

COMMITTEE REPORT

HOUSE

3/18

FURTHER: FINANCE

3/16/81

(5)

Date: _____

Mr. Speaker:

The Committee on LABOR & COMMERCE has had SSHB 138

"An Act making special appropriations to the Department of Administration for telecommunications; and providing for an effective date."

under consideration and reports it back as follows:

- do pass do not pass
- do pass with attached amendments(s)
- replace with CS for _____ same title
 new title
- and recommends _____
- AND attaches a "Letter of Intent" New Fiscal Note
- reports it back without recommendation
- referred to the _____ Committee

MEMBERS SIGNING
DO PASS

Vernon Hulbert
John Fuller
Felix Gardner
George Martin

MEMBERS HAVING
OTHER RECOMMENDATIONS:

David Luddy do not pass

Vernon Hulbert
 CHAIRMAN

Requer
12-0631

Funding Information
General Fund \$8,063,850
Other Funds -0-
\$8,063,850

Introduced: 3/16/81
Referred: Labor & Commerce and
Finance

1 IN THE HOUSE BY ADAMS AND HURLBERT

2 SPONSOR SUBSTITUTE FOR HOUSE BILL NO. 138
3 IN THE LEGISLATURE OF THE STATE OF ALASKA
4 TWELFTH LEGISLATURE - FIRST SESSION
5 A BILL

6 For an Act entitled: "An Act making special appropriations to the Depart-
7 ment of Administration for telecommunications; and
8 providing for an effective date."

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

10 * Section 1. The sum of \$7,055,850 is appropriated from the general fund
11 to the Department of Administration, division of telecommunications systems
12 to be allocated as follows:

13 (1) \$3,160,000 to purchase and install equipment to extend in-
14 structional television and, if comparable commercial broadcast service is
15 not available, to also extend the satellite television demonstration project
16 to Anderson, Bettles, Birch Creek, Chignik Bay, Chauthbaluk, Clarks Point,
17 Ekuk, Eek, Elfin Cove, English Bay, Ernestine, Gakona, Girdwood, Goodnews
18 Bay, Gustavus, Hope, Hyder, Kasigluk, Kasilof, Klawock, Kokhanok, Kwethluk,
19 Levelock, Naknek, Napaskiak, Newhalen, Pitkas Point, Lower Kalskag,
20 Manokotak, Metlakatla, Moose Pass, Port Moller, Portage Creek, Quinhagak,
21 Scammon Bay, Sheldon Point, Tuluksak, Tuntutuliak, Wales and Wiseman.

22 (2) \$845,000 to purchase and install equipment to extend in-
23 structional television to Anchor Point, Big Lake, Eagle River, Homer,
24 Houston, Kenny Lake, Ninilchik, Palmer, Seldovia, Sterling, Sutton, Wasilla
25 and Willow.

26 (3) \$742,000 to purchase and install equipment to extend instruc-
27 tional television and, if comparable commercial broadcast service is not
28 available, to also extend the satellite television demonstration project to
29 Adak, Alakanuk, Chefnak, Chignik Lagoon, Chignik Lake, Central, Circle,

1 Crooked Creek, Ekwok, Galena, Hooper Bay, Igiugig, Ivanoff Bay, Kasaan,
2 Kotlik, Kwigillingok, Manley Hot Springs, Minchumina, Newtok, Nightmute,
3 Pedro Bay, Pilot Station, Point Baker, Port Alsworth, Russian Mission,
4 Stevens Village, Sparrevohn and Tununak.

5 (4) \$684,000 to purchase and install equipment to provide the
6 satellite television demonstration project for Akhiok, Akutan, Aleknagik,
7 Aniak, Arctic Village, Atka, Beaver, Buckland, Chevak, Cold Bay, Craig,
8 Deering, Dot Lake, Eagle Village, Egegik, Elim, False Pass, Golovin, Iliamna,
9 Karluk, King Salmon, Klukwan, Kobuk, Kongiganak, Koyuk, Marshall, Mentasta
10 Lake, Nelson Lagoon, New Stuyahok, Nikolski, Nondalton, Northway, Ouzinkie,
11 Pelican, Port Lions, Rampart, Red Devil, Shaktoolik, Shishmaref, Saint
12 Mary's, Saint Michael, Skagway, Stebbins, Teller, Tok and Tooksook Bay.

13 (5) \$238,000 to purchase and install equipment to provide instruc-
14 tional television for Allakaket, Atkasuk, Cantwell, Chalkyitsik, Chitina,
15 Cooper Landing, Kaltag, King Mountain, Kipnuk, Koliganek, Mekoryuk, Meshik,
16 Perryville, Pilot Point, Point Lay, Port Graham and Sleetmute.

