

LISTING OF PROJECTS  
BY PRIORITY AND COST

RECOMMENDED APPROPRIATIONS BY MAJOR FUNCTIONS  
CITY OF ANCHORAGE CAPITAL IMPROVEMENT PROGRAM  
1961-1965

Projects	Total Value of Improvements	1961	1962	1963	1964	1965
1. Water	\$ 2,922,500	\$2,285,500 <sup>a</sup>	\$ 233,000 <sup>b</sup>	\$ 65,000 <sup>c</sup>	\$ 65,000 <sup>c</sup>	\$ 274,000 <sup>d</sup>
2. Sanitary Sewers	1,401,100	427,600 <sup>e</sup>	549,000 <sup>f</sup>	197,000 <sup>g</sup>	40,000 <sup>h</sup>	187,500 <sup>i</sup>
3. Storm Drainage	564,000	179,000 <sup>j</sup>	142,000 <sup>k</sup>	22,000 <sup>l</sup>	113,000 <sup>m</sup>	108,000 <sup>n</sup>
4. Light & Power	4,992,400	298,500	2,208,900 <sup>o</sup>	410,500	1,632,000 <sup>p</sup>	442,500
5. Telephones	3,265,000	640,000	1,200,000	475,000 <sup>q</sup>	475,000 <sup>r</sup>	475,000 <sup>r</sup>
6. Fire Protection	185,000	--	35,000 <sup>s</sup>	150,000 <sup>s</sup>	--	--
7. Police Protection	-- <sup>t</sup>	--	--	--	--	--
8. Streets & Highways	2,985,000	50,000	669,000	340,000 <sup>u</sup>	736,000 <sup>v</sup>	1,190,000 <sup>w</sup>
9. Parks & Recreation	419,400	98,400	10,000	50,000 <sup>x</sup>	61,000 <sup>x</sup>	200,000 <sup>x</sup>
10. Libraries	50,000	--	--	20,000 <sup>x</sup>	30,000 <sup>y</sup>	--
11. Parking	-- <sup>z</sup>	--	--	-- <sup>z</sup>	--	--
12. Port Facilities	-- <sup>aa</sup>	--	--	--	--	--
13. Airports	246,000	60,000	30,000	--	6,000 <sup>ab</sup>	150,000 <sup>ac</sup>
14. Public Buildings	507,500	--	--	35,000 <sup>ad</sup>	462,500 <sup>ae</sup>	10,000 <sup>af</sup>
15. Urban Renewal	<u>364,000</u>	<u>--</u>	<u>--</u>	<u>--<sup>ag</sup></u>	<u>364,000<sup>ah</sup></u>	<u>--<sup>ag</sup></u>
TOTAL PROGRAM	\$17,901,900	\$4,039,000	\$5,076,900	\$1,764,500	\$3,984,500	\$3,037,000

Source: See pages 9 to 48.

(Footnotes on next page)

- a. Of which \$1,800,000 comes from revenue bonds and \$485,500 from utility revenues.
- b. All financed from utility revenues; includes necessary projects in excess of preliminary 1962 Water Utility Fund estimates (see p. 73).
- c. All financed from utility revenues.
- d. Excludes the \$135,396 in annual payments for proposed 1964 bond issue.
- e. Includes \$70,000 in special assessments, \$320,600 in special assessment bonds, and \$37,000 in general fund revenues.
- f. Of which \$350,000 comes from general obligation bonds and \$199,000 from special assessments.
- g. Of which \$185,000 comes from special assessments and \$12,000 from general fund revenues.
- h. All from special assessments.
- i. All from special assessments and from \$85,000 in proposed general obligation bonds.
- j. Financed by \$48,000 in general obligation bonds and \$131,000 in special assessments.
- k. Financed by \$130,000 in special assessments and \$12,000 from the general fund.
- l. General fund expenditure.
- m. Of which \$11,000 is in proposed general obligation bonds and \$102,000 in special assessments.
- n. Including \$42,000 in proposed general obligation bonds and \$108,000 in special assessments.
- o. Financed from utility revenues and revenue bonds.
- p. Of which \$1,200,000 is a proposed revenue bond issue.
- q. Of which \$475,000 is to be financed from proposed revenue bonds. Does not include additional projects that would be forthcoming if the \$4,000,000 bond issue is approved by June, 1962.
- r. Utility revenues. Does not include additional projects that would be forthcoming if the \$4,000,000 bond issue is approved by June, 1962.
- s. General Obligation Bonds.
- t. No buildings, site, or equipment needs anticipated by Police Department within present City through 1965.
- u. Distributed as follows: \$15,000 in general fund revenues, \$15,000 in special assessments, and \$310,000 in special assessment bonds.
- v. Includes \$46,000 in special assessments and \$690,000 in special assessment bonds.
- w. Distributed as follows: \$65,000 in special assessments, \$775,000 in special assessment bonds, and \$350,000 in general obligation bonds.
- x. General obligation bonds.
- y. To come from the general fund.
- z. Denotes scheduled project for which total cost and method of financing is undetermined.
- aa. Additional facilities through 1965 not foreseen at this time.
- ab. From general fund revenues.
- ac. From proposed general obligation bonds.
- ad. Financed from general fund expenditures.
- ae. Of which \$452,500 is to come from proposed general obligation bonds, and \$10,000 from the general fund.
- af. General fund expenditure.
- ag. Denotes projects that may be scheduled for this year for which total cost is undetermined.
- ah. To come from general obligation bonds.

I. WATER

<u>A. Metropolitan Area Needs</u>	<u>Estimated Costs</u>
Water Treatment and Pumping Plants	\$ 2,000,000.00
Supplementary Sources of Raw Water	500,000.00
Water Service (137,197 equiv. residential units \$750.00 each)	102,897,750.00
	<hr/>
Total Estimated Cost of Facilities needed to 1980	\$105,397,750.00
	(Rounded) (\$105,400,000.00)
Value of Existing Facilities	<u>\$ 10,000,000.00</u>
Estimated Cost of New Facilities	\$ 95,400,000.00

Preliminary Forecasts by Director of Public Works

A system three times the size of the present system will probably be needed to serve 200,000 people.

The Water Treatment Plant under construction has been sized to supply 12,000,000 gallons per day, which is about double the present use.

