finance

go1219sl

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**RECONSTRUCTION OF GYM / STRUCTURAL ENHANCEMENTS  
ALEKNAGIK, ALASKA**

**REQUEST FOR  
EMERGENCY FUNDS  
ALEKNAGIK SCHOOL**

**REQUESTED BY  
SOUTHWEST REGION SCHOOL DISTRICT  
DILLINGHAM, ALASKA  
MARCH 15, 1989**



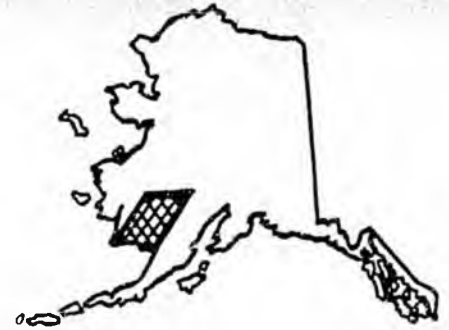
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## Southwest Region Schools

P.O. Box 196  
Dillingham, Alaska 99576  
Phone (907) 842-5288



March 15, 1989

### TO THE 1989 LEGISLATURE

On February 7, 1989, the gym roof of the Aleknagik School collapsed during after school gym activities. The School District has hired John L. Aho, Ph. D of CH2M Hill to assist the District in identifying the cause of the accident and the safety of the remaining portion of the building.

Preliminary engineering reports indicates the roof trusses were overstressed under the design snow load. The construction drawings for the project were missing pertinent information such as the fastening system for connection of vertical and lateral load-carrying walls to the roof and floor diaphragms. This apparent oversight left the possibility open for the contractor to make his own decisions concerning these critical structural attachments. It also appears that certain items may have been overlooked by the contractor during construction. These include construction of the gymnasium north and east wall corner intersections in a manner other than the way detailed in the plan, absence for nailing of the east wall bottom plate connection for the floor diaphragm and wall plywood that was discontinuous.

Because problems has been identified after the collapse of the gym roof which could effect the stability of the remaining structure, the building cannot be re-occupied until critical structural elements are reviewed and corrections implemented.

1989 Legislature  
March 15, 1989

We appeal to this legislature for emergency funding in the amount of \$1,462,000 to restore this school to its full safe use for the fall of 1989. Justifications for this request are contained herein. Your expedient attention to this matter is appreciated, as timing is of the utmost urgency.

Respectfully requested,

John Antonnen, Superintendent  
Southwest Region School District

## JUSTIFICATION NARRATIVE

### **HISTORY**

In 1983, a new school was constructed in Aleknagik, Alaska. It was a one story wooden structure, supported on a driven steel pile foundation, and covered by a flat roof, designed to allegedly retain and constrain snowload build ups during the winter. The school, programmed for K-12, contained a multi-media space and additionally a gymnasium for athletic programs.

On February 7, 1989 at approximately 4:45 PM the gym roof unexpectedly and without warning collapsed, entrapping and injuring one Jr. High student. According to witnesses, the total time elapsed during the catastrophe was a mere 10 seconds. The school staff, fellow students, parents and all concerned have given continued thanks that a scheduled athletic event was not held that day due to weather constraints. Had the games come to pass, 45 children would have been eating their meals in the gymnasium at the time of the collapse, undoubtedly resulting in many serious injuries and even deaths.

Since the time of failure, the Southwest Region School District has abandoned the building, not understanding the safety status of the remaining spaces. Class schedules have been maintained, by conducting classes in makeshift spaces in nearby teacherages, an awkward and cumbersome task at best.

### **REBUILD PROGRAM**

The Southwest Region School District desires reconstruction of the gym facility complete with finishes and equipment, plus construction of a new sloping metal roof over the entire complex, superseding the remaining flat roof. The sloping metal roof design will facilitate the shedding of snow naturally, rather than anticipate loading from accumulation. Additionally, the structural enhancements to the piling foundation, plus structural repairs to the

wall and floor systems in the remaining elements, necessitated by discoveries made during investigation of causation.

As it is imperative to have the total school facility available for the start of the 1989 fall semester, it becomes necessary to "fast-track" the rebuild effort to assure completion on or about Labor Day in September.

The fast-track process necessitates the project team be identified at the earliest possible date, to perform design, costing, procurement, and scheduling functions concurrently. Early identification of long leadtime materials, from the design process, for purchasing and delivery is key to the success probability of completion by September 1st. The exceptionally short design time, coupled with the traditionally short Alaskan construction season, leaves no latitude for time-error. As is demonstrated by the schedule exhibit on page 10 of this presentator, that team identification process is underway at this time. It is anticipated that the project team will be selected and functional by the last week of March. All tasks are on the critical path for completion by September 1st - there is no time to spare!

Historically, the fast-track process is slightly more expensive than the traditional approach, justified by earlier than normal occupancies. That trade-off has been reconciled by this School District, in that there is no alternative to reoccupying this school building in the fall, and with life safety being assured to the maximum degree possible.

#### **FAILURE ANALYSIS**

The District has engaged the services of a structural design and analysis expert, Dr. John Aho whose investigation to date has revealed that not only [1] the failure event was the result of overstressing of structural roof trusses in the gym roof, but that [2] the existing piling foundations are likely overstressed; as are other structural components for the remaining building spaces.

His preliminary calculations of the gym 's original design suggest that the gymnasium roof trusses were significantly overstressed from snow load conditions, and that through cyclic overstressing year after year, a failure occurred in one truss triggering a simultaneous chain reaction to the others. The validity of conclusions drawn from the calculations were reinforced by evidence at the site of faulty fastening methods for the supporting walls, deck and roof components.

Certain critical connectors, fastening techniques, and design details appear to be deficient in the gym and may be absent entirely in the rest of the building. This would result in the facility not functioning as an integrated structure, a detriment to the safety of the entire building.

It has already been determined that the existing piling foundation is potentially overstressed to resist the snow loads suspected to have caused the collapse. Thus, because problems that have been identified after the collapse of the gymnasium may have effects on the stability of the remaining structure, it would be prudent to examine critical structural elements in the remaining portions of the school, a task that is not yet started. It is surmised that strengthening measures will be necessary; measures such as re-roofing to shed snow load, installing additional wall to roof connections, stiffening lateral force-resisting walls and substantial bracing and secondary supporting for the pile foundation.

In summation, the preliminary findings point to overloading of structural roof, wall, and piling components from snow loads and wind loads. The failure resulted then from inadequate original design criteria, and was compounded by some faulty construction methods; not only in the gym area but throughout the whole facility.

## **STRUCTURAL ENHANCEMENTS**

Thus, as a result of the preliminary findings, the following scope of improvements is suggested:

In addition to providing a sloped roof over the entire structure, reinforcements within the walls, ceilings, and remaining flooring systems are anticipated. The foundation piles will require reinforcement and / or alteration. The exact scope, and thus the cost, of the enhancement program is undefined. The reality of having to perform structural rehabilitation of severe magnitude to the foundation, and to the remainder of the building is recognized, however.

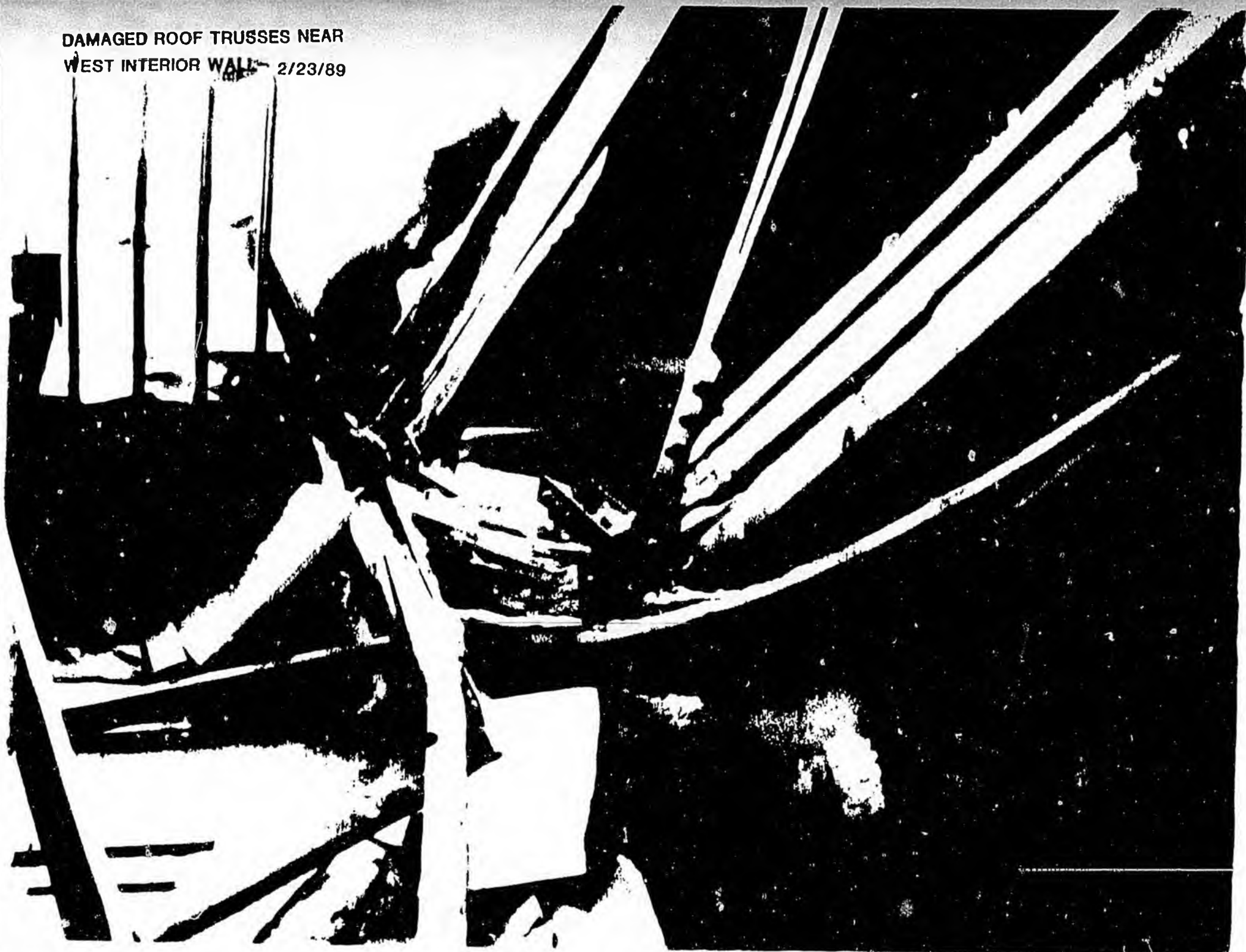
## **EXHIBITS**

To illustrate the magnitude of the catastrophe, photos of the failure event are included. Additionally, to assist the legislators in visualizing the proposed rebuilding program, Architectural conceptual drawings are likewise ensembled, illustrating the sloped roof concept.