17 (6) \$300,000 for local distribution of instructional television
18 in Anchorage, Fairbanks and Juneau.

19 (7) \$3,850 to reimburse the North Slope Borough for expenses
20 incurred in purchasing and installing mini-television in Atkasuk.

21 (8) \$36,000 to purchase and install receivers to provide the
22 television demonstration project for Angoon, Kake, Ketchikan, Petersburg,
23 Wrangell and Sitka.

24 (9) \$20,000 to relocate the Nome television transmitter to the
25 community college in order to increase the broadcast of usable reception.

26 (10) \$1,027,000 to purchase and install equipment to extend
27 instructional television and, if comparable commercial broadcast service is
28 not available, to also extend the satellite television demonstration project
29 to the following logging communities: Coffman Cove, Corner Bay, Eight

1 Fathom Bight, Freshwater Bay, Labouchere Bay, Big Naukati, Naukati Bay, Port
2 Alice, Rowan Bay, Saint John Harbor, Thorne Bay, Tuxekan Bay, and Whale
3 Pass.

4 * Sec. 2. The sum of \$1,008,000 is appropriated from the general fund to
5 the Department of Administration, division of telecommunications systems,
6 for the purchase of additional commercial television programming services
7 for urban areas, in order to prevent periodic rural television transmission
8 blackout during the fiscal year ending June 30, 1982.

9 * Sec. 3. The appropriation made by sec. 1 of this Act is for capital
10 projects and is subject to AS 37.25.020.

11 * Sec. 4. The unexpended and unobligated portion of the appropriation
12 made in sec. 2 of this Act lapses into the general fund June 30, 1982.

13 * Sec. 5. This Act takes effect July 1, 1981.
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Telecommunications Alternatives

I. Instructional Television (ITV)

Current System: Mailed video tapes plus a T.V. channel shared with the Television Demonstration Project (TVDP). (ITV gets 4 hours in the morning, each week day).

New System (Coming on line in Summer 1981): Mailed video tapes, dedicated ITV channel, plus lots of extras.

According to an analysis of the costs of tape versus television distribution (submitted to the legislature by the Office of the Governor, Office of Telecommunications in 1977) 3500 tapes per year are necessary for each hour of programming in order to serve 160 sites. This volume would put a considerable burden on the bush mail service. The analysis also showed that while the costs of television distribution drops sharply with the number of hours of programming, the cost of tape distribution diminishes only slightly. Television distribution for 160 sites became cheaper than tape distribution at two hours of programming a day. Although most of the costs have gone up since 1977, the "trends and bread-even points..." established in the report are still reasonably accurate," according to Ted McIntire, a planner at DOT/PF, telecommunications unit.

ITV is a more reliable service than mailed tape service. It allows real time and live broadcasts. Combined with the audio-conferencing network, this allows participation in classes from remote locations. ITV allows interested persons to learn at home. Such services as "local off-air taping," "on demand scheduling," and "automatic off-air recording," allows broadcasts to be taped for later showing and, thus allows educators to have input on scheduling and programming on a regional basis.

Funding under HCSSB 165 (1980) was adequate to provide ITV for 124 communities (both urban and rural). SSHB 138 would add 110 communities, bringing the total to 234. SSHB 138 would also provide an entertainment station (TVDP) to all of these communities which do not have this or a commercial station.

Following the Governor's line item vetos, HCSSB 165 appropriated \$7,500,000 for ITV, plus program production costs, audioconferencing, computer system expansion, and support services. SSHB 138 (without amendments) would add \$8,063,850 for ITV, and entertainment T.V. This brings the entire expenditure to \$15,563,850 for the two years. According to the feasibility study for ITV (produced for the Legislative Council, February 1980), a total of 285 communities fit the criteria of having at least 25 residents and a public school. Hence, to complete this system, about 50 communities would need to be added.

SUPPORT FOR INSTRUCTIONAL TELEVISION PROGRAM PRODUCTION & PROJECTS
FY 1981

GRANTS. HCSSB 165 (1980) provided \$850.0 to the Department of Education for grants to local education agencies to support instructional television activities. DOE issued Requests for Proposals in six categories and received a total of 43 proposals from 21 school districts. In December, the following 12 project grants were awarded: Balance of funds in 2nd RFP now issued, proposals due 3/6/81. Grants awarded to date are:

STUDENT VIDEO PRODUCTION:

Fairbanks North Star Borough Schools, Taylor Elementary, for productions by students in Gifted & Talented Program.

