

MUNICIPALITY OF ANCHORAGE – CIP - 1
DEPARTMENT CAPITAL NEEDS ANALYSIS

Department	Transportation
Program Category	Port Terminal Facilities

POLICY GOALS

The mission of the Port of Anchorage is to provide a terminus for direct water transportation of commercial cargos to and from Anchorage. This has been accomplished. The Port must now upgrade its facilities, modernize its equipment, and expand its capacity in order to make it possible for its present carriers to increase the volume of their business, and to attract new customers, which will stimulate the economic development of the community.

SIX-YEAR DEPARTMENT GOALS AND STRATEGY

Protect and maintain existing facilities to greatest degree feasible and practicable.

Improve facilities to aid in ease and efficiency of cargo handling.

Develop all available land area in order to attract new commercial trade.

PRIORITY CRITERIA

1. Mayor's Policy Guidelines
2. Facility Preservation
3. Growth Requirements

MUNICIPALITY OF ANCHORAGE — CIP - 2
EXISTING CAPITAL BUDGET SUMMARY

Department	Transportation
Project Category	Terminal Facilities

EXISTING CAPITAL IMPROVEMENT BUDGET/PROJECTS COMPLETED DURING PRIOR YEAR

PROJECT TITLE/COST CENTER	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS
Buy-back, lease-back funding for permanent Trestle No. 3 346001	1,500	112	Project 100% complete. Project completed \$112,212 under estimate. Balance to be held in abeyance pending outcome of project listed immediately following.
Reimbursement for portion of 1975 RO/RO construction beneficial to Port operation/346002	400	400	Negotiations underway to determine beneficial portion of 1975 construction.
Cathodic protection Terminals 1, 2, 3, and Petroleum Terminal 39PT01 361100	1,335	2,250	Original concept was to install protection in stages. Project expanded to protect all terminals at substantial cost savings. Project 60% complete as of 12/31/80. Completion date for all terminals scheduled for 11/81.
Office furniture, etc. 30PT03	5	4	1981 acquisition as required.
Construction of security gate 30PT04	25	-0-	Project cancelled. Funds returned to retained earnings.
Port sewage disposal 30PT05	200	200	In planning stages.
Port Marketing and Development Plan 361200	396	94.5	Project to be completed in two phases. Phase I is complete. Contract negotiations are underway for Phase II. Appropriation of \$60,000 from Port fund balance will be required to complete project. Phase II is scheduled for completion 11/81.
Develop Lot 12-A	4,228	-0-	Project static pending grant award.
Lateral stability of Terminal No. 1	982	979	Engineering contract to be awarded in May, 1981. Construction scheduled for completion 10/82.

MUNICIPALITY OF ANCHORAGE – CIP - 2
EXISTING CAPITAL BUDGET SUMMARY

Department	Transportation
Project Category	Terminal Facilities

EXISTING CAPITAL IMPROVEMENT BUDGET/PROJECTS COMPLETED DURING PRIOR YEAR			
PROJECT TITLE/COST CENTER	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS
Furniture and equipment	5	5	1981 acquisition as required.
Roll-off parking area for Gantry cranes.	2,014	-0-	Project static pending grant award.
Reimbursement for instal- lation of cathodic pro- tection - Terminals 2 and 3	1,000	-0-	Project funded from retained earning pending reimbursement.
Vehicle replacement	8	8	1981 acquisition.

MUNICIPALITY OF ANCHORAGE
CAPITAL PROJECT CATEGORY SUMMARY

DEPARTMENT: TRANSPORTATION

PROJECT CATEGORY: PORT

	THOUSANDS OF DOLLARS						FUTURE PROJECT COST	PRIOR YEARS APPROP	TOTAL PROJECT COST
	1982	1983	1984	1985	1986	1987			
CAPITAL INVESTMENT COSTS									
PLANNING AND DESIGN	619	173	1,594	0	450	3,135	5,971		
LAND AND R.O.W.	0	0	0	0	0	0	0		
CONSTRUCTION	4,124	5,175	11,350	0	3,000	24,300	47,949		
EQUIPMENT	5,405	1,000	0	0	0	55	6,460		
INTERFUND CHARGES	94	355	97	0	26	212	784		
OTHER	0	93	51	0	0	169	313		
TOTAL	10,242	6,796	13,092	0	3,476	27,871	61,477	0	61,477
SOURCE OF FUNDS							TOTAL FUNDS	REIMBUR SABLES	NON-REIM BURSABLES
G.O. BONDS AUTH.									
G.O. BONDS UNAUTH.	0	0	0	0	0	0	0	0	
REVENUE BONDS	0	0	0	0	0	0	0		
FEDERAL GRANT	0	0	0	0	0	0	0	0	
STATE GRANT	8,786	6,796	13,092	0	3,476	27,814	59,964	59,964	
CONTRIBUTIONS	0	0	0	0	0	0	0		
OPERATING REV	1,456	0	0	0	0	57	1,513		
OTHER	0	0	0	0	0	0	0		
TOTAL	10,242	6,796	13,092	0	3,476	27,871	61,477	59,964	1,513

