

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

Prior No. (3)	Name of Project (4)	Year in Which Funding is Requested					
		1972 (5)	1973 (6)	1974 (7)	1975 (8)	1976 (9)	1977 (10)
1	Subdivisions & Impr. Districts	900	900	900	900	900	900
2	New Connections	300	300	300	300	300	300
3	Misc. Loop-Ties	90	90	90	90	90	90
4	USGS Watershed Study	50	50	50	50	50	50
5	Upgrading of System	100	100	100	100	100	100
6	New Meters	200	100	100	100	100	100
7	Treatment Plant Modification	750	0	0	0	0	800
8	Replace 24" Wood Stave	450	450	450	0	0	0
9	"A" Street Extension	100	70	70	70	70	0
10	Auxiliary Power	15	15	15	15	15	15
11	Telemetry	50	10	10	10	10	10
12	New Equipment	50	40	40	40	40	40
13	State Highway Projects	50	50	25	25	25	25
14	New Reservoir	50	600	0	50	700	0
15	New Well	50	300	0	0	0	0
16	Seward Highway	100	100	50	0	0	0
17	Lake Otis Parkway	70	70	70	0	0	0
18	International Airport Expansion	50	50	50	50	50	50
19	International Airport Road	50	75	0	0	0	0
20	Abbott Loop	0	150	150	0	0	0
21	"C" Street, 1st to Whitney	50	0	0	0	0	0
22	Expansion Warm Storage	0	100	0	0	0	0
23	Dowling Road	150	0	0	0	0	0
24	Miscellaneous Requirements	150	150	150	150	150	150
25	Debarr, Boniface to Bragaw	0	170	0	0	0	0
26	Boniface Parkway, Debarr to 6th Ave.	0	0	150	0	0	0
NEW REVENUE							
FEDERAL FUNDS							
BOND FUNDS AUTHORIZED							
OTHER							
DEPRECIATION							
TOTAL							

SUMMARY OF INDIVIDUAL CAPITAL IMPROVEMENT PROGRAM PROPOSALS

1972-77 CAPITAL IMPROVEMENT PROGRAM

(1) Department _____ (2) Division _____

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

CAPITAL PROJECT ESTIMATE

(1) Department and Division

(2) Project Title

(3) Priority Number

Public Works-Water Utility

Subdivisions and Improvement Districts

72-1

Estimated Cost by Object	Estimated Total Cost (4)	Estimated Expenditure to Dec. 31 (5)	Reappropriations 19__ (6)	New - Appropriation 1972 (7)	Estimated Requirements				
					1973 (8)	1974 (9)	1975 (10)	1976 (11)	1977 (12)
(13) Equip. (Moveable)									
(14) Land									
(15) Buildings									
(16) Other Improvements	5,400			900	900	900	900	900	900
(17) Other									
TOTAL	<u>5,400</u>	<u> </u>	<u> </u>	<u>900</u>	<u>900</u>	<u>900</u>	<u>900</u>	<u>900</u>	<u>900</u>
(18) Estimated Cost by Fund Source of Funds									
Code Fund Title									
TOTAL	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

(19) Gross Floor Area....0....Sq. Ft. (20) Building Cost per Sq.Ft. \$....0.....(21) Project Status Code.....0.....

(22) Arch. and Eng. Fees: Amount \$.....60..... (23) Percent of Building Cost....0.....% (24) Est. Completion Date.....

(25) Effect on Operating Budget	M/Y	Salaries & Wages	Other Objects	Total Cost	Revenue
List Program(s) Affected:	19__				
	Full Year				

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

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.

