ALASKA LEGISLATURE COMMITTEE FILES 1981-1982 8672

1361 HHESS HB 334

1361

RAMPART

DESCRIPTION OF NEED:

Water Supply. Currently residents of the village haul water from the Yukon river or haul ice from creeks adjacent to the village. In the summer, rain water collection is often used.

Three (3) wells have been drilled by PHS ranging in depths from 52 feet to 225 feet in the village area. All these wells were drilled either into permafrost or bedrock and abandoned. PHS has determined that further drilling will have little likelihood of finding water and the closet point where a well can possibly be drilled will be in the Minook river basin which is over one mile from the village.

DESCRIPTION OF PROJECT:

A watering point/washeteria is requested for the village of Rampart. Two possibilities exist for the construction of this project. A well drilled in the Minook River Basin with a transmission line and holding tank located in the village next to the washeteria. Under this system, the water will be pumped from the well and sent via insulated transmission line to the holding tank in town. The tank will need to be filled a least four (4) times per year with the transmission line being drained between filling periods to prevent freeze up.

An alternate method would be a fill and draw system with a portable pump located on the river bank and the transmission line again to large storage tanks located in the village adjacent to the washeteria. Again, the large tank will be filled 4 to 5 times a year with the transmission line drained between fill operations to prevent freezing. The transmission line could perhaps be dismantled after the fill operation and stored away to prevent possible damage or vandalism. In both cases the water would be filtered and chloridated.

BUDGET:

PHS estimates the costs of the above project at approximately 700,000.

CHALKYITSIK

PROJECT: Water Facilities

DESCRIPTION OF NEED

Chalkyitsik has had a persistent problem with water supply in the village. Currently the villagers draw their water either from the Black River or the slough up behind the school. Recent water surveys have revealed the contamination problem in the school water supply which is drawn from the slough. High counts of non specific bacteria were obtained as recently as the third week of February 1981. TCC Sanitarians feel the cause of the problem is due to contamination of the slough by village privys and by the school sewage lagoon.

DESCRIPTION OF PROJECT

Current plans call for a water line to be built from the Black River through town up to the school which has holding tanks and is located on the hill above the town. The proposed line would also include a simple watering point located in the town. The school system would be a fill and draw system, therefore, there will be no necessity to maintain a heated loop in between the town watering point and the school storage tanks. The watering point will be constructed in a building of adequate size to include a washeriteria should this later be deemed economically feasible for the town.

BUDGET

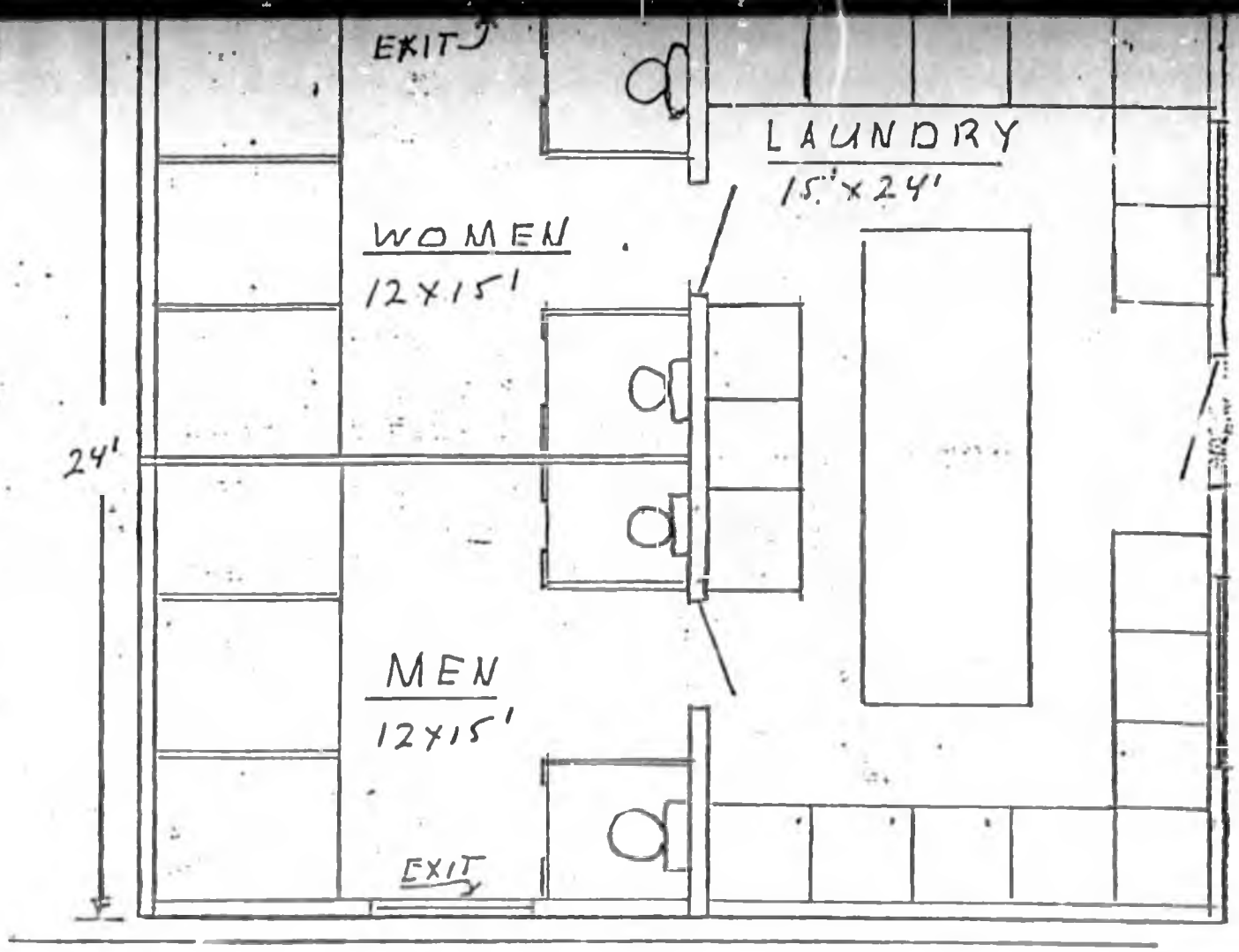
Estimated costs for this project based on costs of similar projects are estimated by PHS to be appoximately 750,000.

5. City Laundry & Shower Facilities
$73,200

In terms of public utilities the city of Ruby Alaska is relatively primitive. Electricity and telephone services are the only utility services provided. Water and sewer services do not exist. Residents haul water from a community well, and "outhouses" are utilized for human waste disposal. As a result of this reality bathing and laundry is usually accomplished with a great deal of effort, and less frequent by then what might be considered acceptable in order to maintain a reasonable level of personal hygiene, and good health habits.

The proposed laundry facility which is sketched on the following page, could be located adjacent to the city well and utilize the present water supply. A septic system could be utilized to handle waste, and a pit and leach system could be used for gray water. With relatively small expense each citizen of Ruby would have easy access to adequate facilities for bathing and laundry.

Two benefits are immediately obvious: 1) improved health and hygiene which is extremely important especially amoung the youth. 2) improved life style and relief from the burdensom task of carrying large quantities of water. A third, and net insignificant benefit, is the economy, one permanent job will be created, and the economic base of the city expanded.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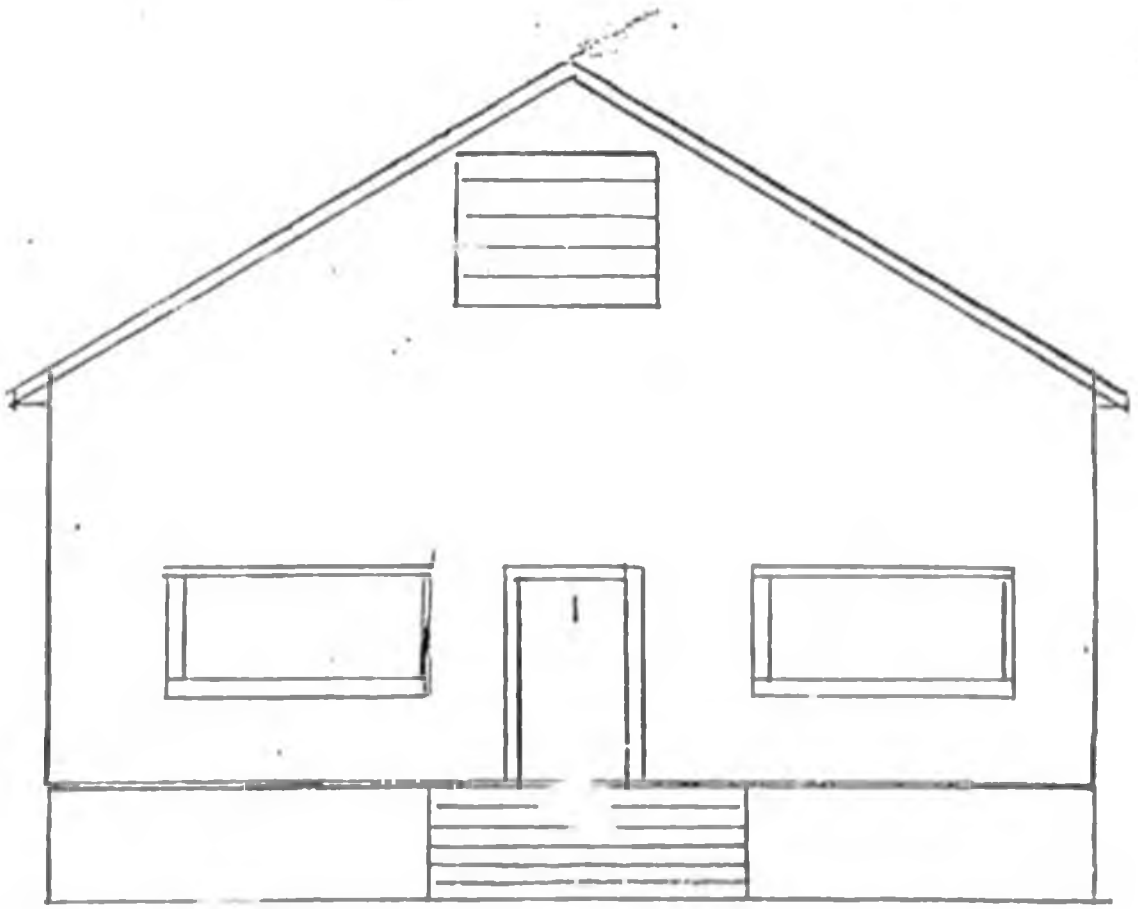
LAUNDRY
15' x 24'
WOMEN
12 x 15'
24'
MEN
12 x 15'
EXIT



TANACROSS

2) Dump Relocation

32,000

STATEMENT OF NEED:

Currently, the solid waste disposal is provided in a pit which is located adjacent to the cemetery. Because of its location a serious wind contamination problem exists with trash being spread across the village site, especially in the summer when snow cover does not provide means of reducing this problem. In addition, there is a significant winter access problem as the road to the dump is poor and not kept open. The village has also determined that it is unacceptable for the solid waste disposal site to be located adjacent to the cemetery.

DESCRIPTION OF PROJECT:

The current dump site will be backfilled and the area will be restored by general cleanup and landscaping activities. A new dump site has been selected by the village. Development of this site will require clearing, fencing, and construction of the pit. In addition, a 1500' access road will have to be constructed to the dump.

BUDGET:

Access road		8,000
Site cleaning		4,500
Pit construction		4,000
Fence		8,000
Restoration		8,000
	Subtotal	32,000
	Contingency	5,000
		32,000

TANACROSS

3) Rehabilitation of waste disposal system for Tanacross

STATEMENT OF NEED:

Existing sanitation facilities in Tanacross were provided through the combined efforts of IHS, the village of Tanacross, the Bureau of Indian Affairs, and the Alaska State Housing Authority, over a five-year period in between 1972 and 1977. The facilities provided included a well, pumphouse and washeteria, water distribution system, sewer system, and community septic tank systems. The water distribution system, pumphouse and washeteria have been well-maintained and have functioned adequately since its construction. However, consistent problems have occurred with the septic tank drain field system due to sludge buildup and poor drainage. These problems resulted in raw sewage seepage to the surface. These problems were corrected in 1978 in two of the tanks by the PHS by pumping sludge from tanks and constructing new drain fields. However, the remaining three tanks are now causing problems with sewage seepage surfacing in the drainage area due to clogged-up drain fields.

PROJECT: Rehabilitation of septic tank system through construction of new drain fields

There are currently five septic tanks in drain fields. The first serves seven housing units, the second serves nine units, the third serves four units, the fourth serves five units and the fifth serves four units. In 1978 emergency repair projects reconstructed a drain field from two of the tanks. Construction from the drain fields is necessary on the remaining three tanks. The village of Tanacross will utilize local labor to perform the necessary construction activities.

BUDGET:

Gravel	$ 4,500
4" Perforated PVC Pipe	8,500
Labor	8,000
Equipment Rental	14,000
Miscellaneous Material and Insulation	5,000
Total	40,000
15% Contingency Fund	6,000
Total Project	$46,000

TAKOTNA

PROJECT: Dump

STATEMENT OF NEED

Solid waste disposal in Takotna currently consist of a dumping area approximately two miles from the village along side of the road to the Air Force Base. This area is not fenced or maintained on a regular basis. The addition to being unsightly this practice poses a serious accident hazard and vector contol problem.

DESCRIPTION OF PROJECT

A fenced open pit dump will be developed at a site off of the road. Assistance in locating an adequate site will be provided by Tanana Chiefs Conference sanitarian. Adequate equipment for construction and maintenance is currently in the village.

BUDGET:

Access road 1200'	4,000
Site Preparation	4,000
Pit Construction	4,000
Fencing	8,000
Freight	1,800
Subtotal	21,800
Contengency	3,000
Total	25,800

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Project Title	Location(s)	Election Districts Served	Start Date	Completion Date
Hooper Bay Laundry Facility	(2) Hooper Bay	(3) 18	(4) FY 82	(5)

(6) AGENCY REQUEST			(7) Operational Cost & No. Personnel Increase - (Decrease)		First Operating Year ____	Ultimate Annual Year ____	GOVERNOR'S REQUEST Approved	Deferred	Disapproved			
02	Federal Receipts		Funding Source	Federal Receipts			1002	Federal Receipts				
03	G/F Match			General Fund			1003	G/F Match				
04	General Fund	150,000					1004	General Fund				
05	I/A Receipts						1005	I/A Receipts				
	G.O. Bonds		Total Annual Operational Cost					G.O. Bonds				
			Position (FTE)									
			Previous Year-Priority	Agency Priority		Governor's Priority						
	Total	150,000						Total				

PROJECT DESCRIPTION (8)

The City of Hooper Bay is requesting funding for a laundramat facility. The facility would include washers, dryers, sauna and restroom. There are currently 2 water wells and the facility would be built next to one of the wells.

