CITY OF ANCHORAGE WATER UTILITY

CAPITAL IMPROVEMENT PROGRAM

Years 1972 through 1977

SUMMARY OF INDIVIDUAL CAPITAL IMPROVEMENT PROGRAM PROPOSALS

1972-77 CAPITAL IMPROVEMENT PROGRAM

(1) Department Public Works (2) Division Water Utility

Name of Project	Prior			Year in Which Funding is Requested								
Subdivisions & Impr. Districts 900	Į.	Name of Project	1972	1973				1977				
Districts	1		f	1	1	1	1	•				
Districts	1	Subdivisions & Impr.		***************************************		<u> </u>	†					
New Connections 300			900	900	900	900	900	900				
3 Misc. Loop-Ties 90 90 90 90 90 90 90 9	2	New Connections	6			1	1	1				
4 USGS Watershed Study 50 50 50 50 50 50 50 5		Misc. Loop-Ties	;		3	3	1	I .				
S				3	1		(1				
New Meters		Upgrading of System	100	B .	1	3						
Treatment Plant			200	1	1	1	1					
Replace 24" Wood Stave S	7											
Stave	_		750	0	0	0	0	800				
9 "A" Street Extension 100 70 70 70 70 0 10 Auxiliary Power 15 15 15 15 15 15 15 15 15 15 15 15 15	8											
10					450	0	0	0				
Telemetering						1	70	0				
12							15	15				
13	L				1	3	10	10				
Projects			50	40	40	40	40	40				
14 New Reservoir 50 600 0 50 700 0	T.3											
15	7.4				1	1	•					
16 Seward Highway 100 100 50 0 0 0 0 17 Lake Otis Parkway 70 70 70 0 0 0 0 0 18 International Airport Expansion 50 50 50 50 50 50 50 5		ì			_		700	3				
International Airport Expansion 50 50 50 50 50 50 50 5		1			í		1	0				
International Airport Expansion 50 50 50 50 50 50 50 5					1	1	1	0				
Expansion 50 50 50 50 50 50 50 50 50 50 50 50 50			/0	70	70	0	0	0				
International Airport Road So 75 0 0 0 0 0 0 0 0 0	10		5.0	E 0	F.0	5.0	-					
Road	19		50	50	50	50	50	50				
20 Abbott Loop			50	75	^	0	_					
C' Street, 1st to	20					1	i .	I				
Whitney			· ·	130	130	U	U	U				
Expansion Warm Storage			50	0	0	0	^	_				
Storage	22		30	V	J	U	U	. 0				
Dowling Road			0	100	n	0	0	0				
Miscellaneous Requirements Debarr, Boniface to Bragaw Boniface Parkway, Debarr to 6th Ave. NEW REVENUE FEDERAL FUNDS BOND FUNDS AUTHORIZED OTHER DEPRECIATION 150 150 150 150 150 0 0 0 0 0 0 0 0 0	23		•					[
Requirements Debarr, Boniface to Bragaw Boniface Parkway, Debarr to 6th Ave. Requirements Debarr, Boniface to Bragaw Boniface Parkway, Debarr to 6th Ave. Requirements Depart to 6th Ave. Debarr, Boniface to Bragaw Debarr to 6th Ave. Debarr to					Ŭ	· ·	O	U				
Debarr, Boniface to Bragaw O 170 O 0 0 0 0 NEW REVENUE FEDERAL FUNDS BOND FUNDS AUTHORIZED OTHER DEPRECIATION			150	150	150	150	150	150				
Bragaw Boniface Parkway, Debarr to 6th Ave. NEW REVENUE FEDERAL FUNDS BOND FUNDS AUTHORIZED OTHER DEPRECIATION	25							1.00				
Debarr to 6th Ave. 0 0 150 0 0 0 NEW REVENUE FEDERAL FUNDS BOND FUNDS AUTHORIZED OTHER DEPRECIATION		Bragaw	0	170	0	0	0	n				
NEW REVENUE FEDERAL FUNDS BOND FUNDS AUTHORIZED OTHER DEPRECIATION	26				_			Ĭ				
FEDERAL FUNDS BOND FUNDS AUTHORIZED OTHER DEPRECIATION			0	0	150	0	0	0				
FEDERAL FUNDS BOND FUNDS AUTHORIZED OTHER DEPRECIATION												
BOND FUNDS AUTHORIZED OTHER DEPRECIATION			j									
OTHER DEPRECIATION		1										
DEPRECIATION		UNDS AUTHORIZED	1									
		IATION										
TOTAL								\				
	TOTAL											

CIP-1

Sheet 1 of

SUMMARY OF INDIVIDUAL CAPITAL IMPROVEMENT PROGRAM PROPOSALS

1972-77 CAPITAL IMPROVEMENT PROGRAM

(1) Department	(2)	Division	
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Prior		Year in Which Funding is Requested								
No.	Name of Project	1972	1973	1974	1975	1976	1977			
(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)			
27 28	Contingency Preliminary Ship	25	470	25	25	25	25			
	Creek Study*	50	50	0	0	0	0			
	*Funding for the future Source of Supply has not been included in this CIP.									
NEW R	EVENUE BOND FUNDS	520	3480	1785	925	1535	1535			
KEDEX	XKXXXXXXX CARRY OVER	500	0	0	0	0	0			
	FUNDS AUTHORIZED	1950 300	300	300	0 300	0 300	0 300			
1	-CONTRIBUTION IN AID	630	680	710	750	790	820			
TOTAL		3900	4460	2795	1975	2625	2655			
<u> </u>		1	<u> </u>	<u> </u>	<u> </u>	1	<u> </u>			