A surface or sub-surface supplementary source of water will be needed to develop a system three times the size of the existing one.

A study is needed to determine the adequacy of the present Ship Creek Supply, and the possibility of tunneling to Eagle River, impounding the South Fork of Campbell Creek or drilling for underground reserves in Russian Jack Springs for additional raw water.

B. City Programs

The \$1,000,000 General Obligation Water System Improvement Bonds offered for sale by the City on August 8, 1961, are part of the \$1,800,000 of such bonds authorized at a special election on October 5, 1954.

Proceeds of the sale of these bonds will be used for the purpose of providing money to construct a water filtration plant and necessary appurtenances.

The City's water system has expanded over 50% since the start of the 1959 construction season. This includes the purchase of approximately 25 miles of water mains constructed by private interests, and over 15 miles of mains constructed by City forces and contractors.

There are more than 8,500 separate water connections on the 117 miles of supply mains owned by the City of Anchorage.

Approximately \$2,922,500 worth of improvements is scheduled for the 1961-1965 planning period.



LIST OF PROJECTS

Project Number	Project Title	Financing	Project Cost	1961	1962	1963	1964	1965
I-1	<u>Water Treatment Plant</u>  \$1,800,000 was requested in 1961 for this project. The project is in accordance with the Preliminary Plan for Water. It was recommended that \$1,800,000 be made available from sale of authorized bonds. Debt retirement is to be assisted by \$1.00 per month surcharge per customer as approved by the electorate.	RB +	\$1,800,000	X				
I-2	<u>East High School</u>	UR	38,000	X				
I-3	<u>Service to Smith Park</u>  Prior City committment.	UR	2,500	X				
I-4	<u>Merrill Field</u>  Prior obligations for Federal Aid.	UR	10,000	X				
I-5	<u>Smith Subdivision</u>	UR	130,000	X				
I-6	<u>Thompson Subdivision</u>	UR	140,000	X				
I-7	Water at the industrial area in the vicinity of <u>First and Orca</u>	UR	94,000					X
I-8	<u>Alaska Industrial Subdivision</u> Water Extension	UR	110,000	X				
I-9	<u>Forest Park</u>	UR	55,000	X				
I-10	Supply to <u>Government Hill</u>	UR	20,000		X			
I-11	Post Road; 1st Avenue to Whitney Road	UR	28,000		X			

+ See page 60 for definitions of these abbreviations.

Project Number	Project Title	Financing	Project Cost	1961	1962	1963	1964	1965
I-12	Service Connections	UR	\$ 60,000		X*	X*	X*	X*
I-13	Well Fencing	UR	20,000		X			
I-14	Extensions Spenard System	UR	100,000		X			
I-15	New Subdivisions	UR	200,000		X	X	X	X
I-16	Post Road beyond Whitney Road	UR	75,000					X
I-17	Bluff Road	UR	15,000					X
I-18	South side Merrill Field	UR	25,000					X

Value of Improvements Scheduled	1961-1965 Total	1961	1962	1963	1964	1965
	\$2,922,500	\$2,285,500	\$233,000	\$65,000	\$65,000	\$274,000

\* Project costs have been evenly distributed over these time periods; also applies to subsequent projects where more than one scheduled period is indicated.

II. SANITARY SEWERS

A. <u>Metropolitan Area Needs</u>	<u>Estimated Costs</u>
Sanitary Sewage Treatment Plants (3)	\$ 6,000,000.00
Ship Creek Drainage Area	
Chester Creek Drainage Area	
Campbell Creek Drainage Area	
Sanitary Sewer Service (17,131 acres @ \$1,800 per acre)	<u>30,835,800.00</u>
Total Estimated Cost of Facilities Needed to 1980	\$ 36,835,800.00
	(Rounded) (\$ 36,850,000.00)
Value of Existing Facilities	<u>\$ 4,500,000.00</u>
Estimated Cost of New Facilities	\$ 32,350,000.00

Preliminary Forecasts by Director of Public Works

Present system is serving about 95% of existing subdivided areas within the present City limits. No sewage treatment is contemplated at the present time.

Tripling the size of the existing system may be in order for "ultimate service to a future population."



B. City Program

The \$371,000.00 General Obligation Sanitary Sewer Improvement Bonds (Series A) offered for sale by the City on August 8, 1961, are part of the \$2,500,000.00 of such bonds authorized at a special election on October 5, 1954. Previously issued bonds total \$2,129,000.00.

The \$600,000.00 General Obligation Sanitary Sewer Improvement Bonds (Series B) also offered for sale by the City on August 8, 1961, are part of the \$2,000,000.00 of such bonds authorized at a special election on October 6, 1959. Previously issued bonds in this series total \$1,000,000.00.

Proceeds of the sale of all bonds will be used for the purpose of providing money to construct improvements and extensions to the existing sanitary sewer system throughout the City where necessary, and in areas recently annexed to the City.

The City Council has created by law, Special Assessment Districts upon petitions of property owners to extend sewer service to various sections of the City. The City levies assessments against property specifically benefitted by such improvements in an amount not to exceed two-thirds (2/3) of the cost.

Approximately \$1,401,100 worth of improvements is scheduled for the 1961-1965 planning period.

Project Number	Project Title	Financing	Project Cost	1961	1962	1963	1964	1965
11-1	<u>Eastchester Urban Renewal Project</u> <p>\$85,000 is requested in 1965 for this project which is in the preliminary planning stage. Pending completion of more definite financial arrangements in later planning stages, it is tentatively assumed that an additional \$200,000 toward the cost of this project would be derived from Federal Urban Renewal Funds. It is recommended that \$85,000 be made available in 1965 from sale of authorized bonds to be amortized in 10 years.</p>	GOB	\$ 85,000					X
11-2	<u>Green Acres Extension</u>	SA	70,000	X				
11-3	<u>Knik Arm Interceptor Extension</u> <p>The Anchorage Sewer System, as it is now, does not comply with Health Regulations in that the outfall system does not carry the sewage to low-low tide. The Knik Arm Interceptor will bring the system up to standard. The system has six outfall lines with only one, the newly constructed Chester Creek Outfall, discharging at low-low tide. The Knik Arm Interceptor will collect the short outfalls and carry their flows to the Chester Creek Outfall which discharges at low-low tide.</p>	GOB	350,000			X		
11-4	Provide service to East Anchorage High School.	GFR	37,000	X				
11-5	Provide service for Fairview area. Annexation obligation.	SAB	320,600	X				