* REQUESTING MUNICIPAL GRANT

LEGISLATIVE MEMBER'S SIGNATURE:

CATEGORY (9) NRMEC

AGENCY Dept. of Comm. & Reg. Affairs

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5 LEGISLATIVE REQUEST
PROPOSED CAPITAL PROJECT

Project Title	Location(s)	Election Districts Served	Start Date	Completion Date
Pilot Station ~~Laundromat/Washeteria/Water Bldg.~~	(2) Pilot Station	(3) 18	(4) FY 82	(5)

(6) AGENCY REQUEST			(7) Operational Cost & No. Personnel Increase -- (Decrease)		First Operating Year ____	Ultimate Annual Year ____	GOVERNOR'S REQUEST Approved	Deferred	Disapproved
1002	Federal Receipts		Funding Source	Federal Receipts			1002	Federal Receipts	
1003	G/F Match			General Fund			1003	G/F Match	
1004	General Fund	150,000					1004	General Fund	
1005	I/A Receipts						1005	I/A Receipts	
	G.O. Bonds		Total Annual Operational Cost					G.O. Bonds	
			Position (FTE)						
			Previous Year-Priority	Agency Priority		Governor's Priority			
	Total	150,000						Total	

PROJECT DESCRIPTION (8)

The City of Pilot Station is requesting funding for a laundromat, washeteria and water building. P.H.S. has indicated to the city that if funding can be obtained that they will provide the city with technical and engineering assistance. Also funding for a generator was obtained last year and is being built this summer. The generator will have excess electrical output and will reduce operating costs for the washeteria substantially. This project will provide Pilot Station with a safe, sanitary place to shower, wash clothes and pack water from..

* REQUESTING MUNICIPAL GRANT

LEGISLATIVE MEMBER'S SIGNATURE:

CATEGORY (9) NRMEC

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5 LEGISLATIVE REQUEST
PROPOSED CAPITAL
PROJECT

(1) Project Title	(2) Location(s)	Election Districts Served (3)	Start Date (4)	Completion Date (5)
Shageluk Hot Water Tank	Shageluk	18	FY 82	

(6) AGENCY REQUEST			(7) Operational Cost & No. Personnel Increase -- (Decrease)		First Operating Year ____	Ultimate Annual Year ____	GOVERNOR'S REQUEST Approved	Deferred	Disapproved
1002	Federal Receipts		Funding Source	Federal Receipts			1002	Federal Receipts	
1003	G/F Match			General Fund			1003	G/F Match	
1004	General Fund	15,000					1004	General Fund	
1005	I/A Receipts						1005	I/A Receipts	
	G.O. Bonds		Total Annual Operational Cost					G.O. Bonds	
			Position (FTE)						
			Previous Year-Priority	Agency Priority		Governor's Priority			
	Total	15,000						Total	

PROJECT DESCRIPTION (8)

The City Council of Shageluk is requesting funding to replace the existing hot water tank in their laundromat facility with a larger tank. The present tank isn't sufficient for operation of both laundromat and showers simultaneously.

* REQUESTING MUNICIPAL GRANT

LEGISLATIVE MEMBER'S SIGNATURE:

CATEGORY (9) NRMEC

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35 LEGISLATIVE REQUEST
PROPOSED CAPITAL
PROJECT

Project Title (1)	Location (s) (2)	Election Districts Served (3)	Start Date (4)	Completion Date (5)
Sheldon Point Laundry Facility	Sheldon Point	18	FY 82	

(6) AGENCY REQUEST			(7) Operational Cost & No. Personnel Increase – (Decrease)		First Operating Year ____	Ultimate Annual Year ____	GOVERNOR'S REQUEST Approved	Deferred	Disapproved
1002	Federal Receipts		Funding Source	Federal Receipts			1002	Federal Receipts	
1003	G/F Match			General Fund			1003	G/F Match	
1004	General Fund	150,000					1004	General Fund	
1005	I/A Receipts						1005	I/A Receipts	
	G.O. Bonds		Total Annual Operational Cost					G.O. Bonds	
			Position (FTE)						
			Previous Year-Priority	Agency Priority		Governor's Priority			
	Total	150,000						Total	

PROJECT DESCRIPTION (8)

The Sheldon Point City Council is requesting funding for a laundry facility. The nearest facility available for use is 15 miles away. A facility including 2 washers and 2 dryers would be adequate for the village needs.

* MUNICIPAL GRANT REQUESTED

LEGISLATIVE MEMBER'S SIGNATURE:

CATEGORY (9) NRMEC

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5 LEGISLATIVE REQUEST
PROPOSED CAPITAL
PROJECT

(1) Project Title	(2) Location(s)	(3) Election Districts Served	(4) Start Date	(5) Completion Date
Pilot Station Water & Sewer	Pilot Station	18	FY 82	

(6) AGENCY REQUEST			(7) Operational Cost & No. Personnel Increase -- (Decrease)		First Operating Year ____	Ultimate Annual Year ____	GOVERNOR'S REQUEST Approved	Deferred	Disapproved
1002	Federal Receipts		Funding Source	Federal Receipts			1002	Federal Receipts	
1003	G/F Match			General Fund			1003	G/F Match	
1004	General Fund	896,000					1004	General Fund	
1005	I/A Receipts						1005	I/A Receipts	
	G.O. Bonds		Total Annual Operational Cost					G.O. Bonds	
			Position (FTE)						
			Previous Year Priority	Agency Priority	Governor's Priority				
	Total	896,000						Total	

PROJECT DESCRIPTION (8)

The City of Pilot Station requests funding for water and sewer systems to be extended to their HUD houses being constructed this summer. Recent action by the Reagan Administration has froze supplemental funds anticipated for the cost of water and sewer extensions to the new housing sites.

Attached is the cost estimate.

LEGISLATIVE MEMBER'S SIGNATURE:

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35 LEGISLATIVE REQUEST PROPOSED CAPITAL

Final Cost Estimate
for
AVCP Housing Authority On-site Work
at
Pilot Station, Alaska

EAST SUBDIVISION:

	Sewer		Water	
	Main:	Service:	Main:	Service:
Actual	1,929 feet	2,125 feet	3,280 feet	2,380 feet
Estimated	3,000 feet	2,550 feet	4,000 feet	2,550 feet
	9 manholes		4 hydrants	

WEST SUBDIVISION:

	Sewer		Water	
	Main:	Service:	Main:	Service:
Actual	546 feet	975 feet	740 feet	585 feet
Estimated	1,067 feet	668 feet	720 feet	515 feet
	4 manholes		3 hydrants	

TOTAL COSTS:

2,475 feet sewer main @ $60/ft.	$148,500
3,100 feet sewer service @ $60/ft.	186,000
13 manholes @ $1,500/each	19,500
4,020 feet water main @ $60/ft.	241,200
2 965 feet water service @ $60/ft.	177,900
7 hydrants @ $800/each	5,600
Subtotal	$778,700
+15% Contingencies	116,805
Total	$895,305
Rounded to nearest thousand	$896,000

Cost per home = $17,57

Project Title (1)	Location (2)	Election Districts Served (3)	Start Date (4)	Completion Date (5)
Analysis of St. Mary's Water and Sewer System	St. Mary's	18	FY 82	

(6) AGENCY REQUEST			(7) Operational Cost & No. Personnel Increase – (Decrease)		First Operating Year ____	Ultimate Annual Year ____	GOVERNOR'S REQUEST Approved	Deferred	Disapproved
1002	Federal Receipts		Funding Source	Federal Receipts			1002	Federal Receipts	
1003	G/F Match			General Fund			1003	G/F Match	
1004	General Fund						1004	General Fund	
1005	I/A Receipts						1005	I/A Receipts	
	G.O. Bonds		Total Annual Operational Cost					G.O. Bonds	
			Position (FTE)						
			Previous Year-Priority	Agency Priority		Governor's Priority			
	Total							Total	

PROJECT DESCRIPTION (8)

St. Mary's is reqesting funding for a comprehensive engineering analysis of the system provided to them by PHS to determine the feasibility of upgrade, possible expansion and future reliability. The City is having problems generating enough money to pay for the operation of their system. The analysis would give them ideas on a more cost efficient way of operating their system. Primarily the study will be aimed at analyzing other locations for a water source. PHS located their present reservoir in a precarious place. City growth is pressuring the land surrounding the watershed, but the growth cannot occur because it would endanger the water.

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CATEGORY (9) NRMEC

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5 LEGISLATIVE REQUEST
PROPOSED CAPITAL
PROJECT

(1) Project Title	(2) Location(s)	(3) Election Districts Served	(4) Start Date	(5) Completion Date
Saint Mary's Landfill	Saint Mary's	18	FY 82	

(6) AGENCY REQUEST			(7) Operational Cost & No. Personnel Increase - (Decrease)		First Operating Year ____	Ultimate Annual Year ____	GOVERNOR'S REQUEST Approved	Deferred	Disapproved
1002	Federal Receipts		Funding Source	Federal Receipts			1002	Federal Receipts	
1003	G/F Match			General Fund			1003	G/F Match	
1004	General Fund	159,000					1004	General Fund	
1005	I/A Receipts						1005	I/A Receipts	
	G.O. Bonds		Total Annual Operational Cost					G.O. Bonds	
			Position (FTE)						
			Previous Year-Priority	Agency Priority	Governor's Priority				
	Total	159,000						Total	

PROJECT DESCRIPTION (8)

The City of Saint Mary's is requesting funding to be matced with DEC solid waste grant money. The City received $75,000 last year for sanitary landfill development but the funding was not sufficent to complete the project. The only viable choice for the landfill at present is to develop their area now used as an open dump. This area is next to the docking facility and once filled will be an addition to that facility. Additional funding requesting is to construct the diking required.

* REQUESTING MUNICIPAL GRANT

LEGISLATIVE MEMBER'S SIGNATURE:

CATEGORY (9) NRMEC

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35 LEGISLATIVE REQUEST
PROPOSED CAPITAL
PROJECT

Project Title	Location (s) (2)	Election Districts Served (3)	Start Date (4)	Completion Date (5)
Saint Mary's	Saint Mary's	18	FY 82	

(6) AGENCY REQUEST			(7) Operational Cost & No. Personnel Increase - (Decrease)		First Operating Year	Ultimate Annual Year	GOVERNOR'S REQUEST Approved	Deferred	Disapproved
1002	Federal Receipts		Funding Source	Federal Receipts			1002	Federal Receipts	
1003	G/F Match			General Fund			1003	G/F Match	
1004	General Fund	7,000					1004	General Fund	
1005	I/A Receipts						1005	I/A Receipts	
	G.O. Bonds		Total Annual Operational Cost					G.O. Bonds	
			Position (FTE)						
			Previous Year-Priority	Agency Priority	Governor's Priority				
	Total	7,000						Total	

PROJECT DESCRIPTION (8)

The City of Saint Mary's is requesting funding to convert their water pumphouse to a central watering point. This conversion would not result in shutting down the present system, rather it would enable the pumphouse to serve as a central watering point in the event the system is lost some winter. This would assure continued availability of safe drinking water.

* REQUESTING MUNICIPAL GRANT

LEGISLATIVE MEMBER'S SIGNATURE:

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5 LEGISLATIVE REQUEST
PROPOSED CAPITAL

Project Title (1)	Location (2)	Election Districts Served (3)	Start Date (4)	Completion Date (5)
Nikolai Landfill	Nikolai	18	FY 82	

(6) AGENCY REQUEST			(7) Operational Cost & No. Personnel Increase – (Decrease)		First Operating Year ____	Ultimate Annual Year ____	GOVERNOR'S REQUEST Approved	Deferred	Disapproved
1002	Federal Receipts		Funding Source	Federal Receipts			1002	Federal Receipts	
1003	G/F Match			General Fund			1003	G/F Match	
1004	General Fund	20,000					1004	General Fund	
1005	I/A Receipts						1005	I/A Receipts	
	G.O. Bonds		Total Annual Operational Cost					G.O. Bonds	
			Position (FTE)						
			Previous Year Priority	Agency Priority		Governor's Priority			
	Total	20,000						Total	

PROJECT DESCRIPTION (8)

The City of Nikolai is requesting funding to relocate their city dump. The existing location is too close to the airport which creates a problem because of the birds in the area.

* REQUESTING MUNICIPAL GRANT

LEGISLATIVE MEMBER'S SIGNATURE:

CATEGORY (9) NAMEC

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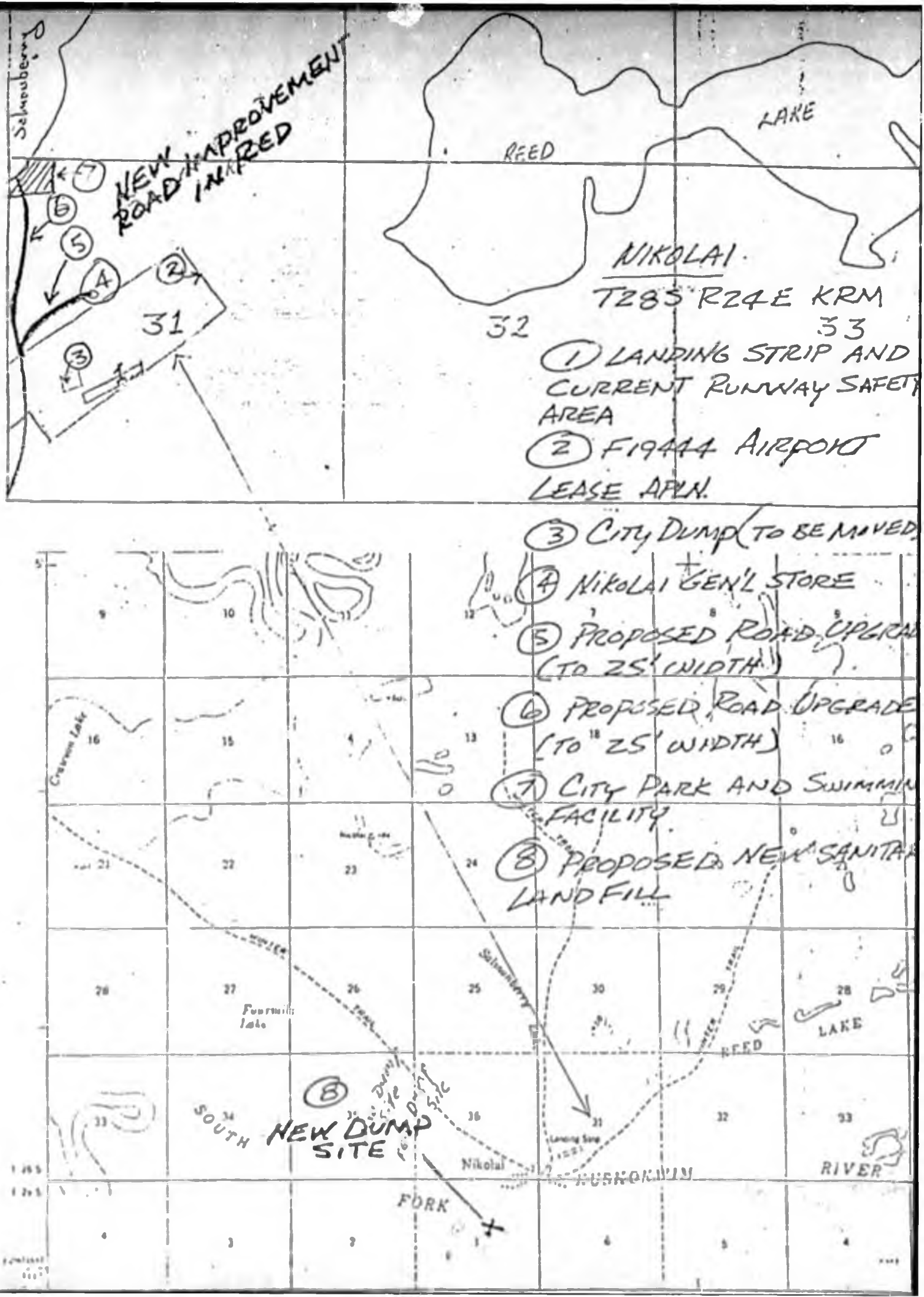
NEW IMPROVEMENT ROAD IN RED
NIKOLAI
T28S R24E KRM
31
32
33
REED
LAKE
(1) LANDING STRIP AND CURRENT RUNWAY SAFETY AREA
(2) F19444 AIRPORT LEASE APLN.
(3) CITY DUMP (TO BE MOVED)
(4) NIKOLAI GEN'L STORE
(5) PROPOSED ROAD UPGRADE (TO 25' WIDTH)
(6) PROPOSED ROAD UPGRADE (TO 25' WIDTH)
(7) CITY PARK AND SWIMMING FACILITY
(8) PROPOSED NEW SANITARY LAND FILL
(8) NEW DUMP SITE
SOUTH
Nikolai
KUSKOKWIM
RIVER
FORK
Fourmile Lake
Crown Lake
LAKE
REED

Project Title (1)	Location (s) (2)	Election Districts Served (3)	Start Date (4)	Completion Date (5)
Shageluk Landfill	Shageluk	18	FY 82	

(6) AGENCY REQUEST			(7) Operational Cost & No. Personnel Increase - (Decrease)		First Operating Year ____	Ultimate Annual Year ____	GOVERNOR'S REQUEST Approved	Deferred	Disapproved
1002	Federal Receipts		Funding Source	Federal Receipts			1002	Federal Receipts	
1003	G/F Match			General Fund			1003	G/F Match	
1004	General Fund	22,000					1004	General Fund	
1005	I/A Receipts						1005	I/A Receipts	
	G.O. Bonds		Total Annual Operational Cost					G.O. Bonds	
			Position (FTE)						
			Previous Year-Priority	Agency Priority	Governor's Priority				
	Total	22,000						Total	

PROJECT DESCRIPTION (8)

Shageluk City Council has requested funding to construct a city dump.