CIP-1

Sheet ² of

	(1)	Depart	ment and	Division		(2) Pr	oject Title			(3) Priority
CAPITAL PROJECT ESTIMA	TE Pub	lic Wor	rks-Wat	ter Utility	Cubdini	giong and	Tmolecular	L Dietaiet		Number
	Estimate	Est	imated nditure		New - Appropriation	sions and	,	d Requiremen		72-1
Estimated Cost by Object	Total Co	st to I	Dec. 31 (5)	19(6)	1972	19 <u>73</u> (8)	1974	19 <u>75</u> (10)	1976	1977
(13) Equip. (Moveable) (14) Land (15) Buildings (16) Other Improvements	5,400			, V	900	900	900	900	900	(12)
(17) Other	, 100				900	900	300	900	, 900	900
TOTAL (18) Estimated Cost by Fund Source of Funds Code Fund Title	5,400				900	900	900	900	900	900
						The second secon				
TOTAL				***************************************	Control of the Contro		***************************************	***************************************	***************************************	
(19) Gross Floor Area.		Sq. Ft.	(20) Bu	ilding Cost	per S q. Ft.	\$0(2	ll) Project	Status Code	0	
(22) Arch. and Eng. Fe										Contin-
(25) Effect on Operation	g Budget		M/Y	Salaries &	1	ther Objects		al Cost		venue
List Program(s) Affecte	:d:	19							†	
		Full Year							_	and a grantening distance. Such as the second of the second membranes are second or second or second or second

To provide water to new developments either by subdivision agreement or improvement district. Majority of funding for this project is to cover payment in lieu of assessment, whereby the developer builds the system and upon completion the system is turned over to the City with the City paying the difference between construction cost and assessment.

	-	(1) I	Department a	nd Division			(3) Priori Number			
CAPITAL PROJECT ESTIMA	TE	Publi	c Works-Wa	ater Utility	New Co	nnections				72-2
	Est	imated	Estimated Expenditur	Reappro- priations	New - Appro		Estimate	ed Requiremen	its	
Es ti mated Cost by Object	Tota	al Cost (4)		I DITALIONS	19 72	19 <u>73</u> (8)	19 <u>74</u> (9)	19 <u>75</u> (10)	19 <u>76</u> (11)	19
 (13) Equip. (Moveable) (14) Land (15) Buildings (16) Other Improvements (17) Other 	1,	800			300	300	300	300	300	300
TOTAL		800			300	300	300	300	300	300
(18) Estimated Cost by Fund Source of Funds Code Fund Title										
TOTAL						***************************************				
(19) Gross Floor Area	0.	Sc	į. Ft. (20)	Building Cost	per Sq.Ft.	\$0(21) Project	Status Code.	.NO	Contin
(22) Arch. and Eng. F	ees:	Amount	\$.5	(23) Pero	ent of Buil	lding Cost	.0%	(24) Est. Com	pletion :	
(25) Effect on Operati			M/Y	Salaries 8		other Objects		al Cost		evenue
List Program(s) Affect	ed:		.9				· .			AND THE PARTY OF T
		F	Tull					ti di tir kalinda daga daga daga da da		

This item is a contribution in aid to construction which provides for the initial costs of service connection material and labor.

	(1)	Department and	d Division			Priority			
CAPITAL PROJECT ESTIMA	TE Publ	ic Works-Wa	ter Utility	Miscel	laneous Lo	on-Tios		7	Number 2-3
	Estimate	Estimated	Reappro-	New - Appro	Laneous Loc	,	d Requiremen		<u> </u>
Estimated Cost by Object	Total Co		priations 19 (6)	priation 19 <u>72</u> (7)	19 <u>73</u> (8)	19 <u>74</u> (9)	1975	1976	1977
<pre>(13) Equip. (Moveable) (14) Land (15) Buildings (16) Other Improvements (17) Other</pre>	540			90	90	90	90	90	90
TOTAL (18) Estimated Cost by Fund Source of Funds	540	-		90	90	90	90	90	90
Code Fund Title		·				·			
TOTAL							-		-
(19) Gross Floor Area.									Contin-
		j		1 .			24) Est. Comp	oletion Dat	e.uing
	The Property of the Property o		Salaries &	Wages Ot	her Objects	Tota	al Cost	Reve	nue
proc trogram(s) Wilecte	[.	19							
		Full Year					and the state of t		and the second of the second o

Many small projects to be constructed as the need arises. Construction of these projects is required to eliminate long dead-end lines and to maintain adequate pressure as usage increases.

	(1)) Department and Division				(2) Project Title						(3) Pr:	
CAPITAL PROJECT ESTIMA	TE Pub	lic Wor	ks-Wat	er Utility	y USGS	S Wa	tershed S	tudy				Nur 72-4	<u>mber</u>
	Estimate	d Expe	imated nditure	Reappro-	New - A			E	stimated	Requiremen	ts		
Estimated Cost by Object	Total Co	st to 1	Dec. 31	priations 19(6)	priation 19 72 (7)		19 <u>73</u> (8)	19	74 (9)	19 <u>75</u> (10)	19 <u>76</u> (11)		19
(13) Equip. (Moveable) (14) Land (15) Buildings (16) Other Improvements (17) Other	300				50		50		50	50	50		50
TOTAL (18) Estimated Cost by Fund Source of Funds Code Fund Title	300				50		50		50	50	-50		50
TOTAL													
(19) Gross Floor Area (22) Arch. and Eng. F												Co	ntiı
(25) Effect on Operati			M/Y	Salaries &			her Objects	T		l Cost	1	evenue	
List Program(s) Affect	ed:	19					***************************************						700000000000000000000000000000000000000
		Full Year								nadala ya nasaya ka aka aka aka aka aka aka aka aka a		The second section of the section of the second section of the section of the second section of the section of the second section of the section of th	

Funding required for City's share of comprehensive studies being performed by the U.S. Geological Survey. In these studies, proper and necessary guidelines will be developed enabling the City to use its watershed in the most expedient manner while not over using its supply of water.

	(1)	Departme	nt and	Division			(2) Pro	ject Title			(3)	Priority
CAPITAL PROJECT ESTIMA	TE Publ	ic Work	:s-Wat	ter Utility	Upa	ardi	.ng of Syst	-em	and the second s		72-	Sumber 5
	Estimated	Estim	ated		New - Ap	ppro			d Requiremen	ts	12-	- 3
Stimated Cost by Object	Total Cos (4)	t to De		19	1972		19 <u>73</u> (8)	19 <u>74</u> (9)	19 <u>75</u> (10)	19 <u>76</u> (11)		1977
13) Equip. (Moveable) 14) Land 15) Buildings 16) Other Improvements 17) Other	600			, v	100		100	100	100	100		100
TOTAL (18) Estimated Cost by	600				100		100	100	100	100		100
(18) Estimated Cost by Fund Source of Funds Code Fund Title)
TOTAL		-										
(19) Gross Floor Area.												 Contin-
(22) Arch. and Eng. Fe	3	i i	1					.0% (24) Est. Com	pletion I)ate.	uing
(25) Effect on Operatir List Program(s) Affecte		19	M/Y	Salaries &	Wages	0t	her Objects	Tot	al Cost	Re	evenue	e
		Full Year									Productive and Productive Schools	

Removal and replacement of wood-stave and other substandard mains in the system in conformance with the Tryck-Nyman & Hayes comprehensive study. There are many small projects to be constructed on a continuing basis as the need arises.