THIS CATEGORY CAUSES NO SIGNIFICANT INCREASE IN TAX SUPPORTED OPERATING COSTS

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MUNICIPALITY OF ANCHORAGE – CIP - 5
CAPITAL IMPROVEMENT PROJECT SCOPE SUMMARY

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Department	Transportation	Account Code	0571-3461
Program Category	Port of Anchorage	Project Category	Terminal Facilities
PROJECT TITLE	SUMMARY OF PROJECT SCOPE		
Development of Transit Area D.	Survey, filling, buttressing and drainage required to improve and reclaim water-front parcel of approximately 7 acres. Scheduled completion 10/82.		
Purchase Front-end Loader and Grader - #7.	To replace worn-out and rented quipment.		
Construction of Administration Building.	Construct new Administration building at site in Port area to be determined.		
Replacement of Gantry Cranes.	Replacement of Gantry cranes erected in 1961 with diesel, hydraulic, level-luffing cranes compatible with present rail system.		
Office and Maintenance Shop Equipment.	Expenditure as required.		
Purchase High-Lift Boom Truck.	New equipment to facilitate light replacement, crane maintenance, etc.		
Construction of "Piggy-Back" Facility.	Construction of a "piggy-back" loading and unloading facility (including equipment) following rail relocation to eastern boundary of Industrial Park.		
Removal of 1/3 of Transit Shed.	Remove west one-third of Transit Shed to provide additional operating area at dock face of Terminal No. 1.		
Installation of Underground Utilities.	Replace overhead with underground utilities in Port Industrial Park.		
Expansion of Transit Areas B and C.	Project will consist of the closure of Tidewater Road at Trestle No. 2, the removal of existing fencing and the filling and paving of unimproved areas. Result will be one large secured transit area.		
Develop and Pave Lot 9-B.	Grading, filling and paving of Port Industrial Park parcel located southeast of Terminal facility.		
POL Dock Adaptation to Dry Cargo Terminal.	Reinforcement, widening and lengthening of Petroleum Terminal to accommodate general cargo vessels as well as petroleum tankers.		

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Department				Transportation				Account Code				0571.3461			
Program Category				Port of Anchorage				Project Category				Terminal Facilities			
PROJECT TITLE				TOTAL PROJECT COST						BONDS		OTHER LOCAL		STATE OR FEDERAL FUNDS	
				1982	1983	1984	1985	1986	1987	<input type="checkbox"/> G.O.	<input type="checkbox"/> REV				
THOUSANDS OF DOLLARS															
Construct Trestle From POL Dock to Ocean Dock Lead									3,476					3,476	
Bridge Wharves to Transit Areas										22,782				22,782	
Purchase Fire/Rescue Boat										57		57			
Construct Grain Elevator										5,032				5,032	
TOTALS				10,242	6,796	13,092	-0-		3,476	27,871			1,513	59,964	

MUNICIPALITY OF ANCHORAGE – CIP - 5
CAPITAL IMPROVEMENT PROJECT SCOPE SUMMARY

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Department Transportation	Account Code 0571-3461
Program Category Port of Anchorage	Project Category Terminal Facilities
PROJECT TITLE	SUMMARY OF PROJECT SCOPE
Construct Trestle from POL Dock to Ocean Dock Lead.	Construction of a trestle to connect terminal to Ocean Dock Road following completion of project listed above.
Bridge Wharves to Transit Areas.	Project will consist of driving piling and constructing decking to bridge existing docks to transit area breakwaters. This will provide additional staging area and will allow an unrestricted flow from dockside into the transit areas.
Purchase Fire/Rescue Boat.	Purchase combination fire/rescue boat.
Construction of Grain Elevator.	Construct grain elevator in Transit Area D to accommodate Big Delta barley shipments.