* REQUESTING MUNICIPAL GRANT

LEGISLATIVE MEMBER'S SIGNATURE:

CATEGORY (9) NRMEC

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LEGISLATIVE REQUEST
PROPOSED CAPITAL
PROJECT

Project Title (1)	Location (s) (2)	Election Districts Served (3)	Start Date (4)	Completion Date (5)
Holy Cross Landfill Relocation	Holy Cross	18	FY 82	

(6) AGENCY REQUEST			(7) Operational Cost & No. Personnel Increase - (Decrease)		First Operating Year ____	Ultimate Annual Year ____	GOVERNOR'S REQUEST Approved	Deferred	Disapproved
002	Federal Receipts		Funding Source	Federal Receipts			1002	Federal Receipts	
003	G/F Match			General Fund			1003	G/F Match	
004	General Fund	50,000					1004	General Fund	
005	I/A Receipts						1005	I/A Receipts	
	G.O. Bonds		Total Annual Operational Cost					G.O. Bonds	
			Position (FTE)						
			Previous Year-Priority	Agency Priority	Governor's Priority				
	Total	50,000						Total	

PROJECT DESCRIPTION (8)

The City of Holy Cross is requesting funding to relocate their city dump. The present dump location has contaminated Eig Lake which before contaminated, was used by residents for recreational purposes. Restoration of the lake is planned after the city dump is relocated.

* REQUESTING MUNICIPAL GRANT

LEGISLATIVE MEMBER'S SIGNATURE:

CATEGORY (9) NRMEC

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35 LEGISLATIVE REQUEST PROPOSED CAPITAL PROJECT

Project Title (1)	Location(s) (2)	Election Districts Served (3)	Start Date (4)	Completion Date (5)
Koyukuk Landfill	Koyukuk	18	FY 82	

(6) AGENCY REQUEST			(7) Operational Cost & No. Personnel Increase - (Decrease)		First Operating Year	Ultimate Annual Year	GOVERNOR'S REQUEST Approved	Deferred	Disapproved
1002	Federal Receipts		Funding Source	Federal Receipts			1002	Federal Receipts	
1003	G/F Match			General Fund			1003	G/F Match	
1004	General Fund	22,000					1004	General Fund	
1005	I/A Receipts						1005	I/A Receipts	
	G.O. Bonds		Total Annual Operational Cost					G.O. Bonds	
			Position (FTE)						
			Previous Year Priority	Agency Priority		Governor's Priority			
	Total	22,000						Total	

PROJECT DESCRIPTION (8)

Koyukuk is requesting funding for construction of a landfill. Presently, no area is designated for a waste disposal site. Koyukuk village residents respect their natural environment and would like this funding so that they might have a central location for the refuse.

* REQUESTING MUNICIPAL GRANT

LEGISLATIVE MEMBER'S SIGNATURE:

CATEGORY (9) NRMEC

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35 LEGISLATIVE REQUEST PROPOSED CAPITAL PROJECT

CITY OF ANDERSON

P.O. Box 4011 • Anderson, Alaska 99704
Phone (907) 832-5566

December 19, 1980

Senator John C. Sackett
Alaska State Senate
Pouch V
Juneau, Alaska 99811

Re; Legislative Priorities of the City of Anderson

Dear Senator Sackett,

I would like to take this opportunity to introduce myself. My name is Martha Randle and I am the new City Administrator for the City of Anderson. I took over the duties of City Administrator September 1, 1980 replacing the very capable previous Administrator, Mr. Don Bee. I look forward to working with you in the future. I am taking the liberty of answering your November 7th letter myself because I feel that the nature of my job qualifies me to give you the answers you are looking for.

On December 10th, 1980 the Anderson City Council held a special work session to determine what our legislative priorities are for the 1981 State Legislature. Our main priority this year under the heading of Capital Improvements is that we improve our community fire protection. We feel that this is the most important service that the City provides for the community and it is desperately in need of help. Anderson currently has the worst possible fire insurance rating, and we are working to improve this. We have one pumper truck, one tanker truck and two full time CETA firefighters. We are also training a volunteer fire department. Our funds are woefully inadequate and our fire department is grossly in need of support equipment. Our Volunteer Fire Chief, Mr. Robert Kimball compiled a list of needed support equipment for our fire department which included such basic equipment as an extension ladder, portable power saw, fire hoses and nozzels, smoke ejector, hand held lights, first aid kit, and forcible entry tools. These items are all rather basic but are items which are needed to outfit our fire department up to acceptable standards. Also, due to the fact that we possibly stand to lose our two full time CETA firefighters this March due to the fact that CETA is reluctant to fund these positions further we will be relying on the volunteer firefighters. At the present time the only way we have for alerting the firefighters is by a

(Continued)

siren which is not very effective. We have investigated portable pager systems(phone answering machine, base station, encoder, antenna six pagers) which would offer the needed system of alerting the firefighters. The City Council has decided to ask for an amount of $20,000.00 from the Legislature to adequately equip our fire department and to provide for a 24 hour alert system for firefighters.

The next priority item under this heading is a piece of heavy duty equipment which could be used for dump maintenance as well as flood control project dike maintenance. We are progressing rapidly with our flood control project and expect to begin actual construction of the dike around the beginning of March 1981. Once this project is complete we will need some sort of equipment for maintenance of the structure. The City Council feels that a piece of equipment such as a wheeled front end loader could be used for this purpose as well as for maintenance of our dump. At the present time we are contracting out the maintenance work of the dump and if we had the proper equipment we could perform the work ourselves and save alot of money. The amount of money that the Council has decided to ask for a wheeled front end loader to accomplish this work is $75,000.00.

Street drainage and the poor condition of the roads in general is a problem that Anderson faces. Our dirt road needs at least another 6 inches of fill on top, and a comprehensive drainage system with ditches and culverts is sorely needed. Right now we barely have enough money to keep an old grader running, and certainly not enough money to pay for the improvements needed. Therefore, the third item under the heading of Capital Improvements would be a road improvement project, and the Council wants to request the amount of $50,000.00 for this project.

Another Capital Improvement project that the Council decided was important to the City of Anderson was a feasibility study for a comprehensive sewage system for the City. The idea was expressed that the present clean water system should be preserved for the future and that the installation of a sewage system would be one step toward this goal. The Council decided to request an appropriation in the amount of $30,000.00 to cover the cost of a feasibility study for a sewage system for the City of Anderson.

Under the heading of Operating Budget expenses the Council decided to request a 25% increase in the local goverments' revenue sharing allotment. It is the feeling of the Council that the increase in inflation justifies this increase in the amount of State Revenue Sharing money.

(Continued)

These above mentioned items have been discussed in their order of priority. This seems like a rather long list of needs to send to you, Senator Sackett. But, I can assure you that everything mentioned on these pages has been discussed by the Council, and is supported by members of the community. You have helped us in the past, and I am hopeful for the future.

Sincerely yours,

Martha A. Randle

Martha A. Randle
Administrator
City of Anderson

MR:mr

City of Galena

Anvmki Hall
P.O. Box 149
Galena, Alaska 99741
Telephone (907) 656-1281

December 29, 1980

Senator John C. Sackett
Pouch V
Juneau, Alaska 99811

Dear Senator Sackett:

On behalf of Mayor Vernon White and members of the Galena City Council I am pleased to submit our up-to-date list of Capital Improvement Priorities.

Your assistance in the past has been vital to the development of several projects during the year including dust control, water and sewer line improvements to the school, additional street lights, a clinic addition, and initiation of a waste heat recovery program.

For 1981 I have enclosed a list in order of overall priority as established by the City Council. If after reviewing the list you or your staff have any questions I would be more than pleased to provide the information needed.

Happy New Year and best wishes for a constructive legislative session.

Sincerely,

THE CITY OF GALENA

James R. Filip
City Manager

Enc: 1

City of Galena

Antoski Hall
P.O. Box 149
Galena, Alaska 99741
Telephone (907) 656-1281

CAPITAL IMPROVEMENT PROJECTS

#	PROJECT TITLE	LAND REQUIREMENTS	PURPOSE	FREQUENCY OF USE
1.	Alternative Power Feasibility Study ($30,000,000.00)	To be determined	To provide an alternative to bulk fuel oil	Frequent during predevelopment
2.	Clinic Equipment ($125,000.00)	None	To provide additional equipment to expand clinic capability & efficiency	As needed
3.	Emergency Communications & Fire Suppression Equipment ($75,000.00)	None	To provide reliable communications for fire, police, clinic, utilities & administration personnel & fire suppression equipment	Continious, on-call
4.	Vehicle Acquisition ($110,000.00)	None	To provide reliable vehicles for water & sewage haul. Police & administration purposes.	Daily, as needed
5.	Water & Sewer line Feasibility Study Alexander Lake Townsite Subdivision ($250,000.00) $25,000	Right-of-way	To provide potential evaluation of constructing water & sewer lines in major subdivision	Frequently during project development
6.	Vehicle Storage Building ($1,020,000.00)	1.5 acre	To provide heated storage for city vehicles & fenced yard for city equipment & materials	Daily
7.	Road Improvements ($1,000,000.00)	None	To improve present roads by adding gravel and/or widening as necessary	Daily
	Cemetary Road Construction Project ($1,500,000.00)	Right-of-way 100' wide by 6 miles in length	To provide access to Louden Village Cemetary from Galena	Frequent

Project Title	Location(s)	Election Districts Served	Start Date	Completion Date
Feasibility Study - Alexander Lake Townsite Subdivision	(2) Galena	(3) 18	(4) FY 82	(5)

(6) AGENCY REQUEST			(7) Operational Cost & No. Personnel Increase - (Decrease)		First Operating Year	Ultimate Annual Year	GOVERNOR'S REQUEST Approved	Deferred	Disapproved
1002	Federal Receipts		Funding Source	Federal Receipts			1002	Federal Receipts	
1003	G/F Match	APROX.		General Fund			1003	G/F Match	
1004	General Fund	25,000					1004	General Fund	
1005	I/A Receipts						1005	I/A Receipts	
	G.O. Bonds		Total Annual Operational Cost					G.O. Bonds	
			Position (FTE)						
			Previous Year Priority	Agency Priority		Governor's Priority			
	Total	25,000						Total	

PROJECT DESCRIPTION (8)

The City of Galena is requesting funding for a feasibility study of constructing water and sewer lines in the Alexander Lake Townsite Subdivision.

Aside from the new subdivision the City has a water well system piped to the central laundry and bathing facility. They have a water delivery system, by truck, to each home. Each home has a sewage holding tank which is picked up by the same means.

LEGISLATIVE MEMBER'S SIGNATURE:

CATEGORY (9) NRMEC

AGENCY Dept. of Envir. Conservation

PROGRAM

Page of

Revised Date

FY 82

85 LEGISLATIVE REQUEST PROPOSED CAPITAL

Project Title (1)	Location (2)	Election Districts Served (3)	Start Date (4)	Completion Date (5)
Feasibility study for Hughes Water and Sewer Repair	Hughes	18	FY 82	

(6) AGENCY REQUEST			(7) Operational Cost & No. Personnel Increase - (Decrease)		First Operating Year ____	Ultimate Annual Year ____	GOVERNOR'S REQUEST Approved	Deferred	Disapproved
1002	Federal Receipts		Funding Source	Federal Receipts			1002	Federal Receipts	
1003	G/F Match			General Fund			1003	G/F Match	
1004	General Fund						1004	General Fund	
1005	I/A Receipts						1005	I/A Receipts	
	G.O. Bonds		Total Annual Operational Cost					G.O. Bonds	
			Position (FTE)						
			Previous Year Priority	Agency Priority		Governor's Priority			
	Total							Total	

PROJECT DESCRIPTION (8)

The City of Hughes has requested funding for a feasibility study to determine exactly what repairs need to be made to their water and sewage system.

The City presently has water and sewer piped to each household.

LEGISLATIVE MEMBER'S SIGNATURE:

CATEGORY (9) NRMEC

AGENCY Dept. of Envir. Conservation

PROGRAM

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Revised Date

FY 82

5 LEGISLATIVE REQUEST
PROPOSED CAPITAL
PROJECT

Alaska State Legislature

HOME ADDRESS
P.O. BOX 65
GALENA, ALASKA 99741

WHILE IN JUNEAU
POUCH V
JUNEAU, ALASKA 99811
TELEPHONE 465-3733

SENATOR
John C. Sackett

CHAIRMAN
SENATE FINANCE COMMITTEE
MEMBER
BUDGET & AUDIT COMMITTEE

Senate

November 18, 1980

Ms. Millie Ambrose
City Clerk, City of Hughes
Hughes, Alaska 99745

Dear Ms. Ambrose:

I have reviewed your letter of August 28 regarding the need in Hughes for a dump truck and back-hoe, and sewer system repairs.

Your letter has been placed in my village request file for next session. I will do what I can to see that your requests are granted.

Thank you for notifying me.

Sincerely,

John Sackett

John C. Sackett

cc: Mayor Henry Beatus
JCS:dh

Hughes Village Council
Hughes, AK 99745

August 28, 1980

Senator John C. Sackett
Pouch V
Juneau AK 99811

Dear Senator Sackett:

I am writing this letter in request for funding to get a dump truck and back-hoe for Hughes, for which we are in bad need. The gravel road needs improving and new house lots are needed.

We would also like to know if there is a possibility of getting our sewer system repaired and installing new ones in the several houses that lack running water. If you can help us in any of these matters please let us know. You can contact us by letter or call [illegible]39-8001.