## **EXHIBITS**

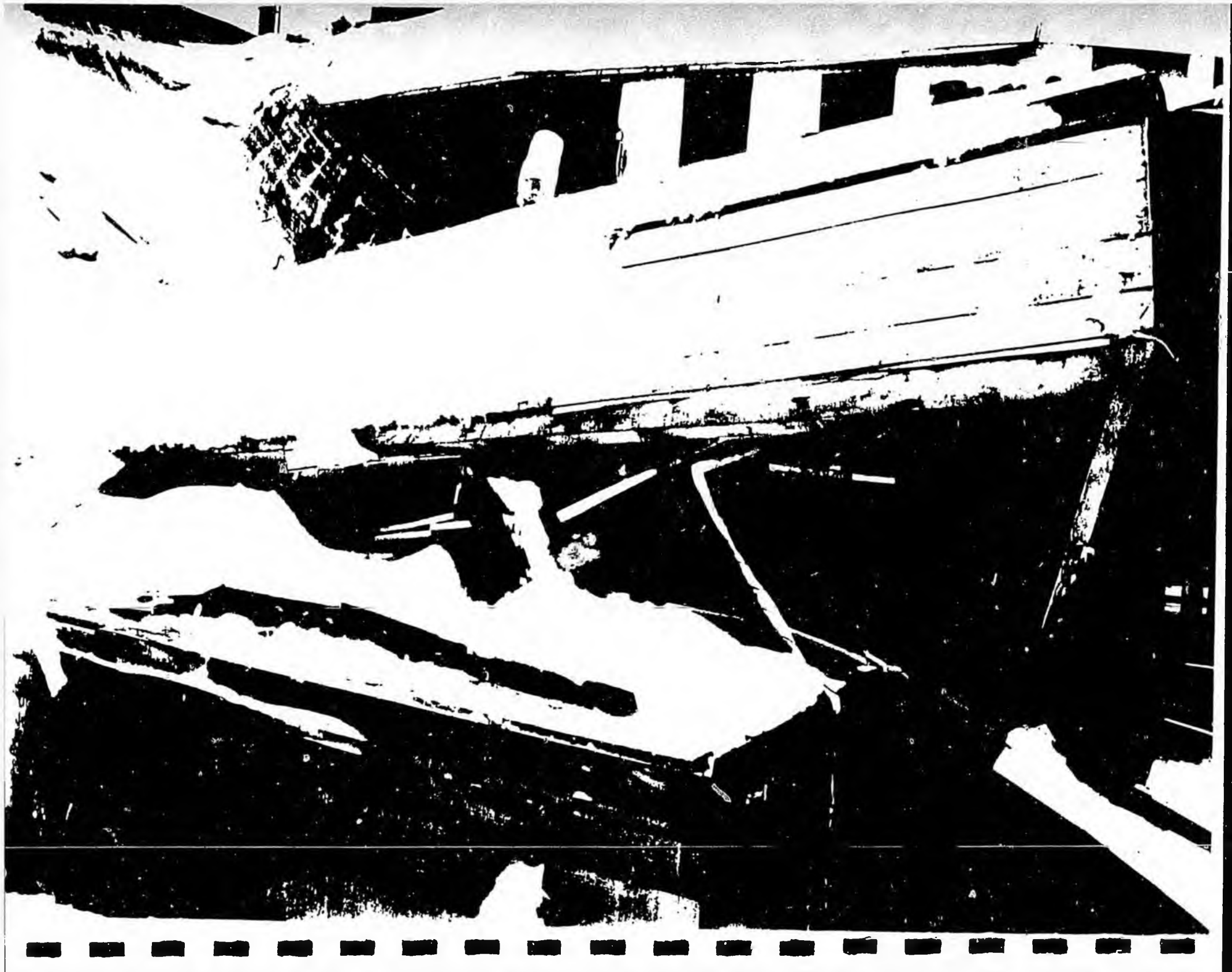
1. Photos - Damage following the collapse
2. Architectural Conceptal Drawings
  - perspective - before & after failure
  - perspective - sloped roof schemes
  - elevations - conceptual

DAMAGED ROOF TRUSSES NEAR  
WEST INTERIOR WALL 2/23/89

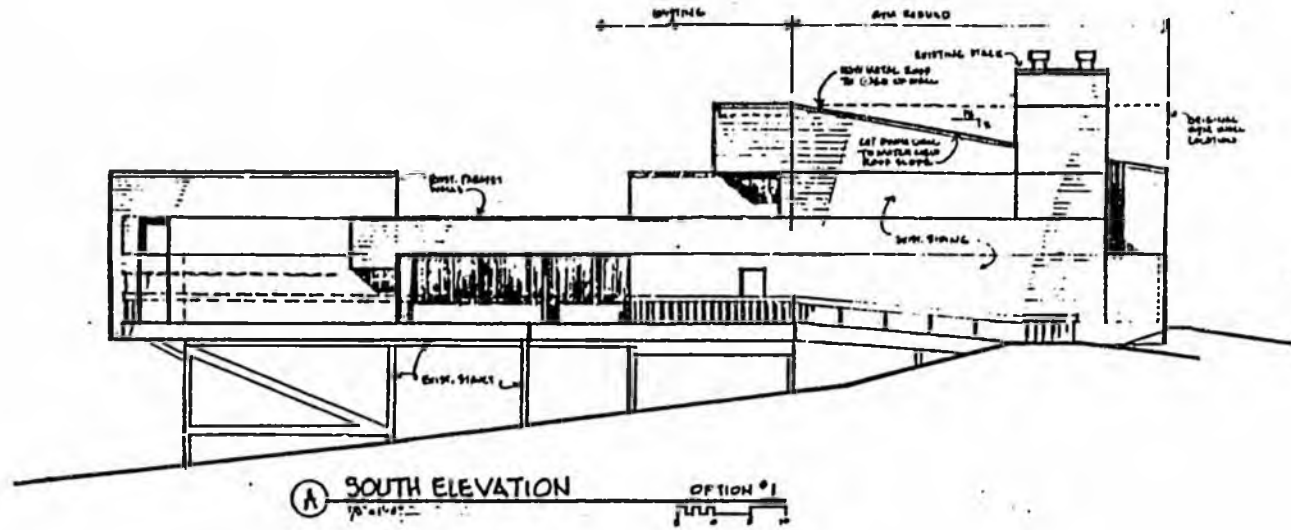




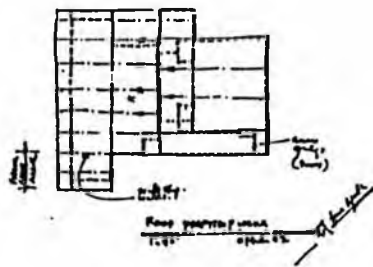
GYMNASIUM DAMAGE AREA LOOKING WEST -2/23/89



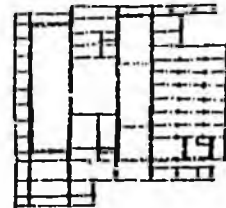




Flow Diagram  
 1/4" = 1'-0"  
 1/4" = 1'-0"



Flow Diagram  
 1/4" = 1'-0"  
 1/4" = 1'-0"



Structural Plan  
 1/4" = 1'-0"  
 1/4" = 1'-0"

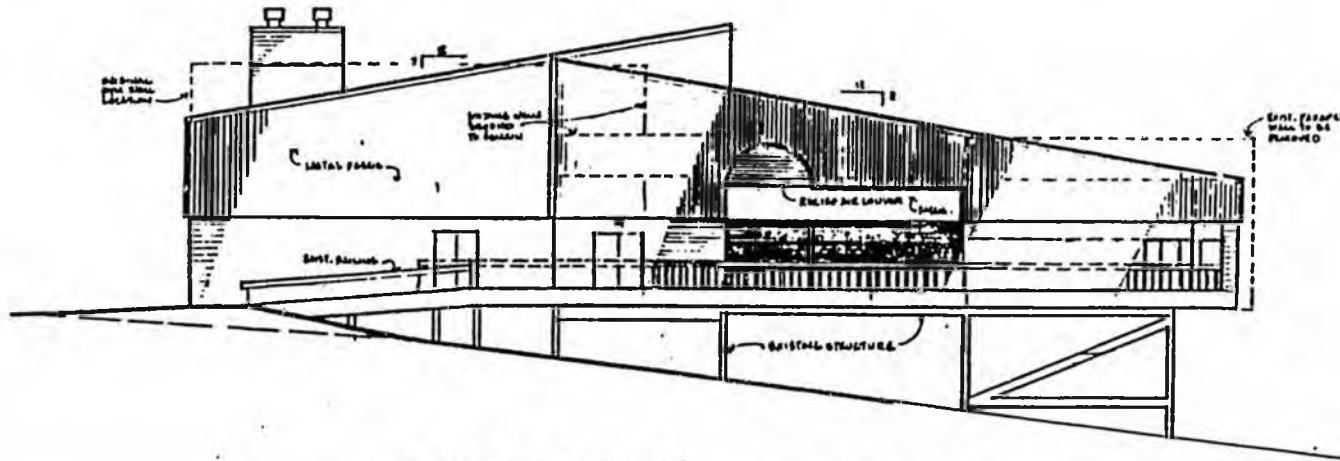


kumin associates, inc.  
 ARCHITECTS & ENGINEERS

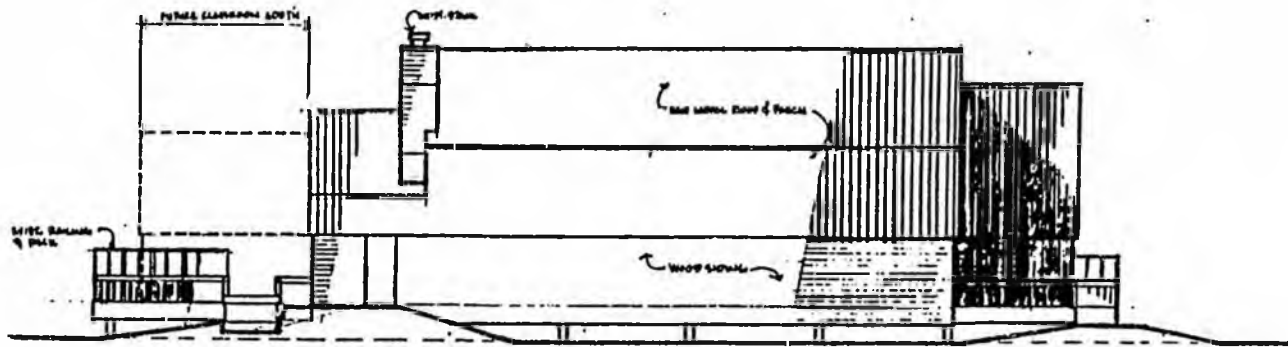
ALLENDALE SCHOOL REBUILT  
 CONCEPTUAL DESIGN  
 ALLENDALE, MASS.







