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170

POSITION PAPER

SENATE BILL NO. 170

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

SB No. 170 provides \$5,123,000 to the Department of Administration for purchase of small earth stations; purchase of mini-transmitters to provide instructional television; purchase of mini-transmitters to extend the television demonstration project; incidental upgrading of existing earth stations, other facilities related to the mini-transmitters; and lease costs for a satellite television transponder.

~~The Department of Health and Social Services recognizes the need for this bill as it relates to the Instructional Television Network. The Department 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.~~

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

Date: April 28, 1981

Approved by: Helen D. Beime
Helen Beime, Commissioner

Date: 4/29/81

THE LEGISLATURE OF THE STATE OF ALASKA
TWELFTH LEGISLATURE

FISCAL NOTE

I. REQUEST

Bill/Resolution No. SENATE BILL #170
 Title "An Act making special appropriations..related to telecommunications."
 Requested by Commissioner's Office Date _____

II. FISCAL DETAIL

Agency Affected DEPARTMENT OF HEALTH AND SOCIAL SERVICES
 Program Category Affected Health/Division of Public Health
 BRU, Program, or Subprogram(s) Affected Emergency Medical Services
 (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 April 27, 1981 PREPARED BY Mark Johnson
 AGENCY Emergency Medical Services
 PHONE 465-3027
 Original: Legislative Finance
 cc: Budget and Management
 Prime Sponsor (Last Legislator Named) M&B Approval [Signature] Date 4/28/81

THE LEGISLATURE OF THE STATE OF ALASKA
TWELTH LEGISLATURE

FISCAL NOTE

I. REQUEST

Bill/Resolution No. S.B. 170
 Title An Act Making Special Appropriations to DOA for Telecommunications
 Requested by Senator Fischer Date 4/20/81

II. FISCAL DETAIL

Agency Affected Administration
 Program Category Affected General Government
 BRU, Program, or Subprogram(s) Affected Telecom Systems and Administrative Services
 (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		168.9	185.8	204.4	224.8	247.3
200 TRAVEL		30.9	34.0	37.4	41.1	45.2
300 CONTRACTUAL		30.6	33.7	37.0	40.7	44.8
400 COMMODITIES		53.5	58.9	64.7	71.2	78.3
500 EQUIPMENT		64.8				
600 LAND & STRUCTURES						
700 GRANTS, CLAIMS, ETC.						
TOTAL		348.7	312.4	343.5	377.8	415.6

FUNDING (Thousands of Dollars)

	FY 81	FY 82	FY 83	FY 84	FY 85	FY 86
GENERAL FUND		348.7	312.4	343.5	377.8	415.6
FEDERAL FUNDS						
OTHER (Spec v Fund Source)						

POSITIONS

	FY 81	FY 82	FY 83	FY 84	FY 85	FY 86
FULL TIME		4.0	4.0	4.0	4.0	4.0
PART TIME						
TEMPORARY						

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

A total of four positions will be required as a result of S.B. 170. Three Electronic Technicians are required to service and maintain the additional equipment (based on one technician for 75-100 additional pieces); and one Supply Officer to work in the area of ordering, paying for, and maintaining records on the equipment included in this bill. First year (FY 82) costs include one-time maintenance and office equipment purchases. Costs beyond FY 82 are calculated at a 10% inflation factor.

IV. DATE 4/23/81 PREPARED BY Judy Crondahl
 AGENCY Administration
 PHONE 465-2277

Original: Legislative Finance
 cc: Budget and Management
 Prime Sponsor (First Legislator Named) Senator Ferguson
Keith Specking