MUNICIPALITY OF ANCHORAGE – CIP - 1
DEPARTMENT CAPITAL NEEDS ANALYSIS

Department	Transportation
Program Category	Airport

POLICY GOALS

To improve existing airport facilities and to systematically develop new airport facilities to meet the increasing needs of general aviation.

- Improve taxiway and runway systems
- Increase aircraft tiedown parking spaces
- Improve vehicle routes within the Airport boundaries
- Acquire heavy equipment to improve field maintenance capabilities
- Acquire buffer land in runway clear and approach zones

SIX-YEAR DEPARTMENT GOALS AND STRATEGY

- Plan for programs to provide facilities that will safely and adequately meet the growing general aviation demand in the Anchorage area.
- Implement the projects scheduled in the Master Plan consistent with demand levels.
- Increase the airport's role as a major transportation facility serving Anchorage and outlying areas within Alaska, by providing a general aviation terminal complex and a microwave instrument landing system.
- Maximize the use of Federal Airport Development Aid Program (ADAP) grants to finance airport improvement projects.
- Acquisition of buffer land in runway clear and approach zones to enhance safety and reduce land use conflict.

PRIORITY CRITERIA

1. Mayor's Policy Guidelines
2. Merrill Field Master Plan
3. Availability of Grant Funds
4. Growth Demands on General Aviation Airports

MUNICIPALITY OF ANCHORAGE – CIP - 2
EXISTING CAPITAL BUDGET SUMMARY

Department	Transportation
Project Category	Airport

EXISTING CAPITAL IMPROVEMENT BUDGET/PROJECTS COMPLETED DURING PRIOR YEAR

PROJECT TITLE/COST CENTER	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS
1978 Airport Improvements Overlay runway 6/24 Erosion Control Fence (north boundary) Snowdozer Runway 15/33 Diagonal Exits Overlay north taxiway	951		Project is completed. The fencing project installed along southern boundary due to a future alignment of new service road along the north boundary.
1979 Master Plan Airport Improvements - Construct Runway 15/33 Diagonal exits; Taxiway D-1 and E-1; Apron E-2 West; Apron E-2 East; Apron A and B; Improve electrical vault; Taxiway A; fencing; erosion control	1,274	2,340	15% complete; project engineering and design phase completed; construction is scheduled to begin in April 1981 with completion by October 1981.
1980 Clear Zone Land Acquisition	2,200	1,670	Acquisition of a part of 42.5 acres located south side of 15th Avenue in the clear zone to runway 33 is in progress. A second grant request is in the grant draft phase to seek the additional funds necessary to complete this acquisition.

MUNICIPALITY OF ANCHORAGE
CAPITAL PROJECT CATEGORY SUMMARY

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DEPARTMENT: TRANSPORTATION

PROJECT CATEGORY: AIRPORT

	THOUSANDS OF DOLLARS						FUTURE PROJECT COST	PRIOR YEARS APPROP	TOTAL PROJECT COST
	1982	1983	1984	1985	1986	1987			
CAPITAL INVESTMENT COSTS									
PLANNING AND DESIGN	470	146	255	156	231	62	1,320		
LAND AND R.O.W.	425	0	0	0	0	0	425		
CONSTRUCTION	2,542	832	2,735	893	1,320	1,054	9,376		
EQUIPMENT	4	0	425	0	0	124	553		
INTERFUND CHARGES	242	61	346	67	99	0	815		
OTHER	0	0	0	0	0	0	0		
TOTAL	3,683	1,039	3,761	1,116	1,650	1,240	12,489	0	12,489
SOURCE OF FUNDS							TOTAL FUNDS	REIMBUR SABLES	NON-REIM BURSABLES
G.O. BONDS AUTH.									
G.O. BONDS UNAUTH.	0	0	0	0	0	0	0	0	
REVENUE BONDS	0	0	2,521	0	0	0	2,521		
FEDERAL GRANT	3,325	935	1,131	1,004	1,485	1,153	9,033	9,033	
STATE GRANT	178	52	55	56	83	44	468	468	
CONTRIBUTIONS	0	0	0	0	0	0	0		
OPERATING REV	180	52	54	56	82	43	467		
OTHER	0	0	0	0	0	0	0		
TOTAL	3,683	1,039	3,761	1,116	1,650	1,240	12,489	9,501	2,988