Craig City Schools, for a one semester video production course in high school.

Unalaska City Schools, to extend the "Cuttlefish" journalism class to include video production skills.

Bering Straits Schools, for a combined bilingual/TV production class for programming on Siberian Yupik culture.

TEACHER EDUCATION & INSERVICE:

Kodiak Island Borough Schools, for credit courses in film analysis and critical TV viewing skills, and non-credit teacher workshop.

EQUIPMENT PURCHASE:

Craig City Schools to install a 3-channel closed circuit cable TV system in elementary and high school.

Northwest Arctic Schools to provide ITV equipment to all district schools.

Yakutat City schools for ITV viewing and off-air recording of ITV.

CRITICAL TV VIEWING SKILLS MODEL CURRICULUM:

Anchorage School District to test critical TV viewing skills materials with 60 seventh graders, and inservice all 7th grade language arts teachers.

BICULTURAL PROGRAM PRODUCTION:

Lower Kuskokwim Schools for production of bilingual ITV programming on Yupik winter subsistence skills with 4 participating villages.

OPEN (Local Priority Projects):

Northwest Arctic Schools for purchase of broadcast rights to films, and production of programs to introduce Inupiaq heritage curriculum to district schools and residents.

Juneau School district for ITV programs on problem-solving skills related to alcohol and its abuse in Alaska, in cooperation with UA Center for Educational Rehabilitation Studies.

NORTHWEST ARCTIC SCHOOLS received additional grant award of \$150,000 for development as a pilot ITV region & completion of Kotzebue studio.

ITV COURSE PRODUCTION. Operating funds provided by the DOE and UA in HCSSB 165 have permitted the instructional design and some initial production of instructional television programs and print materials on Alaska studies topics:

Department of Education

- 1) US!, a 16-program series on Alaska for elementary students.
- 2) Four programs in a series on Alaska children in different regions of the state, to illustrate differing life styles.
- 3) Pilot program and series design in Alaska geography, elementary level.
- 4) Pilot program and series design in Alaska jobs/careers, junior high.
- 5) Design for Alaska history secondary series.
- 6) Design for Alaska economics secondary series.

University of Alaska

Instructional design and development has begun for four multi-media courses:

- 1) Basic Business Skills; 2) ANCSA; 3) Fisheries; and 4) Natural Resource Management.

PROPOSED SUPPORT FOR ITV PROGRAM PRODUCTION AND LOCAL GRANTS

FY 1982

DEPARTMENT OF EDUCATION 750.0

- 1) Grants to LEA's for equipment purchase and local or student productions..... 500.0
- 2) Secondary ITV program productions 250.0

UNIVERSITY OF ALASKA 750.0

- 1) Grants to local UA units for telecommunications equipment purchase and local/regional productions 250.0
- 2) Statewide distance-delivered curriculum development:
 - a) Local UA unit priorities 250.0
 - b) Statewide UA curriculum priorities 250.0



Unalakleet Telecommunications

Unalakleet Installation \$ 48,305
Yearly Lease 87,756

1. Unalakleet Earth Station \$136,061 line item appropriation total

2. Unalakleet Radio Station Building
 \$300,000 line item appropriation total

The Unalakleet Earth Station installation will cost \$48,305 and the yearly lease will total \$87,756.

The radio station building will cost \$300,000 and will include uplink with the satellite, building construction, and equipment.

A M E N D M E N T

Offered in the HOUSE

By Adams

TO: Sponsor Substitute for House Bill No. 138

Page 1, line 10:

Delete "\$7,055,850" and insert "\$7,501,850"

Page 1, line 13:

Delete "\$3,160,000" and insert "\$3,476,000"

Page 1, line 19:

Delete "Naknek, Napaskiak, Newhalen, Pitkas Point,"

Page 1, line 20:

After "Metlakatla," insert "Meyers Chuck,"

Page 1, line 20:

After "Port Moller," insert "Port Protection,"

Page 1, line 20:

After "Moose Pass," insert "Naknek, Napaskiak, Newhalen, Paxson,
Pitkas Point,"

Page 1, line 21:

After "Sheldon Point," insert "Talkeetna,"

Page 1, line 26:

Delete "\$742,000" and insert "\$768,500"

Page 2, line 3:

After "Point Baker," insert "Port Alexander,"

Page 2, line 14:

Delete "Atkasuk" and insert "Atkasook"

Page 2, line 20:

Delete "Atkasuk" and insert "Atkasook"

Page 2, line 26:

Delete "\$1,027,000" and insert "\$855,000"

Page 2, line 29:

Delete "Corner Bay"

Page 3, line 1:

After "Freshwater Bay," insert "Hobart Bay,"

Page 3, line 1:

Delete "Big Naukati,"

Page 3, line 2:

Delete "Tuxekan Bay,"

Page 3, following line 3:

Insert new paragraph to read:

"(11) \$275,500 to purchase and install replacement equipment for the public television distribution system in the Lower Yukon-Kuskokwim Region."