Project Number	Project Title	Financing	Project Cost	1961	1962	1963	1964	1965
11-6	Sewer Service for the area south of 16th Avenue west of the Seward Highway to Chester Creek. Petition received	SA	\$ 55,000		X			
11-7	Forest Park	SA	44,000		X			
11-8	Draper Subdivision	SA	60,000		X			
11-9	Alaska Industrial Subdivision	SA	145,000			X		
11-10	Vicinity 1st & Orca (50% Service) (Payment to A.F. for trunk)	SA	62,500					X
11-11	Service Connections	SA	160,000		X	X	X	X
11-12	1st Avenue trunk rehabilitation	GFR	12,000			X		

Deferred

Trunk to Sec. 16

\$133,000

Value of Improvements Scheduled	1961-1965 Total	1961	1962	1963	1964	1965
	\$1,401,100	\$427,600	\$549,000	\$197,000	\$40,000	\$187,500

III. STORM DRAINAGE

A. <u>Metropolitan Area Needs</u>	<u>Estimated Costs</u>
Storm Sewers, 23,311 Acres (\$1,200 per acre)	\$ 27,973,200.00
	(Rounded) (\$ 28,000,000.00)
Value of Existing Facilities	<u>1,200,000.00</u>
Estimated Cost of New Facilities	\$ 26,800,000.00

B. City Program

Approximately \$564,000 worth of improvements is scheduled for the 1961-1965 planning period.

B. City Needs

Project Number	Project Title	Financing	Project Cost	1961	1962	1963	1964	1965
III-1	<u>Grandview Gardens Extension</u> Some of Grandview Gardens east of Airport Heights Road is without storm sewers. The area is mostly low land with heavy population and low-cost housing.	SA	\$ 60,000		X			
III-2	<u>Green Acres Extension</u> This area is on high, sloping land and is lightly populated with low priced housing. A small collector system would be sufficient; however, the length and direction of an outfall line would require a more detailed study.	SA	42,000					X
III-3	<u>Chester Subdivision Extension</u> The area is low and lightly populated with low priced homes and a few small businesses. It is under study for Urban Renewal. The extent of storm drainage required will depend on the changes under Urban Renewal.	SA	24,000					X
III-4	<u>East Addition Extension</u> The major portion of this area is composed of warehouses and storage plants. This system could require a long outfall north to Ship Creek.	SA	48,000				X	
III-5	<u>West Government Hill Extension</u> The west portion of Government Hill, west of Loop Road is high flat land with a relatively dense population. The housing ranges from quonset huts to middle priced homes. The area should lend itself to a simple lateral system with a short outfall.	SA	54,000				X	

Project Number	Project Title	Financing	Project Cost	1961	1962	1963	1964	1965
III-6	Lowering of Chester Creek between Gambell Street and East of C Street Contract already let.	GOB	\$ 23,000	X				
III-7	Lowering of Chester Creek East of Lake Otis Road. Prerequisite to paving of Grandview Gardens and for general drainage of High School and P.A.R.C.A. areas.	GOB	11,000				X	
III-8	Fairview. Annexation obligation	SA	85,000	X				
III-9	Fireweed Manor with necessary programming into Chester Creek for total drainage area, including Rogers Park.	SA	46,000	X				
III-10	Improvements to Merrill Field Committed under Federal Aid Program.	GF	12,000		X			
III-11	Establishment of a new drainage channel running in a southwesterly direction from Airport Heights Road south of the airport and going into Chester Creek Depends on 1962 paving program, since funds would be derived from gravel revenues.	GF	22,000				X	
III-12	College Village Prior City Agreements with Developer (contract)	GOB	25,000	X				
III-13	<u>Westchester Urban Renewal Project</u>  It is recommended that \$42,000 be made available from sale of authorized bonds to be amortized in 10 years.	GOB	42,000					X
III-14	Smith, Thompson and E. Turnagain Subdivisions	SA	70,000	X				

Project Number	Project Title	Financing	Project Cost	1961	1962	1963	1964	1965
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Deferred

North and West Mountain View Extension

\$186,000

Approximately 30 blocks of storm sewer is needed in the areas between Taylor and Meyer Streets and Airport Way and Thompson Avenue, and between Taylor and Pine Streets and Thompson and McPhee Avenues. These areas will require separate short outfall lines. Work may be done under UR.

Eastchester Urban Renewal

66,000

This area is low and lightly populated with low priced homes. The existing subdivision is under study for Urban Renewal. Any plans for storm sewer will depend on the area after the changes under Urban Renewal.

Value of Improvements Scheduled	1961-1965 Total	1961	1962	1963	1964	1965
	\$564,000	\$179,000	\$142,000	\$22,000	\$113,000	\$108,000



IV. LIGHT AND POWER

<u>A. Metropolitan Area Needs</u>	<u>Estimated Costs</u>
Estimated 1980 Plant Cost within present City	\$ 40,499,000.00
Metropolitan Area excluding present City. 86,200 equivalent units @ \$250 each, plus an estimated \$20,000,000 for generation	<u>41,550,000.00</u>
Total Metropolitan Needs	\$ 82,049,000.00
Value of existing facilities	<u>16,941,000.00</u>
Estimated cost of new facilities	\$ 65,108,000.00

Estimates by the Municipal Light and Power Department are that load growth increases about 9% a year. Additional facilities will be needed by 1980 to serve an estimated \$10,000,000 more in Electric Utility plant accounts within present service area.

It is assumed that the development of Natural Gas for heating and manufacturing purposes will be fostered by private enterprise. It is also assumed this will not substantially alter the historic revenue and expenditure relationships of the Electric Utility Fund in the next five years.