THIS CATEGORY CAUSES NO SIGNIFICANT INCREASE IN TAX SUPPORTED OPERATING COSTS

MUNICIPALITY OF ANCHORAGE – CIP - 4
CAPITAL IMPROVEMENT PROJECT FINANCIAL SUMMARY

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Department	Transportation						Account Code	0581-3521		
Program Category	Airport						Project Category	Airport		
PROJECT TITLE	TOTAL PROJECT COST						BONDS		OTHER	STATE OR
	1982	1983	1984	1985	1986	1987	<input type="checkbox"/> G.O.	<input type="checkbox"/> REV	LOCAL	FEDERAL FUNDS
	THOUSANDS OF DOLLARS									
Miscellaneous Equipment	4								4	
Land Acquisition	500								17	483
Construct Tiedown Apron E-3	913								46	867
Improve Taxiway B/Taxiway Links	1,343								67	1,276
Improve Taxiway A	423								21	402
Overlay Taxiway E1 and E2	500								25	475
Airport Maintenance Building		882							44	838
Improve Transient Parking Apron		157							8	149
Construct Taxiways D2 and F1			740						37	703
Construct General Aviation Terminal			2,521					2,521		
Microwave Instrument Landing			500						17	483
Construct Tiedown Apron F3				1,116					56	1,060
Construct Service Road System F1, E1, E2 and E3					1,650				82	1,568
Construct Tiedown Apron E-4						1,240			43	1,197
TOTALS	3,683	1,039	3,761	1,116	1,650	1,240		2,521	467	9,501

MUNICIPALITY OF ANCHORAGE – CIP - 5
CAPITAL IMPROVEMENT PROJECT SCOPE SUMMARY

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Department	Transportation	Account Code	0581-3521
Program Category	Airport	Project Category	Airport
PROJECT TITLE	SUMMARY OF PROJECT SCOPE		
Miscellaneous Equipment	Miscellaneous Maintenance Equipment		
Land Acquisition	Acquire land located to the West side of Runway 15/33 to preserve aircraft clear zone.		
Tiedown Apron E3	Construct new tiedown Apron E3.		
Taxiway B/Taxiway Links	Widen and overlay Taxiway B. (south taxiway) and all connecting taxiway links.		
Taxiway A	Overlay Taxiway A (north taxiway).		
Overlay Taxiways E1 and E2	Permanent overlay on new taxiway constructed in 1981.		
Maintenance Facility	Relocation and expansion of Airport Maintenance Building.		
Transient Parking Apron	Improve the transient overflow parking apron after maintenance building is moved.		
Taxiways D2 and F1	Construct new taxiway links D2 and F1.		
General Aviation Terminal	Remodel and expand existing Flight Service Station building to accommodate use as a General Aviation Terminal.		
Microwave Landing System	Install Microwave Instrument Landing System.		
Tiedown Apron F3	Construct new tiedown Apron F3.		
Construct Service Road System F1, F2, E1, E2 and E3	Construct new perimeter service road linking existing airport road system to provide complete service road transportation network within airport boundaries.		
Construct Tiedown Apron E-4	Construct Tiedown Apron E-4.		

MUNICIPALITY OF ANCHORAGE – CIP - 1
DEPARTMENT CAPITAL NEEDS ANALYSIS

Department	Transportation
Program Category	Public Transit

POLICY GOALS

Comprehensive Plan- Transit Goal: To establish an efficient Public Transportation system that accomodates public mobility needs, has a variety of transportation modes, and which provides maximum positive impacts on the community.

Objectives - To provide for the citizens of the Anchorage Municipality the highest feasible level of Public Transit service.

To develop mass Transit service as an effective mode of Transportation for meeting employment, educational and social travel needs.

To operate efficiently and economically in support of energy conservation, air quality control and safe and expedient traffic movement.

SIX-YEAR DEPARTMENT GOALS AND STRATEGY

To accomplish the Transit expansion objective, the six year Capital Improvement Program proposes expansion of the operations and maintenance facility, additional passenger transfer and accomodation features, modernization of bus destination signs, communication equipment and performance data compilation systems. The six year program includes one hundred fifteen 45- passenger coaches and twenty 70-passenger articulated coaches. Safety and service conveniences include placement of 60-passenger shelters, construction of 60 bus turnouts, three park and ride lots, three transfer facilities, installation of information accessibility equipment for the hearing impaired, and 510 additional signed bus stops.