Change funding information accordingly.



Official Business

Alaska State Legislature

House of Representatives

Pouch V
State Capitol
Juneau, Alaska 99811

April 1, 1981

TO: Rep. Sam Cotton

FROM: Rep. Ernie Haugen

RE: A Committee Substitute for SSB 138 in House Finance

Listed below are proposed amendments which will provide television services to these communities. The additional cost will be \$15,000 per location.

Page 2, line 4:

After "Aleknagik," insert "Angoon"

Page 2, line 4:

After "Iliamna," insert "Kake"

Page 2, line 4:

After "Pelican," insert "Petersburg"

Page 2, line 4:

After "Tooksook Bay," insert "Wrangell"



MEMBER
FINANCE COMMITTEE
BUDGET AND
AUDIT COMMITTEE
BUSH CAUCUS

REPRESENTATIVE ALBERT P. ADAMS

Alaska House of Representatives

March 31, 1981

MEMORANDUM

HOME
P.O. BOX 271
KOTZEBUE, ALASKA
99752
(907) 442-3320

WHILE IN JUNEAU
POUCH V
JUNEAU, ALASKA
99811

(907) 465-3724
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DISTRICT 21

AMBLER
ANAKTUVUK PASS
ATQASUK
BARROW
KAKTOVIK
KIANA
KIVALINA
KOBUK
KOTZEBUE
NOATAK
NOORVIK
NUIQSUT
POINT HOPE
POINT LAY
SHUNGNAK
WAINWRIGHT

TO: Legal Services
FROM: Representative Adams *AAA*
RE: A Committee Substitute for SSHB 138 in House Finance

Please draft a Committee Substitute for SSHB 138 to include all of the following amendments and those provided by Representative Rogers.

Page 1, line 10: *\$7,501,350*
Delete "\$7,055,850" and insert a new total to include all amendments.

Page 1, line 13:
Delete "\$3,160,000" and insert "\$3,476,000" in its place.

Page 1, line 19:
Delete "Naknek, Napaskiak, Newhalen, Pitkas Point"

Page 1, line 20:
After "Metlakatle," insert "Meyers Chuck"

Page 1, line 20:
After "Port Moller," insert "Port Protection"

Page 1, line 20:
After "Moose Pass" insert ^N "Naknek, Napaskiak, Newhalen, Paxson, Pitkas Point"

Page 1, line 21:
After "Sheldon Point," insert "Talkeetna"

Page 1, line 26:
Delete "\$742,000" and insert "\$768,500"

Page 2, line 3:
After "Port Alsworth," insert "Port Alexander"

Page 2, line 26: *\$855,000*
Delete "\$1,027,000" and insert "~~\$234,000~~"

Page 2, line 29:
Delete "Corner Bay"

Page 3, line 1:
After "Eight Fathom Bight," insert "Hobart Bay"

Page 3, line 1:
Delete "Big Naukati"

Page 3, line 2:
Delete "Tuxekan Bay".

Add a new subsection to section 1 to read:
() \$275,500 to purchase and install replacement
equipment for the public television distribution
system in the Lower Yukon-Kuskokwim Region.

Section 1 Total ~~7,580,350~~
\$7,501,350

BR

New Section - The sum of 984,600 is appropriated from the general fund to the Department of Education for

(1) grants to local educational agencies for equipment purchase and local or student productions; and

(2) secondary instructional television program productions

New Section - the sum of 956,500 is appropriated from the general fund to the Department of Education for the purposes of developing instructional television course work for vocational education on renewable resources topics in Alaska, to be allocated as follows;

-456,500 for Vocational Instructional TV programs and productions for fisheries

-284,500 for vocational Instructional TV programs and productions for agriculture -

-215,500 for Vocational Instructional TV programs and productions for forest and lands management

New Section - the sum of 1,756,000 is appropriated from the general fund to the University of Alaska for

(1) grants to local University of Alaska units for equipment purchase and local or regional productions;

(2) local, regional and statewide priorities of distance delivered curriculum development; and

(3) statewide production support of instructional television

New Section - the sum of 954,000 is appropriated from the general fund to the University of Alaska for