Estimated Plant Value, Municipal Light & Power Department, 1980

	1960 Plant Cost	Additional Plant Cost	1980 Plant Cost
Radio Equipment	\$ 49,000	\$ 225,000	\$ 304,000
Traffic Signals	200,000	800,000	1,000,000
Street Lights	668,000	6,716,000	7,384,000
Underground Distribution	829,000	2,400,000	3,229,000
Overhead Distribution	1,694,000	6,250,000	7,944,000
Substations	591,000	1,250,000	1,841,000
Generation	1,309,000	17,188,000	18,497,000
General Plant	<u>101,000</u>	<u>199,000</u>	<u>300,000</u>
TOTAL	\$5,441,000	\$35,058,000	\$40,499,000

B. City Program

Approximately \$4,992,400 worth of improvements is scheduled for the 1961-1965 planning period.

Project Number	Project Title	Financing	Project Cost	1961	1962	1963	1964	1965
IV-1	<u>Distribution Facilities</u> Poles, conductors, transformers, services and underground facilities	UR	\$133,000	X				
IV-2	<u>Substations</u> 3750 KVA Arctic and 30th Avenue	UR	90,000	X				
IV-3	<u>Street Lights</u> Throughout the City	UR	53,000	X				
IV-4	<u>Traffic Signals</u> Various locations in City	UR	11,000	X				
IV-5	<u>Communications</u> Radio Equipment	UR	6,500	X				
IV-6	<u>Distribution Facilities</u> Rebuilding plus poles, conductors, etc.	UR	190,000		X			
IV-7	<u>Substations</u> 2500 KVA International Airport 5000 KVA Fourth and H 1500 KVA Relocation	UR	235,000		X			
IV-8	<u>Street Lights</u> Throughout the City	UR	70,000		X			
IV-9	<u>Traffic Signals</u> Various locations in City	UR	7,900		X			
IV-10	<u>Communications</u> Radio equipment	UR	6,000		X			
IV-11	<u>Generation</u> 6500 KW Gas Turbine generating unit needed if purchased power is not available	RB	1,500,000		X			
IV-12	Conversion of 5500 KW diesel plant to gas	RB	200,000		X			

Project Number	Project Title	Financing	Project Cost	1961	1962	1963	1964	1965
IV-13	<u>Distribution</u>	UR	\$ 210,000			X		
IV-14	<u>Substations</u> Replace 1500 KVA. at First and Sitka	UR	100,000			X		
IV-15	<u>Street Lights</u>	UR	74,000			X		
IV-16	<u>Traffic Signals</u> Various locations in City and East 5th Avenue Extension	UR	20,000			X		
IV-17	<u>Communications</u>	UR	6,500			X		
IV-18	<u>Distribution</u>	UR	230,000				X	
IV-19	<u>Substations</u> 5000 KVA 3rd and Cordova	UR	100,000				X	
IV-20	<u>Street Lights</u>	UR	80,000				X	
IV-21	<u>Traffic Signals</u>	UR	15,000				X	
IV-22	<u>Communications</u>	UR	7,000				X	
IV-23	<u>Generation</u> 6500 KW Gas Turbine generating Unit	RB	1,200,000				X	
IV-24	<u>Distribution</u>	UR	250,000					X
IV-25	<u>Substations</u> 3750 KVA for Alaska Methodist University	UR	90,000					X
IV-26	<u>Street Lights</u>	UR	80,000					X
IV-27	<u>Traffic Signals</u>	UR	15,000					X
IV-28	<u>Communications</u>	UR	7,500					X

Project Number	Project Title	Financing	Project Cost	1961	1962	1963	1964	1965
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Deferred

Generation

\$5,000,000

22,000 KW Steam Turbine will be needed by 1965-66 to supply anticipated growth to the year 1973. After this date purchase of power in blocks from future sources would be feasible.

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Value of Improvements Scheduled	1961-1965 Total	1961	1962	1963	1964	1965
	\$4,992,400	\$298,500	\$2,208,900	\$410,500	\$1,632,000	\$442,500

V. TELEPHONES

<u>A. Metropolitan Area Needs</u>	<u>Estimated Costs</u>
Telephone Service	\$ 50,000,000.00
100,000 New Lines @ \$500 per line	
Office Building (7,000 sq.ft. land and building)*	200,000.00
Two Garages (36,000 sq.ft. @ \$10 sq.ft.)	360,000.00
Open Storage Space (60,000 sq.ft. @ \$5 sq.ft.)	<u>300,000.00</u>
 Total Estimated Cost of Facilities needed to 1980	 \$ 50,860,000.00
 Less value of Existing Facilities	 <u>8,500,000.00</u>
 Estimated Cost of New Facilities	 \$ 42,360,000.00

\* Land Cost Estimated at \$5.00 sq.ft.  
Building Cost Estimated at \$22.00 sq.ft.

B. City Program

The \$750,000.00 Telephone Revenue Bonds offered for sale by the City on August 8, 1961, are part of the \$1,500,000.00 of such bonds authorized at a special election on October 4, 1960. Of the \$5,058,000.00 of previously issued bonds outstanding (1948-58) \$1,626,000.00 are general obligation bonds. The \$1,500,000 bond money will be used for plant expansion, both central office and outside facilities.

The unsold balance of the above bond authorization (\$750,000) plus monies from the depreciation of reserve funds to be used for capital expenditures to 1965.

In addition to the above source of funds, it is anticipated that a \$4 million revenue bond issue may be presented to the voters in 1962. If this issue were to pass, additional funds would be spent for Outside Plant, Central Office Equipment and Buildings and Land through 1965. Two amounts, therefore, are shown for the years 1962-1965, one based on existing sources and the second on the additional \$4 million revenue bonds.