	(1)	Department an	d Division		****	(2) Pro	oject Title		·	(3) Priority
CAPITAL PROJECT ESTIMA	TE Publi	c Works-Wat	er Utility	New	v Met	ers		·w		<u>Number</u> 72-6
	Estimated	Estimated Expenditure	Reappro- priations	New - A priati			Estimate	d Requiremen	ts	_
E sti mated Cost by Object	Total Cos (4)			1972		19 <u>73</u> (8)	19 <u>74</u> (9)	19 <u>75</u> (10)	19 <u>76</u> (11)	19 <u>77</u> (12)
(13) Equip. (Moveable) (14) Land (15) Buildings (16) Other Improvements (17) Other	700			200		100	100	100	100	
TOTAL (18) Estimated Cost by Source of Funds Code Fund Title	700			200		100	100	100	100	100
TOTAL										
(19) Gross Floor Area		q. Ft. (20) Bu	uilding Cost	per Sq.1	Ft. \$	0(2	21) Project	Status Code.	No	
(22) Arch. and Eng. F	ees: Amoun	\$0	(23) Pero	cent of	Build:	ing Cost	0,% (24) Est. Comp	pletion I	Contin- Date Wing
(25) Effect on Operati	1	M/Y	Salaries 8	1		ner Objects		al Cost		evenue
List Program(s) Affect	ed:	.9							<u> </u>	
	b	oll Year				***************************************				A CANADA SECTION OF THE PARTY O

Expenditure necessary for the provision and installation of new meters as per the meter program whereby the City furnished the meters to 4-plex and larger units as well as commercial accounts.

	(1)	Department ar	nd Division			(3) Priority			
CAPITAL PROJECT ESTIMA	TE Publ:	ic Works-Water	Utility	Treatm	ment Plant Mod	ification		F	<u>Number</u> 72-7
	Estimate	Estimated	Reappro-	New - App	ro		ed Requiremen	nts	
Stimated Cost by Object	Total Co (4)		I ULIALIUMS	priation 1972 (7)	19 <u>73</u> (8)	1974	19 <u>75</u>	1976	1977
13) Equip. (Moveable) 14) Land 15) Buildings 16) Other Improvements 17) Other	1,550	0		750	0	o	0	0	800
TOTAL (18) Estimated Cost by	1,500	0	***************************************	750	0	0	0	0	800
Fund Source of Funds Code Fund Title								·	
TOTAL			45774 (\$100.00.00.00.00.00.00.00.00.00.00.00.00.		_				
(19) Gross Floor Area	0	Sq. Ft. (20) E	uilding Cost	per Sq.Ft.	. s((21) Project	Status Code.	DPC	
(22) Arch. and Eng. Fo	ees: Amou	nt \$10	(23) Pero	cent of But	ilding Cost	% (24) Est. Com	pletion D	ate
(25) Effect on Operation		1	Salaries 8		Other Objects		al Cost		venue
List Program(s) Affect	ed:	19							
		Full Year	The state of the s						en antitonia, per l'appro de la destinación de l'appropriation

Modification and expansion of water treatment facilities to meet future demand. Phase I will be modification at Treatment Plant to 30 MGD capacity; and Phase II, to follow at a later date, involves the addition of two filter banks.

s en	<u> </u>	1) Depart	ment and	Division			(2) Pro	oject Title			(3) Priority
CAPITAL PROJECT ESTIMA	TE P	ublic Wor	ks-Water	Utility	Re	eplace	ement 24" Wo	od-Stave Ma	in		<u>Number</u> 72-8
	Estima	ted Expe	imated enditure	Reappro- priations	New - A priati	;		Estimate	d Requiremen	nts	
Estimated Cost by Object	Total (4	ŧ	Dec. 31 (5)	19	1972	1972	19 <u>73</u> (8)	19 <u>74</u>	19 <u>75</u> (10)	1976	1977
 (13) Equip. (Moveable) (14) Land (15) Buildings (16) Other Improvements (17) Other 	1,	350			450		450	450	0	0	0
TOTAL (18) Estimated Cost by	1,	350			450	<u> </u>	450	450	0	0	
Fund Source of Funds Code Fund Title											
TOTAL			~								
(19) Gross Floor Area	0	Sq. Ft.	(20) Bu	ilding Cost	per Sq.	Ft. \$	0(2	l) Project	Status Code.	PE	
(22) Arch. and Eng. F	ees: Am	ount \$2	5 <u></u> .	(23) Perc	ent of	Build	ing Cost	0	24) Est. Com	pletion I	Continuing
(25) Effect on Operati		1	M/Y	Salaries &			ner Objects		al Cost		evenue
List Program(s) Affect	ed:	19				***************************************					
		Full Year									reaching Principles and a second of the second of the second

Removal and replacement of 24" wood-stave main to meet the increased demand in the downtown area. Phases will be accomplished over several years with the existing wood-stave main replaced from the Treatment Plant facility to Fifth and Ingra.