(1) purchase and installation of a 2-way cable distribution system for instructional television on the campuses of Anchorage, Fairbanks, and Juneau; and

(2) the purchase and installation of a monitor system for instructional television in Juneau and Fairbanks;

\$4,651,100 Total

(1) New Section - The sum of 750,000 is appropriated from the general fund to the Department of Education for

(1) grants to local educational agencies for equipment purchase and local or student productions; and

(2) secondary instructional television program productions

(2) New Section - the sum of 956,500 is appropriated from the general fund to the Department of Education for the purposes of developing instructional television course work for vocational education on renewable resources topics in Alaska, to be allocated as follows;

-456,500 for Vocational Instructional TV programs and productions for fisheries

-284,500 for vocational Instructional TV programs and productions for agriculture -

-215,500 for Vocational Instructional TV programs and productions for forest and lands management

(3) New Section - the sum of 1,756,000 is appropriated from the general fund to the University of Alaska for

(1) grants to local University of Alaska units for equipment purchase and local or regional productions;

(2) local, regional and statewide priorities of distance delivered curriculum development; and

(3) statewide production support of instructional television

(4) New Section - the sum of 1,482,386 is appropriated from the general fund to the University of Alaska for

(1) purchase and installation of a 2-way cable distribution system for instructional television on the campuses of Anchorage, Fairbanks, and Juneau; and

(2) the purchase and installation of a monitor system for instructional television in Juneau and Fairbanks;

POSITION PAPER

Sponser Substitute for House Bill No. 138

"An Act making a special appropriation to the Department of Administration for telecommunications; and providing for an effective date."

SSHB No. 138 provides \$7,055,850 to the Department of Administration to extend the instructional television system and the satellite demonstration project to several communities throughout the state.

The Department of Health and Social Services believes that instructional television is necessary to provide more educational opportunities to children and adults throughout Alaska. The Department anticipates using this system to provide training and educational programs on health and social service related issues.

Since instructional television in remote areas will utilize small earth satellite stations to receive signals, the Department notes that a report, issued by Alascom, Inc. in January 1980, shows that small earth satellite stations averaged approximately 80% reliability in 1979. The reliability ranged from 12% in Akhiok to 100% in Cape Pole and Nikolski. A total of 28 villages averaged less than 75% reliability. As many villages rely upon satellite earth stations for emergency communications, the Department believes that 99% reliability of communications should be achieved. Therefore, the Department of Health and Social Services supports the concept of this bill, but suggests that the reliability of rural and bush communications also should be addressed.

Recommended by: David Bruce
David Bruce, Deputy Director
Division of Public Health

Date: 3-26-28

Approved by: Helen D. Beirne
Helen D. Beirne
Commissioner

Date: 3/26/81

THE LEGISLATURE OF THE STATE OF ALASKA
TWELFTH LEGISLATURE

FISCAL NOTE

I. REQUEST

Bill/Resolution No. SSHB No. 138

Title "An Act making a special appropriation to the Dept. of Admin. for telecommunications"

Requested by Commissioner's Office Date 3/20/81

II. FISCAL DETAIL

Agency Affected Department of Health and Social Services

Program Category Affected Health/Public Health

BRU, Program, or Subprogram(s) Affected _____

(Note: If more than one budget component is affected, separate line-item amounts and funding for each component in the analysis section.)

EXPENDITURES (Thousands of Dollars)

	FY 81	FY 82	FY 83	FY 84	FY 85	FY 86
100 PERSONAL SERVICES	0	0	0	0	0	0
200 TRAVEL	0	0	0	0	0	0
300 CONTRACTUAL	0	0	0	0	0	0
400 COMMODITIES	0	0	0	0	0	0
500 EQUIPMENT	0	0	0	0	0	0
600 LAND & STRUCTURES	0	0	0	0	0	0
700 GRANTS, CLAIMS, ETC.	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0

FUNDING (Thousands of Dollars)

GENERAL FUND	0	0	0	0	0	0
FEDERAL FUNDS	0	0	0	0	0	0
OTHER (Specify Fund Source)	0	0	0	0	0	0

POSITIONS

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

III. ANALYSIS (See Fiscal Note Preparation Instructions, Section III)

IV. DATE 3/20/81

PREPARED BY Mark Johnson

AGENCY Dept. of Health and Social Services

PHONE 465-3027

Original: Legislative Finance

cc: Budget and Management

Prime Sponsor (First Legislator Named): M&B Approval [Signature] Date 8/24/81

HOUSE JOURNAL

HOUSE FINANCE COMMITTEE

LETTER OF INTENT FOR SSHB 138

It is the intention of the Twelfth Alaskan Legislature to provide instructional television (ITV) and an entertainment station (television satellite demonstration project-TVDP) to every Alaskan community with at least 25 permanent residents that wants this service. We expect these services to be provided in the most cost effective manner possible.