B. City Needs

Project Number	Project Title	Financing	Project Cost	1961	1962	1963	1964	1965
V-1	<u>Broadway Exchange</u> Underground ducts and miscellaneous service connections	UR	\$200,000	X				
V-2	<u>Diamond Exchange</u> Distribution and transmission improvements	UR	30,000	X				
V-3	<u>Fairfax Exchange</u> Distribution and feeder cables	UR	75,000	X				
V-4	<u>Federal Exchange</u> Distribution, feeder cable and service to Alaska Methodist University and East Anchorage High School.	UR	75,000	X				
V-5	<u>Central Office Equipment</u> Station and PBX equipment.	UR	260,000	X				
V-6	<u>Outside Plant</u> Poles, wire, cable, underground installations	UR	375,000		X			
	Additional Outside Plant Equipment*	RB	250,000		X			
V-7	<u>Central Office Equipment</u> Dial-switching equipment, interchange circuits, private telephones and switchboards.	RB	575,000		X			
V-8	<u>Outside Plant</u> Poles, wire, cable, underground installations	RB	200,000				X	
V-9	<u>Central Office Equipment</u> Equipment, circuits, and stations	RB	275,000				X	



Project Number	Project Title	Financing	Project Cost	1961	1962	1963	1964	1965
V-10	<u>Outside Plant</u> Poles, wire, cable, underground installations	UR	\$ 200,000				X	
V-11	<u>Central Office Equipment</u> Equipment, circuits and stations Projected economic growth and demand will require improvement to the existing system. This will provide a 450% increase in capacity of calling rate between exchanges and the military by improving the trunk circuitry. It is expected to take between 18 and 24 months to put this improvement in service.	UR	275,000				X	
V-12	<u>Outside Plant</u> Poles, wire, cable underground installations	UR	200,000					X
V-13	<u>Central Office Equipment</u> Equipment, circuits and stations	UR	275,000					X
	<u>Additional Outside Plant Equipment*</u>	RB	500,000			X		
	<u>Additional Central Office Equipment*</u>	RB	250,000			X		
	<u>Building and Land*</u> Central headquarter for engineering, line crews, warehouse, maintenance, shops and administration	RB	500,000			X		
	<u>Additional Outside Plant Equipment*</u>	RB	200,000				X	
	<u>Additional Central Office Equipment*</u>	RB	2,000,000				X	
	<u>Additional Central Office Equipment*</u>	RB	<u>300,000</u>					X
			Total *		\$3,750,000			
Value of Improvements Scheduled	1961-1965 Total	1961	1962	1963	1964	1965		
	\$3,265,000	\$640,000	\$1,200,000	\$475,000	\$475,000	\$475,000		

\* Additional to be spent if \$4 million bond issue is approved by June 1962. Figures not included in main list of project costs.

VI. FIRE PROTECTION

A. <u>Metropolitan Area Needs</u>	<u>Estimated Costs</u>
Total Estimated Cost of Facilities needed to 1980 (Rounded)	\$3,155,000.00
Less Value of Existing Facilities	<u>1,025,000.00</u>
Estimated Value of New Facilities	\$2,130,000.00

Metropolitan Area Needs

	<u>1980</u> Population	<u>1980</u> Area (acres)	Ladders	Pumpers	Bldgs. (sq. ft.)	Site Area (sq. ft.)	Estimated Total Cost
Campbell	9,000	4,265		1	2,000	6,000	\$ 76,000.00
Chugach Foothills	10,000	4,670		1	2,000	6,000	76,000.00
DeBarr	17,400	3,980		2	2,000	12,000	114,000.00
Huffman	15,700	3,582		2	2,000	12,000	114,000.00
Otis	18,800	3,940		2	2,000	12,000	114,000.00
Sand Lake	14,600	4,143		2	2,000	12,000	114,000.00
Spenard	33,900	2,840		4	5,000	30,000	259,000.00
Government Hill	8,000		(Served from Transport Center)				
Mountain View	4,610	4,218		2	2,000	12,000	114,000.00
Turnagain Heights	6,800		(Served from Spenard)				
Rabbit Creek	3,000		(Served from Huffman & Chugach)				
Aviation Center		3,905					
Airport (immediate requirement)-		(3 Crash Trucks)		1	7,000	43,000	630,500.00
		(1 Tanker)					
Industrial				2	2,000	12,000	150,000.00
Metropolitan Center	28,000	1,910	2	4	9,000	86,000	452,000.00
Production Center		1,575	2	4	9,000	86,000	452,000.00
Transport Center		770		2	2,000	12,000	150,000.00
University Center	29,900	4,680	1	4	7,000	30,000	339,000.00
Other							
(Military On-Base, Reserve, Non-Usable)	25,000	39,808					
Total Estimated Cost							\$3,154,500.00

Estimated Costs:

1 Pumper	\$26,000.00
1 Ladder	\$30,000.00
Buildings	\$22.00 per sq. ft.
Site Area	\$1.00 to \$1.50 per sq. ft.

Fire Department estimates that the above facilities can be distributed in 5 buildings within the City, and 15 throughout the Planning Areas, on a total of 9.4 acres.

Equipment needed totals 71 pieces.

B. City Needs

Project Number	Project Title	Financing	Project Cost	1961	1962	1963	1964	1965
VI-1	<u>Spenard Area</u> 2 Pumpers and Building (also covers Turnagain Heights)	GOB	\$150,000			X		
VI-2	<u>Lake Otis Fire Station</u> Temporary Location at Lake Otis and Northern Lights	GOB	35,000		X			

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Value of Improvements Scheduled	1961-1965 Total	1961	1962	1963	1964	1965
	\$185,000	--	\$35,000	\$150,000	--	--

VII. POLICE PROTECTION

A. Metropolitan Area Needs

Stations	Buildings	Site	Equipment	Total
1. Metropolitan Center- Transport Center	\$650,000	\$130,000	\$125,000	\$905,000
2. Aviation Center, Spensard, Sand Lake, Production Center	100,000	15,000	14,000	129,000
3. University Center, Mountain View, DeBarr	100,000	25,000	15,000	140,000
4. Otis, Campbell, Huffman, Chugach Foothills, Rabbit Creek	100,000	5,000	18,000	<u>123,000</u>
Estimated Cost of Facilities needed to 1980				\$1,297,000
Less Value of Existing Facilities				<u>683,000</u>
Estimated Cost of New Facilities				\$ 614,000

B. City Needs

No buildings, site or equipment needs anticipated by Police Department through 1965 within present City.

VIII. STREETS AND HIGHWAYS

A. Metropolitan Area Needs

	Lanes	Linear Miles	Cost Per Mile	Estimated Cost
Freeways	6	30	\$1,000,000.00	\$30,000,000.00
Parkways	4	32	350,000.00	11,200,000.00
Major Thoroughfares	4 (Divided)	48	225,000.00	10,800,000.00
Minor Thoroughfares	2	400	175,000.00	<u>70,000,000.00</u>
Total Estimated Costs to 1980				\$122,000,000.00
Less Value of Existing Facilities				<u>7,400,000.00</u>
Estimated Cost				\$114,600,000.00

B. City Program

The \$465,000.00 General Obligation Street Improvement Bonds offered for sale by the City on August 8, 1961, are part of the \$2,000,000.00 of such bonds authorized at a special election on May 29, 1956. Previously issued bonds total \$1,535,000.00.