The supplemental transportation program for the elderly and handicapped is supported with the proposed acquisition of seven additional vans.

This proposed Capital Improvement Program is intergral to meeting the projected 30% annual passenger growth factor for the ensuing six year period.

PRIORITY CRITERIA

1. Mayor's Policy Guidelines
2. Anchorage Metropolitan Area Transportation Study Plan- (AMATS)
3. Grant Availability

MUNICIPALITY OF ANCHORAGE -- CIP - 2
EXISTING CAPITAL BUDGET SUMMARY

Department	Transportation
Project Category	Public Transit

EXISTING CAPITAL IMPROVEMENT BUDGET/PROJECTS COMPLETED DURING PRIOR YEAR

PROJECT TITLE/COST CENTER	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS
<u>Prior Year Projects 1977</u>			
Bus shelter and BAC	303	280	92% complete- \$22,856 remains for purchase of 3 shelters. Estimated completion 9/1/81.
Bus stop signs	23	29	Completed 8/1/81.
<u>Prior Year Projects 1978</u>			
Transit Coaches (10)	1000		Completed July 1981.
<u>Prior Year Projects 1979</u>			
Bus stop shelters	28		Awaiting UMTA approval Phase II, Section "3" Grant.
Park and Ride Lots	96		Delayed by UMTA until further justification and definition of scope.
Transit Coaches (20)	452		Three UMTA Grants awarded 1980. Five buses to be received 7/5/81. Remainder to be received 6/82.
Bus stop turnouts	46		Awaiting UMTA approval Phase II-Section "3" Grant.
Accommodation Centers	15		Delayed by UMTA until further justification and definition of scope.
Bus stop route signs	3		Related to Park and Ride Lots.
			Awaiting UMTA approval Phase II- Section "3" Grant.
<u>Prior Year Projects 1980</u>			
Transit Coaches (10)	1515		Going out for bid. Estimated completion 6/82.
Shop Expansion Design	118		Delayed until 1981.
Highway bus turnouts (10)	257		Grant Draft Phase.
Bus Shelters (20)	92		Grant Draft Phase.
<u>Prior Year Projects 1981</u>			
Transit Facility Expansion			
P and E for Phase I,II,&III	1400		Awaiting UMTA approval. Phase II, Section "3" Grant.
Transit Coaches (20)	2700		To be purchased with State Funding. Estimated completion 1982 and 1983.
Supplemental Vans (3)	81		To be completed 10/1/81.
Highway Bus Turnouts (10)	500		Grant Draft Phase.
Bus stop shelters (10)	69		Grant Draft Phase.
Information Bus stop signs (50)	10		Grant Draft Phase.
Design East Transfer Facility	20		Grant Draft Phase.
Support vehicles	18		Awaiting UMTA Grant approval, Phase II, Section "3".

MUNICIPALITY OF ANCHORAGE
CAPITAL PROJECT CATEGORY SUMMARY

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DEPARTMENT: TRANSPORTATION

PROJECT CATEGORY: TRANSIT

	THOUSANDS OF DOLLARS						FUTURE PROJECT COST	PRIOR YEARS APPROP	TOTAL PROJECT COST
	1982	1983	1984	1985	1986	1987			
CAPITAL INVESTMENT COSTS									
PLANNING AND DESIGN	78	19	188	27	30	0	342		
LAND AND R.O.W.	157	459	774	338	370	970	3,068		
CONSTRUCTION	7,486	9,364	15,711	1,084	1,282	0	34,927		
EQUIPMENT	4,047	3,790	4,162	5,681	8,332	6,606	32,618		
INTERFUND CHARGES	0	0	0	0	0	0	0		
OTHER	0	0	0	0	0	0	0		
TOTAL	11,768	13,632	20,835	7,130	10,014	7,576	70,955	0	70,955

SOURCE OF FUNDS							TOTAL FUNDS	REIMBUR SABLES	NON-REIM BURSABLES
	1982	1983	1984	1985	1986	1987			
G.O. BONDS AUTH.									
G.O. BONDS UNAUTH.	0	0	0	0	0	0	0	0	
REVENUE BONDS	0	0	0	0	0	0	0		
FEDERAL GRANT	8,669	9,895	11,626	6,611	9,302	7,331	53,434	53,434	
STATE GRANT	3,083	3,737	9,209	519	712	245	17,505	17,505	
CONTRIBUTIONS	0	0	0	0	0	0	0		
OPERATING REV	16	0	0	0	0	0	16		
OTHER	0	0	0	0	0	0	0		
TOTAL	11,768	13,632	20,835	7,130	10,014	7,576	70,955	70,939	16