CAPITAL PROJECT ESTIMATE	(1) Department and Division	(2) Project Title	(3) Prior Number
	Public Works-Water Utility	New Connections	72-2

Estimated Cost by Object	Estimated Total Cost (4)	Estimated Expenditure to Dec. 31 (5)	Reappropriations 19 (6)	New - Appropriation 19 72 (7)	Estimated Requirements				
					19 73 (8)	19 74 (9)	19 75 (10)	19 76 (11)	19 (12)
(13) Equip. (Moveable)									
(14) Land									
(15) Buildings									
(16) Other Improvements	1,800			300	300	300	300	300	300
(17) Other									
TOTAL	<u>1,800</u>	<u> </u>	<u> </u>	<u>300</u>	<u>300</u>	<u>300</u>	<u>300</u>	<u>300</u>	<u>300</u>
(18) Estimated Cost by Fund Source of Funds									
Fund Code	Fund Title								
TOTAL	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

(19) Gross Floor Area...0.....Sq. Ft. (20) Building Cost per Sq.Ft. \$...0.....(21) Project Status Code..NO.....
 (22) Arch. and Eng. Fees: Amount \$.5..... (23) Percent of Building Cost....0.....% (24) Est. Completion Date...uing.

(25) Effect on Operating Budget	M/Y	Salaries & Wages	Other Objects	Total Cost	Revenue
List Program(s) Affected:	19__				
	Full Year				

(26) Project Description and Justification (Continue on additional sheets, same size)
 This item is a contribution in aid to construction which provides for the initial costs of service connection material and labor.

CAPITAL PROJECT ESTIMATE	(1) Department and Division	(2) Project Title	(3) Priority Number
	Public Works-Water Utility	USGS Watershed Study	72-4

Estimated Cost by Object	Estimated Total Cost (4)	Estimated Expenditure to Dec. 31 (5)	Reappropriations 19 (6)	New - Appropriation 19 72 (7)	Estimated Requirements				
					19 73 (8)	19 74 (9)	19 75 (10)	19 76 (11)	19 (12)
(13) Equip. (Moveable)									
(14) Land									
(15) Buildings									
(16) Other Improvements	300			50	50	50	50	50	50
(17) Other									
TOTAL	300			50	50	50	50	50	50
(18) Estimated Cost by Fund Source of Funds									
Code Fund Title									
TOTAL									

(19) Gross Floor Area.....0...Sq. Ft. (20) Building Cost per Sq.Ft. \$...0.....(21) Project Status Code....PPC.....

(22) Arch. and Eng. Fees: Amount \$...0..... (23) Percent of Building Cost....0.....% (24) Est. Completion Date...uing.

(25) Effect on Operating Budget	M/Y	Salaries & Wages	Other Objects	Total Cost	Revenue
List Program(s) Affected:	19				
	Full Year				

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

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.

CAPITAL PROJECT ESTIMATE	(1) Department and Division	(2) Project Title	(3) Priority Number
	Public Works-Water Utility	Upgrading of System	72-5

Estimated Cost by Object	Estimated Total Cost (4)	Estimated Expenditure to Dec. 31 (5)	Reappropriations 19__ (6)	New - Appropriation 1972 (7)	Estimated Requirements				
					1973 (8)	1974 (9)	1975 (10)	1976 (11)	1977 (12)
(13) Equip. (Moveable)									
(14) Land									
(15) Buildings									
(16) Other Improvements	600			100	100	100	100	100	100
(17) Other									
TOTAL	<u>600</u>	<u> </u>	<u> </u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>
(18) Estimated Cost by Fund									
Code	Fund	Title							
TOTAL	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

(19) Gross Floor Area.....⁰.....Sq. Ft. (20) Building Cost per Sq.Ft. \$.....⁰.....(21) Project Status Code.....⁰⁰.....
 (22) Arch. and Eng. Fees: Amount \$.....⁵..... (23) Percent of Building Cost.....⁰.....% (24) Est. Completion Date.....

(25) Effect on Operating Budget	M/Y	Salaries & Wages	Other Objects	Total Cost	Revenue
List Program(s) Affected:	19__				
	Full Year				

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

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.