Proceeds of the sale of all the bonds will be used for the purpose of providing money to improve streets and public ways within the City and to do other work necessary in connection therewith.

With the completion of projects set up for the 1961 construction season, approximately 36% of Anchorage's streets will be paved. All occupied areas of the City have street lights.

Approximately \$2,985,000 worth of improvements is scheduled for the 1961-1965 planning period.

Project Number	Project Title	Financing	Project Cost	1961	1962	1963	1964	1965
VIII-1	The access road to the Port of Anchorage Description: Part of Port contract already committed.	GFR	\$ 15,000			X		
VIII-2	The waterfront access road in the Alaska Railroad Reserve, including moving railroad tracks	SAB	110,000			X		
VIII-3	The extension of Bragaw Road southward from DeBarr Road to a point 100 feet south of the north property line of the East Senior High School	SA	50,000	X				
VIII-4	Access road to P.A.R.C.A. in the Goose Lake area (Circulation in conformance with General Plan)	SA	10,000				X	
VIII-5	North-South Alaska Methodist University road	SAB	90,000				X	
VIII-6	Northern Lights extended to Boniface Road	SAB	200,000					X
VIII-7	Alley pavement in downtown City (16 blocks)	SA	65,000					X
VIII-8	Westchester Urban Renewal	GOB	150,000					X
VIII-9	Eastchester Urban Renewal	GOB	200,000					X
VIII-10	East 15th Avenue	SAB	115,000		X			
VIII-11	Sidewalk Rehabilitation (Downtown)	SA	10,000		X			
VIII-12	Alley Improvement (Grand View Gardens)	SA	19,000		X			
VIII-13	Gambell, 3rd to 4th	SA	15,000			X		
VIII-14	Karluk, 5th to 15th, 9th & Gambell to Karluk	SAB	170,000		X			
VIII-15	15th to 16th, L Street to G Street	SAB	140,000		X			
VIII-16	13th, "S" to "N" -- "N", 11th to 13th -- 12th, "L" to "N"	SAB	90,000		X			



Project Number	Project Title	Financing	Project Cost	1961	1962	1963	1964	1965
VIII-17	9th, L to P -- P, 9th to 12th -- 12th, P to S -- Birch Way	SAB	\$125,000		X			
VIII-18	C Street connection to Arctic Boulevard	SAB	200,000			X		
VIII-19	So. Addition	SAB	325,000					X
VIII-20	Grandview Gardens	SAB	500,000				X	X
VIII-21	3rd Avenue F to L	SA	36,000				X	
VIII-22	15th and L to Minnesota Arterial	SAB	350,000				X	

Value of Improvements Scheduled	1961-1965 Total	1961	1962	1963	1964	1965
	\$2,985,000	\$50,000	\$669,000	\$340,000	\$736,000	\$1,190,000

IX. PARKS AND RECREATION

A. Metropolitan Area Needs

1. Major Park Areas (Combination Public Agency Developments)

Regional Parks 4,450 acres

East Foothills Area

Metropolitan Area Parks 3,686 acres

Point Woronzof, Point Campbell  
Knik Arm (Coastal)  
Turnagain Arm (Coastal)

Central Park 671 acres

Tina Lake Area

Community Parks\* 173 acres

	<u>Acres</u>
Campbell	3
DeBarr	21
Huffman	19
Otis	19
Sand Lake	17.5
Spenard	41
Government Hill	9.5
Mountain View	5
Turnagain Heights	8
Metropolitan Center	34
University Center	36

8,980 acres @ \$2,000.00

\$17,960,000.00  
(Continued)

\* See footnote on following page

Major Park Areas (from preceding page)			\$17,960,000.00
2. Metropolitan Greenbelt System (Combination Public-Private Open Space)			(No Estimate)
Ship Creek	7.2 miles		
Chester Creek	7.5 miles		
Campbell Creek	18.6 miles		
Furrow Creek	4.0 miles		
Rabbit Creek	4.1 miles		
Little Rabbit Creek	3.0 miles		
Other	<u>3.1 miles</u>		
Total	47.5 Lin.Miles		
Average width throughout:	100 feet	500 acres	
3. Creekside Parks and Open Space 47.5 Lin.Miles, 100 feet deep = 500 acres			(No Estimate)
4. Special Recreation Features			\$15,090,000.00
Zoo, Arboretum, Botanical Garden	225 Acres	\$8,000,000.00	
5 Golf Courses (18 Holes Each)	660 Acres	5,000,000.00	
30 Tennis Courts	60 Acres	400,000.00	
10 Enclosed Swimming Pools	20 Acres	1,600,000.00	
Open Storage, 9,000 sq.ft. @ \$5.00		45,000.00	
Warehouse, 4,500 sq.ft. @ \$10.00		45,000.00	
			<hr/>
	Estimated 1980 Need		\$33,050,000.00
	Value of Existing Facilities		<u>162,500.00</u>
	Estimated Total of New Facilities Needed		\$32,887,500.00
		(Rounded)	(\$32,888,000.00)

\* A standard for community parks is 3.5 acres 1,000 people, with ideal sites varying from 40 to 100 acres and a service radius of 2 miles. In the Anchorage Metropolitan Area, 225,000 people would need approximately 785 acres of community parks. This figure can be approximated by combining the community park estimates and the Metropolitan Area Greenbelt system, as noted above, in addition to City parks already in existence.

B. City Program

The citizens of Anchorage approved bond issues totalling \$300,000 in the period 1955-1960 for the development of park lands.

The \$150,000 General Obligation Park and Recreation Bonds offered for sale by the City on August 8, 1961, were authorized at a special election on October 6, 1959. The proceeds of the sale of the bonds will be used for the purpose of providing money to acquire park land.