(C) NORTH ELEVATION OPTION #2  
1/4" = 1'-0"



(D) EAST ELEVATION OPTION #2  
1/4" = 1'-0"

KUMIN ASSOCIATES, INC.  
ARCHITECTS & PLANNERS

ALEXANDER SCHOOL BUILDING  
CORPORATE DESIGN  
PUNJAB, INDIA



## **COST ESTIMATES**

The District has retained the services of a professional construction cost estimating company, HMS, Inc. of Anchorage to prepare estimates for the cost of replacement. The majority of the following cost presentation is derived from their initial and only report at the time of this presentation. The HMS estimate by itself, is incomplete due to additional deficiencies being discovered as the demolition work progresses. Thus, other costs are included; formulations by the District's construction management consultant, Stonebraker & Associates, also of Anchorage.

Further explanation of cost derivations are as follows:

1. Demolition - Includes the cleanup costs of the school site; selectively uncovering materials significant to determining causation, salvaging and storing reusables, and removing the unusable debris to the dumpsite, some distance away.

1. Construction - Estimated for construction start in Spring 1989, completion in Fall 1989, utilizing Title 36 labor rates, and fast-tracking techniques. It includes the gym equipment, bleachers, and finishes but excludes design and administrative costs. The \$375,000 structural enhancement estimate reflects anticipated renovations to the piling foundation and in the remaining portions of the building.

2. Design & Administrative - Assumes design cost at higher than normal, as related to rebuild / renovation / fast tracking approach. Administrative cost estimate assumes full services of a professional project manager / construction manager for the District, as related to the fast track approach.

3. Insurance Proceeds - Insurance proceeds to be derived will be based on the replacement costs of the building before the failure event and will not consider any design improvements therefrom. There will be no insurance proceeds to the cost contribution of the sloped roof over the remaining portion of the building, to the piling foundation fix, or to the remedial structural enhancements for the rest of the building. Those

costs will be to the District's account and represent the majority of this emergency funding request.

## REBUILD PROJECT ESTIMATE

### DEMOLITION

Clean-up of Debris \$ 90,000

### CONSTRUCTION:

Gym Replacement - New Sloped Roof Design \$ 725,472  
Sloped Roof Over Remaining Building 402,016  
Structural Enhancements - Remaining Building 375,000  
\$1,502,488

### DESIGN & ADMINISTRATION

Architectural & Engineering \$ 160,000  
Owner Administration & Project Management 200,597  
360,597  
Subtotal \$1,863,085  
Contingency \$ 186,309

**Project Estimate = \$2,139,394**

### INSURANCE PROCEEDS ANTICIPATED

Demolition \$ 30,000  
Gym replacement with flat roof [const] \$ 562,826  
Design & Owner Administration 84,424  
\$ 677,250

### REQUESTED AMOUNT FROM 1989 LEGISLATION

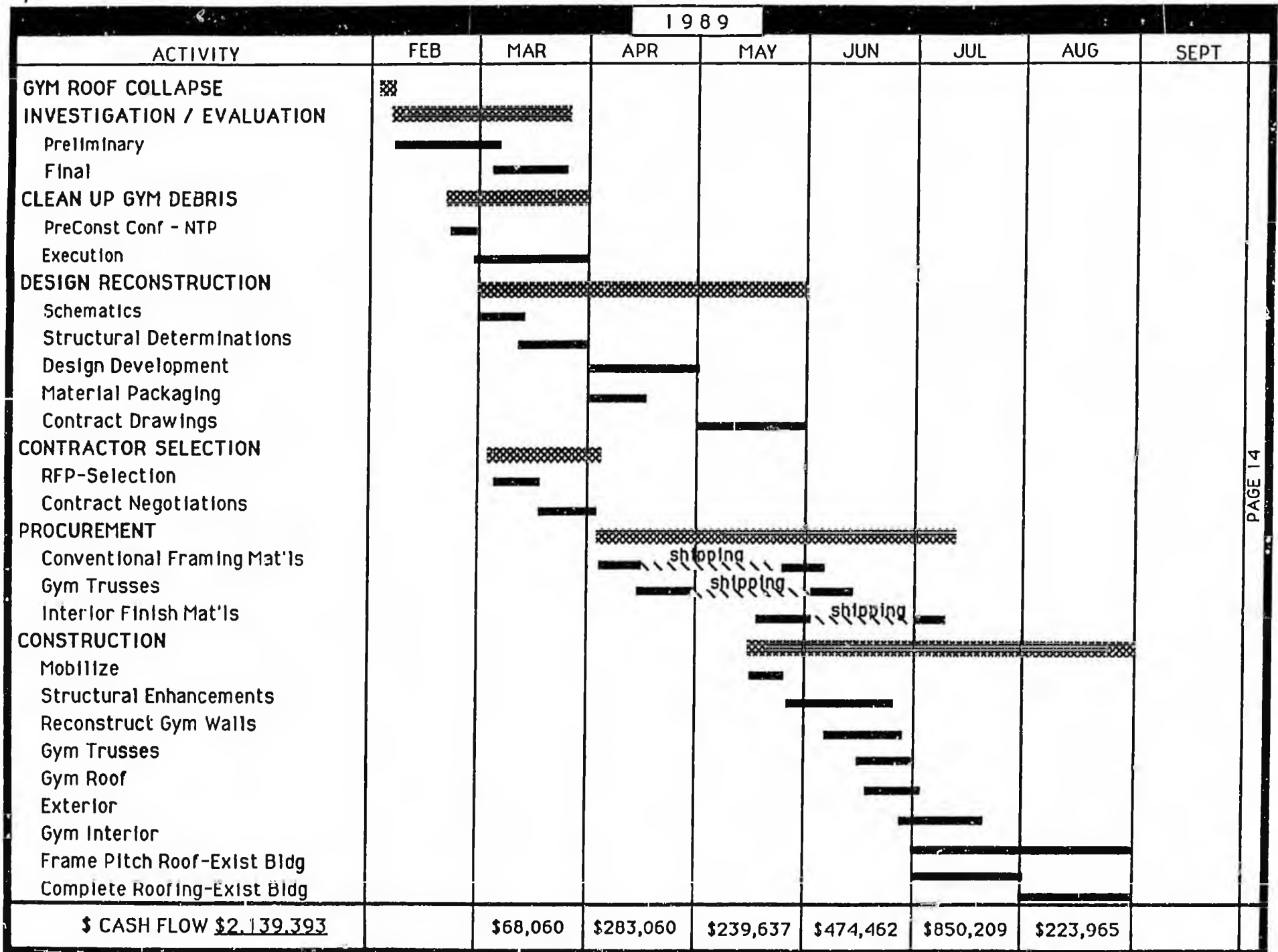
Rebuild Project Estimate \$ 2,139,394  
Anticipated Insurance Proceeds (-) 677,250  
\$ 1,462,144

**REQUEST = \$ 1,462,000**

## **SCHEDULE**

The attached schedule shows the overall project tasks and targeted timeframes for completion by September 1, 1989.. It demonstrates the concurrency of events by Designer / Contractor / Owner / Manager necessarily dictated by the short overall time frame. Associated with an accelerated completion schedule is an accelerated cash flow requirement, tabulated and shown by month on the bottom of the schedule.

# ALEGNAGIK SCHOOL - RECONSTRUCTION PROJECT SCHEDULE



## SUMMARY

Southwest Region School District faces two problems. First is the rebuilding of the gym and the second is the engineering finding that because of design and construction problems, there have been substantial effects on the stability of the remaining structure. The remaining portion of the Aleknagik School is not safe to house the current educational program. The two requests for funds that the District makes in this proposal are substantial structural enhancements of the foundation and remaining building, and the addition of a sloped roof over the entire building.

Insurance proceeds will only pay to replace what was previously designed and constructed. Without the additional funds for construction enhancement and a sloped roof over the entire building, the District will not be able to house students at Aleknagik.

The paramount reason for this request for State funds, in addition to the insurance proceeds is for the assured safety of the Southwest Region students. We request the 1989 legislature to issue a grant in the amount of \$1,462,000 in the Capital Improvement Projects bill to perform reconstruction and renovation described in this proposal.

Respectfully requested,

John Antonnen  
Superintendent



STATE OF ALASKA  
OFFICE OF THE GOVERNOR  
JUNEAU

MEMORANDUM

TO: Garrey Peska  
Chief of Staff

DATE: March 17, 1989

FROM: Mike Irwin *Mike Irwin*  
Special Staff Assistant

SUBJECT: Update of Activities  
and Issues Related  
to Cold Weather Dis-  
aster Declarations

SUMMARY OF ISSUE

Over the past four to six weeks we have dealt with a flurry of emergency and/or disaster situations caused by this winter's extreme weather conditions; first was the "Omega Block" cold spell which affected most areas of the state, the second was the series of storms and attendant high winds late last month that caused considerable damage from the Kotzebue area all the way across northern Alaska to the Canadian border.

To date, the Governor has approved the following with respect to conditions caused by the above-noted weather situations: 1) a Statewide Emergency Declaration that enabled the State to respond to emergency situations as they arose; and 2) five separate Disaster Declarations specific to individual communities and/or regions.

Expenditures from the State's Disaster Relief Fund are mounting quite rapidly and certain public policy issues have arisen that need to be addressed.

NEED TO BE BRIEFED

As a result of responding to the various requests for assistance, we have been expending monies from the Disaster Relief Fund at a pretty healthy pace. In fact, pending requests, together with requests we anticipate will be forthcoming in the next couple of weeks, could actually zero-out the Fund if all requests are approved. I feel it is necessary at this juncture for us to begin giving serious consideration to alternative forms of financial assistance (e.g. special legislative appropriations, loans rather than grants on some of the monies being obligated from the Disaster Relief Fund, etc.). This is especially urgent in that expenditures under at least one declaration have reached the \$1 million level. Any future funding of this disaster will require legislative concurrence.