1	POSITION TITLE Supply Officer IV				RANGE/STEP 19A	BARG. UNIT. G	LOCATION Juneau	GOV.	APPROV.	DISAPP.
2	TYPE OF POSITION PFT	STAFF MONTHS 12	RP No.	PCN No.	PRIORITY		FORM 12 PAGE/LINE	LEG.		
3	TYPE OF EXPENDITURE			AMOUNT		JUSTIFICATION: Passage of this bill will greatly increase the responsibility of the Supply function in the Department of Administration. This position is required to handle the initial purchase and payment of the equipment for which funds are to be appropriated, in addition to maintaining the day to day records for property control purposes. Specifically, it will prepare requisitions, recommend bid specifications, obtain bid proposals, let contracts, supervise inventory and maintain records pertaining to location, use and condition of equipment.				
	1	2	3							
4	PERSONAL SERVICES:									
	SALARY	2837/mo	34,044							
5	BENEFITS	15.79%	5,376							
6	FICA		2,004							
7	HEALTH INS.		1,800							
8	TOTAL PERSONAL SERVICES	01		43.2						
9	TRAVEL	02		1.5						
10	CONTRACTUAL	03		9.0						
11	COMMODITIES	04		1.0						
12	EQUIPMENT	05		1.8						
13	OTHER									
14	TOTAL COST			56.5						
	CODE	FUNDING SOURCE								
15		FED RCPTS. 1002								
16		GF MATCH. 1003								
17	100	GEN. FUND 1004		56.5						
18		I-A RCPTS. 1005								
19		PGM RCPTS 1028								
20		OTHER								
21	CONTINUATION									
22	ADDITION	FOR B&M USE ONLY								
AA KEY NUMBER		COLUMN NO.								

AGENCY Administration PROGRAM Centralized Admin. Services

BRU Administrative Services

COMPONENT Fiscal/Personnel

Page _____ of _____

REVISED DATE _____

13 REQUEST FOR NEW POSITION.

FY 82

1	POSITION TITLE Electronic Technician (3 PFT positions)			RANGE/STEP WG II	BARG. UNIT. LTC	LOCATION Anchorage	GOV	APPROV.	DISAPP.
2	TYPE OF POSITION PFT	STAFF MONTHS 12 ea.	RP No.	PCN No.	PRIORITY	FORM 12 PAGE/LINE	LEG		
3	TYPE OF EXPENDITURE			AMOUNT		JUSTIFICATION: There will be a considerable amount of equipment added to the Division's responsibilities as a result of this bill. The Division estimates that 75 to 100 pieces of equipment can be serviced by one technician; therefore three positions will be required. These positions will require an FCC first or second class license and will have to be familiar with equipment and technology used in the communications field and will require considerable travel. Equipment costs include 14.0 for a service monitor and 7.0 for an oscilloscope for each position in FY 82 only. The cost for 3 positions is as follows: Personal Services 125.7 Travel 29.4 Contractual 21.6 Commodities 52.5 Equipment 63.0 Total 292.2			
	1	2	3						
4	PERSONAL SERVICES:								
	SALARY		31,871						
5	BENEFITS		6,119						
6	FICA		1,838						
7	HEALTH INS.		2,040						
8	TOTAL PERSONAL SERVICES		01	41.9					
9	TRAVEL		02	9.8					
10	CONTRACTUAL		03	7.2					
11	COMMODITIES		04	17.5					
12	EQUIPMENT		05	21.0					
13	OTHER								
14	TOTAL COST			97.4					
	CODE	FUNDING SOURCE							
15		FED RCPTS. 1002							
16		GF MATCH. 1003							
17	100	GEN. FUND 1004		97.4					
18		I-A RCPTS. 1005							
19		PGM RCPTS 1028							
20		OTHER							
21	CONTINUATION		FOR B&M USE ONLY						
22	ADDITION								
4A KEY NUMBER		COLUMN NO.							

AGENCY Administration PROGRAM Telecommunications

BRU Support to State Agencies

COMPONENT Telecommunications Systems

13 REQUEST FOR NEW
POSITIONS

FY 82



Alaska State Legislature

Senate

Official Business

Pouch V
State Capitol
Juneau, Alaska 99811

TO: Senator Fischer, Chairman
Senate State Affairs Committee

FROM: Senator Ferguson *JF*

DATE: April 24, 1981

SUBJECT: Proposed CS for SB 170
Telecommunications

I have attached a proposed Committee Substitute for SB 170 for your consideration.

My original bill was an attempt to provide funds for those telecommunications projects which were vetoed by the Governor last year. After further research, I discovered that many of the projects I was proposing funding for were duplicates of present services.