Sincerely,

Millie Ambrose
City Clerk

9-3-80
Orig. sent to Nancy

Alaska State Legislature

House of Representatives

Pouch V
State Capitol
Juneau, Alaska 99811

Official Business

March 26, 1981

To: Rep. Jack Fuller

From: Rep. Joseph Chuckwak

Subject: Dillingham-Water/Sewer

The major portion of water and sewer funds being requested--$400,000--will be used for the installation of new lines to the Dillingham boat harbor, and to property known as Windmill Hill.

The boat harbor traffic includes as many as 500 vessels in its peak season. The water and sewer lines will provide facilities to handle the heavy-use season more efficiently.

BOAT HARBOR-Sewer Line

1,000 feet collective line
5 manholes
2 lift stations

Water Line

2,000 feet six-inch line
shut-off valves
3 fire hydrants
gravel back-fill

WINDMILL HILL-Sewer Line

1,000 feet gravity flow line
5 manholes
1 lift station

The $400,000 also includes cost estimates for engineering services; materials for connecting the lines and a small contigency fund.

The additional $65,000 being requested will provide funds for a five-year comprehensive water and sewer study at two sites in what is known as the Squaw Creek area. The money will provide funding for aerial photography to collect data for contour maps with sites for water and sewer lines and lift stations.

P.O. BOX 121 DILLINGHAM, ALASKA 99576
TELEPHONE (907) 842-5211 or 842-5212

March 26, 1991

Representative Joe Chuckwuk
Pouch V
Juneau, Alaska 99811

Dear Representative Chuckwuk:

This letter will confirm our discussion at your tele-conference session last night regarding the City of Dillingham's immediate water and sewer requirements, and its need for a Community Recreation Center.

I. House Bill 269

A. Boat Harbor Collector Sewer

1. Sewer lines	1,000 ft.
2. Manholes	5
3. Lift stations	2

B. Windmill Hill Sanitary Sewer

1. Eight inch gravity	1,000 ft.
2. Manholes	5
3. Lift station	1

C. Watermain to Boat Harbor

1. Water main 6" - 8"	2,000 ft.
2. Valves	6
3. Hydrants	3
4. Gravel fill	1,000 sq. yds.

$ 400,000

II. House Bill 269

Feasibility Study for water and sewer facilities to Squaw Creek area 65,000

III. House Bill 266

Recreation Center:

1. Square footage	6,000
2. To be located on city owned property	

CITY OF DILLINGHAM

P.O. BOX 191 DILLINGHAM, ALASKA 99576

TELEPHONE (907) 842-5211 or 842-5212

Recvd 20 Jan 81
By Air. mail

January 15, 1981

Representative Joe Chuckwuk
Pouch V
Juneau, Alaska 99811

Dear Joe:

The council has had Legislative Requests on the agendas for several meetings. I apologize for not getting a set list at an earlier date. We have had very little input from the community. The following items are not listed by priority.

a. Additional monies to complete updating our Comprehensive Plan to include street improvement and storm sewer planning. Estimate $100,000 - 150,000

b. Support for upgrading and surfacing all major road arteries. Wood River, Kanakanak to Dillingham and Lake Road.

c. Support for increasing road maintanance funding until highways are surfaced. Reason: current level of maintcnance funding too low.

d. Fire truck - $180 - 200,000.

e. Support Lake Elva and Lake Tazimna feasibility and project fundings.

f. Recreation center to include swimming pool. OUr Youth Center inadequate and on second floor.

g. Adequate state operated jail. We have requested information from other communities on whether we should build and run jail or continue with state running. All agree letting state best. Our current jail is inadequate.

h. Support longer runway and apron expansion state airfield.

i. Erosion Dillingham shore line. Currently Corps of Engineers is doing study.

j. Sewer collection system for small boat harbor area and lower section Windmill Hill.
City has to come up with at least 50% to match state in order to make lift stations available for these 2 areas to coincide with PHS Project. (Estimate $200,000).

maintenance support 90,000.

k. State support for local Senior Citizen Center. I should have feasibility study by Jan. 31st. We have construction monies. (No estimate yet).

l. Water/sewer system small airport subdivision area and back side small airport. None now.

SB 125 m. Support full municipal assistance funding.

n. Support capitol funding allocations to communities allowing communities to select own projects.

o. Support increase state revenue sharing no strings attached.

p. Funding for feasibility study to provide water/sewer Squaw Creek area.

q. Guard rails for sections state highways.

Please review our "wish list" and let me know necessary documentation you require.

Sincerely,

Laura

Laura M. Schroeder
City Manager

Priority

1. Fire Truck
will send down bid

2. sewer systems construction
Small boat harbor / Windmill Hill

3. Recreation Center - swimming pool
will send sq. ft.

4. Water / Sewer feasibility studies
Small airport / Squaw Creek

MEMORANDUM State of Alaska

TO: Keith Specking
Legislative Assistant
Office of the Governor

DATE: March 13, 1981

FILE NO:

TELEPHONE NO: 465-2600

SUBJECT: House Bills 265 & 269

FROM: Ernst W. Mueller
Commissioner
Department of Environmental Conservation

Department of Environmental Conservation
MAR 13 1981
RECEIVED

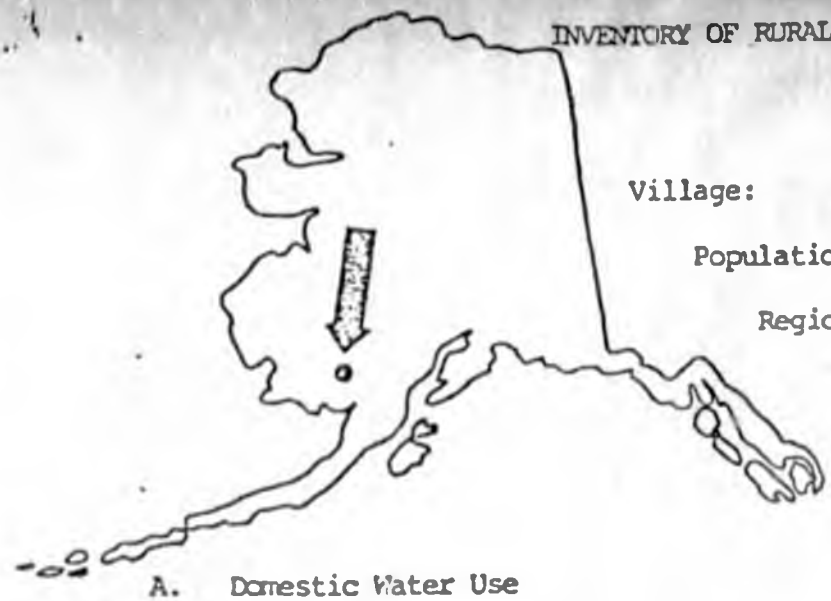
House Bill 265

This bill makes a special appropriation to the department for the design of a water and sewer system at Ekwok in the amount of $125,000. Our research indicates that this project would fill a very real community need. Ekwok does not have a community water system and there are no current plans by either the state or Public Health Service to build one. The bill would appropriate more funds than necessary for only a design. We estimate that $40,000 to $50,000 would be more than adequate. We also have problems with the proposed language that would have the department give a grant to the Bristol Bay Area Health Corporation to do the work. There does not appear to be any need to have both agencies involved. In this case it may be best to give the grant directly to the health corporation and not include this department. The corporation is well qualified to handle the project and they would have more flexibility than the department in building the best system. This department has been informed by the attorney general's office that we cannot participate in individual water system improvements. In the case of Ekwok it appears that individual wells may be desired. Therefore, it may be best to exclude the department from the bill.

House Bill 269

This bill appropriates $465,000 to the City of Dillingham for the design and construction of water and sewer system improvements. The appropriation will design facilities in the Squaw Creek and Little Airport areas. In addition, facilities in the Windmill Hill area will be designed and constructed. These improvements appear to be valid projects. We recommend that the appropriation be administered by the department rather than through the Municipal Grant Account.

cc: Keith Kelton



INVENTORY OF RURAL SANITATION SERVICES

MAR / 198
~~FEB~~ / ~~1980~~
Month / Year

Village: EKWOK

Population: 109 Class: 2ND

Region: BRISTOL BAY CORPORATION

Number of Homes: 25

I. WATER SUPPLY

A. Domestic Water Use

Present Supply: SIX PRIVATE WELLS/ TWO COMMUNITY WELLS/PHS PROVIDED CASING AND SCREENS AND ALL ADDITIONAL COSTS WERE ASSUMED BY HOME OWNERS

Adequacy of Present Supply: UNTREATED SOURCES OF SUPPLY/PERIOI SURFACE CONTAMINATION BECAUSE WELI ARE NOT SEALED PROPERLY

Planned Improvements in Water Supply: NONE

History of Water Supply Projects: PHS DRILLED 3-50' WELLS IN 1974 - ONE PROVIDED GOOD QUALITY WATER/O & M IS PROVIDED BY THE SCHOOL/HOWEVER, SILT HAS INFILTRATED WELLS

B. Industrial & Institutional Use

Describe User	Present Supply	Adequacy
SOSS SCHOOL CHURCH	HAND DUG 36' WELL	QUALITY IS CL 8 p Fe 2.4 ppm/WELLS SUBJECT TO SEPTIC CONTAMINATION

II. WASTE DISPOSAL

A. Solid Waste Disposal Method(s): NEAR AIRPORT RUNWAY/INDISCRIMINATE DUMPING ALSO NOTED IN VILLAGE

B. Domestic Sewage Disposal Method(s): PRIVIES/HONEY BUCKETS, CESS POOLS

C. History of Waste Disposal Projects: NONE NOTED

D. Planned Improvements in Waste Disposal: NONE

E. Industrial and Institutional Sewage Disposal Methods:

User	Method
SCHOOL	3 SEPTIC TANKS
LODGE	3 SEPTIC TANKS
COMMUNITY HALL & CLINIC	PRIVY
	ALL SEPTIC TANKS ARE OVERLOADED

F. Other Contamination: NO PROBLEMS

III. FLOODING & EROSION

A. Flooding

Type of Flooding: ICE JAMMING/ STREAM OVERFLOW/LOCAL DRAINAGE

Frequency: EVERY FIVE YEARS OR MORE OFTEN

Severity: 10%

B. Erosion NONE

Type of Erosion:

Severity:

IV. ADDITIONAL INFORMATION

A. Population Trend (up, down or stable) NO DATA

B. Seasonal Population Changes: FISH CAMPS

C. Power & Fuel:

Source(s) & Costs of Electricity: SCHOOL HAS 1-75 kw ALLIS CHALMERS GENERATOR AND SELLS SURPLUS ELECTRICITY TO VILLAGE 9 MONTHS A YEAR

Fuels Available and Costs: ~~NO DATA~~ Gas $1.32 Gal
Oil 1.23 Gal

D. Type of Commercial Transportation: BARGE/AIR SERVICE

E. Economic Factors:

Sources of Village Revenue: ~~FEDERAL~~ REVENUE SHARING $24,630

Personal Income (per capita):

Sources: private employment _____ % public employment _____ %

public assistance _____ %

F. Planned Housing and Other Capital Projects: NONE IN IMMEDIATE FUTURE

ALASKA

STATE LEGISLATURE

MEMORANDUM

March 18, 1981

TO: Representative Jack Fuller, Chairman Bush Cacus

FROM: Representative Fred F. Zharoff FZ

SUBJECT: Water and Sewer Feasability Study - Ouzinkie, Alaska

The City of Ouzinkie is in need of the Feasability Study to determine the best method of upgrading their water and sewer system. The system was originally put in by Public Health Service in about 1965, and as housing was added to the City PHS expanded the system to those houses only.

The system the City currently has is a pump system run by a 20 KW generator. PHS comes in every couple of years or so to replace worn out pumps, but has never done any work to upgrade the rest of the system.

The City feels there is a good possibility the system could be converted to a gravity feed system, thereby replacing the pumps and generator which in turn will reduce their fuel bill.

I will be attempting to add this request to your Bill HB 334 which is currently in the HESS Committee and will need you support and backing when the Bill comes up for discussion.

Thank you.

ALASKA

STATE LEGISLATURE

MEMORANDUM

March 24, 1981

TO: Representative Jack Fuller

FROM: Representative Fred Zharoff

Included is a request that came to my attention just recently.

I am not familar with your time schedule to have this included with your over all water and sewer bill but I would respectfully request that if at all possible suggestion if the bill has been drafted you could use the amendment process for this inclusion.

Note: this project is ready to go, except for funding, the planning and designs are complete.

Also more back up material will be arriving from the City of Kodiak and will be forwarded to you.

PROJECT - MONASHKA DAM.

This dam will be constructed in the Monashka Creek watershed area. It has already been designed by International Engineers and would have been constructed except for the Native Land Claims. With passage of the D-2 Bill this problem has disappeared and we now will have to negotiate with the Borough for the watershed. The dam is to be constructed in stages and the first stage will back up approximately 530 million gallons of water which is twice what our current supply is. A pump house has already been constructed and a 24" ductile iron line from the pump house to the Upper Reservoir is installed. The estimated costs of construction for the first stage is $2,000,000.

PROJECT FUNDING.

	81-82	Percentage
State (General Fund)	1,000,000	50%
Department of Environmental Conservation Grant	1,000,000	50%
Total	2,000,000	100%

PROJECT LOCATION.

In the Monashka watershed area, at the head of Monashka Bay.

ALASKA

STATE LEGISLATURE

MEMORANDUM

March 18, 1981

TO: Representative Jack Fuller

FROM: Representative Fred Zharoff FZ

RE: Island Lake Sewer and Water Project - Kodiak, Island

Attached are cost estimates for the Island Lake Sewer and Water Project when the Kodiak Island Brough (HB 98) which I would like included in HB 334. Although HB 98 calls for $8,500,000 in talking with Department of Environmental Conservation and Kodiak Island Borough I am requesting funding for $573,800 this year, which will provide funding for the Engineering Design for both project components. This project will be a three year phased project with system design the first year; Sewer Interceptions and Water Transmission Lines the second year; and Sewer Collectors and Water Distribution System the third year. The Department of Environmental Conservation has this project listed as one of its top priorities.

A more detailed discussion of the attached can be had by contacting either myself or Richard Austerman of my staff.

Thank you for your interest in this project.