	(1)	Department an	d Division			(3) Priority			
CAPITAL PROJECT ESTIMA	TE Public	: Works-Water	Utility	"A"	Street Exten	sion			Number 72-9
	Estimated	Estimated Expenditure	1	New - Appro priation	}	Estimate	d Requiremen	īs .	
Istimated Cost by Object	Total Cos (4)		i utiations i	19 <u>72</u>	19 <u>73</u> (8)	19 <u>74</u> (9)	19 <u>75</u> (10)	1976	1977
 [13) Equip. (Moveable) [14) Land [15) Buildings [16) Other Improvements 	380			100	70	70	70	70	0
17) Other	380			100					
TOTAL (18) Estimated Cost by Fund Source of Funds Code Fund Title	380			100	70	70	70	70	
TOTAL				****				,	
(19) Gross Floor Area									
(22) Arch. and Eng. F	ees: Amoun	t \$ 1 0	(23) Perce	nt of Buil	ding Cost	% (:	24) Est. Com	pletion I	Date.12/31/75
(25) Effect on Operati	ng Budget	M/Y	Salaries &	Wages C	ther Objects	Tota	al Cost	Re	evenue
List Program(s) Affect	ed:	19							
	1	Full Year							entre en

To meet recommendation of Fire Underwriters, it is necessary to enlarge the intertie across Chester Creek. This project will be completed in phases with the eventual completion at the main from 10/11 Alley to 44th Avenue.

	(1)	Department	and Division		(2) Projec	t Title			(3) Priority Number
CAPITAL PROJECT ESTIMA	TE Publi	c Works-Wat	er Utility	Aux	iliary Powe	er			r	72-10
	Estimated	Estimate Expenditu		New - Ap		•	Estimated	Requirement	S	
	Total Cos	t to Dec.	31 19	priatio 19	19		9	19	19	19
Stimated Cost by Object	(4)	(5)	(6)	(7)	(8)		(9)	(10)	(11)	(12)
 (13) Equip. (Moveable) (14) Land (15) Buildings (16) Other Improvements (17) Other 	90			15	15	5	15	15	15	15
TOTAL (18) Estimated Cost by Source of Funds Code Fund Title	90			15	15	5	15	15	15	15
TOTAL										
(19) Gross Floor Area	. 0	Eq. Ft. (20)) Building Cost	per Sq.F	t. \$0	(21)	Project S	tatus Code	NO	
(22) Arch. and Eng. F	ees: Amou	nt \$O	(23) Per	cent of B	uilding Co	st0	% (2	4) Est. Comp	pletion D	ate 12/31/74.
(25) Effect on Operati	ng Budget	M/1	Y Salaries	& Wages	Other Ob	jects	Tota	l Cost	Re	evenue
List Program(s) Affect	ed:	19			A STATE OF THE PROPERTY OF THE	and the control of the field of the state of				
		Full							1	galageres, MP colliformation, splints for theory in 19 cm (1968; 1966; 1966; 1966).

(26) Project Description and Justification (Continue on additional sheets, same size)

To maintain power to wells and other facilities during a storm or disaster, temporary standby power generation units must be provided. For a well to be recognized in a fire rating by the Board of Fire Underwriters, standby power must be provided.

Year

	(1)	Department	and Division		(2) P	Project Title			(3) Priority
CAPITAL PROJECT ESTIMA	TE Publi	lc Works-Wate	er Utility	Tel	lemetering				Number 72-11
	Estimate	Estimate d Expenditu	d Reappro- re priations	New - Ap	- 1	Estimat	ed Requiremen	nts	
Istimated Cost by Object	Total Co (4)	st to Dec. (5)	31 1971 (6)	1972	19 <u>73</u> . (8)	1974	1975	1976	1977
 (13) Equip. (Moveable) (14) Land (15) Buildings (16) Other Improvements (17) Other 	100			50	10	10	10	10	10
TOTAL	100			50	_	10	10	10	_
(18) Estimated Cost by Fund Source of Funds Code Fund Title									
TOTAL									
(19) Gross Floor Area	0	Sq. Ft. (20)	Building Cost	per Sq.F	t. \$0	(21) Project	Status Code.	0	0
(22) Arch. and Eng. F	ees: Amou	nt \$) (23) Per	cent of Bi	uilding Cost	0%	(24) Est. Con	mpletion D	Continuing
(25) Effect on Operation	1				Other Object		tal Cost		venue
List Program(s) Affect	ed:	19				***************************************			
		Full Vear							alleren kalendering og det er i sterne og er

The complete program allows the Treatment Plant to remotely control the appurtenances to the system and to adjust flows in various locations to meet demands.

	(1) Depart	ment and	Division			(2) Pro	oject Title	***		3	Priority
CAPITAL PROJECT ESTIMA	TE Pu	blic Wo	rks-Wate	r Utility		New	Equipment				72-	Number 12
	Estimate	Est	imated enditure	Reappro- priations	New - A	pprof		Estimate	d R equire men	ts_	1	
Estimated Cost by Object	Total Co	ost to	Dec. 31 (5)	197	1972		19 <u>73</u> (8)	19 <u>74</u> (9)	19 <u>75</u>	19 <u>76</u>		19 <u>77</u> (12)
(13) Equip. (Moveable) (14) Land (15) Buildings (16) Other Improvements (17) Other	250				50		40	40 -	40	40		40
TOTAL (18) Estimated Cost by Fund Source of Funds Code Fund Title	250				50		40	40	40	40		40
Constitution of the consti		e enjimmë shqimmë shqim										
TOTAL		_		***************************************			Martin Color					
(19) Gross Floor Area	0	Sq. Ft.	(20) Bu	ilding Cost	per Sq.I	Ft. \$	0(2	l) Project S	Status Code.	PE		
(22) Arch. and Eng. F												ntinuing
(25) Effect on Operation		1	M/Y	Salaries 8	1		ner Objects		al Cost		evenue	
List Program(s) Affect	ed:	19					The state of the s		MATERIAL CONTRACTOR STANDARD			
		Full Year										annon in garrianning in its palagas scot

To upgrade and increase the communications equipment, the addition of radios are necessary. Also a new insulated utility van and boiler for steam thawing is needed. The van will be used by the connection crews in the summer construction season. Also to upgrade and replace equipment used in the shop, and allocation must be made.