CAPITAL PROJECT ESTIMATE	(1) Department and Division	(2) Project Title	(3) Priority Number
	Public Works-Water Utility	New Meters	72-6

Estimated Cost by Object	Estimated Total Cost (4)	Estimated Expenditure to Dec. 31 (5)	Reappropriations 19__ (6)	New - Appropriation 1972 (7)	Estimated Requirements				
					1973 (8)	1974 (9)	1975 (10)	1976 (11)	1977 (12)
(13) Equip. (Moveable)	700			200	100	100	100	100	100
(14) Land									
(15) Buildings									
(16) Other Improvements									
(17) Other									
TOTAL	700			200	100	100	100	100	100

(19) Gross Floor Area.....0.....Sq. Ft. (20) Building Cost per Sq.Ft. \$....0.....(21) Project Status Code...No.....
 (22) Arch. and Eng. Fees: Amount \$...0..... (23) Percent of Building Cost....0.....% (24) Est. Completion Date.....

(25) Effect on Operating Budget	M/Y	Salaries & Wages	Other Objects	Total Cost	Revenue
List Program(s) Affected:	19__				
	Full Year				

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

CAPITAL PROJECT ESTIMATE	(1) Department and Division	(2) Project Title	(3) Priority Number
	Public Works-Water Utility	"A" Street Extension	72-9

Estimated Cost by Object	Estimated Total Cost (4)	Estimated Expenditure to Dec. 31 (5)	Reappropriations 19__ (6)	New - Appropriation 1972 (7)	Estimated Requirements				
					1973 (8)	1974 (9)	1975 (10)	1976 (11)	1977 (12)
(13) Equip. (Moveable)									
(14) Land									
(15) Buildings									
(16) Other Improvements	380			100	70	70	70	70	0
(17) Other									
TOTAL	<u>380</u>			<u>100</u>	<u>70</u>	<u>70</u>	<u>70</u>	<u>70</u>	<u>0</u>
(18) Estimated Cost by Fund									
Code	Fund	Title							
TOTAL									

(19) Gross Floor Area...⁰.....Sq. Ft. (20) Building Cost per Sq.Ft. \$.....⁰.....(21) Project Status Code.....PPP

(22) Arch. and Eng. Fees: Amount \$..¹⁰..... (23) Percent of Building Cost.....⁰.....% (24) Est. Completion Date..12/31/75..

(25) Effect on Operating Budget	M/Y	Salaries & Wages	Other Objects	Total Cost	Revenue
List Program(s) Affected:	19__				
	Full Year				

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

FIGURES SHOWN ARE IN THOUSANDS

CAPITAL PROJECT ESTIMATE	(1) Department and Division	(2) Project Title	(3) Priority Number
	Public Works-Water Utility	Auxiliary Power	72-10

Estimated Cost by Object	Estimated Total Cost (4)	Estimated Expenditure to Dec. 31 (5)	Reappropriations 19 (6)	New - Appropriation 19 (7)	Estimated Requirements				
					19 (8)	19 (9)	19 (10)	19 (11)	19 (12)
(13) Equip. (Moveable)	90			15	15	15	15	15	15
(14) Land									
(15) Buildings									
(16) Other Improvements									
(17) Other									
TOTAL	90			15	15	15	15	15	15
(18) Estimated Cost by Fund									
Code	Fund	Title							
TOTAL									

(19) Gross Floor Area...⁰.....Sq. Ft. (20) Building Cost per Sq.Ft. \$...⁰.....(21) Project Status Code...^{NO}.....

(22) Arch. and Eng. Fees: Amount \$...⁰..... (23) Percent of Building Cost...⁰.....% (24) Est. Completion Date...^{12/31/74}..

(25) Effect on Operating Budget	M/Y	Salaries & Wages	Other Objects	Total Cost	Revenue
List Program(s) Affected:	19__				
	Full Year				

(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.