In addition, we have lately received requests for which we have no clear precedents to guide us in our decision-making. One of these requests has been turned down (initially, that is, as we're looking for alternatives), and another we are processing with a fair amount of caution that could be interpreted as "foot dragging." The way in which we ultimately handle both of these - as well as similar situations that have arisen or might arise in the near future - may have some political/public policy implications and consequences that should be anticipated and dealt with before they reach unmanageable levels.

#### CURRENT AGENCY INVOLVEMENT

The Department of Military and Veterans Affairs, Division of Emergency Services, is, of course, the central State player in all of this. They have been responding to the myriad requests in accordance with the policies and practices as outlined in the State's Emergency Response Plan.

Other agencies/service providers have been tasked by ADES, where appropriate, as follows:

-Alaska Power Authority (in instances where emergency situations exist due to power generation failures);

-DEC/Village Safe Water Program (in cases of damage to community water and/or sewer systems);

-Dept. of Health & Social Services (involvement in relation to administration of emergency energy assistance funds); and

-The American Red Cross (for food resupply to communities cut off from normal food deliveries during the Omega Block cold spell).

The involvement of two other "interest groups" should also be mentioned here, as their involvement could prove key to future plans for responding adequately to the whole of the cold weather related situation.

-The Alaska Legislature: Several members of the Legislature have shown a continuing interest in our response to cold weather related emergencies and disasters. It should be noted that these same legislators have also provided a fair degree of assistance to us. They have pledged support for any legislative initiatives that we might deem necessary in order to fully mitigate the effects of this winter's severe weather.

-Federal Emergency Management Agency (FEMA): ADES recently sent a formal request to FEMA Region X asking that a disaster assessment team be sent to Alaska. If our request is honored, our intent is to have a determination made on whether or not we can qualify for a federal disaster declaration. Such a declaration would enable us to recoup at least some of the costs of our cold weather disaster response effort.

ADES, together with representatives from the Village Safe Water Program, met on Friday, March 10 with a FEMA representative. The purpose of the meeting was to map out the particulars of the federal assessment plan scheduled to begin late this month.

#### RELATED STATE POLICIES

Basically, we are operating under the general State policy that we will provide assistance to affected communities to bring them back to "pre-disaster conditions." The ultimate decision about how we fully achieve the goals of that policy would be the subject of a meeting as recommended below.

There are no other known State policies that have an effect on the subject matter of this memorandum (except for the statutory requirement, as mentioned previously, which calls for consultation with the legislature before expenditures on any one disaster can exceed \$1 million).

#### NEXT STEPS AND KNOWN DECISION POINTS

I have attached a summary of where we are currently with respect to the various cold weather-related disaster declarations. The summary for each includes next known steps and anticipated decision points.

From an overall perspective, I feel we are at the point where major decisions need to be made on a number of issues (i.e. those mentioned in the first two sections of this memo).

#### RESOURCES REQUIRED

No resources, other than minimal staff time, are needed for the proposed internal staff meeting requested below.

From a broader perspective, the attachments summarize what we expect will likely be needed in the way of overall State resources (i.e. funding) if full recovery is to be achieved.

#### RECOMMENDATION

I feel it would be beneficial to have a meeting soon within the Governor's Office to discuss certain critical questions that are facing us regarding our attempts to fully mitigate damage

Garrey Peska 3/17/89  
Disaster Declarations  
Page 4 of 4

caused to individuals and communities by this winter's severe weather conditions. I recommend such a meeting.

Suggested participants at the requested meeting include (besides yourself and I): Bob Evans, Alison Elgee and Erv Martin.

cc: Bob Evans  
Alison Elgee  
Gen. John Schaeffer  
Erv Martin

Synopsis of Situation  
March 17, 1989

STATEWIDE EMERGENCY DECLARATION

Declaration

Type: Emergency Declaration  
Date declared: January 28, 1989 (expired 2/28)  
Community(ies): Some 56 individual communities throughout the  
state received some form of assistance under  
authority of the Declaration

Situation(s) Addressed

Emergency food and fuel airlifts; road openings for resupply;  
and emergency repairs to water and sewer systems were the main  
categories under which assistance was given.

Funding

Transfers from Disaster Relief Fund to ADES: \$ 800.0  
Expenditures this Declaration, to date: \$ 622.0  
Total projected costs this Declaration (est): \$ 800.0- \$1. million

Special Notes

We have on file for reference a complete itemization of the  
\$622.0 spent/obligated to date under the Emergency Declaration.

Synopsis of Situation  
March 17, 1989

NORTHWEST ARCTIC BOROUGH DISASTER

Declaration

Type: Disaster Declaration  
Date Declared: Feb. 1, 1989 (Revised 2/17 to include Kotzebue)  
Community(ies): All communities in the Northwest Arctic Borough

Situation(s) Addressed

Work on damaged water and/or sewer systems (including several school systems): Kotzebue, Noorvik, Shungnak, Kiana, Selawick, Ambler, Kobuk, Buckland, Deering and Noatak.

Replacement of electrical generation system: Buckland.

Funding

Transfers from Disaster Relief Fund to ADES: \$ 1.0 million  
Expenditures this Declaration, to date: unknown  
Total expenditures this Declaration (est): \$ 3.5 million\*

Special Notes

\*The \$3.5 million figure above does not include an estimated \$900.0 needed to bring Noatak completely to safe water and sewer standards. We currently have a \$400.0 CIP request in the budget for this, but Village Save Water estimates that \$900.0 is actually needed for the problem with the sewage lagoon and fresh water source to be completely dealt with.

Synopsis of Situation  
March 17, 1989

ST. GEORGE DISASTER

Declaration

Type: Disaster Declaration  
Date Declared: February 9, 1989  
Community(ies): St. George

Situation(s) Addressed

Clean-up of debris/spilled oil from the sinking of the community landing craft, and restoration of landing craft to pre-disaster conditions.

Funds

Transfers from Disaster Relief Fund to ADES: \$ 135.0  
Expenditures this Declaration, to date: unknown  
Total expenditures this Declaration (est.): \$ 135.0

Special Notes

The subject of the Declaration - the community landing craft - is the only means of unloading supplies destined for the community.

Synopsis of Situation  
March 17, 1989

SAND POINT DISASTER

Declaration

Type: Disaster Declaration  
Date Declared: Feb. 27, 1989  
Community(ies): Sand Point

Situation(s) Addressed

Repair/reconstruct city water main that serves local boat harbor. People residing on their boats (i.e. 15-20 people) were left without safe water and sewage disposal facilities. The situation also left State-owned ferries with no available safe water source.

Funding

Transfers from Disaster Relief Fund to ADES: \$ 65.0  
Expenditures this Declaration, to date: unknown  
Total expenditures this Declaration (est.): \$ 65.0

Special Notes

None

Synopsis of Situation  
March 17, 1989

AKHIOK DISASTER

Declaration

Type: Disaster Declaration  
Date Declared: March 2, 1989  
Community(ies): Akhiok

Situations Addressed

Replacement of community power generation system. The system failed as a result of excessive power demands during the Omega Block cold spell. Residents went some 2-3 weeks without electricity.

Funding

Transfers from Disaster Relief Fund to ADES:	\$ 70.0
Expenditures this Declaration, to date:	unknown
Total expenditures this Declaration (est.):	\$ 70.0

Special Notes

None

Synopsis of Situation  
March 17, 1989

NORTH SLOPE BOROUGH DISASTER

Disaster

Type: Disaster Declaration  
Date Declared: March 8, 1989  
Community(ies): All communities in the North Slope Borough plus  
Kivalina, Deering and Selawick (i.e. three  
communities not in the North Slope Borough)

Situations Addressed

Assessment of public and private damages/losses caused by severe winter storm conditions (i.e. exceedingly high winds for nearly a week) throughout the northern section of the state.

Funding

See "Special Notes," below.

Special Notes

1) The Declaration allows ADES to spend administrative dollars in order to assess the extent of damages to both public facilities and private residences/property.

2) The original request per the Borough's disaster declaration was for upwards of \$1.1 million (\$ 605.0 in public assistance needed; \$ 500.0 in individual and family assistance needed). Any decision regarding State disaster assistance for recovery of any or all of these costs will be partially contingent upon the results of the ADES' assessment.

3) A major policy question exists with respect to the Borough's request for public assistance in the amount of \$605.0.

APPENDIX TO DISASTER SITUATION MEMO

To: Garrey Peska  
From: Mike Irwin  
Date: March 17, 1989

DISCUSSION OF ISSUES

I. DEPLETION OF DISASTER RELIEF FUND

We are currently faced with the very real possibility that the Fund could be depleted well before the end of the fiscal year. In fact, an as yet unknown amount (perhaps in the millions) could be needed in addition to what's remaining in the Fund in order for us to meet requests -- both known and expected -- for assistance.

Available Funds

Total (est.) Remaining in Fund before  
North Slope Borough Declaration: \$ 3,000,000

Estimated/Potential Need

- 1) Outstanding Known Estimated Need: \$ 3,583,000 - 4,583,000
- a. N.S. Borough \$605,000-1,105,000
  - b. NW Arctic Borough  
(exc. Noatak) \$2,500,000
  - c. Noatak \$400,000-900,000
  - d. Tanana \$78,000
- 2) Other Potential Requests Currently  
Being Monitored by ADES: \$ 1,000,000 - 1,500,000
- a. Nome (sewer & water) \$1,000,000 (est)
  - b. Galena " " \$ 500,000 (est)
- 3) Other Potential Situations for inclu-  
sion in Any Proposed Special  
Imp ct Aid Funding: \$ 800,000 - Unknown
- a. Aleknagik School \$800,000 - plus
  - b. Statewide Municipal  
General Assistance \$ unknown

## II. DENIAL OF FUNDING REQUESTS

Whenever we: 1) deny a request for a Governor's Declaration of Disaster, and/or 2) question or deny State funding from the Disaster Relief Fund (Fund/DRF) for certain components of a declared disaster, a political situation can result which needs to be addressed. The three examples of these types of situations that we currently have before us to deal with are as follows:

Tanana Elders' Residence: The City of Tanana submitted a local Declaration of Disaster Emergency for the loss of the fire sprinkler system in the city's Elders' Residence during the February cold spell. The facility is leased by the City, but in the lease the City agreed to provide maintenance and upkeep on the facility. When the sprinkler system was, for all intents and purposes, destroyed, we were requested to bear the costs of replacing the system (approx. \$78.0).