City Park Ownership, 1961\*

Park Strip (A to P Streets, 9th to 10th Avenue)	24 Acres
Goose Lake	100 Acres
Russian Jack Springs	320 Acres
Chester Creek	100 Acres
Westchester	100 Acres
Chester Creek East	30 Acres
Spenard Lake	160 Acres
Small Areas	16 Acres
Elderberry Park	
Nichols Park	
Government Hill	
East 20th Street	

Approximately \$419,400 worth of improvements is scheduled for the 1961-1965 planning period.

\* Estimated Value of City Recreation Facilities, 1961.  
(Improvements only)

\$162,500.00

Project Number	Project Title	Financing	Project Cost	1961	1962	1963	1964	1965
IX-1	<u>Smith Park Improvements and Ball Diamond</u>	GOB	\$ 93,400	X				
IX-2	<u>Park Development, Government Hill Urban Renewal Project</u> \$25,000 was requested in 1961 for construction of a park according to the approved urban renewal plan.	GOB	25,000				X	
IX-3	<u>Park Development, Westchester Urban Renewal Area</u> \$20,000 is requested in 1963 for this project which is in the preliminary planning stage. It is recommended that \$20,000 be made available from sales of bonds to be amortized in 10 years.	GOB	20,000				X	
IX-4	<u>Bootleggers Cove Park, Dam and Lagoon</u> Additional land acquisition.	GF	5,000	X				
IX-5	<u>Mountain View Community Park</u> (5 acres)	GOB	10,000		X			
IX-6	<u>Turnagain Heights Community Park</u> (3 acres)	GOB	16,000				X	
IX-7	<u>Chester Creek Greenbelt</u>	GOB	50,000			X		
IX-8	<u>Swimming Pool at Goose Lake</u>	GOB	200,000					X

Value of Improvements Scheduled	1961-1965 Total	1961	1962	1963	1964	1965
	\$419,400	\$98,400	\$10,000	\$50,000	\$61,000	\$200,000

X. LIBRARIES

A. Metropolitan Area Needs

Metropolitan Area Main Library and Headquarters  
(University Center) \$2,850,000.00

Building 3 Stories, 147' x 147'	\$2,000,000.00
Site, 2-1/2 to 3 acres	100,000.00
Books	750,000.00

\*Branch Libraries, (5 @ \$305,000 each) 1,525,000.00  
Loussac (Downtown)

1. Government Hill - Mountain View
2. Spenard - Turnagain Heights
3. Sand Lake
4. Otis - Campbell
5. Huffman - Chugach Foothills - Rabbit Creek

Additional Needs 95,000.00

3 Bookmobiles @ \$20,000	\$ 60,000.00
Garage & Site (50'x100' @ \$7 sq.ft.)	35,000.00

Estimated Cost of Facilities Needed to 1980 \$4,470,000.00

Value of Existing Facilities 350,000.00

Estimated Cost of Additional Facilities \$4,120,000.00

* Estimated Cost for each branch library	(\$ 305,000.00)
Building 50'x100' @ \$25 sq.ft.	125,000.00
Site & Parking, 35,000 sq.ft.	45,000.00
Equipment	10,000.00
Books	125,000.00

Present library budget totals about \$80,000 per year, or about \$2 per capita. Librarian estimates are that about \$3 per capita will be needed to operate the total metropolitan area system to serve 225,000 people.

American Library Association Standards:

Minimum: 1 Library per 25,000 to 50,000 Population  
Ideal: 1 Library per 10,000 to 15,000 Population

B. City Needs

Project Number	Project Title	Financing	Project Cost	1961	1962	1963	1964	1965
X-1	<u>Library Suburban Bookmobile</u>	GOB	\$ 20,000			X		
X-2	<u>Main Library and Headquarters site acquisition</u>	GF	30,000				X	

Value of Improvements Scheduled	1961-1965 Total	1961	1962	1963	1964	1965
	\$50,000	--	--	\$20,000	\$30,000	--



XI. PARKING STRUCTURES - City Needs

	Parking Spaces	
	<u>1960</u>	<u>1980</u>
Curb Parking	2,187	3,337
Parking Lots	1,628	26,663*

\*Estimated space required for off-street municipal parking structures to house approximately 24,654 parking spaces:

13 6-level structures having 1,800 spaces each will house 23,400 automobiles

Land and Space Required for each 6-level structure:

<u>Total Spaces</u>	<u>Space Each Level</u>	<u>Sq. Ft. Per Space</u>	<u>Area of Each Floor</u>	<u>Total Bldg. Area (6 floors)</u>
1,800	300	300	90,000 sq. ft.	540,000 sq. ft.

Estimated Cost Per Structure:

Downtown Land :	90,000 sq. ft.	@ \$10 sq. ft.	\$ 900,000.00
Building Costs:	540,000 sq. ft.	@ \$10 sq. ft.	<u>5,400,000.00</u>
		Cost Per Structure	\$6,300,000.00
	1980 Need, 13 Structures		\$81,900,000.00

Project Number	Project Title	Financing	Project Cost	1961	1962	1963	1964	1965
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XI-1	<u>Parking Bowl Structure, 3rd between C and D</u> Total cost and financing to be determined. Could be build privately on land leased from City. Estimated cost of structure would be \$2,500 per parking space.						X	
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Value of Improvements Scheduled	1961-1965 Total	1961	1962	1963	1964	1965
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XII. PORT FACILITIES (Transport Center)

Estimated Needs	Amount	Unit Cost	Total
Site Area	76.4 acres	\$20,000/acre	\$ 1,528,000.00
Berthing	2,200 lin.ft.	\$7,000/ft.	15,400,000.00
Roadway	1,000 lin.ft.	\$30/ft.	30,000.00
RR Leads, Spurs	1,000 lin.ft.	\$30/ft.	30,000.00
Water Lines	1,000 lin.ft.	\$17/ft.	17,000.00
Sewer Lines	1,000 lin.ft.	\$12/ft.	12,000.00
Gantry Cranes	4	\$200,000 each	800,000.00
50 Ton Mobile Crane	1		80,000.00
Boats	2	\$1,000 each	2,000.00
Forklifts	7	\$15,000 each	105,000.00
Coal Unloading Equipment			100,000.00
Warehouse	254,000 sq.ft.	\$10 sq.ft.	<u>2,540,000.00</u>
Total Estimated 1980 Need			\$20,644,000.00
Less Value of Existing Facilities			<u>5,300,000.00*</u>
Estimated Cost of New Facilities			\$15,344,000.00
(Rounded)			(\$15,350,000.00)

Projects to be programmed over an 8 year period.  
 Additional facilities through 1965 not foreseen at this time.