FIGURES SHOWN ARE IN THOUSANDS

CAPITAL PROJECT ESTIMATE	(1) Department and Division	(2) Project Title	(3) Priority Number
	Public Works-Water Utility	Telemetry	72-11

Estimated Cost by Object	Estimated Total Cost (4)	Estimated Expenditure to Dec. 31 (5)	Reappropriations 1971 (6)	New - Appropriation 1972 (7)	Estimated Requirements				
					1973 (8)	1974 (9)	1975 (10)	1976 (11)	1977 (12)
(13) Equip. (Moveable)	100			50	10	10	10	10	10
(14) Land									
(15) Buildings									
(16) Other Improvements									
(17) Other									
TOTAL	100			50	10	10	10	10	10
(18) Estimated Cost by Fund									
Code	Fund	Title							
TOTAL									

(19) Gross Floor Area...⁰.....Sq. Ft. (20) Building Cost per Sq.Ft. \$.....⁰.....(21) Project Status Code.....⁰⁰.....
 (22) Arch. and Eng. Fees: Amount \$.....⁰..... (23) Percent of Building Cost.....⁰.....% (24) Est. Completion Date.....**Continuing**

(25) Effect on Operating Budget	M/Y	Salaries & Wages	Other Objects	Total Cost	Revenue
List Program(s) Affected:	19__				
	Full Year				

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

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.

FIGURES SHOWN ARE IN THOUSANDS

CAPITAL PROJECT ESTIMATE	(1) Department and Division	(2) Project Title	(3) Priority Number
	Public Works-Water Utility	New Equipment	72-12

Estimated Cost by Object	Estimated Total Cost (4)	Estimated Expenditure to Dec. 31 (5)	Reappropriations 197 (6)	New - Appropriation 1972 (7)	Estimated Requirements				
					1973 (8)	1974 (9)	1975 (10)	1976 (11)	1977 (12)
(13) Equip. (Moveable)	250			50	40	40	40	40	40
(14) Land									
(15) Buildings									
(16) Other Improvements									
(17) Other									
TOTAL	250			50	40	40	40	40	40

(19) Gross Floor Area...0.....Sq. Ft. (20) Building Cost per Sq.Ft. \$....0.....(21) Project Status Code.....PE.....
 (22) Arch. and Eng. Fees: Amount \$...0..... (23) Percent of Building Cost...0.....% (24) Est. Completion Date...Continuing

(25) Effect on Operating Budget	M/Y	Salaries & Wages	Other Objects	Total Cost	Revenue
List Program(s) Affected:	19__				
	Full Year				

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

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 connectaon crews in the summer construction season. Also to upgrade and replace equipment used in the shop, and allocation must be made.

CAPITAL PROJECT ESTIMATE	(1) Department and Division	(2) Project Title	(3) Priority Number
	Public Works-Water Utility	New Reservoir	72-14

Estimated Cost by Object	Estimated Total Cost (4)	Estimated Expenditure to Dec. 31 (5)	Reappropriations 19 (6)	New - Appropriation 1972 (7)	Estimated Requirements				
					1973 (8)	1974 (9)	1975 (10)	1976 (11)	1977 (12)
(13) Equip. (Moveable)									
(14) Land									
(15) Buildings									
(16) Other Improvements	1,400			50	600	0	50	700	0
(17) Other									
TOTAL	1,400			50	600	0	50	700	0
(18) Estimated Cost by Fund Source of Funds									
Code Fund Title									
TOTAL									

(19) Gross Floor Area...0....Sq. Ft. (20) Building Cost per Sq.Ft. \$....0.....(21) Project Status Code..00.....

(22) Arch. and Eng. Fees: Amount \$....20..... (23) Percent of Building Cost.....0.....% (24) Est. Completion Date.12/31/

(25) Effect on Operating Budget	M/Y	Salaries & Wages	Other Objects	Total Cost	Revenue
List Program(s) Affected:	19__				
	Full Year				

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

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.