OMB has expressed reservations with respect to: 1) whether or not we should be paying for such improvements to nonpublicly-owned facilities from the DRF (the building is owned by the regional Native nonprofit organization); and 2) the seeming noncritical nature of the situation (this point, of course, can be argued from an emotional sense -- i.e. leaving elders unprotected; or, creating the potential for the facility to be closed down by the fire marshal).

It has been our position that this request should more appropriately be handled through some other means such as the CIP process, a loan from the DRF, or, in conjunction with other requests that we might not be able to address through use of the DRF, a special legislative cold weather-related appropriation.

As to the politics of this request and initial denial, we have been in frequent contact with staff from both Senator Binkley's office and Rep. Wallis' office. On Wednesday, 3/15, I was personally contacted by Senator Binkley. The Senator has expressed an interest in taking a look at how we have been handling all of the cold weather-related emergency situations. His implication to me was that his district is being ignored while requests from other districts are being honored.

North Slope Borough Disaster: Although we have declared a disaster emergency, there is a serious question about the public assistance component of this request. In effect, the Borough is asking that we pay roughly \$605.0 from the DRF towards their \$1.0 million insurance premium deductible.

OMB has raised the policy concern about whether or not paying a municipality's insurance deductible is an appropriate use of disaster relief monies. To my knowledge, there is no precedent for this situation. However, an argument can be made that at least the Borough has an insurance policy. Most, if not all, other municipalities that we have dealt with during this most recent period of disaster situations have not had insurance. In these situations the State has had to pay for all damage repair.

Northwest Arctic Borough/Noatak: The final estimated costs associated with the NW Arctic Borough disaster do not include the very serious water and sewer problems in Noatak. As you will remember, late last fall we denied Noatak's request that monies from the DRF be used to build a new sewage lagoon for the community. While that in and of itself created some difficulties with certain legislators, the cold weather in January and February compounded the problem. That is, the community safe water system needs major work -- if not complete reconstruction as a result of damages caused by the cold weather.

Village Safe Water estimates that \$900.0 is needed to fully bring Noatak to safe water and sewer standards. We currently have a \$400.0 CIP request in the budget, with no other funding proposed from any other source. The situation could result in serious health consequences if the problem is not effectively addressed at some point in the near future.

### III. LONGER RANGE FISCAL IMPACTS ON COMMUNITIES

One issue that has been brought forward repeatedly is that of the fiscal problems with which many communities have been presented by the extreme weather conditions this winter. Basically, municipal budgets, already strained due to reductions in municipal assistance and revenue sharing over the past couple of years, have been impacted quite negatively by the cold weather (i.e. a much greater than planned requirement for fuel to run essential municipal services).

The extent and severity of this situation is unknown, and there is very likely little that can be done to address it by way of the DRF. However, I think it could surface as an issue when and if we approach the legislature with a plan for complete mitigation of all known cold weather-related situations.

### IV. ALTERNATIVE FORMS OF FUNDING

As noted previously, we may be facing a situation where the DRF will be exhausted well before the end of the fiscal year. In addition, funds above and beyond what we have available to spend could be needed for full statewide recovery from the severe winter weather. Also previously noted, other potentially serious situations (e.g. Tanana, Noatak), while they may not meet our basic criteria for disaster declarations, should be addressed.

To date, three possibilities for meeting the ever-increasing volume of requests have surfaced. These are not necessarily all-inclusive of the possibilities, and a plan could be constructed that includes aspects of each:

Special Impact Funds: Early on in the current series of cold weather situations, several legislators proposed the idea of attempting to obtain special funds to meet the overall needs for damage mitigation. Though I am not well-versed enough to offer any

insights as to the possibilities of getting Special Impact Aid legislation approved, I think it is an avenue well worth exploring.

For some purposes, Special Impact Aid would be more desirable than simply adding money to the DRF (see below) in that situations such as those in Tanana, Noatak and the North Slope Borough could be addressed without setting new precedents with regard to use of the DRF.

Increase Disaster Relief Fund: From a purely bottom-line perspective, this doesn't really differ from the Special Impact Aid discussed above. However, I think that certain components of the total package of outstanding need should, if at all possible, be taken care of through some other funding mechanism so as to avoid setting certain precedents that we may, for future purposes, not want to see established.

Disaster Relief Loans: The concept of establishing a low interest loan fund for municipalities was suggested by OMB as a possible alternative for addressing some of the more extraordinary needs.

In follow-up, I checked with ADES and they indicated that DFR funds have been loaned, rather than granted, in certain past situations.

## MEMORANDUM

## STATE OF ALASKA

TO: Rich Cormack  
Env. Field Officer

DATE: 2-24-89

FILE NO: New File

TELEPHONE NO: 443-2600

FROM: Simon Mawson  
N.W. District Engineer

SUBJECT: Unalakleet Gasoline  
Spill

On Saturday 2-18-89 I received a phone call from Larry Safford of V.R.C.A. Environmental, the company employed by the Unalakleet Native Corporation (U.N.C.) to attempt to locate the 40,000 gallons of gasoline reported spilled on 2-9-89. Larry informed me that after substantial effort using hand digging techniques in frozen ground they had located a 5" layer of gasoline. Due to the small size of the hole it was not possible to determine what the gasoline was resting on or even if it was only 5" thick. The hole was backfilled to prevent the release of gasoline vapors, while recovery and plume definition alternatives were considered.

On 2-22-89 I flew to Unalakleet with Larry Safford. The purpose of the trip was to inspect the tank farm area and meet with U.N.C. President Bob Gilley, to discuss what further actions the corporation would take. After driving by the spill site, Larry and I met with Bob Gilley. The Unalakleet Native Corporation lawyer and a consultant were on the speaker phone. I tried to describe the situation over the speaker phone.

Investigations to date had shown that the fuel had likely leaked from a cracked, buried, gravity pressurized distribution line. There was no evidence that fuel had flowed over the ground but rather it seems to have percolated through the frozen but porous ground and has pooled about 9' below the ground surface. The extent of the plume is unknown at this time, although it may not have moved too far yet because of the season. I expressed concern that extreme caution be taken during recovery efforts because of the extremely hazardous nature of gasoline and the proximity of the spill to other bulk fuel storage tanks and a residential subdivision. Additionally I expressed concern that efforts to define the plume were organized properly to minimize costs. I feel that because the ground is frozen we have some time for proper planning, although if recovery efforts are not underway by the second week of March at the latest I am very concerned that breakup will cause problems.

FEB 27 '89 09:37 NOME-LIO#443-2152

P.2

It is important to remember that Unalakleet lies on a small spit bordered to the east by a slough, to the south by the Unalakleet River and to the west by Norton Sound. There is a herring fishery which occurs in May and commercial salmon fishing as well as subsistence fishing occur throughout the summer. Additionally marine mammals are present in the area.

At 2:47 PM today I talked with Dave McDowell of the Alaska Division of Emergency Services (A.D.E.S.). A.D.E.S. had been informed by U.N.C. that their insurance coverage contained an environmental exclusion. U.N.C. does not have the financial resources to respond to the spill and was interested in whether or not disaster/emergency moneys might be available. Dave was investigating whether ADEC had any spill clean up money available before pursuing emergency funding. Our monies are tied to cost recovery from the responsible parties. Since the responsible party would be cleaning this spill up if they had the financial resources, it seems somewhat futile for us to be suing them for what they don't have.

The bottom line is that unless we are able to begin recovery and plume definition operations by the beginning of the second week of March, I am extremely concerned that breakup could increase the plumes rate of migration such that we would be unable to prevent it migrating to the Unalakleet River or Norton Sound, possibly resulting in serious damage to the environment, not to mention the threat to life and property.

cc: Peta McGee  
Jon Janssen  
Lyn Kent  
Dave McDowell

B

MEMORANDUM

State of Alaska

\* Brinkley  
Wallis  
Notified

TO: Mike Irwin  
Special Assistant  
Office of the Governor

DATE: February 28, 1989  
FILE NO: 12.B  
TELEPHONE NO: 376-2337

FROM: Ervill Paul Martin  
Division of Emergency Services  
Department of Military  
and Veterans Affairs

SUBJECT: Tanana Elder's  
Residence

Enclosed is a draft Declaration and Fact Sheet concerning cold weather damage to the City of Tanana's Elder's Residence.

The City of Tanana has submitted a local Declaration of Disaster Emergency for the loss of the fire sprinkler system in their Elder's Residence. The occurrence of the recent "Omega Block" caused the freeze up and destruction of the fire sprinkler system which is in place above the ceiling of the facility. To repair the system as is would require removal and replacement of either the ceiling or roof and the system would still be in jeopardy of freezing in the future.

It would cost less to abandon the old, burst system and replace it with a new system that hangs down into the room and is exposed to normal room temperatures.

The Elder's Residence is home for up to ~~individuals~~ / including ~~blind and invalid persons~~. / The building is part of the old Public Health Service Hospital and is leased to the City of Tanana. ~~the City of Tanana is responsible for the lease, plan~~ ~~the building for maintenance and building code compliance upon~~ ~~the City~~. For the Elder's Residence to be without the sprinkler system is a threat to life of the residents.

The State Fire Marshal's Office requires a plan review for sprinkler systems to assure fire code compliance. Recovery costs will therefore require both engineering design costs and plan review costs by the Division of Fire Prevention.

I am recommending the use of Disaster Relief Funds to assist the City of Tanana in recovering from the loss of the Elder's Residence fire sprinkler system and that funding be as follows.

Public Assistance	\$68,000.00
Administration	\$10,000.00

FACT SHEET

ADES/MIKE BIRD  
249-1370  
February 28, 1989

A. SUBJECT Tanana Elders Residence

B. BACKGROUND During the recent cold period the fire sprinkler system in the Tanana Elder's Residence suffered major damage due to freezing. The Residence is operated by the City of Tanana's Health and Social Services and is partially funded by the Older Alaskans Commission. The residence houses up to 16 elderly including blind and incapacitated individuals.

C. FACTS BEARING ON THE SUBJECT

1. Facts:

- a. ~~System~~ is required by building code (therefore State Fire Marshal) and presents a threat to life while inoperable.]
- b. To repair the system in place would require reconstruction expenditures equivalent to the cost of replacing the present above ceiling system with a below ceiling system that would be ~~at least~~ likely to freeze in the future. }

\*

~~Insurance~~ on the

2. Actions Completed: Fact finding through Tanana Chiefs Conference, Older Alaskan's Commission, Public Health Service, Village Safe Water, City of Tanana and State Fire Marshal's Office.
3. Actions Required: Recommend that a declaration of disaster be signed by the Governor to provide funding for reconstruction of the sprinkler system.