This proposed committee substitute has a slightly different intent, which I feel approaches the State's telecommunications needs in a logical forthright fashion. The intent of this bill is to provide instructional television (ITV) and to extend the television satellite demonstration project (TVDP) to every Alaskan community with at least 25 permanent residents, who want this service. The exception to this are those communities which presently receive commercial service. Under this bill, these communities would only be provided with ITV, in order to avoid State competition with private enterprise.

Following is a sectional analysis of the proposed CS:

Section 1

(1) This subsection would provide television receive only (TVRO) earth station, plus two mini-transmitters at \$79,000 per community.

(2) This subsection would provide TVRO and one mini-transmitter at \$65,000 per community. No television demonstration project is requested because these communities are in the Grade B transmission areas of commercial stations.

(3) This subsection would provide TVDP and two mini-transmitters at \$26,500 per community. These communities already have an earth station.

(4) This subsection would provide one mini-transmitter to enable these communities to get TVDP. All these communities have, or are funded for, ITV. The total of 46 communities includes 26 Alascom owned earth station sites, \$14,000 each (does not include Alascom's \$572 monthly lease/maintenance fee), and 20 state owned earth station sites, at \$16,000 each (includes receiver).

(5) This subsection would provide one additional mini-transmitter to provide ITV at a cost of \$14,000 per community (does not include Alascom's \$572 monthly lease/maintenance fee). These communities have earth stations and currently receive TVDP programming.

(6) This appropriation would provide funds for distribution of ITV in the urban centers of Anchorage, Fairbanks and Juneau which presently receive no state funds for this purpose.

(7) This appropriation would provide funds for reimbursement to the North Slope Borough for expenses incurred for equipment and installation costs of mini-television in Atkasuk. Break-down is: 1 each M/R modified satellite receiver at \$2,286, 1 each broadcast antenna and necessary attachments at \$340, 8 hours install technician time at \$200, 8 hours rigger time at \$200, 2 each RT transportation for \$280.

(8) This appropriation would provide 6 receivers at \$6,000 each. This will take TVDP off the microwave circuit, leaving it open for KTOO programming. The receivers will be installed at TVRP each stations funded for ITV under last years SB 165.

(9) This appropriation would provide funds to relocate the Nome Mini-TV antenna from its present location at the Alascom building to a new location at the community college. Presently, the local residents experience extreme difficulty in receiving a distinguishable signal. The appropriation would provide service as it was originally intended to at least 90% of the local user population vs. the existing 10% - 15% direct service viewers.

(10) This appropriation would provide funds for telecommunications equipment in several Southeastern logging communities. These communities all have state supported schools and are stable communities with 20 to 30 year life spans. It would

be my intent in including these communities in this bill that these communities (most probably the logging company in charge of the operation) be responsible for moving the telecommunications equipment to their new location when they relocate.

(11) This appropriation would provide funds to replace 2 out-dated TV translators (which need continuous maintenance and frequently break down) in the Upper Susitna Valley. This appropriation would also provide ITV for Talkeetna and Trappers Creek and will serve a minimum of 200 people.

(12) This appropriation would provide funds for a TV transmitter antenna and building at Tolsona Hill, which would serve over 90 people. Break-down: building to house equipment (current one is a deteriorating shack with wind bombardment) for \$6,000, transmitter for \$8,000, tower for \$5,000, gravel pad for building and road upgrade for service maintenance access for \$5,000 and freight/wiring for \$1,000.

(13) This appropriation would provide funds for a WGN tie-in for King Mountain TV. This will serve over 30 year-round residents with a heavier population of 100 in the summer.

(14) This appropriation would provide funds for an uplink and radio station in Unalakleet, which would serve over 600 people. This would vastly improve communications for Unalakleet.

(15) This appropriation would provide funds to the University of Alaska in Anchorage, Fairbanks and Juneau, for a 2-way cable distribution system for ITV. The LEARN/Alaska Instructional Telecommunications Networks would be substantially strengthened for on and off-campus use.

(16) This appropriation would provide funds for a down-link from Dillingham to Sand Point. This would replace the request for a separate public radio station at Sand Point. Residents of Sand Point strongly support the concept of satellite radio.