	(1)	Departm	ent and	Division	(2) Project Title						(3) Priorit Number	у
CAPITAL PROJECT ESTIMA	TE Pub	lic Works	s-Water	Utility		Stat	te Highway P	'rojects			Mander -	
	Estimate	Esti Expen	mated diture	Reappro-	New - Appriation	,		Estimate	ed Requiremen	nts		,
stimated Cost by Object	Total Co	st to D	ec. 31 5)	priations 19 (6)	1972	J.11	19 <u>73</u> (8)	19 <u>74</u> (9)	1975 (10)	1976	1977	
13) Equip. (Moveable) 14) Land 15) Buildings									`			
16) Other Improvements17) Other	200	Haringen en e			50		50	25	25	25	25	
TOTAL (18) Estimated Cost by Fund Source of Funds	200				50		50	25	25	25	25	
Code Fund Title					in entre de la constant de la consta)
TOTAL												
(19) Gross Floor Area	0	Sq. Ft.	(20) Bu	ilding Cost	per Sq.I	Ft. \$	0	21) Project	Status Code	PPP		
(22) Arch. and Eng. F	Fees: Amount \$									Date	ng	
(25) Effect on Operati	ng Budget		M/Y	Salaries (& Wages	Ot	her Objects	Tot	al Cost	R	evenue	guardia e la cial del Compani
List Program(s) Affect	List Program(s) Affected: 19							Water-coop version follows				
		Full				o consideration de la cons					mine assertion of the section of the	

This project allows the Water Utility to stub-out from under proposed highway construction. The funding is appropriated to cover our share of the cost. There are various projects involved throughout the City of Anchorage.

Year

	(1)	Department	and Division			(2) Pr	oject Title		(3)) Priörit Numbar
CAPITAL PROJECT ESTIMA	TE Publ	ic Works-W	Nater Utility	y New	Rese	rvoir			72	2-14
	Estimate	Estimate d Expenditu		New - A	1		Estimat	ed Requiremen		
Estimated Cost by Object	Total Co	, .		19 <u>72</u> (7)		19 <u>73</u> (8)	19 <u>74</u> (9)	19 <u>75</u> (10)	19 <u>76</u> (11)	19_7
 (13) Equip. (Moveable) (14) Land (15) Buildings (16) Other Improvements (17) Other 	1,40	0		50)	600	0	50	700	0
TOTAL	1,40	0		50		600	0	50	700	
(18) Estimated Cost by Fund Source of Funds Code Fund Title										
TOTAL										
(19) Gross Floor Area (22) Arch. and Eng. F										
(25) Effect on Operati	ng Budget	M/Y	Salaries	& Wages	Othe	r Objects	To	tal Cost	Rever	nue
List Program(s) Affect	ed:	19				·				Management of the Control of the Con
•		Full Year						The state of the s	orrespond a section of the section o	Менеда и песнован учет у дузейн первого и просед с

To meet increased demands for fire protection and to maintain conformance with the comprehensive study done by Tryck-Nymand and Hayes, design and construction of a second 5 MG reservoir is due to proceed. Design of the reservoir is proposed for this year with construction to follow in 1973.

	(1)	Departmen	nt and	Division		***************************************	(2) Pro	ject Title			3) Priority Number
CAPITAL PROJECT ESTIMA	TE Pub	lic Works	- Wa	ater Utili	ty New N	Wel:	1				2-15
And the second control of the second control	Estimate	Estima Expend	ated		New - App priation	1		Estimațe	ed Requiremen	ts	1
Istimated Cost by Object	Total Co		. 31	priations 19 (6)	1972		19 <u>73</u> (8)	19 <u>74</u> (9)	19 <u>75</u> (10)	19 <u>76</u> (11)	19 <u>7'</u> (12
 (13) Equip. (Moveable) (14) Land (15) Buildings (16) Other Improvements (17) Other 	400				50		300	0	0	0	0
TOTAL (18) Estimated Cost by	400				50	_ _	300	0	0	0	
(18) Estimated Cost by Fund Source of Funds Code Fund Title			·								
TOTAL						_	• · · · · · · · · · · · · · · · · · · ·				
(19) Gross Floor Area	0,	.Sq. Ft. (20) Bu	ilding Cost	per Sq.Ft	. \$.		21) Project	Status Code.	P.P.C	
(22) Arch. and Eng. I	ees: Amo	int \$30.		(23) Per	cent of Bu	ildi	ing Cost	9%	(24) Est. Com	pletion Da	te.12/31/.
(25) Effect on Operati	ing Budge	:	M/Y	Salaries a	& Wages	Oth	er Objects	То	al Cost	Rev	enue
List Program(s) Affect	ed:	19									
		Full Year									agentelentring gargeten germannen den enster i men er

To upgrade the source of supply in the southeast area of Anchorage, another source of supply is needed. This well will be in the vicinity of the present well on the North Fork of Campbell Creek. The 1972 authorization would cover design of the well system with construction proposed for 1973.

	(1)	Department an	d Division		(2) Pro	ect Title		(3)	Priorit Number
CAPITAL PROJECT ESTIMA	TE Publ:	ic Works-Wat	er Utility	Seward	Highway	*****			-16
	Estimated	Estimated Expenditure		ew - Appro-		Estimate	d Requiremen	ts	4
Estimated Cost by Object	Total Cos	į *	priations 19	priation 19 <u>72</u> (7)	19 <u>73</u> (8)	19 <u>74</u> (9)	19 <u>75</u> (10)	19 <u>76</u> (11)	19 <u>7</u> (12
 (13) Equip. (Moveable) (14) Land (15) Buildings (16) Other Improvements (17) Other 	250			100	100	50	0	0	0
TOTAL	250			100	100	50	0	0	0
(18) Estimated Cost by Fund Cource of Funds Code Fund Title TOTAL									
(19) Gross Floor Area (22) Arch. and Eng. F									12/31/
(25) Effect on Operati			Salaries &		ther Objects		al Cost	Reven	
List Program(s) Affect		19				100		1100011	
	ľ	Ful1				***************************************	Maria Maria de Laguaga de Caractería de Cara		algogy interestation for providing to the temperature of

Year

To serve the needs of the area adjacent to the old and new Seward Highway and to bring the Water Utility in conformance with the comprehensive study by Tryck-Nyman & Hayes, main extensions and loop-ties are proposed.