KODIAK ISLAND BOROUGH

ISLAND LAKE SEWER PROJECT

Estimated Capital Cost $4,700,000

Project Component Breakdown (x 1,000)

Engineering Design	293.7
Project Inspection/Surveying	293.7
Construction	2,937.5
Contingencies and Miscellaneous	1,175.1
Total	$4,700.0

Funding Options (x 1,000)

Option I	EPA	$3,145.9	67%
	ADEC	714.4	15%
	Local	839.4	18%
	Total	$4,700.0	
Option II	ADEC	$1,965.8	42%
	Local	2,734.2	58%
	Total	$4,700.0	
Option III	Local Only	$4,700.0	100%

KODIAK ISLAND BOROUGH

ISLAND LAKE WATER PROJECT

Estimated Capital Cost $3,800,000

Project Component Breakdown (x 1,000)

Engineering Design	280.1
Project Inspection/Surveying	280.1
Construction	2,801.5
Contingencies and Miscellaneous	438.3
	$3,800.0

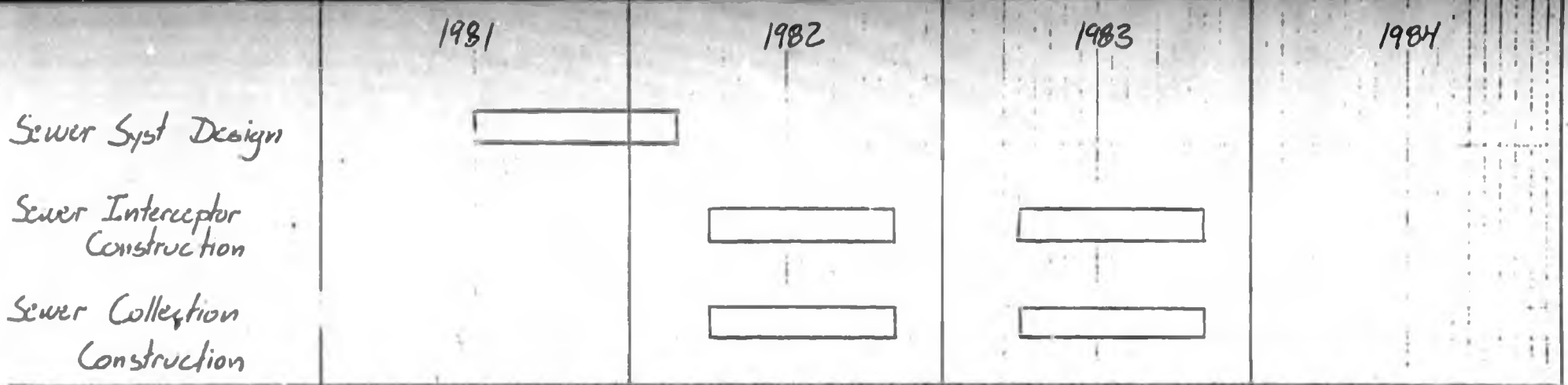
Funding Options (x 1,000)

Option I

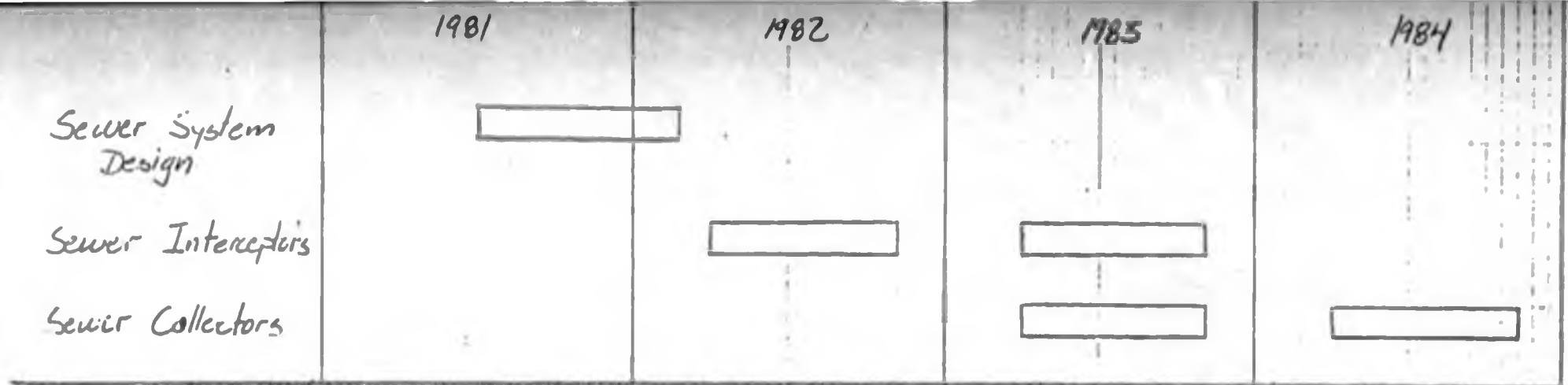
ADEC	$1,706.6	45%
Local	2,093.4	55%
Total	$3,800.0	

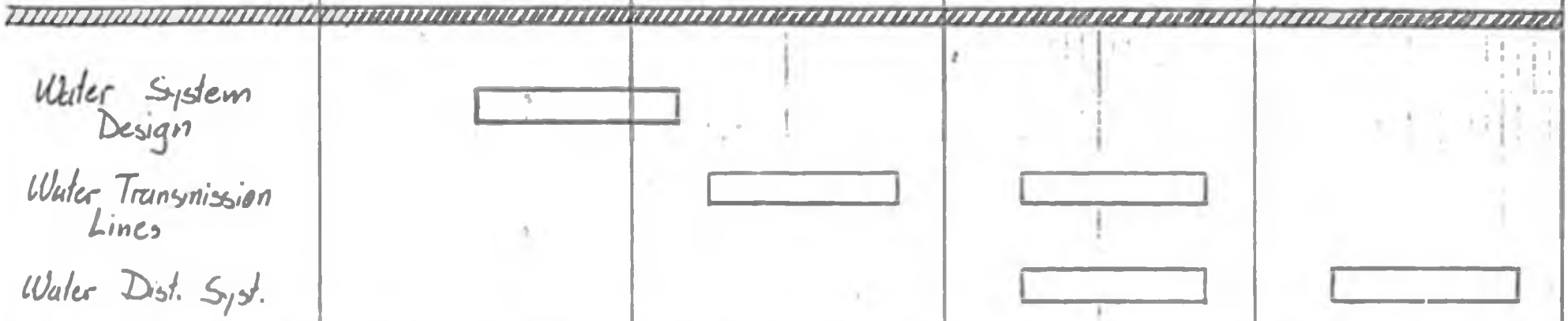
Option II

Local Only	$3,800.0



	1981	1982	1983	1984
Sewer Syst. Design	$293.7			
Sewer Int Const.		$2716.9		
Sewer Coll. Const.		1689.4		
Water Syst. Design		280.1		
Water Trans. Const.			$2678.6	
Water Dist Const.			841.3	
	$293.7	$4686.4	$3519.9	





	1981	1982	1985	1984
Sewer Syst Design	$293.7			
Water Syst Design	280.1			
Sewer Int. Const.		$2716.9		
Water Trans Const		2678.6		
Sewer Collector Const			$1689.4	
Water Dist Const			841.3	
	$573.8	$5,395.5	$2530.7	

Kodiak Island Borough
Island Lake Sewer System
Cost Estimates (x 1,000)

	Project Capital Cost	Option I EPA, ADEC and Local: EPA Grant	Option I: State Grant	Option I: Local Share	Option II ADEC and Local: State Grant	Option II: Local Share	Option III Local Only: Local Share
Interceptors							
Rezonff Island Lake Int.	$2,626.0	$1,965.1	$330.4	$330.5	$1,313.0	$1,313.0	$2,626.0
Mission Road Int.	272.0	-0-	136.0	136.0	136.0	136.0	272.0
Subtotal	$2,898.0	$1,965.1	$446.5	$446.5	$1,449.0	$1,449.0	$2,898.0
Collection Mains							
Basin 6 Gravity Sewer (TC overlookinng Island)	$ 288.1	$ -0-	$144.1	$144.0	$ 144.0	$ 144.1	$ 288.1
Small Dia. Pres. Sew. around Island and Sark Lake	745.7	633.9	55.9	55.9	372.9	372.8	745.7
Subtotal	$1,033.8	$ 633.9	$200.0	$200.0	$ 517.0	$ 517.0	$1,033.8
House Service Laterals							
Gravity (Basin 6 and 14)	$ 124.5	$ -0-	$ -0-	$124.5	$ -0-	$ 124.5	$ 124.5
Press Laterals (Basin 14)	643.7	546.9	48.4	48.4	-0-	643.7	643.7
Subtotal	$ 768.2	$ 546.9	$ 48.4	$172.9	$ -0-	$ 768.2	$ 768.2
TOTAL	$4,700.0	$3,145.9	$714.7	$839.4	$1,965.8	$2,734.2	$4,700.0

Kodiak Island Borough
Island Lake Water Distribution System
Cost Estimate

Item	Quality	Cost/Unit	Estimate (X 1,000)
Pipe, DI 12"	250 LF	$ 61.50	15.4
Pipe, DI 10"	7,775 LF	46.50	361.5
Pipe, DI 8"	15,950 LF	30.50	486.5
Pipe, DI 6"	4,075 LF	25.50	103.9
Pipe, DI 4"	950 LF	21.50	20.4
Pipe, PVC 1½"	400 LF	6.50	2.6
Pipe, PVC 1"	175 LF	5.00	.9
Excavation & Backfill	19,075 LF	30.50	581.8
Excavation & Backfill	10,500 LF	46.50	488.2
Pressure Testing	29,575 LF	1.50	44.4
GV&VB 12"	1 each	1,856.50	1.9
GV&VB 10"	8 each	1,467.50	11.7
GV&VB 8"	19 each	1,079.00	20.5
GV&VB 6"	6 each	1,003.50	6.0
GV&VB 4"	4 each	847.00	3.4
Hydrants	50 each	3,783.50	189.1
Backfill Select	2,500 cy	23.00	57.5
Street Replacement, Gravel	18,800 LF	14.00	263.2
Short Water Service	50 each	812.00	40.6
Long Water Service	60 each	1,700.00	102.0
TOTAL CONSTRUCTION ESTIMATE			$2,801.5

Sewer Funding Options
Advantages and Disadvantages

Option I -

EPA	$3,145.9
ADEC	714.7
Local	839.4

Advantages:
- lowest level of local funds necessary
- certain items that wouldn't normally be eligible for State grant are eligible under federal determination

Disadvantages:
- significant application procedures for federal funds
- proposed user charge system prohibited under federal regulations
- must utilize federal procurement and contracting procedures
- plan and specification approval necessary
- project must be audited
- national average for projects 7 to 9 years to benifical occupancy
- must prepare public participation work plan
- must implement annual review of O&M costs

Option 2 -

ADEC	$1,965.8
Local	2,734.2

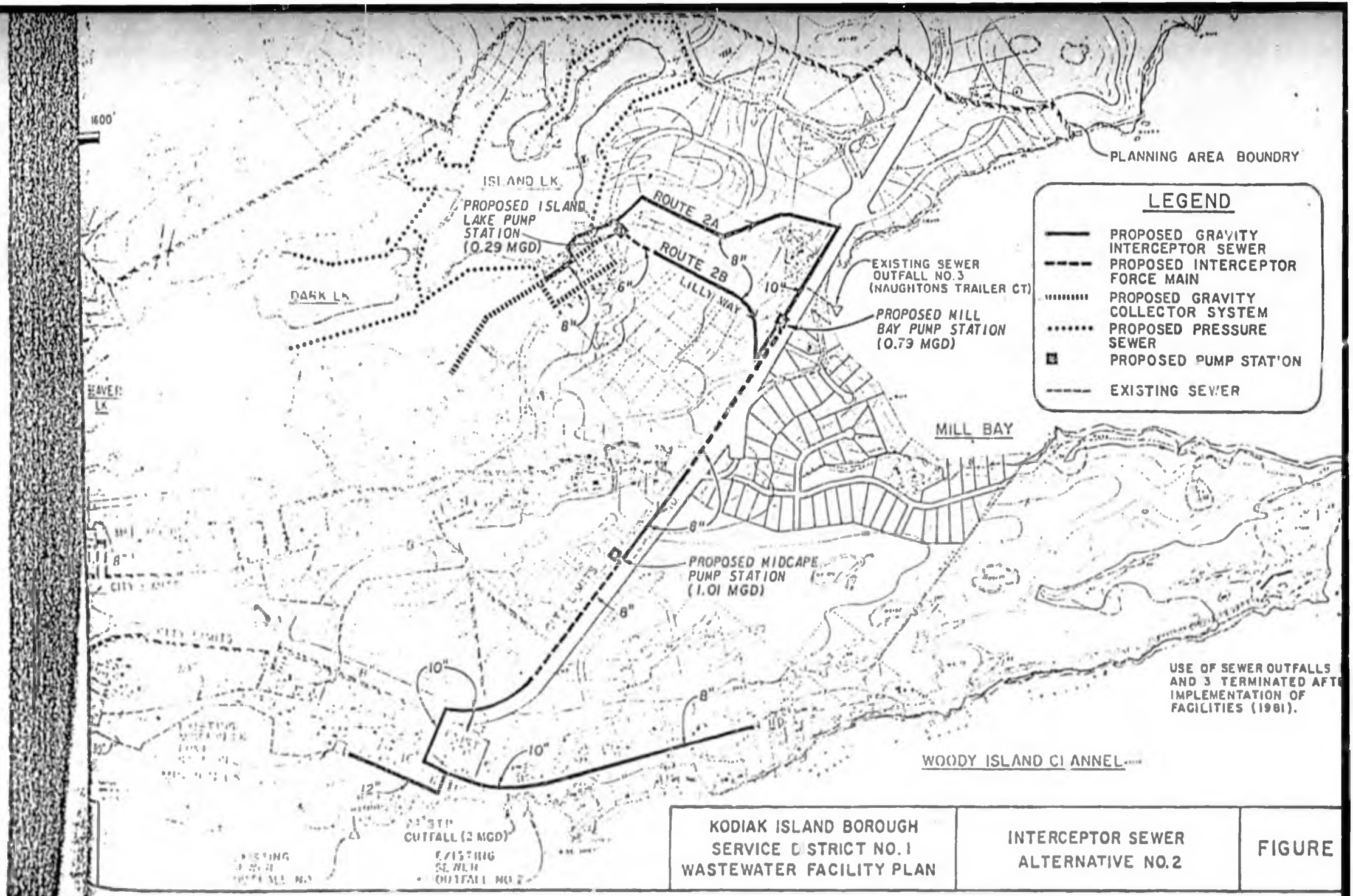
Advantages:
- local money needed is partially reduced by State grant
- State assistance available in negotiating with consulting firms

Disadvantages
- plans and specifications must be approved by the State
- change orders must be approved by State
- application form must be completed
- project will be audited