We know that technology in the field of telecommunications is continually improving at a rapid rate, and in many cases, this results in a reduction in prices. It is therefore our intention that in the process of implementing SSHB 138 various engineering designs be explored to find the site-specific design which will save the state the most money over the life cycle of the receiving and retransmitting system involved, while at the same time provide good service. It may be possible to save money and provide good service to some communities without installing an earth station there, but by using cable or line of site transmission (e.g. translator or microwave) from an earth station in a nearby community. For example, Platinum may receive service from Goodnews Bay; Nunapitchak and Atmautluak may receive service from Kasigluk; Akiak and Akiachak may receive service from Kwethluk; Oscarville and Napakiak may receive service from Napaskiak; Nikoloeusk may receive service from Anchor Point; Stebbins may receive service from Saint Michael; Lime Village may receive service from Sparrevohn; Port Heiden may receive service from Meshik; Upper Kalskag may receive service from Lower Kalskag; White Mountain may receive service from Golovin; Big Naukati and Channel Log may receive service from Naukati.

This legislature believes that the free enterprise system, which involves competition between interested parties, tends to result in the lowest prices for goods and services. We therefore favor the use of open bidding to procure equipment and installation services mandated by SSHB 138 where this procedure is to the best advantage of the state. We are aware of a successful bidding method which has been used by the Department of Transportation and Public Facilities, Division of Communications, whereby equipment procurement was put out to bid in a lot order to take advantage of quantity pricing, and installation bid requests were put out on a site by site basis. We consider this a good method in that it allows numerous small companies to bid on installation contracts, and therefore, it is likely to result in making available low cost bid options to the state.

It is also the intent of this legislature that only state licensed electrical contractors be allowed to bid on state installation contracts. We expect this to result in high quality workmanship, and hence, result in savings to the state in the long run due to reduced maintenance costs.

The intent of this legislature in providing receivers for TVDP programming in ~~the~~ southeastern communities (subsection 8), is to take TVDP programming off the microwave circuit, thereby freeing it for KTOO-Public Broadcasting System programming.

Rep. Sam Cotten, Chairman
House Finance Committee

BACKGROUND FOR SSHB 138

Section 1.

- 1). Allocate \$79,000 per community (40) for a Television Receive Only (TVRO) earth station and two VHF mini TV transmitters (ITV and TVDP)
- 2). Allocate \$65,000 per community (13) for a TVRO and one VHF mini TV (ITV only) (No TVDP is requested because these communities are in the grade B transmission of commercial stations.)
- 3) Allocate \$26,500 per community (28) for two VHF mini TV (ITV and TVDP) (These communities are served by Small Earth Station with telephone facilities. This facility would lease two receivers, maintenance, and operations for \$13,728 per site and would be reflected in the FY 83 budget)
- 4) Allocate \$16,000 per community (20) for one VHF mini TV (TVDP) and \$14,000 per community (26) for one VHF mini TV (TVDP) at leased facilities. (These sites were funded by Ch. 174, 1980 SIA for ITV and this would add TVDP) (Leased facilities would require receiver and M and O of \$6,864 per site and reflected in the FY 83 budget)
- 5) Allocate \$14,000 per community (17) for one VHF mini TV (ITV) at leased facilities. (These sites are funded for TVDP and would add ITV) (Same as par. 4 for leased facilities)
- 6) No comment
- 7) No comment
- 8) Allocate \$6,000 per community (6) for a receiver (TVDP) at ITV sites funded by Ch 174, 1980 SIA for ITV. This will relieve TVDP from the S. E. Alaska microwave circuit, leaving it available for Public Broadcasting (KTOO-TV) distribution.
- 9) No comment
- 10) Allocates \$79,000 per community (4) for a TVDP, and two VHF mini TV (ITV and TVDP) (These sites are logging communities with ten to fifteen years left at their present locations, and they all have state supported schools. These TVDP packages can be dismantled and moved with the logging communities.)