(17) This appropriation would provide funds for critically needed emergency medical service communications equipment for KOTZ. Break-down: equipment for KOTZ for \$10,500, tape recorder cabinet for \$400, turntables (4) for \$800, audio console boards (2) for \$18,000, bearcab scanner for \$300, utility tower for \$1,000, cart machine for \$2,700, tape machines (5) for \$13,500, program timers (3) for \$830, technic decks (3) for \$2,100, recorder couples for \$600 and transmitter refit equipment for \$3,300.

Section 2. This section would provide purchase of additional commercial television programming services for urban areas, to prevent periodic rural television transmission blackouts.

Section 3. This section would provide a toll-free number to all legislators while the legislature is in session.

Section 4. This section would provide funds for the production of programming in all academic subject areas. This would be revolutionary in the improvement of the educational quality in Northwest Arctic School District. One of the obstacles to improving education in small village school has been limited teaching staff. A fully developed ITV program would immeasurably supplement the existing curriculum. In addition, this section would provide funds for production of programs on Inupiaq art, language and heritage. Preservation of the Inupiaq skills is at a critical time and the funds will enable the Northwest Arctic School District to document and perpetuate their skills and values through the Inupiaq Heritage Program.

Original sponsors: Ferguson, Sackett,
Hohman and Mulcahy

<u>Funding Information</u>	
General Fund	\$14,637,280
Other Funds	-0-
	<u>\$14,637,280</u>

1 IN THE SENATE BY THE STATE AFFAIRS COMMITTEE

2 CS FOR SENATE BILL NO. 170 (State Affairs)

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 \$10,379,280 is appropriated from the general
11 fund to the Department of Administration, division of telecommunications
12 systems, to be allocated as follows:

13 (1) \$3,476,000 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, Big Lake Louise, Birch Creek, Brevig Mission, Chignik
17 Bay, Chauthbaluk, Clarks Point, Ekuuk, Eek, Elfin Cove, English Bay,
18 Ernestine, Gakona, Girdwood, Goodnews Bay, Gustavus, Hope, Hyder, Kasigluk,
19 Kasilof, Klawock, Kokhanok, Kwethluk, Levelock, Naknek, Napaskiak, Newhalen,
20 Pitkas Point, Lower Kalskag, Manokotak, Metlakatla, Meyers Chuck, Moose
21 Pass, Port Moller, Portage Creek, Quinhagak, Scammon Bay, Sheldon Point,
22 Tuluksak, Tuntutuliak, Wales, White Mountain, and Wiseman.

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

27 (3) \$742,000 to purchase and install equipment to extend instruc-
28 tional television and, if comparable commercial broadcast service is not
29 available, to also extend the satellite television demonstration project to

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

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

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

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

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

22 (8) \$64,000 to purchase and install receivers and mini-TV trans-
23 mitters to provide the television demonstration project via satellite for
24 Angoon, Kake, Petersburg, and Wrangell. 4 or 6

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

27 (10) \$948,000 to purchase and install equipment to extend in-
28 structional television and, if comparable commercial broadcast service is
29 not available, to also extend the satellite television demonstration project

1 to the following logging communities: Coffman Cove, Corner Bay, Eight
 2 Fathom Bight, Freshwater Bay, Labouchere Bay, Big Naukati, Naukati Bay, Port
 3 Alice, Rowan Bay, Saint John Harbor, Thorne Bay, Tuxekan Bay, and Whale
 4 Pass.

5 (11) \$30,000 to replace the existing inoperable television trans-
 6 lator in the Upper Susitna Valley to improve service and provide instruc-
 7 tional television for Talkeetna and Trappers Creek.

8 (12) \$25,000 for a television transmitter antenna and building at
 9 Tolsona Hill.

10 (13) \$10,000 to provide King Mountain with a tie-in to WGN. ?

11 (14) \$462,00 for an uplink and radio station in Unalakleet.

12 (15) \$1,558,400 to the University of Alaska for

13 (A) the purchase and installation of a two-way cable distri-
 14 bution system for instructional television on the campuses of Anchorage,
 15 Fairbanks, and Juneau; and

16 (B) the purchase and installation of a monitor system for
 17 instructional television in Juneau and Fairbanks.

18 (16) \$30,000 for a downlink for Dillingham to Sand Point.