	(1)) Departi	went and	Division		. (2) Project	t Title		1	Number
CAPITAL PROJECT ESTIMA	ATE PUBL	IC WOR	KS-Wate	er Utility	Lake	Otis Pa	rkway				-17
teritoria, e adolesia del como de contra de co	Estimate	Est	imated nditure	*********	New - App	1)	Estimate	d Requiremer	its	
Estimated Cost by Object	Total Co	st to	Dec. 31	priations 19 (6)	priation 19 <u>72</u> (7)	19 <u>73</u> (8)	- 1	9 <u>74</u> (9)	19 <u>75</u> (10)	19 <u>76</u> (11)	19 <u>77</u> (12
 (13) Equip. (Moveable) (14) Land (15) Buildings (16) Other Improvements (17) Other 					70	70		70	0	0	0
TOTAL	210				70	70		70	0	0	0
(18) Estimated Cost by Fund Source of Funds Code Fund Title											
TOTAL											
(19) Gross Floor Are	aQ	.Sq. Ft.	(20) Bu	ilding Cost	per Sq.Ft	\$0	(21)	Project.	Status Code.	P.P.C.	
(22) Arch. and Eng.	Fees: Amo	unt \$	<u> </u>	(23) Perc	ent of Bu	ilding Cos	st0.	% (24) Est. Con	npletion Date	1.2/31/
(25) Effect on Operat	ing Budge	t	M/Y	Salaries &	Wages	Other Obj	jects	Tot	al Cost	Rever	nue
List Program(s) Affec	ted:	19									-
		Full Year					***************************************		enemen utanananananan utana dan dan daharan daharan daharan dan daharan daharan dan daharan dan daharan dan daharan dan daharan dahara		language, sonie vere ver e sachte 1 brenstruken

To follow our comprehensive study for orderly development of the water system in the Anchorage Area, development in the area south of Dowling Road is proposed.

	(1)	Department an	d Division		(2) Pr	oject Title			(3) Prioxit Number
CAPITAL PROJECT ESTIMA	TE Publi	c Works-Wat		1		rport Expan	sion		72-18
• .	Estimate	Estimated Expenditure	1	New - Appro priation		Estimate	d Requiremen	cs ×	1
Estimated Cost by Object	Total Co	, ,	i orracrono i	19 <u>72</u> (7)	19 <u>73</u> (8)	19 <u>74</u> (9)	19 <u>75</u> (10)	19 <u>76</u> (11)	19_7
(13) Equip. (Moveable)(14) Land(15) Buildings(16) Other Improvements(17) Other	30,0			50	50	50	50	50	50
TOTAL,	300			50	50	50	50	50	50
(18) Estimated Cost by Fund Source of Funds Code Fund Title TOTAL									
(19) Gross Floor Area		_	-	•		· -			Contin
(22) Arch. and Eng. F	Tees: Amou	nt \$	(23) Perc	ent of Buil	ding Cost	······································	24) Est. Com	pletion Da	ateuing.
(25) Effect on Operati	ng Budget	M/Y	Salaries 8	Wages 0	ther Objects	Tot.	al Cost	Res	venue
List Program(s) Affect	ed:	19							
		Full Year						The second secon	haringhille film ggap, ye a marrar model (190) (More 24)

To meet expansion of facilities at the International Airport Complex, a continuing allocation is proposed. Various projects, main extensions, and loop-ties are proposed in this area.

CIP-II

		1) Departi	ment and	Division		(2) I	Project Title		• • • • • • • • • • • • • • • • • • • •	Priorit Number
CAPITAL PROJECT ESTIMA	TE F	ublic Wo	orks-Wa	ter Utilit	y Inter	national Ai	irport Road		,	-19
	Fatina	Est	imated	" Transpire	New - App	cof	Estimat	ed Requireme	nts	
Estimated Cost by Object	Estima Total (4	Cost to	nditure Dec. 31 (5)	priations 19 (6)	priation 19 <u>72</u> (7)	19 <u>73</u> (8)	19 <u>74</u> (9)	19 <u>75</u> (10)	19 <u>76</u> (11)	19 <u>7</u>
 (13) Equip. (Moveable) (14) Land (15) Buildings (16) Other Improvements (17) Other 	12.	5			50	75	0	0	0	0
TOTAL	125	<u>·</u>			50	75	0	0	0	0
Fund Source of Funds Code Fund Title TOTAL	۸.									
(19) Gross Floor Area (22) Arch. and Eng. F										
(25) Effect on Operati			M/Y	Salaries 8		Other Object		tal Cost	Reven	
List Program(s) Affect		19								
		Ful1			ن					AND RESIDENCE OF A SECURITY OF THE PARTY OF

To meet demands imposed by the International Airport Comples, a secondary source to supply this area is proposed. A loop-tie is proposed to tie into the existing main on International Airport Road.

	(1)	Department an	d Division		(2) Pro	ject Title			(3) Priority
CAPITAL PROJECT ESTIMA	TE Publ	ic Works-Wa	ter Utility	Abbot	t Loop				<u>Number</u> 72-20
	Estimated	Estimated Expenditure		ew - Appro priation	o t	Estimate	d Requiremen	ts	and the state of t
Estimated Cost by Object	Total Cos (4)			19 <u>72</u>	19 <u>73</u> (8)	19 <u>74</u> (9)	19 <u>75</u> (10)	1976	19 <u>77.</u> (12)
 (13) Equip. (Moveable) (14) Land (15) Buildings (16) Other Improvements (17) Other 	300			0	150	150	0	0	
TOTAL	300			0	150	150	0	l — o	
(18) Estimated Cost by Fund Source of Funds Code Fund Title									
TOTAL				**************************************	-	-	***************************************		
(19) Gross Floor Area.	0s	q. Ft. (20) Bu	uilding Cost pe	er S q. Ft.	\$0(2	l) Project (Status Code.	00	
(22) Arch. and Eng. Fe									
(25) Effect on Operatin		M/Y	Salaries & W	1	Other Objects		al Cost		venue
List Program(s) Affecte	ed:	19							
		Full Year							

No appropriation proposed for 1972. To follow the comprehensive plan by Tryck-Nyman and Hayes, a loop-tie is proposed to tie to north-south mains. This is proposed for 1973-1974.