*Division of Emergency Services*

**Summary of damages claimed by the City of Nome**

<b>Damages to streets</b>	
26 blocks of surface	<b>\$550,376.00</b>
<b>Damages to water and sewer system (including damage to school property caused by water leaks)</b>	
Repair to fire hydrants	12,000.00
Repair to water reservoir	15,000.00
Modification of steam boiler for extreme cold	7,000.00
Repair of line breaks & repair to streets	300,000.00
Engineering	20,000.00
Repairs to school property	53,875.00
	<b>\$417,875.00</b>
<b>Total damages for City of Nome</b>	<b>\$968,251.00</b>

*Cold weather bill*

KCHU/TERMINAL RADIO, INC. CAPITAL REQUEST

high winds and extreme temperatures during the first few weeks of 1989 caused KCHU to go off the air several times. The specific damage incurred was to the Antenna and Ground system and a failure of the transmitter shelter's insulation and heating system. At our Studio/office facility the air intakes to our air handling/heating/ventilation system were jammed with snow, causing the heating element to freeze and burst the plumbing. The resulting flood in our newsroom/operations office caused considerable additional damage. The entire core unit of the air handler must be replaced to meet code.

This project request is for funds to replace the air handling system in our studio suite, install protective louvers to prevent a recurrence, and repair or replace the equipment, furniture and fixtures damaged by the flooding. We will also repair the Antenna/Ground system interface at our transmitter site, upgrade anchors & guys on the tower and shelter retrofit additional insulation and roof support for the shelter, install a fuel tank and oil heater and replace/repair transmitter site fencing.

Our cost estimates were prepared in consultation with local suppliers, contractors and the project supervisor of our original construction effort. We feel they represent a realistic view of the costs to bring KCHU back to full operational capability and provide some needed preventive maintenance for our basic plant.

#### I. KCHU Studio Repairs (128 Pioneer Drive, Valdez)

- A. Air Handling/Heating System...replacement & repair  
New heat exchange unit, new ducting, new controls & louvers, new fan motor & controls, repair duct vents to outside.  
ESTIMATE: Labor @ \$2305, Materials @ \$3700, TOTAL: \$6005
- B. Studio Building Repair/Renovation...Repair or replace water damaged ceiling, shelving & walls, move Satellite downlink electronics rack, rewire power supply, replace water damaged electronics, rebuild/relocate front & rear entrance stairs.  
ESTIMATE: Labor @ \$3155, Materials @ \$3400, TOTAL: \$6555

#### II. Transmitter Site repairs (Old Town City Lease Land)

- A. Tower & Antenna System repair...Recondition anchors & guys, repair & replace tower fence, install new Antenna/Ground interface and replace ground system as needed.  
ESTIMATE: Labor @ \$3520, Materials @ \$2300, TOTAL: \$5820
- B. Transmitter Shelter repair/upgrade...Install load bearing partition wall, install additional insulation & vapor barrier, install large capacity oil tank & oil heater, install remote environment sensors (wind velocity, inside & outside temps).  
ESTIMATE: Labor @ \$2465, Materials @ \$2115, TOTAL: \$4580

III. SUMMARY OF PROJECT EXPENSES	LABOR	MATERIALS	TOTALS
I.A. Air/heat system	\$2,305	\$3,700	\$6,005
I.B. Studio Building repair	\$3,155	\$3,400	\$6,555
II.A. Tower & Antenna system	\$3,520	\$2,300	\$5,820
II.B. Transmitter Shelter	\$2,465	\$2,115	\$4,580
<b>PROJECT REQUEST TOTALS:</b>	<b>\$11,445</b>	<b>\$11,515</b>	<b>\$22,960</b>

# MEMORANDUM

State of Alaska

TO Jeff Morrison  
Admin. Support Svs. Division  
Department of Military  
and Veterans Affairs

DATE March 9, 1989

FILE NO:

GOVERNOR'S OFFICE

TELEPHONE NO 376-2337

FROM *A. S. ds*  
Ervin Paul Martin, Director  
Division of Emergency Services  
Department of Military  
and Veterans Affairs

SUBJECT Statewide Emergency  
Response Activities

Yesterday we telecopied our complete files on the following disaster related activities:

1. North Slope Borough
2. Northwest Arctic Borough
3. Saint George
4. Sand Point
5. Ahkiok
6. Tanana
7. Letter to FEMA requesting preliminary damage assessment team.

NOT included was a breakout of expenditures that are being handled under the Governor's Statewide Emergency Declaration which was signed by the Governor on January 28, 1989. Included under this declaration are emergency response actions that cover a wide range of activities. The following is a summary of costs incurred to date under that particular declaration:

1. Emergency repairs to water and sewer systems statewide. Over 50 communities involved. Damage was relatively minor and for the most part was 15,000 or less per community. Money has been RSA'd to VSW for project management. \$261,000
2. Open up road to Whale Pass. Money RSA'd to DOT/PF. \$184,400
3. Open road to Slana. Money RSA'd to DOT/PF \$ 25,000
4. Open wood cutting road in Interior Region. Money RSA'd to Division of Forestry. \$ 2,000
5. Resupply of food and other essential items to Lime Village, Takotna, Nicolai and Telida. Cost includes air transportation. \$ 14,500

6.	Fuel and air transportation costs for Manokotak.	\$ 13,440
7.	Space heaters for Klawock.	\$ 2,000
8.	Stream clearance at Hyder.	\$ 6,000
9.	Emergency fuel airlift charges. We paid transportation - villages paid for fuel.	
a.	Manokotak (second requirement)	\$ 16,600
b.	Tuntutuliak	\$ 20,000
c.	Eek	\$ 9,000
d.	Noorvik	\$ 22,500
e.	White Mountain	\$ 7,728
∴	Tuluksak	\$ 6,750
g.	Cordova (required different grade of fuel)	\$ 23,875
h.	Unalakleet	\$ 29,400
i.	Karluk	\$ 9,400
10.	Open road to Tetlin.	\$ 5,000
11.	Energy assistance to individuals.	\$100,000
12.	Mekoruk - damage to public facilities.	\$ 2,500
13.	Engineering services.	\$ 10,460.69
14.	Technical assistance to Thorne Bay Fire Department.	\$ 330
15.	Aerial resupply of food and essential items to Birch Creek.	\$ 18,918.96
16.	Grader rental to open road to Thorne Bay.	\$ 1,375
17.	Grader rental to open road to Whale Pass.	\$ 3,930
18.	Aerial resupply of food and essential items to children of a family stranded in an isolated cabin.	\$ 2,000
TOTAL TO DATE		\$621,892.05

\* Costs to reimburse Red Cross for various services and National Guard expenses are unknown at this time.

\* Based upon the above we estimate total costs for this portion of the disaster will be in the \$800,000 to \$1,000,000 range.

Page 3  
March 9, 1989

Incidentally, Nome has indicated that damage to their water and sewer system may now go over the \$1,000,000 mark. They are still doing their assessment and don't anticipate formally requesting a declaration before March 17.

cc: Mike Irwin  
Special Assistant  
Office of the Governor



# Alaska State Legislature

## SENATE

Official Business

P.O. Box V  
State Capitol  
Juneau, Alaska 99811

April 21, 1989

TO: Senator Mike Szymanski  
FROM: Senator Jay Kerttula  
SUBJECT: Senate Bill 292, cold-weather disaster bill

During the winter storms in early 1989, KCHU in Valdez experienced severe damage to their transmission system and studio. Senate Bill 292 addresses the problems incurred by communities during this storm.

I would appreciate it if you would offer the following amendment to Senate Bill 292 when it is up in the Senate Community and Regional Affairs Committee; it is scheduled for a hearing on April 25:

\*Sec. The sum of \$22,960 is appropriated from the general fund to the Department of Administration, Alaska Public Broadcasting Commission, for payment as a grant under AS 37.05.316 to KCHU Radio Station in Valdez, for transmission site and studio repairs.

High winds and extreme temperatures during the first few weeks of 1989 caused KCHU to go off the air several times. The specific damage incurred was to the Antenna and Ground system and a failure of the transmitter shelter's insulation and heating system. At our Studio/office facility the air intakes to our air handling/heating/ventilation system were jammed with snow, causing the heating element to freeze and burst the plumbing. The resulting flood in our newsroom/operations office caused considerable additional damage. The entire core unit of the air handler must be replaced to meet code.

This project request is for funds to replace the air handling system in our studio suite, install protective louvers to prevent a recurrence, and repair or replace the equipment, furniture and fixtures damaged by the flooding. We will also repair the Antenna/Ground system interface at our transmitter site, upgrade anchors & guys on the tower and shelter retrofit additional insulation and roof support for the shelter, install a fuel tank and oil heater and replace/repair transmitter site fencing.

Our cost estimates were prepared in consultation with local suppliers, contractors and the project supervisor of our original construction effort. We feel they represent a realistic view of the costs to bring KCHU back to full operational capability and provide some needed preventive maintenance for our basic plant.

I. KCHU Studio Repairs (128 Pioneer Drive, Valdez)

- A. Air Handling/Heating System...replacement & repair  
New heat exchange unit, new ducting, new controls & louvers, new fan motor & controls, repair duct vents to outside.  
ESTIMATE: Labor @ \$2305, Materials @ \$3700, TOTAL: \$6005
- B. Studio Building Repair/Renovation...Repair or replace water damaged ceiling, shelving & walls, move Satellite downlink electronics rack, rewire power supply, replace water damaged electronics, rebuild/relocate front & rear entrance stairs.  
  
ESTIMATE: Labor @ \$3155, Materials @ \$3400, TOTAL: \$6555

II. Transmitter Site repairs (Old Town City Lease Land)

- A. Tower & Antenna System repair...Recondition anchors & guys, repair & replace tower fence, install new Antenna/Ground interface and replace ground system as needed.  
ESTIMATE: Labor @ \$3520, Materials @ \$2300, TOTAL: \$5820
- B. Transmitter Shelter repair/upgrade...Install load bearing partition wall, install additional insulation & vapor barrier, install large capacity oil tank & oil heater, install remote environment sensors (wind velocity, inside & outside temps).  
ESTIMATE: Labor @ \$2465, Materials @ \$2115, TOTAL: \$4580

III. SUMMARY OF PROJECT EXPENSES

	LABOR	MATERIALS	TOTALS
I.A. Air/heat system	\$2,305	\$3,700	\$6,005
I.B. Studio Building repair	\$3,155	\$3,400	\$6,555
II.A. Tower & Antenna system	\$3,520	\$2,300	\$5,820
II.B. Transmitter Shelter	\$2,465	\$2,115	\$4,580
<b>PROJECT REQUEST TOTALS:</b>	<b>\$11,445</b>	<b>\$11,515</b>	<b>\$22,960</b>

# MEMORANDUM

# State of Alaska

TO: Mike Irwin  
 Special Staff Assistant  
 Office of the Governor

DATE: March 6, 1989

FILE NO:

TELEPHONE NO: 376-2337

FROM: Ervin Paul Martin, Director <sup>EW</sup>  
 Division of Emergency Services  
 Department of Military  
 and Veterans Affairs

SUBJECT: Northwest Arctic  
 Borough Disaster

On February 23, 1989, representatives from Village Safe Water, Indian Health Service and an independent sewer and water engineer met with ADES to discuss the sewer and water problems within the Northwest Arctic Borough.