19 (17) \$54,030 for emergency medical service communications equip-
 20 ment for KOTZ.

21 (18) \$14,000 for the television demonstration project for Ketchikan
 22 and Sitka.

23 + (19) \$325,000 for broadcast audio and video routing capability for
 24 all committee rooms in the State Capitol. ~~XXXXXXXXXX~~

25 + (20) \$550,000 for dual ^{Microwave} ~~transponder~~ transmission capability from
 26 the State Capitol statewide.

27 * Sec. 2. The sum of \$1,008,000 is appropriated from the general fund to
 28 the Department of Administration, division of telecommunications systems,
 29 for the purchase of additional commercial television programming services

1 for urban areas, in order to prevent periodic rural television transmission
2 blackouts during the fiscal year ending June 30, 1982.

3 * Sec. 3. The sum of \$2,500,000 is appropriated from the general fund to
4 the Department of Administration, division of telecommunications systems,
5 for a toll-free telephone number to all state agencies.

6 * Sec. 4. The sum of \$750,000 is appropriated from the general fund to
7 the Department of Administration, division of telecommunications systems,
8 for instructional television programming for the Northwest Arctic Regional
9 Educational Attendance Area.

10 * Sec. 5. The appropriations made by secs. 1 and 3 of this Act are for
11 capital projects and are subject to AS 37.25.020.

12 * Sec. 6. The unexpended and unobligated portions of the appropriations
13 made in secs. 2, 4 and 5 of this Act lapse into the general fund June 30,
14 1982.

15 * Sec. 7. This Act takes effect July 1, 1981.

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SB 170

Appropriations
(special)
telecommuni-
various

HOUSE BILL NO. 138, by Reps. Adams and Hurlbert. Appropriates a total of \$5,123,000 from the general fund to the Department of Administration, Div. of Telecommunications Systems for various expenses related to telecommunications, as follows:

- purchase of small earth stations - \$1,340,000
- purchase of mini-transmitters to provide instructional television - \$1,187,500
- purchase of mini-transmitters to extend the television demonstration project - \$1,137,500
- incidental upgrading of existing earth stations & other facilities related to the mini-transmitters purchased - \$450,000
- lease costs for a satellite television transponder - \$1,008,000

States that the appropriations are for capital projects and are subject to AS 37.25.020 (they do not lapse). Provides Act effective July 1, 1981.

Introduced February 11 and referred to Labor & Commerce then to Finance.

WICHE
Program
(fields of
study)

HOUSE BILL NO. 139, by the Rules Committee by request of the Governor. Amends AS 14.40.685 which relates to the provision, by the state, of adequate services and facilities in certain fields of study under the Western Interstate Commission on Higher Education exchange program. Deletes dental hygiene, and adds maritime technology. See Governor's letter below for further explanation. (HB 110, p. 181 amends the same section.) Provides Act effective immediately.

Introduced February 11 and referred to Health, Education and Social Services.

In his message transmitting the bill to the House for consideration, Governor Hammond stated:

Under the authority of art. III, sec. 18, of the Alaska Constitution, I am transmitting a bill which would amend AS 14.40.685 to delete dental hygiene as a WICHE exchange field, and to add maritime technology as a WICHE exchange field for Alaska.

At their December 1980 meeting, the states who are members of the Western Interstate Commission on Higher Education (WICHE) removed dental hygiene as an exchange field. Therefore, this bill would remove the reference to dental hygiene from AS 14.40.685.

WICHE has added maritime technology to its Student Exchange Program, and the member states must decide whether to sponsor students in this field. The California Maritime Academy is the only institution in the 13 western states that will be offering this program. The Alaska Commission on Postsecondary Education and the Alaska WICHE commissioners endorse the addition of this field of study in the WICHE program.

Since graduates of the maritime technology program would be employed in the merchant marine and tanker industry, they would be able to put their knowledge to valuable use in the state. I urge the enactment of this legislation.

Longevity
Bonus
(increasing)

HOUSE BILL NO. 140, by Reps. Duncan, Adams, Buchholdt, Chuckwuk, Clocksin, Cotten, Fuller, Gardiner, Grussendorf, Halford, Hayes,