Section 2

No comment

BACKGROUND - INSTRUCTIONAL TELEVISION

Since 1977, instructional television programming has been broadcast in Alaska, on the state-leased transponder on Satcom F2. Under funds provided in Chapter No 174, SLA 1980 (originating as HCSSB 165 during the Eleventh Alaska State Legislature, Second Session 1980), the State of Alaska has placed an order for service for 24-hour lease of an additional television channel on the Satcom F2 satellite. This satellite transponder to be available August 1, 1981 is intended to provide a full program channel of educational and instructional programming for statewide reception, in conjunction with a capital construction project for installation of mini-TV transmitters in numerous Alaska communities statewide. It is intended that this broadcast channel be exclusively non-commercial in nature, utilizing programming relevant to Alaska issues, interests and educational needs. Broadcasts are intended on a 7-day per week, 52-week per year basis, up to 18 hours per day.

Operating and capital costs for this planned ITV service are currently contained in the FY'82 budget requests of the Alaska Department of Transportation and Public Facilities (DOT/PF), with additional support from the University of Alaska Instructional Telecommunications Consortium (UAITC) and the Alaska Department of Education Instructional Television Office (DOE/ITV). The DOE/ITV will provide prime sponsorship of K-12 instructional programming with the UAITC prime sponsor for adult and higher education courses. These prime sponsoring agencies will also cooperatively develop and sponsor professional and continuing education courses, including practicing certified and para-professionals as a prime target audience. Development and sponsorship of instructional programming for other specialized audiences on both a statewide and regional basis will be strongly encouraged and supported.

Special emphasis is also to be given to developing system capacity for regional uplink, or broadcasts, of programming of special regional/local interest, for either regional/local productions or other productions sponsored by local education agencies for any general or specialized target audience or grade level.

An audio conferencing service is also under development. Limited operations will begin in late spring, 1981. Expanded statewide service will be available for the fall 1981 semester. Operations are being designed to permit audio-only applications, or use of the audio conferencing capacity in conjunction with live instructional TV courses or for teleconferencing. Integrated system services currently being studied include additional support through facsimile or telecopying, as well as appropriate computer services.

The ITV program channel and audio conferencing system are to be identified jointly as the LEARN/Alaska Instructional Telecommunications Network.

Funding Information

General Fund \$8,063,850
Other Funds -0-
\$8,063,850

Introduced: 3/16/81
Referred: Labor & Commerce and
Finance

1 IN THE HOUSE BY ADAMS AND HURLBERT

2 SPONSOR SUBSTITUTE FOR HOUSE BILL NO. 138

3 IN THE LEGISLATURE OF THE STATE OF ALASKA

4 TWELFTH LEGISLATURE - FIRST SESSION

5 A BILL

6 For an Act entitled: "An Act making special appropriations to the Depart-
7 ment of Administration for telecommunications; and
8 providing for an effective date."

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

10 * Section 1. The sum of \$7,055,850 is appropriated from the general fund
11 to the Department of Administration, division of telecommunications systems
12 to be allocated as follows:

13 (1) \$3,160,000 to purchase and install equipment to extend in-
14 structional television and, if comparable commercial broadcast service is
15 not available, to also extend the satellite television demonstration project
16 to Anderson, Bettles, Birch Creek, Chignik Bay, Chauthbaluk, Clarks Point,
17 Ekuk, Eek, Elfin Cove, English Bay, Ernestine, Gakona, Girdwood, Goodnews
18 Bay, Gustavus, Hope, Hyder, Kasigluk, Kasilof, Klawock, Kokhanok, Kwethluk,
19 Levelock, Naknek, Napaskiak, Newhalen, Pitkas Point, Lower Kalskag,
20 Manokotak, Metlakatla, Moose Pass, Port Moller, Portage Creek, Quinhagak,
21 Scammon Bay, Sheldon Point, Tuluksak, Tuntutuliak, Wales and Wiseman.

22 (2) \$845,000 to purchase and install equipment to extend in-
23 structional television to Anchor Point, Big Lake, Eagle River, Homer,
24 Houston, Kenny Lake, Ninilchik, Palmer, Seldovia, Sterling, Sutton, Wasilla
25 and Willow.

26 (3) \$742,000 to purchase and install equipment to extend instruc-
27 tional television and, if comparable commercial broadcast service is not
28 available, to also extend the satellite television demonstration project to
29 Adak, Alakanuk, Chefornek, Chignik Lagoon, Chignik Lake, Central, Circle,

1 Crooked Creek, Ekwook, Galena, Hooper Bay, Igiugig, Ivanoff Bay, Kasaan,
2 Kotlik, Kwigillingok, Manley Hot Springs, Minchumina, Newtok, Nightmute,
3 Pedro Bay, Pilot Station, Point Baker, Port Alsworth, Russian Mission,
4 Stevens Village, Sparrevohn and Tununak.