The total disaster related recovery costs for the Northwest Arctic Borough are estimated to be approximately \$3.5 million. The Legislature, of course, must approve obligations of money from the Disaster Relief Fund above the Governor's statutory limit of \$1 million. I've enclosed a copy of the summary of costs relating to water and sewer damage that was provided by Village Safe Water. The summary separates recovery costs into emergency operations, immediate repair needs, interim operations and final repairs. Final repairs and a percentage of interim operations can generally be planned for construction season or after the first of June.

At the conclusion of the meeting, the group agreed upon the following allocation of the initial \$1 million in funds already authorized for this disaster:

Alaska Power Authority (Buckland generator)	\$100,000
Northwest Arctic Borough School District	123,000
Village Safe Water	737,000
Administrative Costs	<u>40,000</u>
<b>TOTAL</b>	<b>\$2,600,000</b>

Basically, this will take care of most of the emergency operations, assessment and immediate repair requirements and will provide each community with some degree of water and sewer service. However, there are insufficient funds available within the currently authorized \$1 million ceiling to accomplish interim operations (\$147,192) or final repairs (\$2,474,309). Additionally, to prevent the same problem from happening in the future, Noatak's CIP request for \$400,000 will also have to be increased to \$900,000 in order that adequate well water and storage capacity can be provided. To summarize the above, it appears that approximately \$3.5 million (rounded) in additional funds will be required. over

*sewage lagoon*

and above what has already been authorized, to complete the recovery effort within the Northwest Arctic Borough.

The questions now remains what, if any, "pocket" the additional funds should come from? In my opinion there are three options available, each of which require legislative concurrence.

#### OPTION 1

Fund the \$2.6 million required for interim and final repairs from the Disaster Relief Fund and increase the CIP grant request for Noatak from \$400,000 to \$900,000.

#### OPTION 2

Fund the entire \$3.5 million required for full recovery through a special legislative appropriation sponsored by the Borough's legislative delegation.

#### OPTION 3

Fund an additional \$565,000 through the Disaster Relief Fund which would take care of all interim operations and permit final repairs on systems at Kiana, Selawick and Kotzebue. This increase will also require legislative concurrence. Fund final repairs for Noatak, (\$3. million including CIP), through a special legislative appropriation.

In reviewing the above, Option 1 gives me the most serious concerns. Actions underway within the \$1 million cap already authorized will in fact complete all emergency actions required. Although not up to pre-disaster conditions, some form of water and sewer service will be provided in each community. It would appear to me that the remainder of the work to be accomplished is more in the nature of CIP, particularly in the case of Noatak, and should more properly be addressed through a special legislative appropriation. Quite frankly I would have great difficulty supporting Noatak's complete request for emergency funds since, in fact, we would be rebuilding/replacing an entire water and sewer system that had a myriad of serious problems long before the disaster actually occurred. The system failure was inevitable under normal circumstances, the cold spell just accentuated the situation.

That basically leaves either Option 2 or 3, either of which I could agree upon. If option 3 is selected, you should be aware that this is the third major water and sewer disaster that Kotzebue has had since 1984 and there is no guarantee that the work accomplished under this disaster will by any means cure all of their problems.

Obviously, there are no easy answers or solutions to this problem. For various reasons, the Governor may wish to fund the entire recovery effort from the Disaster Relief Fund. I can understand this and will certainly abide by your decision. Perhaps, after you've had the opportunity to review this, you may have additional thoughts that we haven't considered. I would appreciate a call, at your convenience, to further discuss the matter.

cc: Greg Capito  
Village Safe Water, Juneau

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SUMMARY SHEET 1

TOTAL NORTHWEST ARCTIC DISASTER COSTS BY COMMUNITY

COMMUNITY	EMERGENCY OPERATIONS	ASSESSMENT	IMMEDIATE REPAIRS	INTERIM OPERATIONS	FINAL REPAIRS
KOBIK	\$ 0	\$ 1,000	\$ 4,664	\$ 0	\$
SIJINGNAK	1,000	1,000	29,042	0	
AMBLER	3,960	1,000	14,150	0	
KIANA	9,375	2,000	61,375	0	156,87
NOORVIK	6,125	2,000	19,129	0	
BUCKLAND	3,460	1,000	10,950	0	
SELAWIK	9,920	2,000	18,295	0	41,00
DEERING	3,005	300	4,900	0	
KIVALINA	1,650	1,000	750	0	
NOATAK	9,674	4,000	82,165	87,200	2,056,00
KOTZEBUE	60,854	10,000	495,800	59,992	220,41
TOTALS	\$109,023	\$ 25,300	\$741,220	\$147,192	\$2,474,30
TOTAL COST EXCLUDING FINAL REPAIRS				\$1,022,735	

↑  
K  
\*

RC. BY XEROX TELESCOPE 7020 : 3-8-89 : 6-8-89 : 0201 : 010001 : XEROX : 0201

ITY

	TOTAL DISASTER COSTS
0	\$ 5,664
0	31,042
0	19,110
77	229,627
0	27,254
0	15,410
00	71,215
0	8,205
0	3,400
00*	2,239,039
32	847,078
<hr/>	
09	\$3,497,044

requires Legislative Action  
May be "other" Action,  
than Disaster Relief Fund

# STATE OF ALASKA

STEVE COWPER, GOVERNOR

## DEPARTMENT OF LAW

OFFICE OF THE ATTORNEY GENERAL

April 25, 1989

P.O. BOX K—STATE CAPITOL  
JUNEAU, ALASKA 99811-0300  
PHONE: (907) 465-3600

ADOPTED CEI/ZA

Honorable Al Adams, Chair  
Senate Community & Regional Affairs Committee  
Alaska State Legislature  
P.O. Box V  
Juneau, Alaska 99811

Re: SB 292 (appropriations for cold-  
weather disaster) -- correction  
of typographical error  
(Our file: 773-89-0121)

Dear Senator Adams:

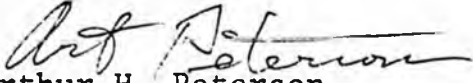
We just discovered a typographical error in this bill  
(produced in my office), which is currently in your committee.

On page 2, line 10, please change "1989" to read  
"1990." You will note that this correction makes the bill  
consistent with the governor's April 19, 1989 transmittal letter.  
(1989 Senate Journal, page 1310.)

Thank you.

Yours truly,

DOUGLAS B. BAILY  
ATTORNEY GENERAL

  
By: Arthur H. Peterson  
Assistant Attorney General

AHP:cb

cc: Robert A. Evans, Legislative Liaison  
Alison Elgee, Director, Division of Budget Review, OMB  
Office of the Governor



# Alaska State Legislature

Senator Mike Szymanski

ADOPTED C-42A

**While in Session:**

P.O. Box V  
State Capitol, Room 11  
Juneau, Alaska 99811  
(907) 465-4978/4979  
FAX (907) 465-2652

**During Interim:**  
3111 C Street, Suite 510  
Anchorage, Alaska 99503  
(907) 561-7617

165 E. Parks Highway  
Legislative Information Office  
Wasilla, Alaska 99687  
(907) 376-MIKE

## MEMORANDUM

**TO:** Senator Al Adams  
Chair  
Senate Community & Regional Affairs Committee

**FROM:** Senator Mike Szymanski

**DATE:** April 25, 1989

**SUBJECT:** Amendment to Senate Bill 292

During the winter storms in early 1989, KCHU in Valdez experienced severe damage to their transmission system and studio. The specific damage involved the antenna and ground system and a failure of the transmitter shelter's insulation and heating system. The studio/office ventilation system was jammed with snow, causing the heating element to freeze and burst the plumbing. The resulting flooding caused additional damage.

Senate Bill 292 addresses the problems incurred by communities during this storm.

I would appreciate the Committee's consideration of the attached amendment to Senate Bill 292 when it comes up in the Senate Community and Regional Affairs Committee on April 25.

The amendment is for an appropriation of \$22,960 to replace the air handling system in the studio suite, install protective louvers to prevent reoccurrence and repair or replace equipment, furniture and fixtures. It will also repair the antenna/ground system interface at the transmitter site.

Attachment

Senate District E

Mat-Su • So. Anchorage • Bird/Indian • Girdwood • Whittier • Nikiski • Cooper Landing • Hope • Seward • Cordova • Valdez

STEVE COWPER  
GOVERNOR



STATE OF ALASKA  
OFFICE OF THE GOVERNOR  
JUNEAU

April 19, 1989

The Honorable Tim Kelly  
President of the Senate  
Alaska State Legislature  
P.O. Box V  
Juneau, AK 99811

Dear Mr. President:

Under the authority of art. III, sec. 18, of the Alaska Constitution, I am transmitting a bill making special appropriations for the cost of repairs, economic relief, and additional expenses resulting from the statewide cold weather disaster in January 1989.

This appropriation, totaling \$11,157,850, was not included in the proposed capital budget because the emergency declaration of disaster occurred after that budget was introduced.

An additional appropriation to mitigate the effect of the cold weather is necessary because the total cost of damages exceeds the \$1 million per disaster limitation of the disaster relief fund. These damages also exceed the total amount available in the disaster relief fund. Moreover, it is important to make this money available to the communities as early as possible so that facilities may be repaired this summer.

This bill also appropriates \$5.5 million to the disaster relief fund specifically for the January statewide emergency declaration of disaster to allow for future, unknown damages. Unobligated and unexpended balances of this \$5.5 million appropriation will lapse into the General Fund on June 30, 1990.

Additional material pertaining to this special appropriation will be furnished to the legislature by my staff.

Sincerely,

A handwritten signature in black ink, appearing to read "Steve Cowper".