		(1) De	epartment and	Division		(2) Pro	oject Title			Number
CAPITAL PROJECT ESTIMA	TE F	ublic	: Works-Wat	er Utility	"C" Str	eet, lst t	o Whitney		72	2-21
	Fetir	nated	Estimated Expenditure	Reappro	ew - Appro priation		Estimated	i Requiremen	ËS	
stimated Cost by Object	Total	Cost	to Dec. 31 (5)	priations 19 (6)	19 <u>72</u> (7)	19 <u>73</u> (8)	19 <u>74</u> (9)	19 <u>75</u> (10)	1 <u>9 76</u> (11)	19 <u>7</u> (12)
13) Equip. (Moveable) 14) Land 15) Buildings 16) Other Improvements 17) Other	50	١,	,		50	0	0	0	0	0
TOTAL	50 50)			50	0	0	0	0	0
(18) Estimated Cost by Fund Source of Funds Code Fund Title					•					
TOTAL		Najantaga da Wasan phane			•					
(19) Gross Floor Area	0	Sq	. Ft. (20) Bu	uilding Cost [er Sq.Ft.	\$Q(21) Project	Status Code.	.00	
(22) Arch. and Eng. F	ees:	Amount	\$0	(23) Perce	ent of Buil	ding Cost	9% (24) Est. Com	pletion Dat	e.12/31/
(25) Effect on Operati	ing Bu	dget	M/Y	Salaries &	Wages 0	ther Objects	Tot	al Cost	Revo	nue
List Program(s) Affect	ed:	1.	9							
·		F	ull					***************************************		Andreas - consistency - copyed in the copyed of

This project was proposed for this year but was deleted due to delays in street rerouting plans. This project is proposed to provide another tie with facilities north of Ship Creek.

	(1)	(1) Department and Division (2) Project Title) Priority
CAPITAL PROJECT ESTIMAT	E Dubli	c Works-Wa	ter Utilitv						Number
	Estimated	Fstimated	Reappro- 11	New - Appro priation	on Warm S	ts /2	2-22		
Estimated Cost by Object	Total Cos (4)	to Dec. 31 (5)	19	1972	19 <u>73</u> (8)	19 <u>74</u>	19 <u>75</u>	19 <u>76</u>	1977
(13) Equip. (Moveable) (14) Land (15) Buildings (16) Other Improvements (17) Other	100			0	100	0	0	0	0
TOTAL (18) Estimated Cost by Fund Source of Funds	100		***************************************	0	100	0	0	0	0
Code Fund Title									
TOTAL					***************************************		-		***************************************
(19) Gross Floor Area	.2500 .sc	. Ft. (20) Bu	ilding Cost	per Sq.Ft. \$	40(2	21) Project S	Status Code	. 00	
(22) Arch. and Eng. Fee	s: Amount	\$0	(23) Perce	ent of Build	ing Cost	0 % (2	24) Est. Comr	oletion Date	12/31/74
(25) Effect on Operating	Budget	M/Y	Salaries &	1	her Objects		al Cost	Reven	
List Program(s) Affected	!: <u> </u>	9			No. of the second		til ett film eft et state sinne		
	4	ull ear							PRINCES - African - In a collection following - I was declarated decreased

To provide a suitable storage area for equipment, which must be available for use at any time, a shelter must be provided. To assure proper working order and starting of engines in cold weather periods, a warm storage facility is necessary. Therefore, we propose an extension to our warm storage facility to allow us to store our expanding fleet of equipment.

CIP-II

	(1)	Department an	d Division		(3)	Priorit Number				
CAPITAL PROJECT ESTIMA	TE Publ	ic Works-Wat	er Utility	Dowling	Road Loop-	-Tie		72	72-23	
	Estimate	Estimated Expenditure	1	ew - Appro-		ıts				
Estimated Cost by Object	Total Co			priation 19 <u>72</u> (7)	19 <u>73</u> (8)	19 <u>74</u> (9)	19 <u>75</u> (10)	19 <u>76</u> (11)	19 <u>7</u> (12	
<pre>(13) Equip. (Moveable) (14) Land (15) Buildings (16) Other Improvements (17) Other</pre>	150 .			150	0	0	0	0	0	
TOTAL	150			150	0	0	0	0	0	
(18) Estimated Cost by Fund Source of Funds Code Fund Title TOTAL				•						
(19) Gross Floor Area (22) Arch. and Eng. H										
						ì		1		
(25) Effect on Operation Affect Program(s) Affect	The second of th		Salaries &	wages Ot	ther Objects	Tot	al Cost	Rever	iue	
List Program(s) Affect	-eu:	19			Make Super Constitution and Constitution		ar hegis ill termes que april de la constante			
		Full Year		To the state of th						

To provide service to areas along Dowling Road and to provide increased service to areas south of Dowling Road, a main loop-tie is proposed as this project is to extend to the old Seward Highway from Lake Otis Parkway along Dowling Road.

		(1) D	epartment and	Division		(2) Pro	ject Title	t Title			
CAPITAL PROJECT ESTIMA	TE]	Public	: Works-Wat	er Utility	Miscell	;	Number 72-24				
	Fati	mated	Estimated	**************************************	w - Appro-	Estimated Requirements					
Estimated Cost by Object	Tota	l Cost (4)	Expenditure to Dec. 31 (5)	priations F	19 <u>72</u> (7)	19 <u>73</u> (8)	19 <u>74</u> (9)	19 <u>75</u> (10)	19 <u>76</u> (11)	19_7	
<pre>(13) Equip. (Moveable) (14) Land (15) Buildings (16) Other Improvements (17) Other</pre>	901 :	0 •			150	150	150	150	150	150	
TOTAL	900	0			150	150	150	150	150	150	
(18) Estimated Cost by Fund Source of Funds Code Fund Title					•						
(19) Gross Floor Area (22) Arch. and Eng. I										Contin [.]	
(25) Effect on Operati			M/Y	Salaries & V		her Objects	1	al Cost		evenue	
List Program(s) Affect	Con-Administration of the Con-	1	9								
		1	ull ear		nganggana and displayed						

To provide funds for miscellaneous projects not otherwise covered by a specific item in the CIP, a allocation is proposed to cover these requirements. These projects can vary in scope and are unknown at this time.