CAPITAL PROJECT ESTIMATE	(1) Department and Division	(2) Project Title	(3) Priority Number
	Public Works - Water Utility	New Well	72-15

Estimated Cost by Object	Estimated Total Cost (4)	Estimated Expenditure to Dec. 31 (5)	Reappropriations 19 (6)	New - Appropriation 1972 (7)	Estimated Requirements				
					19 73 (8)	19 74 (9)	19 75 (10)	19 76 (11)	19 77 (12)
(13) Equip. (Moveable)									
(14) Land									
(15) Buildings									
(16) Other Improvements	400			50	300	0	0	0	0
(17) Other									
TOTAL	<u>400</u>			<u>50</u>	<u>300</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
(18) Estimated Cost by Fund									
Code	Fund	Title							
TOTAL									

(19) Gross Floor Area....0....Sq. Ft. (20) Building Cost per Sq.Ft. \$....0.....(21) Project Status Code.....PBC.....

(22) Arch. and Eng. Fees: Amount \$..30..... (23) Percent of Building Cost...0.....% (24) Est. Completion Date..12/31/77

(25) Effect on Operating Budget	M/Y	Salaries & Wages	Other Objects	Total Cost	Revenue
List Program(s) Affected:	19__				
	Full Year				

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

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 and Division

(2) Project Title

(3) Priority Number

CAPITAL PROJECT ESTIMATE

PUBLIC WORKS-Water Utility

Lake Otis Parkway

72-17

Estimated Cost by Object	Estimated Total Cost (4)	Estimated Expenditure to Dec. 31 (5)	Reappropriations 19__ (6)	New - Appropriation 19 72 (7)	Estimated Requirements				
					19 73 (8)	19 74 (9)	19 75 (10)	1976 (11)	1977 (12)
(13) Equip. (Moveable)									
(14) Land									
(15) Buildings									
(16) Other Improvements	210			70	70	70	0	0	0
(17) Other									
TOTAL	<u>210</u>	<u> </u>	<u> </u>	<u>70</u>	<u>70</u>	<u>70</u>	<u>0</u>	<u>0</u>	<u>0</u>
(18) Estimated Cost by Fund									
Code	Fund Title								
TOTAL	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

(19) Gross Floor Area....0....Sq. Ft. (20) Building Cost per Sq.Ft. \$...0.....(21) Project Status Code...PPC.....

(22) Arch. and Eng. Fees: Amount \$...0..... (23) Percent of Building Cost.....0.....% (24) Est. Completion Date 12/31/77

(25) Effect on Operating Budget	M/Y	Salaries & Wages	Other Objects	Total Cost	Revenue
List Program(s) Affected:	19__				
	Full Year				

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

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.

CAPITAL PROJECT ESTIMATE	(1) Department and Division	(2) Project Title	(3) Priority Number
	Public Works-Water Utility	International Airport Expansion	72-18

Estimated Cost by Object	Estimated Total Cost (4)	Estimated Expenditure to Dec. 31 (5)	Reappropriations 19__ (6)	New - Appropriation 19 72 (7)	Estimated Requirements				
					19 73 (8)	19 74 (9)	19 75 (10)	19 76 (11)	19 77 (12)
(13) Equip. (Moveable)									
(14) Land									
(15) Buildings									
(16) Other Improvements	300			50	50	50	50	50	50
(17) Other									
TOTAL	300			50	50	50	50	50	50

(18) Estimated Cost by Fund Source of Funds

Fund Code	Fund Title
TOTAL	

(19) Gross Floor Area.....0...Sq. Ft. (20) Building Cost per Sq.Ft. \$...0.....(21) Project Status Code...00..... Contin

(22) Arch. and Eng. Fees: Amount \$...0..... (23) Percent of Building Cost...0.....% (24) Est. Completion Date...uing.

(25) Effect on Operating Budget	M/Y	Salaries & Wages	Other Objects	Total Cost	Revenue
List Program(s) Affected:	19__				
	Full Year				

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

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.