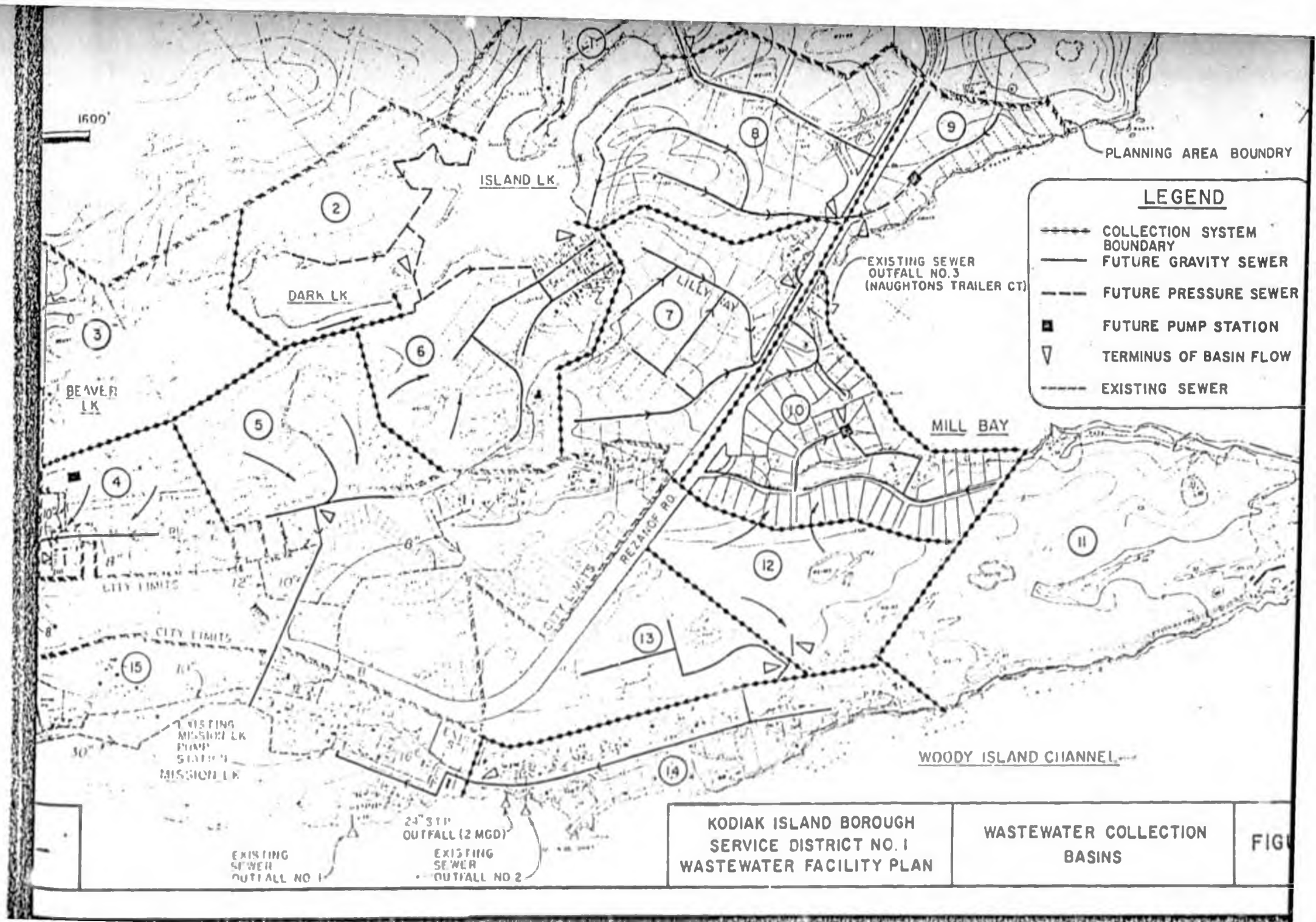
Option 3 -

Advantages:
- essentially no strings attached to funds

Disadvantages:
- greatest amount of local funds necessary
- plans and specification still must be approved by ADEC



KODIAK ISLAND BOROUGH SERVICE D STRICT NO. I WASTEWATER FACILITY PLAN	INTERCEPTOR SEWER ALTERNATIVE NO. 2	FIGURE


1600'
ISLAND LK
DARK LK
BEAVER LK
LILLY BAY
MILL BAY
PLANNING AREA BOUNDRY
EXISTING SEWER OUTFALL NO.3 (NAUGHTONS TRAILER CT)
REZANOF RD
CITY LIMITS
CITY LIMITS
EXISTING MISSION LK PUMP STATION
MISSION LK
WOODY ISLAND CHANNEL
EXISTING SEWER OUTFALL NO 1
24" STP OUTFALL (2 MGD)
EXISTING SEWER OUTFALL NO 2
LEGEND
COLLECTION SYSTEM BOUNDARY
FUTURE GRAVITY SEWER
FUTURE PRESSURE SEWER
FUTURE PUMP STATION
TERMINUS OF BASIN FLOW
EXISTING SEWER
KODIAK ISLAND BOROUGH SERVICE DISTRICT NO. 1 WASTEWATER FACILITY PLAN
WASTEWATER COLLECTION BASINS
FIGU

KODIAK ISLAND BOROUGH
SERVICE DISTRICT NO. 1
USER CHARGE SYSTEM DISCUSSION

The proposed method of distributing Service District No. 1 O&M costs would be to determine a fixed annual O&M cost that would be required no matter how many users were connected to the system. Assess all lots ultimately served by the facilities the fixed O&M equally. Determine the incremental increase in O&M cost per additional connection to the system. Charge users actually connected to the system this incremental charge on a monthly basis along with the City's monthly charge. Each year the rates would be adjusted to reflect the actual O&M costs and number of lots in the area.

Two alternatives are considered for distributing the fixed O&M cost. The first would be to assess all lots ultimately served by the interceptors equally. The second alternative would be to assess all lots served by the interceptors the interceptor portion of the fixed cost and in addition all lots served by the collector sewers the collector portion of the fixed cost. The example calculations below should illustrate the procedures.

Given:

257 lots within 250 feet of proposed sewer (collector service area)
421 lots within interceptor service area
$26/month City of Kodiak monthly charge per connection ← includes collection as well as treatment costs
$66,900 S.D. No. 1 Annual O&M cost with 180 connections (start-up)
$94,400 S.D. No. 1 Annual O&M cost with 1,000 connections
Interceptor O&M equals 79% of total
Collector O&M equals 21% of total

Incremental Cost:

$$\frac{\$94,400 - \$66,900}{1,000 \text{ conn} - 180 \text{ conn}} = \$33.54/\text{year}$$

Fixed Cost:

Total Annual Cost minus incremental cost times number of connections

= $66,900 - ($33.54) (180 conn)
= $66,900 - $6,040 = $60,860
Interceptor portion of fixed cost equals (0.79) $60,860 = $48,080
Collector portion of fixed cost equals (0.21) $60,860 = $12,780

Property Assessment = Fixed cost divided by number of lots served

Alternative No. 1; all lots share equally

$60,860/421 lots = $145/yr.

Alternative No. 2; all lots pay interceptor

portion $48,080/421 lots = $114/yr.

Lots in collector service area pay an additional collector portion of fixed cost $12,780/257 lots = $50/yr.

Service Charge = incremental O&M cost plus city charge

= $33.54/12 months + $26/month
= $2.80 + $26.00 = $28.80/month

Example User Charge:

Alternative No. 1

Lot outside service area:
Assessment $145/yr. $12.08/mo

Lot inside collector service area but not connected:
Assessment $145/yr. $12.08/mo

Lot connected to sewer.
Assessment $145/yr.
Service Charge 28.80/mo. $40.88/mo

Alternative No. 2

Lot outside collector service area:
Assessment $114/yr. $9.50/mo

Lot inside collector service but not connected:
Assessment $114 + $50 = $164/yr. $13.67/mo

Lot connected to sewer:
Assessment $114 + $50 = $164/yr.
Service Charge $28.80/mo. $42.47/mo

Alt 2a (180 connections)

Interceptor O&M $26
Collector O&M $5
City of Kodiak Charge $26
$57/mo

ALASKA

STATE LEGISLATURE

MEMORANDUM

TO: Representative Jack Fuller

FROM: Representative Fred Zharoff

SUBJECT: Priority for water, sewer, or solid waste for District 14.

Currently I only have one priority in this area and that is a grant to the Kodiak Isalnd Borough for design and construction of waste water collection and domestic water supply systems for Service District No. 1 (Island/Dark Lake). I have attached a copy of the Bill I have introduced. I am currently gathering additional information from DEC and will provide you with a copy.

Thank You

FFZ/kll
Attachment

Project Title (1)	Location (2)	Election Districts Served (3)	Start Date (4)	Completion Date (5)
Mt. Village Water and Sewer	Mt. Village	18	FY 82	

(6) AGENCY REQUEST			(7) Operational Cost & No. Personnel Increase -- (Decrease)		First Operating Year	Ultimate Annual Year
1002	Federal Receipts		Funding Source	Federal Receipts		
1003	G/F Match			General Fund		
1004	General Fund	1,223,500				
1005	I/A Receipts					
	G.O. Bonds		Total Annual Operational Cost			
			Position (FTE)			
			Previous Year-Priority	Agency Priority	Governor's Priority	
	Total	1,223,500				

GOVERNOR'S REQUEST			
	Approved	Deferred	Disapproved
1002	Federal Receipts		
1003	G/F Match		
1004	General Fund		
1005	I/A Receipts		
	G.O. Bonds		
	Total		

PROJECT DESCRIPTION (8)

Under HUD's Indian Housing Program 74 new houses are scheduled to be built in Mt. Village this summer. PHS was scheduled to install water and sewer extensions to all of the new houses but recent actions by the Reagan Administration froze supplemental funds anticipated to PHS, for the cost of the extensions. Therefore, Mt. Village requests that funding for water and sewer extension be granted so as not to delay or jeopardize their project.

Also an original request from Mt. Village before we found out that PHS would not have sufficient funds to complete the project, was that $175,000 be appropriated to extend the main line of the PHS water and sewer to include the native store, clinic and city recreation building. This has not been included in the attached cost estimate, however, it has been included in the total funding request.

Presently existing within the village is 140 ft. water well with piped water service to 38 homes. Also, the village has a piped sewage system.

LEGISLATIVE MEMBER'S SIGNATURE:

CATEGORY (9) NRMEC

AGENCY Dept. of Envir. Conservation

PROGRAM

Page of

Revised Date

FY 82

35 LEGISLATIVE REQUEST
PROPOSED CAPITAL
PROJECT

Final Cost Estimate
For
AVCP Housing Authority On-site Work
at
Mountain Village, Alaska

WATER LINES	
3,600 FOOT MAIN LINE @ $50/FT.	$180,000.00
4,500 FOOT INDIVIDUAL HOME SERVICE LINES @ $75/FT.	337,500.00
SEWER LINES	
4,000 FOOT MAIN LINE @ $69/FT.	240,000.00
14 MANHOLES @ $1,500	21,000.00
4,500 FOOT SEWER SERVICE @ $60/FT.	270,000.00
TOTAL	$1,048,500.00

COST PER HOME $14,170

INVENTORY OF RURAL SANITATION SERVICES

~~FEB~~ MAR / ~~1980~~ 1981
Month Year

Village: MOUNTAIN VILLAGE

Population: 513 Class: 2ND

Region: CALISTA CORPORATION

Number of Homes: 107

I. WATER SUPPLY

A. Domestic Water Use

Present Supply: PHS 140' WELL/ 50,000 GALLON STORAGE TANK/BURIED PIPES/CL/FL/PIPED SERVICE TO 38 HOMES/13 HOMES NOT CONNECTED

Adequacy of Present Supply: CHEMICAL QUALITY OF PHS WELL IS Fe .68 ppm/CL 3 ppm/TDS 196 ppm

Planned Improvements in Water Supply: ~~NONE~~ 76 HUD/HIP HOUSES PLANNED FOR 1981 PHS TO EXTEND SERVICE TO THESE HOMES AND ADD NEW STORAGE TANK

History of Water Supply Projects: WATER SYSTEM HAS BEEN OPERATIONAL SINCE 1972/1973 NEW WELL WAS DEVELOPED WHEN 46' WELL WENT DRY/NEW SYSTEM OPERATES SATISFACTORILY/ PHS BUILT NEW PUMPHOUSE IN 1978/USER FEE $15.00 PER FAMILY MONTH/COLLECTION EFFICIENCY 44%/NEW PUMPHOUSE AND BOOSTER STATION BUILT 1979

B. Industrial & Institutional Use

Describe User	Present Supply	Adequacy
SCHOOL (REAA)/NATIVE CORP STORE	COMMUNITY SYSTEM	CL 200 ppm/TDS 657/HCO 3 336 ppm
BIA SCHOOL	OWN WELL	NO DATA
CANNERY	OWN WELL	NO DATA

II. WASTE DISPOSAL

A. Solid Waste Disposal Method(s): DUMP SITE ALONG ROAD CUT USED BY VILLAGE/ OCCASIONALLY COVERED BY TRACTOR/COMPACTOR

B. Domestic Sewage Disposal Method(s): PHS SEPTIC TANK/94 HOMES ARE CONNECTED/ EFFLUENT TO YUKON RIVER

C. History of Waste Disposal Projects: SEPTIC TANKS ARE NOT OPERATING PROPERLY/ TWO ARE PLUGGED UP AND ONE HAS CAVED IN/DRAIN FIELDS ALONG RIVER ARE SILTING UP

D. Planned Improvements in Waste Disposal: PHS SEWAGE LAGOON PROPOSED IN SUMMER OF 1981 ~~1980~~

E. Industrial and Institutional Sewage Disposal Methods:

User	Method
REAA HIGH SCHOOL	SEPTIC TANK/DRAIN FIELD
ALL OTHERS	COMMUNITY SYSTEM
BIA SCHOOL	SEPTIC TANK

F. Other Contamination: FISH PROCESSOR/CANNERY WASTE

III. FLOODING & EROSION

A. Flooding

Type of Flooding: ICE JAMMING/STREAM OVERFLOW

Frequency: 1-5 YEARS

Severity: 30%

B. Erosion NO PROBLEM

Type of Erosion:

Severity:

IV. ADDITIONAL INFORMATION

A. Population Trend (up, down or stable): STABLE

B. Seasonal Population Changes: NONE

C. Power & Fuel:

Source(s) & Costs of Electricity: AVEC 300 kw/$.37 kwh WITH $18.20 MONTHLY MINIMUM

Fuels Available and Costs:

D. Types of Commercial Transportation: BARGE 4-5 TRIPS/AIR SERVICE

E. Economic Factors:

Sources of Village Revenue: 2% SALES TAX/FEDERAL & STATE REVENUE SHARING

Personal Income (per capita):

Sources: private employment _____% public employment _____%

public assistance _____%

F. Planned Housing and Other Capital Projects: NONE

RAMPART

DESCRIPTION OF NEED:

Water Supply. Currently residents of the village haul water from the Yukon river or haul ice from creeks adjacent to the village. In the summer, rain water collection is often used.

Three (3) wells have been drilled by PHS ranging in depths from 52 feet to 225 feet in the village area. All these wells were drilled either into permafrost or bedrock and abandoned. PHS has determined that further drilling will have little likelihood of finding water and the closet point where a well can possibly be drilled will be in the Minook river basin which is over one mile from the village.

DESCRIPTION OF PROJECT:

A watering point/washeteria is requested for the village of Rampart. Two possibilities exist for the construction of this project. A well drilled in the Minook River Basin with a transmission line and holding tank located in the village next to the washeteria. Under this system, the water will be pumped from the well and sent via insulated transmission line to the holding tank in town. The tank will need to be filled a least four (4) times per year with the transmission line being drained between filling periods to prevent freeze up.

An alternate method would be a fill and draw system with a portable pump located on the river bank and the transmission line again to large storage tanks located in the village adjacent to the washeteria. Again, the large tank will be filled 4 to 5 times a year with the transmission line drained between fill operations to prevent freezing. The transmission line could perhaps be dismantled after the fill operation and stored away to prevent possible damage or vandalism. In both cases the water would be filtered and chloridated.

Teller Meeting

December, 1980

1. Cesspool for clinic. Presently using honeybuckets. The clinic has water.

2. Increase state revenue sharing.

3. airport lighting and navigational aides.

4. Garbage truck, dump, and road. The road needs to be 2 miles beyond new housing to the dump.

5. Water and sewer system. Ice and rain are the main sources of water. This is one of their biggest priorities.

6. Increase funding to the Local Government Assistance Office in Nome so that villages can get some sort of expertise in getting grants.

7. Teller twice applied for funds through the Coastal Energy Impact Program. Turned down both times. Teller is trying to find out the impact of oil development on subsistence lifestyle. They feel this program might need more funding.

8. New housing is crummy.

9. Increase funding for the trail staking program. DOT presently pays $30/ mile. The villagers have to put up 12'poles (they have to furnish the poles) every 100 feet. This makes 52/mile.

10. Fire equipment. They have a volunteer fire department, but no equipment. Even 10 pound fire extinguisher with refills would help. (one idea was the 200-300 pound fire extinguisher on wheels, like the Nome airport has).

11. Small boat harbor.

12. Please do something about unemployment.

13. Help with energy costs. Is there some way to hook into Pilgrim?

14. More funding for policeman.

15. shelter cabins. (1 or 2).