5 (4) \$684,000 to purchase and install equipment to provide the
6 satellite television demonstration project for Akhiok, Akutan, Aleknagik,
7 Aniak, Arctic Village, Atka, Beaver, Buckland, Chevak, Cold Bay, Craig,
8 Deering, Dot Lake, Eagle Village, Egegik, Elim, False Pass, Golovin, Iliamna,
9 Karluk, King Salmon, Klukwan, Kobuk, Kongiganak, Koyuk, Marshall, Mentasta
10 Lake, Nelson Lagoon, New Stuyahok, Nikolski, Nondalton, Northway, Ouzinkie,
11 Pelican, Port Lions, Rampart, Red Devil, Shaktoolik, Shishmaref, Saint
12 Mary's, Saint Michael, Skagway, Stebbins, Teller, Tok and Tooksook Bay.

13 (5) \$238,000 to purchase and install equipment to provide instruc-
14 tional television for Allakaket, Atkasuk, Cantwell, Chalkyitsik, Chitina,
15 Cooper Landing, Kaltag, King Mountain, Kipnuk, Koliganek, Mekoryuk, Meshik,
16 Perryville, Pilot Point, Point Lay, Port Graham and Sleetmute.

17 (6) \$300,000 for local distribution of instructional television
18 in Anchorage, Fairbanks and Juneau.

19 (7) \$3,850 to reimburse the North Slope Borough for expenses
20 incurred in purchasing and installing mini-television in Atkasuk.

21 (8) \$36,000 to purchase and install receivers to provide the
22 television demonstration project for Angoon, Kake, Ketchikan, Petersburg,
23 Wrangell and Sitka.

24 (9) \$20,000 to relocate the Nome television transmitter to the
25 community college in order to increase the broadcast of usable reception.

26 (10) \$1,027,000 to purchase and install equipment to extend
27 instructional television and, if comparable commercial broadcast service is
28 not available, to also extend the satellite television demonstration project
29 to the following logging communities: Coffman Cove, Corner Bay, Eight

1 Fathom Bight, Freshwater Bay, Labouchere Bay, Big Naukati, Naukati Bay, Port
2 Alice, Rowan Bay, Saint John Harbor, Thorne Bay, Tuxekan Bay, and Whale
3 Pass.

4 * Sec. 2. The sum of \$1,008,000 is appropriated from the general fund to
5 the Department of Administration, division of telecommunications systems,
6 for the purchase of additional commercial television programming services
7 for urban areas, in order to prevent periodic rural television transmission
8 blackout during the fiscal year ending June 30, 1982.

9 * Sec. 3. The appropriation made by sec. 1 of this Act is for capital
10 projects and is subject to AS 37.25.020.

11 * Sec. 4. The unexpended and unobligated portion of the appropriation
12 made in sec. 2 of this Act lapses into the general fund June 30, 1982.

13 * Sec. 5. This Act takes effect July 1, 1981.
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THE LEGISLATURE OF THE STATE OF ALASKA
ELEVENTH LEGISLATURE

FISCAL NOTE

I. REQUEST

Bill/Resolution No. SSHB 138
 Title Act making special appropriations to Dept. of Admin. for telecommunications
 Requested by _____ Date _____

II. FISCAL DETAIL

Agency Affected Department of Administration
 Program Category Affected General Government
 BRU, Program, or Subprogram(s) Affected Telecommunications Systems
 (Note: If more than one budget component is affected, separate line-item amounts and funding for each component in the analysis section.)

EXPENDITURES (Thousands of Dollars)

	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85
100 PERSONAL SERVICES			125.6			
200 TRAVEL			29.4			
300 CONTRACTUAL			13.5			
400 COMMODITIES			52.5			
500 EQUIPMENT			63.0			
600 LAND & STRUCTURES						
700 GRANTS, CLAIMS, ETC.						
TOTAL			284.0			

284.0 -- on going operating costs

FUNDING (Thousands of Dollars)

GENERAL FUND			284.0			
FEDERAL FUNDS						
OTHER (Specify Fund Source)						

POSITIONS

FULL TIME			3			
PART TIME						
TEMPORARY						

III. ANALYSIS (See Fiscal Note Preparation Instructions, Section III)

Includes funding for 3 electronic technicians to handle increased maintenance responsibilities as a result of new instructional television equipment added to sites included in SSHB 138.

IV. DATE _____ PREPARED BY *Robert A. Adams*
 AGENCY House of Representatives, ED 21
 PHONE 465-3724, 465-3877
 Original: Legislative Finance
 cc: Budget and Management
 Prime Sponsor (First Legislator Named)