Steve Cowper  
Governor

Letter from the Governor



STATE OF ALASKA  
OFFICE OF THE GOVERNOR  
JUNEAU  
REVISED  
DECLARATION OF A DISASTER EMERGENCY

WHEREAS, during the month of January, 1989, the Northwest Arctic Borough experienced a major cold wave causing extensive severe weather related problems; and,

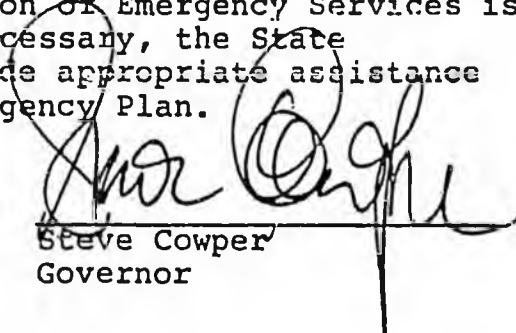
WHEREAS, as a result of this cold wave, water systems were frozen and damaged in Kotzebue, Noatak, Noorvik, Shungnak, Kiana, Selawick, and possibly other communities in the Borough, and the City of Buckland suffered a total loss of electrical generation capability; and,

WHEREAS, the Northwest Arctic Borough has declared a disaster situation which is beyond the Borough's ability to provide relief to the residents of these communities, and has requested a State Disaster Declaration in order to provide assistance.

NOW, THEREFORE, on this 17th day of February, 1989, under the authority granted by the Alaska Statutes, Section 26.23.20, I hereby declare that a condition of disaster exists in the Northwest Arctic Borough, and is of sufficient severity and magnitude to warrant a disaster declaration in order to provide assistance.

FURTHER, the Director, Alaska Division of Emergency Services, is hereby authorized to utilize funds made available for these purposes in such amounts as considered necessary for administrative and disaster management expenses. The Director of the Alaska Division of Emergency Services is further authorized to task, as necessary, the State departments and agencies to provide appropriate assistance in accordance with the State Emergency Plan.

By:

  
Steve Cowper  
Governor

DISASTER RELIEF FUND  
FY89 STATUS THROUGH 4/18/89

Additions to fund

CH 154, SLA 88 (operating budget)	6000.0
Net effect of closeouts and miscellaneous adjustments	109.9
Allocations from fund (see below)	-4134.3
Available for allocation 4/18/89	1975.6

<u>Disaster Allocations</u>	<u>DRF (GF)</u>	<u>Fed Funds Total</u>
Disasters Declared in FY89		
Eagle Village Electrical (7/88)	15.0	15.0
Shishmaref Tide Disaster (7/88)	340.0	340.0
Klawock Dump Fire (10/88)	50.0	50.0
Yukon Flats Fire (11/88)	300.0	300.0
Statewide Cold Disaster	800.0	800.0
Northwest Arctic Borough Cold Disaster	1000.0	1000.0
St. George Barge Sinking	135.0	135.0
Sand Point Water Line Freeze-up	65.0	65.0
Akhiok Power System Disaster	70.0	70.0
North Slope Borough Storm	170.0	170.0
Exxon Valdez Oil Spill	1000.0	1000.0
Galena Water & Sewer	181.3	181.3
Allocations to previously-declared disasters		
Chenega Bay additional (3/88)	8.0	8.0
 Total	 4134.3	 4134.3

Prepared by: Department of Military and Veterans Affairs  
Contact: Jeff Morrison, 465-4600  
File: DRFSTAT2

**CITY OF ALEKNAGIK**

**P.O. Box 33**

**ALEKNAGIK, ALASKA 99555**

**(907) 842-5953**

MAR 20 1989

GOVERNOR'S OFFICE

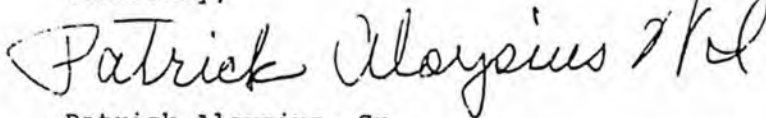
March 16, 1989

Governor Steve Cowper  
State of Alaska  
Office of the Governor  
Juneau, Alaska 99811

Dear Steve,

Enclosed is a copy of Resolution 89-2 requesting assistance for funding for Aleknagik School, which was passed and approved during the regular council meeting on March 14, 1989. We would appreciate your cooperation.

Sincerely,



Patrick Aloysius, Sr.  
Mayor

CITY OF ALEKNAGIK, ALASKA

Resolution 89-2

A RESOLUTION REQUESTING THE GOVERNOR, STATE DISTRICT REPRESENTATIVES, AND SOUTHWEST REGIONAL SCHOOL DISTRICT TO ASSIST IN ASSURING THERE WILL BE ADEQUATE FUNDING TO PROVIDE ALEKNAGIK STUDENTS A SCHOOL MEETING ALL HEALTH, SAFETY AND BUILDING CODES.

WHEREAS, the Aleknagik Gym collapsed February 8, 1989 trapping 6 students and rendering the total school inhabitable for an undetermined period of time, and

WHEREAS, this building constructed during 1982-83 has never been adequate to handle current student enrollment requiring classes to be held at times in city facilities as well as the past two years in one teacher housing unit and

WHEREAS, during the past three years settling of the piling foundation has caused concern requiring monitoring of the settling due to all piling not settling the same distance at the same time, and

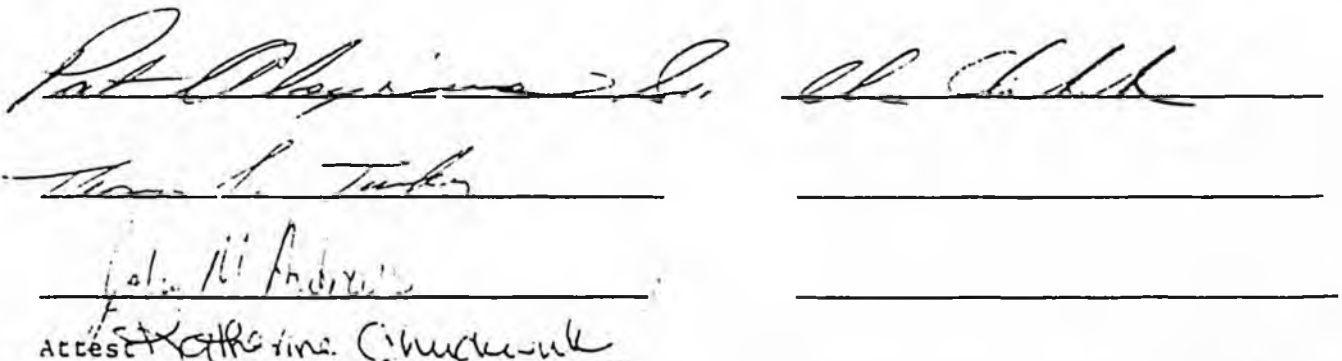
WHEREAS, the Mound Type Septic System, although still meeting code will require expensive renovation in the future, and

WHEREAS, the parents, council and children of Aleknagik have great concern over moving back into the remaining class room section and would prefer a complete new facility, now

THEREFORE BE IT RESOLVED by the City Council of the City of Aleknagik:

1. That two separate engineering firm opinions be obtained as to the safety of the classroom and piling foundation movement before the section is reopened to student use.
2. That the engineering opinions be given at a public meeting in Aleknagik where the public may participate.
3. That a study be made to establish if the school is adequate for current and 25 years future enrollment along with meeting all required codes before any additional monies are spent on reconstruction of failed section.
4. That the Department of Public Facilities and District Representatives confer with Southwest Regional School District as to adequate funding to assure our students a school which meets all codes.

PASSED AND APPROVED this 14 day of March 1989 by the City Council of the City of Aleknagik.

  
The bottom of the document features four handwritten signatures, each followed by a horizontal line. From top to bottom, the signatures are: 1. A large, cursive signature that appears to be 'Pat...'. 2. A signature that appears to be 'Thomas...'. 3. A signature that appears to be 'John...'. 4. A signature that appears to be 'Attest...'. The word 'Attest' is printed in small letters to the left of the bottom-most signature.

CITY OF KOTZEBUE

0219 : # 2

FEB 23 '89 10:44 AM - KOTZEBUE

## CITY OF KOTZEBUE

## RESOLUTION NO. 89-8

A RESOLUTION WHICH REQUESTS RELIEF FROM THE GOVERNOR TO ELIMINATE THE STATE OF EMERGENCY FOR THE WATER, SEWER AND SOLID WASTE SYSTEM IN KOTZEBUE.

- WHEREAS; the City of Kotzebue experienced a period of record extreme cold weather during January and February, 1989; and
- WHEREAS; this extreme cold weather condition severely impacted the City water, sewer, garbage and fire protection system; and
- WHEREAS; the supply of safe water and disposal of sewer and solid waste is essential to the health of the community and the prevention of disease such as Hepatitis A; and
- WHEREAS; the severe weather conditions forced City emergency vehicles to be in operation continually to insure the availability in case of emergency; and
- WHEREAS; the delivery of safe water and disposal of sewer was severely disrupted by the weather to individual homes with complete losses of water supply through broken service lines and reduction of main pressure; and
- WHEREAS; solid waste disposal was severely hampered by the failure of equipment due to the extreme weather conditions; and
- WHEREAS; unless assistance is provided to stop the continuous water loss the City will be unable to maintain or increase the water supply to safe and acceptable levels to mitigate any fire hazards; and
- WHEREAS; the City of Kotzebue has conducted a thorough review and investigation of the situation and has determined that local resources are inadequate to completely restore the safe water supply, sewage and solid waste disposal; and
- WHEREAS; the City of Kotzebue declared on February 8, 1989 that a local state of emergency exist concerning

05 '89 10:45 CITY-OF-KOTZEBUE

City of Kotzebue  
Resolution No. 89-8  
Page Two

the water supply, sewage and solid waste disposal  
and fire protection systems.

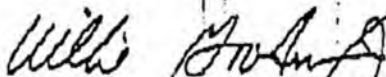
NOW THEREFORE BE IT RESOLVED THAT the City of Kotzebue hereby  
requests the Governor to declare a local disaster.

FUTHER RESOLVED that the City respectfully requests the Governor  
to take any or all actions to rectify this serious public health  
problem and relieve this state of emergency.

FUTHER RESOLVED that the City will pay all fringe benefits for  
workers as it local contribution.

PASSED AND APPROVED THIS 8TH DAY OF FEBRUARY, 1989.

CITY OF KOTZEBUE:



Willie Goodwin, Jr. Mayor

ATTEST:



Zonna Lie, City Clerk