	(1) Department and Division (2) Project Title							——————————————————————————————————————	Number
CAPITAL PROJECT ESTIMA	TE Publ	ic Works-Wa	ter Utility	DeBarr,	72	72-25			
		Estimated	1 Market	ew - Appro-	Doctingeon redutestiments.				
Estimated Cost by Object	Estimate Total Co (4)	, .	I DITTOUTOUS 1 1	priation 19 <u>72</u> (7)	19 <u>73</u> (8)	19 <u>74</u> (9)	19 <u>75</u> (10)	19 <u>76</u> (11)	19 <u>7</u> (12
(13) Equip. (Moveable) (14) Land (15) Buildings (16) Other Improvements (17) Other	170.			0	170	0	0	0	0
TOTAL	170		•	0	170	0	0	0	0
(19) Gross Floor Area									
(22) Arch. and Eng. I	Pees: Amou	nt \$0	(23) Perce	nt of Buil	ding Cost	% (24) Est. Comp	oletion Date	e.12/31/.
(25) Effect on Operati	ing Budget	M/Y	Salaries &	Wages 0	ther Objects	s Tot	al Cost	Reve	nue
List Program(s) Affect	ACCOMPANY (CONTRACTOR CONTRACTOR	19							
		Full Year		÷ .					

To meet future demands in this area, a main extension is proposed. Nothing is planned for next construction season, but construction is to follow in 1973.

	(1)	Department	and Division		(2) Project Title					
CAPITAL PROJECT ESTIMA	TE Pub	lic Works-V	Water Utility	Bonifa	ce Parkway,	DeBarr to	o 6th Avenue		Humber 1-26	
geltrafile etterprinsprinsprinsprinsprinsprinsprinsprin	Estimate	Estimate Expenditu		New - Appro	P†	Estimate	ed Requiremen	ts		
Estimated Cost by Object	Total Co	, .	DITALIONS	priation 19 <u>72</u> (7)	19 <u>73</u> (8)	19 <u>74</u> (9)	19 <u>75</u> (10)	19 <u>76</u> (11)	19_7:	
 (13) Equip. (Moveable) (14) Land (15) Buildings (16) Other Improvements (17) Other 	150.			0	0	150	0	0	0	
TOTAL (18) Estimated Cost by Fund Source of Funds Code Fund Title	150			0	0	150	0	0	0	
TOTAL										
(19) Gross Floor Area (22) Arch. and Eng. I										
(25) Effect on Operati	ing Budge	M/3	Y Salaries	& Wages	Other Objects	To t	tal Cost	Rever	nue	
List Program(s) Affect	alman and a second and a second and a second and a second	1.9		504004VCE1840278001000000000000000000000000000000000				7-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	enganggapa di Pilana garin dan Awada di Baransaran dan Awada di Baransaran dan Awada dan dan dan dan dan dan d	
		Ful1	The state of the s		n terren er en				The state of the s	

⁽²⁶⁾ Project Description and Justification (Continue on additional sheets, same size)

Year

^{&#}x27;To provide a loop-tie to facilities north of DeBarr and to meet future demands, a loop-tie is proposed with construction to be accomplished in 1974.

,	(1)	(1) Department and Division (2) Project Title					(2) Project Title					
APITAL PROJECT ESTIMA	TE Publi	Public Works-Water Utility				ncy				72-	-27	
		Estimated	Reappro-	New - Ap	- 1		Estimated Requirements					
1	Estimated Total Cos	, .	Pricarions	priatio	n	1973	1974	19 <u>75</u>	1976		1977	
:imated Cost by Object	(4.)	(5)	19 <u>(6)</u>	1,9 <u>72</u> (7)		(8)	(9)	(10)	(11)		19 <u>77</u> (12)	
 Equip. (Moveable) Land Buildings Other Improvements Other 	595				25	470	25	25		25	25	
TOTAL	595				25	470	25	25		25	25	
8) Estimated Cost by and Source of Funds 2de Fund Title												
TOTAL												
(19) Gross Floor Area		Sq. Ft. (20) B	uilding Cost	per Sq.F	7t. \$	0(2	ll) Project !	Status Code.	уо́		Contin-	
(22) Arch. and Eng. F	ees: Amour	nt \$0	(23) Per	cent of B	Build	ing Cost	0% (24) Est. Com	pletion	Date.	uing	
(25) Effect on Operati		M/Y	Salaries	i		her Objects	1	al Cost	{	iceven.		
.ist Program(s) Affect	ed:	19		erinandistani			,			a come en companyo		
		Full										

Year

To provide for rising costs of construction and purchasing, a contingency is proposed.

	(1) D	epartment and	1 Division		(2) Pro	, , ,	Number		
APITAL PROJECT ESTIMAT	TE Public	: Works-Wate	er Utility	Prelim	ninary Study		2-28		
***************************************	7 . 4	Estimated	Month	New - Appro	1	Estimated	d Requirement	ts	-
imated Cost by Object	Estimated Total Cost (4)	Expenditure to Dec. 31 (5)	priations 19	priation 19 <u>72</u> (7)	19 <u>73</u> (8)	19 <u>74</u> (9)	19 <u>75</u> (10)	19 <u>76</u> (11)	19 <u>77</u> (12)
3) Equip. (Moveable) 4) Land 5) Buildings 5) Other Improvements 7) Other	100.			50	50	0	0	0	0
TOTAL	100			50	50	0	0	0	0
18) Estimated Cost by and Source of Funds ode Fund Title						6.			
TOTAL			1			<u></u>			
(19) Gross Floor Area	0Sg	. Ft. (20) B	uilding Cost	per Sq.Ft.	\$Q(2	21) Project (Status Code.	.0ρ.	
(22) Arch. and Eng. F	'ees: Amount	<u> </u>	(23) Per	cent of Bui	lding Cost(· · · · · · · · · · · · · · · · · · ·	24) Est. Com	apletion Date	<u> </u>
(25) Effect on Operati		M/Y	Salaries	i	Other Objects		al Cost	Reven	
List Program(s) Affect		1.9							
	F	Full Year		٠ .					

(3) Priority

(26) Project Description and Justification (Continue on additional sheets, same size)

. To further develop Ship Creek as a water source a preliminary dam feasibility study is proposed. In this preliminary study, cooperation in funding by Federal and State agencies would be investigated. Also this investigation would involve picking alternate sites for development.