(1) Department and Division

(2) Project Title

(3) Priority Number

CAPITAL PROJECT ESTIMATE

Public Works-Water Utility

International Airport Road

72-19

Estimated Cost by Object	Estimated Total Cost (4)	Estimated Expenditure to Dec. 31 (5)	Reappropriations 19 (6)	New - Appropriation 1972 (7)	Estimated Requirements				
					1973 (8)	1974 (9)	1975 (10)	1976 (11)	1977 (12)
(13) Equip. (Moveable)									
(14) Land									
(15) Buildings									
(16) Other Improvements	125			50	75	0	0	0	0
(17) Other									
TOTAL	<u>125</u>	<u> </u>	<u> </u>	<u>50</u>	<u>75</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
(18) Estimated Cost by Fund Source of Funds									
Fund Code	Fund	Title							
TOTAL	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

(19) Gross Floor Area....0....Sq. Ft. (20) Building Cost per Sq.Ft. \$....0.....(21) Project Status Code..PPC.....

(22) Arch. and Eng. Fees: Amount \$.....0..... (23) Percent of Building Cost....0.....% (24) Est. Completion Date 12/31/77

(25) Effect on Operating Budget	M/Y	Salaries & Wages	Other Objects	Total Cost	Revenue
List Program(s) Affected:	19__				
	Full Year				

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

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

CAPITAL PROJECT ESTIMATE	(1) Department and Division	(2) Project Title	(3) Priority Number
	Public Works-Water Utility	Abbott Loop	72-20

Estimated Cost by Object	Estimated Total Cost (4)	Estimated Expenditure to Dec. 31 (5)	Reappropriations 19__ (6)	New - Appropriation 1972 (7)	Estimated Requirements					
					1973 (8)	1974 (9)	1975 (10)	1976 (11)	1977 (12)	
(13) Equip. (Moveable)										
(14) Land										
(15) Buildings										
(16) Other Improvements	300			0	150	150	0	0	0	0
(17) Other										
TOTAL	<u>300</u>	<u> </u>	<u> </u>	<u>0</u>	<u>150</u>	<u>150</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
(18) Estimated Cost by Fund										
Code	Fund	Title								
TOTAL	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

(19) Gross Floor Area...⁰...Sq. Ft. (20) Building Cost per Sq.Ft. \$...⁰... (21) Project Status Code...⁰⁰...
 (22) Arch. and Eng. Fees: Amount \$...⁰... (23) Percent of Building Cost...⁰...% (24) Est. Completion Date 12/31/74

(25) Effect on Operating Budget		M/Y	Salaries & Wages	Other Objects	Total Cost	Revenue
List Program(s) Affected:	19__					
	Full Year					

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

CAPITAL PROJECT ESTIMATE	(1) Department and Division	(2) Project Title	(3) Priority Number
	Public Works-Water Utility	"C" Street, 1st to Whitney	72-21

Estimated Cost by Object	Estimated Total Cost (4)	Estimated Expenditure to Dec. 31 (5)	Reappropriations 19__ (6)	New - Appropriation 1972 (7)	Estimated Requirements				
					19_73 (8)	19_74 (9)	19_75 (10)	19_76 (11)	19_77 (12)
(13) Equip. (Moveable)									
(14) Land									
(15) Buildings									
(16) Other Improvements	50.			50	0	0	0	0	0
(17) Other	0.								
TOTAL	50			50	0	0	0	0	0

(18) Estimated Cost by Fund Source of Funds		M/Y	Salaries & Wages	Other Objects	Total Cost	Revenue
Fund Code	Fund Title					
	TOTAL					

(19) Gross Floor Area...0.....Sq. Ft. (20) Building Cost per Sq.Ft. \$...0.....(21) Project Status Code..00.....
 (22) Arch. and Eng. Fees: Amount \$...0..... (23) Percent of Building Cost...0.....% (24) Est. Completion Date.12/31/

(25) Effect on Operating Budget	M/Y	Salaries & Wages	Other Objects	Total Cost	Revenue
List Program(s) Affected:	19__				
	Full Year				

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

CAPITAL PROJECT ESTIMATE	(1) Department and Division	(2) Project Title	(3) Priority Number
	Public Works-Water Utility	Expansion Warm Storage	72-22