\* Balance of \$8.2 million bond funds to be classified for construction and operating needs.

XIII. AIRPORTS -- MERRILL FIELD

Project Number	Project Title	Financing	Project Cost	1961	1962	1963	1964	1965
XIII-1	<u>Garage Building</u>	GF	\$ 6,000				X	
XIII-2	<u>Tower Facility</u>	GOB	60,000	X				
XIII-3	<u>Storm Drainage and Grading</u>	GOB	30,000		X			
XIII-4	<u>Taxiway Paving</u>	GOB	150,000					X

Value of Improvements Scheduled	1961-1965 Total	1961	1962	1963	1964	1965
	\$246,000	\$60,000	\$30,000	--	\$6,000	\$150,000

XIV. CITY OF ANCHORAGE PUBLIC BUILDINGS  
 (1980 Building Space, Site Area, Vehicles, Special Equipment Needs  
 for an estimated 2,180 employees)

<u>Summary of Estimated Costs</u>	<u>Estimated Costs</u>
Building Space, 100,350 sq.ft. @ \$22/sq.ft.	\$2,207,000.00
Site Area, 402,000 sq.ft. @ \$5/sq.ft.	2,010,000.00
Vehicles (Pickup Trucks, Automobiles) 710 @ \$3,000	2,130,000.00
Special Equipment (Partial)	<u>2,216,800.00</u>
Estimated Costs to 1980	\$8,563,800.00
(Rounded)	(\$8,564,000.00)

XIV-b. CITY OF ANCHORAGE  
 (Employees, Building Space, Site Area, Vehicles, Special Equipment)

Department	Employees	Building Space (Sq.Ft.)	Site Area <sup>1</sup> (Sq.Ft.)	Vehicles	Equipment <sup>2</sup>
City Attorney/R-0-W	26	3,500	14,000	5	
City Clerk	39	7,000	28,000	3	
City Manager	7	750	3,000	2	
Personnel	9	1,000	4,000		
Airport	4	1,000	4,000	3	
Health	65	15,000	60,000	39	\$ 61,800.00
Controller	135	15,000	60,000	2	
Court Offices (2)	5	4,800	19,200		
Council Chambers	9	3,000	12,000		
Fire	350				*
Library	95			2	*
Municipal Light & Power	70	14,000	56,000	46	*
Recreation	96	900	3,600	15	
Planning	25	6,000	24,000	5	
Police	500			88	*
Port	15	6,100	24,400	5	*
Public Works	355	13,500	54,000	345	\$2,150,000.00
Tax Assessor	40	4,800	19,200	30	
Telephone	350			120	*
Public Conference/ Meeting Rooms		<u>4,000</u>	<u>16,000</u>		<u>5,000.00</u>
	2,195	100,350	402,000	710	\$2,216,800.00

1. Site area is estimated as four times building area.
2. Special equipment for Health, Public Works and Conference Room has been noted on the following page. Departments indicated by \* have their special equipment listed as part of their total operation needs (see individual sections). Remaining departments may have their special equipment needs listed at a later date.

XIV-c CITY OF ANCHORAGE  
Special Equipment Needs

Health Department

Office and Operating Equipment \$ 61,800.00

Public Conference/Meeting Rooms (6) 5,000.00

300 Folding Chairs @ \$10	\$3,000.00
6 Blackboards @ \$100	600.00
8 Conference Tables @ \$100	800.00

Public Works \$2,150,000.00

Office Equipment & Instruments	\$ 100,000.00
Operating Equipment	2,050,000.00

XIV-d CITY OF ANCHORAGE  
Corporation Yards

	<u>Site</u>	<u>Building</u>	<u>Equipment</u>	<u>Total</u>
Headquarters Yard (Expanded to 10 Acres)	\$20,000	\$450,000	\$800,000	\$1,270,000
Satellite Equipment Stations (1 to 1-1/4 acres each)				
Location 1	\$ 2,500	\$150,000	\$300,000	\$ 452,500
Location 2	2,500	150,000	300,000	452,500
Location 3	2,500	150,000	300,000	452,500
Location 4	2,500	150,000	300,000	<u>452,500</u>
		Estimated 1980 Need		\$3,080,000
		Less Value of Existing Facilities		<u>\$ 425,000</u>
		Estimated Cost of New Facilities		\$2,655,000

Project Number	Project Title	Financing	Project Cost	1961	1962	1963	1964	1965
XIV-1	<u>New City Hall</u> Site area acquisition	GOB	\$ *					X
XIV-2	<u>Civic Center</u> Site area acquisition	GOB	*					X
XIV-3	<u>Corporation Yard</u> Reconstruct existing yard.	GF	25,000			X		
XIV-4	<u>Satellite Equipment Station No. 1</u>	GOB	452,500				X	
XIV-5	<u>Health Department</u>	GF	30,000			X	X	X

\* Total costs undetermined.

Value of Improvements Scheduled	1961-1965 Total	1961	1962	1963	1964	1965
	\$507,500	--	--	\$35,000	\$462,500	\$10,000



XV. URBAN RENEWAL (City Share Only)

Project Number	Project Title	Financing	Project Cost	1961	1962	1963	1964	1965
XV-1	<u>Eastchester Urban Renewal</u>	GOB	\$364,000				X	
XV-2	<u>Mountain View Urban Renewal</u> Rehabilitation with spot clearance	GOB	Cost estimates unavailable					
XV-3	<u>Fairview Urban Renewal</u> Rehabilitation and clearance for commercial or high density residential development consistent with the site's proximity to the Central Business District.	GOB	Cost estimates unavailable					
XV-4	<u>Spenard Urban Renewal</u> Rehabilitation and clearance	GOB	Cost estimates unavailable					

Note: Under the "Depressed Area" designation, the City share can be estimated at one-fourth of the total cost.

Value of Improvements Scheduled	1961-1965 Total	1961	1962	1963	1964	1965
	\$364,000	--	--	--	\$364,000	--