16. Please provide funds for the Coastal Resource Council.

17. Teller Native Corporation needs funding for store (sent a loan packet to Dorothy Isabell).

18. Help with health care. For emergencies, Norton Sound only pays transportation one way. Air fare is only paid coming back from Nome. A baby recently died of pneumonia in Brevig because its mother couldn't afford to take it to Nome.

REPRESENTATIVE TONY VASKA
Alaska State Legislature
House of Representatives

DISTRICT 17
ANIAKCHAK
ANIAK
ATMAUTHLUAK
BETHEL
CHEFORNAK
EEK
KALSKAG
KASIGLUK
KWETHLUK
LOWER KALSKAG
MEKORYUK
NAPAKIAK
NAPAMIUT
NEWTOK
NIGHTMUTE
NUNAPITCHUK
NYAC
OSCARVILLE
TOKSOOK BAY
TULUKSAK
TUNTUTULIAK
TUNUNAK

HOME
P.O. BOX 892
BETHEL, ALASKA 99559
(907) 543-2334

WHILE IN JUNEAU
POUCH V
JUNEAU, ALASKA 99811

(907) 465-4921
(907) 465-4922

March 18, 1981

DISTRICT 17 SEWER AND WATER PROJECTS

AKIACHAK - VILLAGE SAFE WATER FACILITY

The City of Akiachak received a grant from the Department of Environmental Conservation for the construction of a Village Safte Water Facility. The facility was designed and construction began in May of 1980. However, in June 1980, there was an explosion on a barge at Bethel, delaying all barge deliveries througout the Kuskokwim Delta; this started a series of delays which had a cascading effect throughout the entire construction schedule and consequently, the job was shut down in November 1980 with the job approximately 80% complete. It is estimated that $200,000.00 will be required to finish this job.

This money is broken down:

Freight	20,000
Labor	80,000
Materials	60,000
Cons. Management	40,000
	190,000
Plus Contingencies at 10%	19,000
	209,000

Say: $210,000

The Lower Kuskokwim School District recently built a high school at the west end of Akiackak. It had planned to dispose of waste water into a septic tank and leach field. Percolation tests have demonstrated that the leach field will have a useful life of less than 3 years, and consequently, the school district would like to use the VSW Facility for required sewage treatment, and has informed the City that they would hook into the VSW Facility if a utilidor could be provided between the school and the VSW Facility.

Provision of this utilidor would grerantee proper treatment of the school's waste water, and would make the difference between the VSW Facility requiring an O and M subsidy, or being financially self-sufficient.

The distance between the high school and the VSW Facility is approximately 1500 feet, estimating the cost of construction at $200/ft., we get $300,000.

EXTENSION OF THE BETHEL SEWER SYSTEM

This proposal would find the extension of the Kilbuck School sewer line to an additional area of the City of Bethel. The area to be covered has been developed for a great many years and this project would provide for a sewer disposal. In addition, the inclusion of the Kuskokwim Inn complex would stop their present discharge into the lake located behind the Inn. Funds would also be made available for the upgrading of sewage lift stations in the Alaska Housing Authority complex, the sewer line from the old hospital to the new hospital across the highway.

Total amount of the funds for these items is $325,000.

LOWER KALSKAG - VILLAGE SAFE WATER AND SOLID WASTE FEASIBILITY STUDIES

The City of Lower Kalskag is presently dumping its raw sewage directly into the Kuskokwim River. This study would provide the basis for determining the method to correct this problem under the Village Safe Water Program. In addition, there is a need to complete water and sewage lines to new housing within the city.

CHIGNIK WATER + SEWER STUDY

Legislative Requests

WATER AND SEWER SYSTEM

Under the present conditions most of the village is without water and sewer during the winter months. We were told to go to our legislators with this problem as the PHS has used up their funds for the fiscal year.

We feel this a priority for Health as well as safety reasons. Safety reasons being that at present during the winters the village is without fire protection.

SATELLITE TELEVISION

If it is at all possible we would like this to be included with the Earth Station priority.

We feel we are very uninformed when it comes to current news and State and Federal politics. Being in a remote area as we are, satellite communications could help us to vote intelligently on important elections and issues. It could also serve to be very educational.

COMMUNITY CENTER

This building would be used to hold organizational meetings, village meetings and village activities.

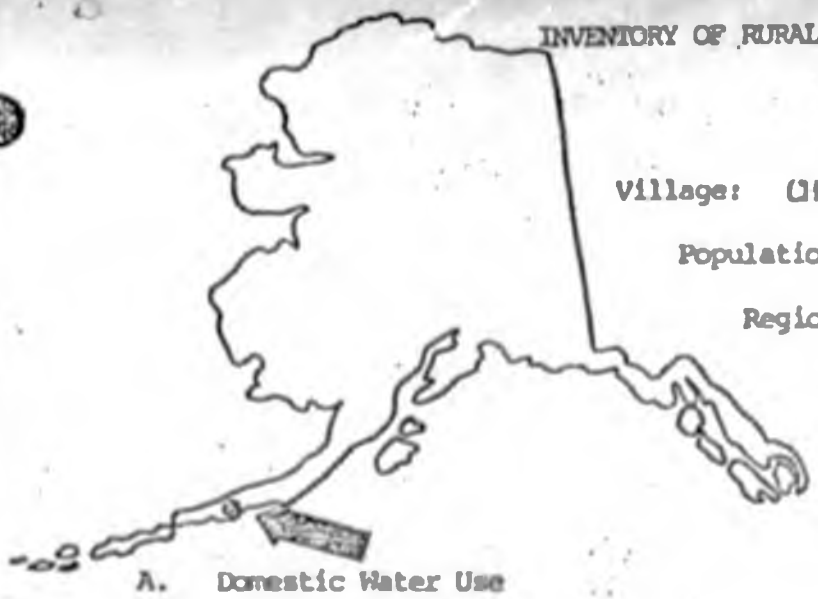
We would also be able to use the building for a day-care facility, a teenage center.

HYDRO-ELECTRIC POWER

There was a preliminary study done on hydro-electric power for the Chignik area. Chignik Bay was one of the areas where hydro-electric power was considered very feasible.

We would like to have a very indepth study done of this project. As we all know the cost of fuel is rising very rapidly and our village will not be able to keep up with the expense.

These are our most urgent needs that we feel will upgrade present living conditions in our community.



INVENTORY OF RURAL SANITATION SERVICES

FEB / 1980
Month Year

Village: CHIGNIK BAY

Population: 73 Class: UNINCORPORATED

Region: BRISTOL BAY CORPORATION

Number of Homes: 15

I. WATER SUPPLY

A. Domestic Water Use

Present Supply: DAM ON MOUNTAIN STREAM/ PIPED SERVICE TO THE HOMES/ONLY WORKS IN SUMMER/

Adequacy of Present Supply: UNTREATED SURFACE SOURCE BUT GOOD TASTING DRINKING WATER FROM STREAM/QUALITY IS Fe .01 ppm/ HARDNESS 14 ppm/TDS 18 ppm/ TRANSMISSION LINE LEAKS

Planned Improvements in Water Supply: NONE

History of Water Supply Projects: VILLAGE OF CHIGNIK BAY BUILT DAM TO ACCOMMODATE CANNERY OPERATION

B. Industrial & Institutional Use

Describe Use	Present Supply	Adequacy
SCHOOL	SHALLOW WELLS - 15' to 25' DEEP	GOOD TASTING DRINKING WATER
CLINIC	VILLAGE RESERVIOR	SEE ABOVE

II. WASTE DISPOSAL

A. Solid Waste Disposal Method(s): DUMP SITE AT CANNERY/YEAR ROUND ACCESS/ INDIVIDUALS COLLECT AND DISPOSE OF SOLID WASTE/INDISCRIMINATE DUMPING

B. Domestic Sewage Disposal Method(s): FLUSH TOILETS TO SEPTIC TANKS/SURFACE PITS/ SEVERAL PRIVIES

C. History of Waste Disposal Projects: NONE

Planned Improvements in Waste Disposal: NONE

E. Industrial and Institutional Sewage Disposal Methods:

User	Method
SCHOOL	SEPTIC TANK
CANNERY	SEPTIC TANK
	SOIL IS POOR FOR SEPTIC TANKS/HIGH WATER TABLE ALSO NOTED

F. Other Contamination: NONE

III. FLOODING & EROSION

A. Flooding

Type of Flooding: STREAM OVERFLOW/ COASTAL FLOODING/LOCAL TSUNAMI/ TELESEISMIC TSUNAMI

Frequency: LESS THAN ONE IN 100 YEARS

Severity: 50%

B. Erosion

Type of Erosion: NO PROBLEM

Severity:

IV. ADDITIONAL INFORMATION

A. Population Trend (up, down or stable) STABLE

B. Seasonal Population Changes: FISH CAMPS

C. Power & Fuel:

Source(s) & Costs of Electricity: 400 kw GENERATOR/CANNERY PROVIDES SERVICE TO 24 HOMES

Fuels Available and Costs: GAS $1.34 GALLON/DIESEL $1.16

D. Type of Commercial Transportation: AIR SERVICE/BARGE SERVICE

E. Economic Factors:

Sources of Village Revenue: FEDERAL REVENUE SHARING

Personal Income (per capita): NO DATA

Sources: private employment _____% public employment _____%

public assistance _____%

F. Planned Housing and Other Capital Projects: NONE

Rep. Sutcliffe - District 15

Water, Sewer, Solid Waste, Erosion Projects

1. Chignik (Bay) Village water and sewer improvements

Most of the village is without water and sewer in the winter months. This is fire hazard as well as an inconvenience. A 50,000 dollar grant to the Dept. of Enviormental Conservation will produce the plans and specs for the construction of improvments.

2, Chignik Lagoon - Solid waste disposal facilities

Lack of suitable disposal facilities is creating a health hazard with respect to both disease and bears.

A grant is needed to construct a dump site, access, and incinerator. Incinerator cost is estimated by DEC at 25,000.

3. King Cove Harbor Access road repairs

The Corps of Engineers built an access road to the King Cove boat harbor which is now eroding badly and threatening access to the harbor. Recent high tides and high winds have led to flood conditions and traffic to the harbor has detoured through the schoolyard. Rebuilding and raising of the harbor access road will require an amount of approximately $400,000.

4. Karluk erosion (see inclosed sheet)

5. Sand Point Erosion

An erosion problem exists on the State road from the Sand Point airport to the village. Approximately $300,000 is required to cover a shortfall in DOT funds for repair of the road and to construct dam and fish ladder improvments caused by the erosion.

ect Title	Location (s)	Election Districts Served	Start Date	Completion Date
Emmonak Water and Sewer Feasibility (2)	Emmonak (3)	18	(4) FY 82	(5)

(6) AGENCY REQUEST			(7) Operational Cost & No. Personnel Increase – (Decrease)		First Operating Year ____	Ultimate Annual Year ____	GOVERNOR'S REQUEST Approved	Deferred	Disapproved
02	Federal Receipts		Funding Source	Federal Receipts			1002	Federal Receipts	
03	G/F Match			General Fund			1003	G/F Match	
04	General Fund						1004	General Fund	
05	I/A Receipts						1005	I/A Receipts	
	G.O. Bonds		Total Annual Operational Cost					G.O. Bonds	
			Position (FTE)						
			Previous Year-Priority	Agency Priority		Governor's Priority			
	Total							Total	

PROJECT DESCRIPTION (8)

Funding is requested to study the feasibility and design of constructing a water and sewer sytem in the City of Emmonak.

Currently, the City has a centralized watering facility, with coined bathing and washers and dryers and a honey bucket sewage system. (EPA facility)

EGISLATIVE MEMBER'S SIGNATURE:

CATEGORY (9) NRMEC

AGENCY Dept. of Envir. Conservation

PROGRAM

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Revised Date

FY 82

5 LEGISLATIVE REQUEST
PROPOSED CAPITAL

INVENTORY OF RURAL SANITATION SERVICES

MAR / 1981
Month / Year

Village: EMMONAK

Population: 545 Class: 2ND

Region: CALISTA CORPORATION

Number of Homes: 93

I. WATER SUPPLY

A. Domestic Water Use

Present Supply: EPA ALASKA VILLAGE DEMONSTRATION PROJECT CENTRAL FACILITY/ WATERING POINT BATHING AND LAUNDRY/ SERVICE TO THE HOMES PROVIDED BY HAUL SYSTEM/RAIN AND ICE WATER ALSO USED

Adequacy of Present Supply: CHEMICAL QUALITY OF WATERING POINT IS Fe .09 ppm/CL 13 ppm/HARDNESS 158 ppm/TDS 278 ppm

Planned Improvements in Water Supply: NONE IN IMMEDIATE FUTURE

History of Water Supply Projects: SUPPLY IS GOOD WHEN SYSTEM IS OPERATING BUT BROKEN HAUL VEHICLES IS A CONTINUING PROBLEM/NOV 1978 EPA ENDED FINANCIAL AND TECHNICAL SUPPORT OF FACILITY

B. Industrial & Institutional Use

Describe User	Present Supply	Adequacy
SCHOOLS (2)	WATER PIPED FROM AVDP	SEE ABOVE
CLINIC	HAUL SYSTEM	HAUL SYSTEM UNDEPENDAB
STORE	HAUL SYSTEM	VEHICLES BREAKDOWN
CHURCHES (2)	HAUL SYSTEM	VEHICLES BREAKDOWN

II. WASTE DISPOSAL

A. Solid Waste Disposal Method(s): INDISCRIMINATE DUMPING ALONG KWIGUK AND YUKON RIVERS

B. Domestic Sewage Disposal Method(s): HONEY BUCKETS DUMPED ON OPEN GROUND/ VILLAGE WILL TRY TO OPERATE 265 GALLON TRUCK FOR COLLECTION OF DOMESTIC SEWAGE/EPA SEWAGE TREATMENT PLANT NOT WORKING/PUMPS OUT/SEWAGE HAUL VEHICLE BROKEN DOWN/UNTREATED SEWAGE DISCHARGED INTO YUKON RIVER

C. History of Waste Disposal Projects: NO DATA

D. Planned Improvements in Waste Disposal: NONE AT THIS TIME

E. Industrial and Institutional Sewage Disposal Methods:

User	Method
STATE SCHOOL	PIPED TO AVDP/FROZE UP
SCHOOL	PRIVIES
STORE	HONEY BUCKETS
CLINIC	HONEY BUCKETS
CHURCH	HONEY BUCKETS
FREEZER SHIPS	HONEY BUCKETS

F. Other Contamination: WASTES FROM COMMERCIAL SALMON FISHERY MAY BE A PROBLEM

III. FLOODING & EROSION

A. Flooding

Type of Flooding: ICE JAMMING/STREAM OVERFLOW/HIGH FLOOD HAZARD

Frequency: 1-5 YEARS

Severity: 80-100%

B. Erosion MINIMAL PROBLEM

Type of Erosion:

Severity:

IV. ADDITIONAL INFORMATION

A. Population Trend (up, down or stable) UP

B. Seasonal Population Changes: POPULATION INCREASES BY 150 IN SUMMER DUE TO FISHING

C. Power & Fuel:

Source(s) & Costs of Electricity: AVEC 300 kw/$.37 kwh WITH $18.20 MONTHLY MINIMUM

Fuels Available and Costs: OIL $1.10/GASOLINE $1.20/45,000 GALLON BULK OIL & GAS STORAGE TANKS