Estimated Cost by Object	Estimated Total Cost (4)	Estimated Expenditure to Dec. 31 (5)	Reappropriations 19__ (6)	New - Appropriation 1972 (7)	Estimated Requirements				
					1973 (8)	1974 (9)	1975 (10)	1976 (11)	1977 (12)
(13) Equip. (Moveable)									
(14) Land									
(15) Buildings	100			0	100	0	0	0	0
(16) Other Improvements									
(17) Other									
TOTAL	<u>100</u>	<u> </u>	<u> </u>	<u>0</u>	<u>100</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
(18) Estimated Cost by Fund									
Code	Fund	Title							
TOTAL	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

(19) Gross Floor Area...2500...Sq. Ft. (20) Building Cost per Sq.Ft. \$...40.....(21) Project Status Code...00.....

(22) Arch. and Eng. Fees: Amount \$.....0..... (23) Percent of Building Cost....0.....% (24) Est. Completion Date. 12/31/74

(25) Effect on Operating Budget	M/Y	Salaries & Wages	Other Objects	Total Cost	Revenue
List Program(s) Affected:	19__				
	Full Year				

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

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.

CAPITAL PROJECT ESTIMATE	(1) Department and Division	(2) Project Title	(3) Priority Number
	Public Works-Water Utility	Dowling Road Loop-Tie	72-23

Estimated Cost by Object	Estimated Total Cost (4)	Estimated Expenditure to Dec. 31 (5)	Reappropriations 19__ (6)	New - Appropriation 19 72 (7)	Estimated Requirements				
					19 73 (8)	19 74 (9)	19 75 (10)	19 76 (11)	19 77 (12)
(13) Equip. (Moveable)									
(14) Land									
(15) Buildings									
(16) Other Improvements	150			150	0	0	0	0	0
(17) Other									
TOTAL	150			150	0	0	0	0	0

(18) Estimated Cost by Fund Source of Funds		M/Y	Salaries & Wages	Other Objects	Total Cost	Revenue
Fund Code	Fund Title					
	TOTAL					

(19) Gross Floor Area....0....Sq. Ft. (20) Building Cost per Sq.Ft. \$...0.....(21) Project Status Code.....PPC.....
 (22) Arch. and Eng. Fees: Amount \$....0..... (23) Percent of Building Cost.....0.....% (24) Est. Completion Date.12/31/.

(25) Effect on Operating Budget	M/Y	Salaries & Wages	Other Objects	Total Cost	Revenue
List Program(s) Affected:	19__				
	Full Year				

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

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.

CAPITAL PROJECT ESTIMATE	(1) Department and Division	(2) Project Title	(3) Priority Number
	Public Works-Water Utility	Miscellaneous Requirements	72-24

Estimated Cost by Object	Estimated Total Cost (4)	Estimated Expenditure to Dec. 31 (5)	Reappropriations 19__ (6)	New - Appropriation 1972 (7)	Estimated Requirements				
					19__73 (8)	19__74 (9)	19__75 (10)	19__76 (11)	19__7 (12)
(13) Equip. (Moveable)									
(14) Land									
(15) Buildings									
(16) Other Improvements	900.			150	150	150	150	150	150
(17) Other									
TOTAL	900			150	150	150	150	150	150

(18) Estimated Cost by Source of Funds		M/Y	Salaries & Wages	Other Objects	Total Cost	Revenue
Fund Code	Fund Title					
	TOTAL					

(19) Gross Floor Area...0.....Sq. Ft. (20) Building Cost per Sq.Ft. \$....0.....(21) Project Status Code..00.....
 (22) Arch. and Eng. Fees: Amount \$.....0..... (23) Percent of Building Cost.....0.....% (24) Est. Completion Date...uing.

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

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.