D. Type of Commercial Transportation: BARGE/PLANE

E. Economic Factors:

Sources of Village Revenue: 2% SALES TAX/FEDERAL & STATE REVENUE SHARING

Personal Income (per capita):

Sources: private employment _____% public employment _____%

public assistance _____%

F. Planned Housing and Other Capital Projects: NONE

(1) Project Title	(2) Location(s)	(3) Election Districts Served	(4) Start Date	(5) Completion Date
Water supply and distribution system improvements	Unalaska	15		

(6) AGENCY REQUEST			(7) Operational Cost & No. Personnel Increase -- (Decrease)		First Operating Year ____	Ultimate Annual Year ____	GOVERNOR'S REQUEST Approved	Deferred	Disapproved
1002	Federal Receipts		Funding Source	Federal Receipts			1002	Federal Receipts	
1003	G/F Match			General Fund			1003	G/F Match	
1004	General Fund	862.0					1004	General Fund	
1005	I/A Receipts						1005	I/A Receipts	
	G.O. Bonds		Total Annual Operational Cost					G.O. Bonds	
			Position (PTE)						
			Previous Year Priority	Agency Priority		Governor's Priority			
	Total							Total	

PROJECT DESCRIPTION (8)

The project includes the following items of work:

1. Installation of automatic chlorinator and booster pump in existing Pyramid Creek filterhouse. The existing chlorinator and recently installed booster pump is inadequate for the high flows which will be expected during the 1981 seafood processing season. $28.0
2. Installation of large intake screens at the intake dams on Pyramid Creek and on Unalaska Creek. The existing intake screens on the dams do not have adequate intake area and plug up with leaves and debris because of the high velocity through the intake screens. $30.0
3. Removal of 1,060 l.f. of 16" wood stave and replace with 24" ductile iron pipe on Pyramid Creek. The existing 16" wood stave pipe downstream from the dam is leaking badly and two trestles located at Sta. 80+35 and Sta. 74+50 are sagging and on the verge of collapse. The two trestles should be replaced with culverts and earthfill so that the pipe may be buried across each of two open areas. $451.0
4. Installation of pressure relief valve in Pyramid Creek lines near Sta. 79+40. A pressure relief valve is needed in the Pyramid Creek waterline in this general area to prevent overpressurization and destruction of the wood stave waterline in the event the pressure relief valve at the Pyramid Creek filterhouse malfunctions. $30.0
5. Construction of bypass around Pyramid Creek pressure break. The existing pressure break is constructed so that excess water will be wasted into Veronica Lake with the chlorination equipment operating in the Pyramid Creek filterhouse. $22.0
6. Installation of strainers in front of all commercial meters. Sand, dirt and debris existing in the waterlines have caused considerable damage to the water meters for the seafood processors. $28.0
7. Leak detection and repair. Observation of the two water meters in the filterhouses during periods of low demand indicate that in excess of 3,000,000 gallons per day is leaking from the water supply system. $100.0 Administrative, legal, engineering costs: $172.4 TOTAL: $862.0

LEGISLATIVE MEMBER'S SIGNATURE: _____

CATEGORY (9) _____

AGENCY _____

PROGRAM _____

Page ____ of ____

Revised Date

FY 82

35 LEGISLATIVE REQUEST PROPOSED CAPITAL PROJECT

INVENTORY OF RURAL SANITATION SERVICES

FEB / 1980
Month Year

Village: UNALASKA

Population: 725 Class: 1ST

Region: ALEUT CORPORATION

Number of Homes: 62

I. WATER SUPPLY

A. Domestic Water Use

Present Supply: 2 SURFACE SOURCES/DAM/RESERVOIR/BURIED PIPES/PIPED SERVICE TO THE HOMES/MILITARY INSTALLED SYSTEM CIRCA WW II/2 BACKUP WELLS

Adequacy of Present Supply: SOMETIMES CONTAMINATED/CL/FL/FILTRATION Fe .01 ppm/HARDNESS 3 ppm/TDS 25 ppm

Planned Improvements in Water Supply: FHS PROPOSES TO SERVE 20 NEW HUD HOUSES IN 1980

History of Water Supply Projects: COMMUNITY HAS SUCCESSFULLY OPERATED AND MAINTAINED THEIR OWN FACILITY SINCE 1940

B. Industrial & Institutional Use

Describe User	Present Supply	Adequacy
SCHOOL	COMMUNITY SUPPLY	SEE ABOVE
STORE	COMMUNITY SUPPLY	SEE ABOVE
CLINIC	COMMUNITY SUPPLY	SEE ABOVE
HOTEL	COMMUNITY SUPPLY	SEE ABOVE
PROCESSOR SHIPS	COMMUNITY SUPPLY	SEE ABOVE

II. WASTE DISPOSAL

A. Solid Waste Disposal Method(s): VILLAGE USES INDIVIDUAL PLASTIC CONTAINERS ON STEEL STANDS/COLLECTED TWO TIMES WEEKLY/DUMP SITE 3 MILES S.W. OF TOWN/SOIL CONDITIONS PROHIBIT ESTABLISHMENT OF LAND FILL SO GRAVEL PIT WILL BE USED

B. Domestic Sewage Disposal Method(s): SEPTIC TANKS/SEEPAGE PITS

C. History of Waste Disposal Projects: SEVERAL SEPTIC TANKS ARE FAILING/TOO MANY TOO CLOSE TOGETHER

D. Planned Improvements in Waste Disposal: DESIGN OF PRIMARY STP AND SYSTEM IN PROGRESS FUNDED BY STATE GRANT/PRIMARY TREATMENT TO BE INSTALLED BY PHS FOR NEW HOUSES

E. Industrial and Institutional Sewage Disposal Methods:

User	Method
EAST POINT FISH PROCESSORS DUMP INTO WATER AND CREATE NUISANCE WITH RATS ENFORCEMENT ACTION IS UNDERWAY	

F. Other Contamination: MODERATE RODENT PROBLEM IN VILLAGE

III. FLOODING & EROSION

A. Flooding

Type of Flooding: COASTAL FLOODING/TELESEISMIC TSUNAMI/LOCAL TSUNAMI

Frequency: 40-60 YEARS

Severity: 20%

B. Erosion

Type of Erosion: BEACH

Severity: 2' PER YEAR IS LOST

IV. ADDITIONAL INFORMATION

A. Population Trend (up, down or stable): UP

B. Seasonal Population Changes: FLUCTUATES DURING CRAB SEASON - SEPTEMBER THROUGH JUNE

C. Power & Fuel:

Source(s) & Costs of Electricity: CITY OWNED kwh & 1-100 kwh/PRIVATE GENERATORS ALSO/$.13/kwh
Fuels Available and Costs:

D. Types of Commercial Transportation: REEVE AIR SERVICE/BARGE

E. Economic Factors:

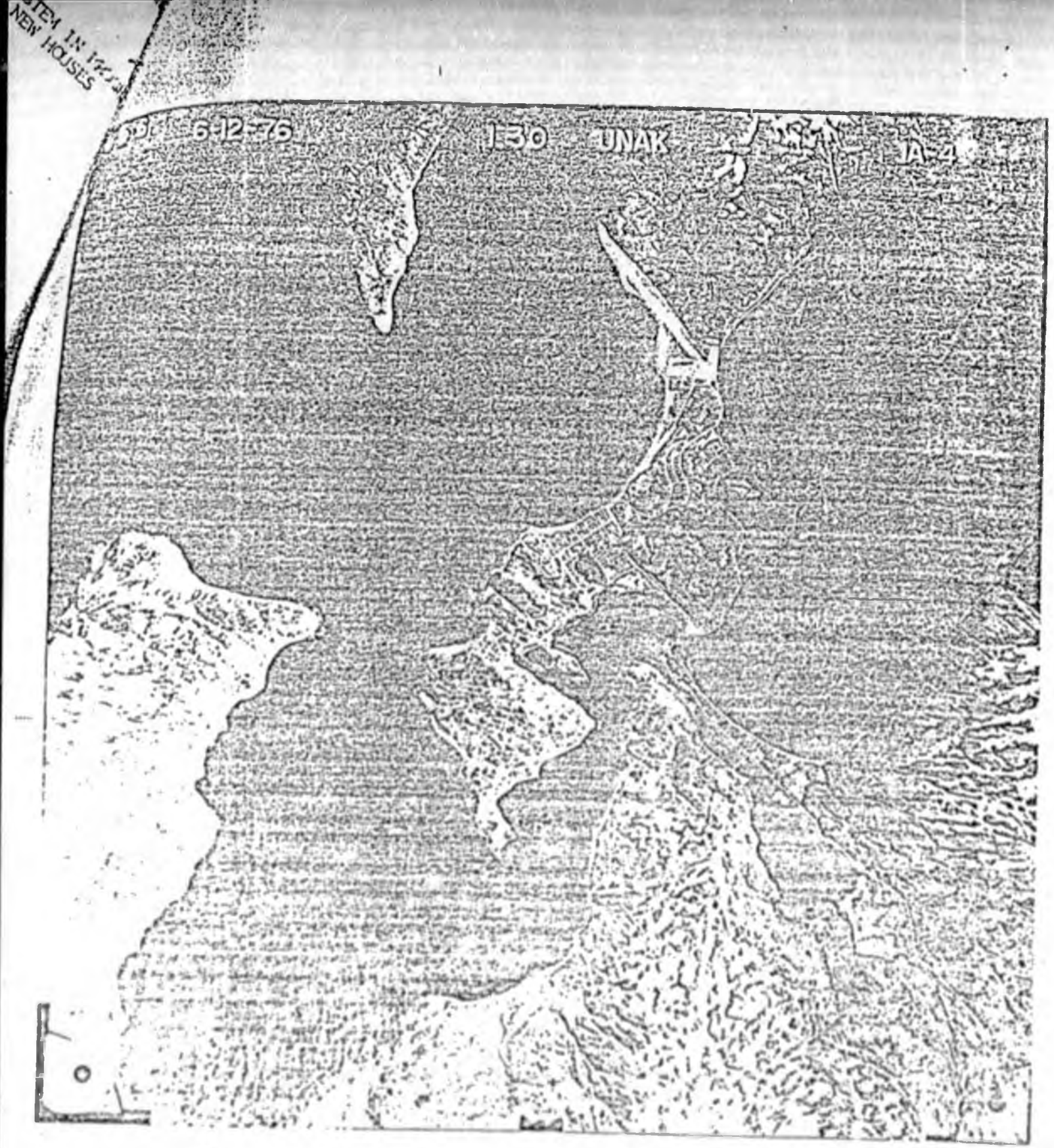
Sources of Village Revenue: FEDERAL & STATE REVENUE SHARING/1% SALES TAX

Personal Income (per capita):

Sources: private employment _____% public employment _____%

public assistance _____%

F. Planned Housing and Other Capital Projects: HUD PLANS 20 NEW HOUSES IN 1980/ BRIDGE UNDER CONSTRUCTION TO DUTCH HARBOR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BEYER
ENGINEERING

February 11, 1981

City of Unalaska
P.O. Box 89
Unalaska, AK 99685

Attn: Mr. Jesse Burton
City Manager

Re: Water Supply and Distribution System
1981 Construction

Dear Mr. Burton:

In accordance with our contract, we are transmitting the recommended items of work and the cost estimate for the 1981 construction season. We feel that the items of work listed are absolutely necessary in order to ensure that the City of Unalaska and the seafood processors will continue to receive a safe and adequate supply of water for the 1981 processing season.

We have not included any work for strainer or chlorinator equipment in the Unalaska Creek filterhouse for this 1981 season. We understand that both the strainer and the chlorinator are working properly in this filterhouse. If this is not the case, then we can add these items of work to our 1981 list.

This list of work recommended for the 1981 construction season is to be considered only a first step in rebuilding and improving the Unalaska Water Supply and Distribution System. Wood stave pipe normally has a life span of about 35 years. Most of the wood stave pipe at Unalaska is in excess of 40 years old and has surpassed its useful life span. The replacement of the wood stave pipe, construction of storage, water supply wells, and new filterhouses will be included in our forthcoming Water System Master Plan. This master plan will included recommended phase construction and a cost estimate for each recommended phase.

We would appreciate your critical review and comments concerning our recommended 1981 items of work. We can revise or add to this list as needed if we have missed or otherwise omitted some critical work items.

Please feel free to contact us if there are any questions or comments.

Very truly yours,

BEYER ENGINEERING

Marvin Beyer

Marvin Beyer, P.E.
Principal Engineer

lmg
Enclosure

CITY OF UNALASKA

WATER SUPPLY AND DISTRIBUTION SYSTEM

1981 CONSTRUCTION

The following items of work are recommended for construction during the 1981 construction season:

1. Install automatic chlorinator and booster pump in existing Pyramid Creek filterhouse. The existing chlorinator and recently installed booster pump is inadequate for the high flows which will be expected during the 1981 seafood processing season. We recommend that the following chlorination equipment be installed:

   V-800 Wallace & Tiernan Chlorinator
   3 hp booster pump
   Automatic control from propeller meter
   Piping and valves for water and chlorine solution
   Electrical starter and chlorine heater, 30 watts
   Two (20) 150 watt heat lamps

   ESTIMATED CONSTRUCTION COST: $ 28,000

2. Install large intake screens at the intake dams on Pyramid Creek and on Unalaska Creek. The existing intake screens on the dams do not have adequate intake area and plug up with leaves and debris because of the high velocity through the intake screens. We recommend that an intake screen be constructed and installed in each site that would have an intake area of between 50 and 75 sq. ft. This intake screen could be constructed with larger screen openings near the bottoms so that floating debris would not clog the screen and restrict water flow into the intake pipe.

   ESTIMATED CONSTRUCTION COST: 2 screens at $15,000/ea. = $ 30,000

3. Remove 1,060 l.f. of 16" wood stave and replace with 24" ductile iron pipe on Pyramid Creek. The existing 16" wood stave pipe downstream from the dam is leaking badly and two trestles located at Sta. 80+35 and Sta. 74+50 are sagging and on

the verge of collapse. The collapse of either one of these trestles would stop the water supply from Pyramid Creek. The two trestles should be replaced with culverts and earthfill so that the pipe may be buried across each of these two open areas. Some rerouting of pipe may be possible after the topographic survey of the area has been made so the length of the line could be considerably shortened. The construction cost estimate for removing and replacing this pipe is as follows:

a.	Reconstruct access road to Pyramid Creek Road Dam:	$ 50,000
b.	Furnish and install 1,060 l.f. of 24" D.I. pipe @ $350.00:	371,000
c.	Install culvert and fill to replace trestle-2 @ $15,000:	30,000
	TOTAL CONSTRUCTION COST ESTIMATE, THIS ITEM:	$451,000

4. Install pressure relief valve in Pyramid Creek lines near Sta. 79+40. A pressure relief valve is needed in the Pyramid Creek waterline in this general area to prevent overpressurization and destruction of the wood stave waterline in the event the pressure relief valve at the Pyramid Creek filterhouse malfunctions. This pressure relief valve would be constructed in an 8" branch line with a discharge into Captain's Bay. The relief valve would only open when the pressure in the main 16" line became great enough to cause damage to this 40 year old wood stave pipe. The work required is to install a 16" x 8" tee in the existing 16" wood stave line, install a pressure relief in a manhole and 8" discharge line.

   CONSTRUCTION COST ESTIMATE: $ 30,000

5. Construct bypass around Pyramid Creek pressure break. The existing pressure break is constructed so that excess water will be wasted into Veronica Lake with the chlorination equipment operating in the Pyramid Creek filterhouse. This waste of chlorinated water would become quite expensive.