CAPITAL PROJECT ESTIMATE	(1) Department and Division	(2) Project Title	(3) Priority Number
	Public Works-Water Utility	DeBarr, Boniface Parkway to Bragaw	72-25

Estimated Cost by Object	Estimated Total Cost (4)	Estimated Expenditure to Dec. 31 (5)	Reappropriations 19__ (6)	New - Appropriation 1972 (7)	Estimated Requirements				
					1973 (8)	1974 (9)	1975 (10)	1976 (11)	1977 (12)
(13) Equip. (Moveable)									
(14) Land									
(15) Buildings									
(16) Other Improvements	170.			0	170	0	0	0	0
(17) Other									
TOTAL	<u>170</u>	<u> </u>	<u> </u>	<u>0</u>	<u>170</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
(18) Estimated Cost by Fund Source of Funds									
Code Fund Title									
TOTAL	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

(19) Gross Floor Area.....0...Sq. Ft. (20) Building Cost per Sq.Ft. \$...0.....(21) Project Status Code.....00.....

(22) Arch. and Eng. Fees: Amount \$.....0..... (23) Percent of Building Cost.....0.....% (24) Est. Completion Date.12/31/

(25) Effect on Operating Budget	M/Y	Salaries & Wages	Other Objects	Total Cost	Revenue
List Program(s) Affected:	19__				
	Full Year				

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

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.

CAPITAL PROJECT ESTIMATE	(1) Department and Division	(2) Project Title	(3) Priority Number
	Public Works-Water Utility	Contingency	72-27

Estimated Cost by Object	Estimated Total Cost (4)	Estimated Expenditure to Dec. 31 (5)	Reappropriations 19 (6)	New - Appropriation 1972 (7)	Estimated Requirements					
					1973 (8)	1974 (9)	1975 (10)	1976 (11)	1977 (12)	
1) Equip. (Moveable)										
2) Land										
3) Buildings										
4) Other Improvements	595			25	470	25	25	25	25	25
7) Other										
TOTAL	<u>595</u>			<u>25</u>	<u>470</u>	<u>25</u>	<u>25</u>	<u>25</u>	<u>25</u>	<u>25</u>
8) Estimated Cost by Source of Funds										
Fund Title										
TOTAL										

(19) Gross Floor Area...0.....Sq. Ft. (20) Building Cost per Sq.Ft. S.....0.....(21) Project Status Code...No.....
 (22) Arch. and Eng. Fees: Amount \$.....0..... (23) Percent of Building Cost....0.....% (24) Est. Completion Date...Continuing.....

(25) Effect on Operating Budget		M/Y	Salaries & Wages	Other Objects	Total Cost	Revenue
List Program(s) Affected:	19					
	Full Year					

(26) Project Description and Justification (Continue on additional sheets, same size)
 To provide for rising costs of construction and purchasing, a contingency is proposed.

CAPITAL PROJECT ESTIMATE	(1) Department and Division	(2) Project Title	(3) Priority Number
	Public Works-Water Utility	Preliminary Study Ship Creek Dam Facility	72-28

Estimated Cost by Object	Estimated Total Cost (4)	Estimated Expenditure to Dec. 31 (5)	Reappropriations 19__ (6)	New - Appropriation 19__ (7)	Estimated Requirements				
					19__ (8)	19__ (9)	19__ (10)	19__ (11)	19__ (12)
1) Equip. (Moveable)									
2) Land									
3) Buildings									
4) Other Improvements	100			50	50	0	0	0	0
5) Other									
TOTAL	100			50	50	0	0	0	0

(18) Estimated Cost by Source of Funds		M/Y	Salaries & Wages	Other Objects	Total Cost	Revenue
Code	Fund Title					
	TOTAL					

(19) Gross Floor Area.....0...Sq. Ft. (20) Building Cost per Sq.Ft. \$....0.....(21) Project Status Code..0.....

(22) Arch. and Eng. Fees: Amount \$..0..... (23) Percent of Building Cost...0.....% (24) Est. Completion Date.12/31/77

(25) Effect on Operating Budget	M/Y	Salaries & Wages	Other Objects	Total Cost	Revenue
List Program(s) Affected:	19__				
	Full Year				

(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.