OPERATING AND MAINTENANCE COST ESTIMATE							OPERATING BUDGET UNITS WITH MAJOR IMPACTS		
	1982	1983	1984	1985	1986	1987			
OPERATING EXPENDITURES	0	1,042	4,225	9,137	16,063	25,239	3210		
OPERATING REVENUES	0	200	863	1,372	1,740	2,477	3220		
TRANSIT FEES							3230		
NET OPERATING COST	0	842	3,362	7,765	14,323	22,761	3240	0	

MUNICIPALITY OF ANCHORAGE – CIP - 4
CAPITAL IMPROVEMENT PROJECT FINANCIAL SUMMARY

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Department Transportation				Account Code 0585 - 3221					
Program Category Public Transit				Project Category Transit					
PROJECT TITLE	TOTAL PROJECT COST						BONDS	OTHER LOCAL	STATE OR FEDERAL FUNDS
	1982	1983	1984	1985	1986	1987	<input type="checkbox"/> G.O. <input type="checkbox"/> REV		
	THOUSANDS OF DOLLARS								
Facility Expansion, Phase I Construction	6378								6378
45 Passenger Transit Coaches (20)	3267								3267
Supplemental Transportation Vans (2)	65								65
Highway Bus Turnouts (10)	605								605
Fleet Modernization (LED Signs)	303								303
Shop Equipment, Brake Machine, Wheel Balancer, Arc Welder	30								30
Communication Equipment; UHF Two-way repeater, Four channel	303								303
Teletype Hearing Impairment Equipment; six units	6								6
Bus Stop Information Signs (370)	45								45
East Central Transfer Facility Consturction	363								363
South Anchorage Trnasfer Facility (P. and E)	24								24
Federal Complex Accomodation Center. (P & E and construction)	363								363
Office Equipment for personnel	16							16	
TOTALS	11768							16	11,752

MUNICIPALITY OF ANCHORAGE – CIP - 5
CAPITAL IMPROVEMENT PROJECT SCOPE SUMMARY

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Department	Transportation	Account Code	0585 - 3221
Program Category	Public Transit	Project Category	Transit
PROJECT TITLE	SUMMARY OF PROJECT SCOPE		
Facility Expansion for bus storage and maintenance. Phase I construction.	Expansion of present bus maintenance and storage facility. Construction of Phase I to accomodate indoor storage for 100 Transit coaches.		
45-passenger buses. (20)	Will provide for expanded service and decreased headways and will allow for retirement of older buses.		
Supplemental Vans. (2)	Purchase two vans with wheelchair lifts to provide supplemental transportation to the elderly and handicapped.		
Highway bus turnouts (10)	Construct ten highway bus turnouts to provide loading areas on major arterial corridors.		
Fleet Modernization.	Purchase and install light emitting diode signs (LEDS).		
Shop equipment expansion.	Purchase and install a brake drum lathe, a spin wheel balancer and a heavy duty mobile arc welder.		
Communication equipment, UHF Two-way repeater, Four channels.	Purchase and install UHF two-way radios, four channel capacity on entire fleet. To include base station equipment, repeater station, and eight mobile units.		
Teletype hearing impairment equipment for six units.	Purchase and install six specially equipped teletype communication units for the hearing impaired individual. Six units to be located at the Hill Building, 6th and G Street; BAC. Federal Complex BAC, and three other areas to be designated.		
Bus stop information signs (370)	Purchase and install bus stop route information signs at designated locations.		
East Central Transfer Facility Construction phase.	Provides for improved patron accessibility and ease of transferring to another route.		
South Anchorage Transfer Facility (P. and E.)	Complete plans and engineering for a transfer facility in the South Anchorage area. This will allow for patron accessibility and ease of transfer to another bus.		
Federal Complex Passenger Accomodation Center. P. and E. and construction.	Plans, engineering and construction for a major passenger accomodation center at the Federal Building Complex. Will allow for sale of bus tokens, passes and the dispensing of route information.		
Office Equipment for Expansion	Office equipment is for the addition of personnel listed in sevice level six plus replacement of old surplus furniture currently in use. In addition, certain items have been included in totals that represent items previously needed, not requested.		

MUNICIPALITY OF ANCHORAGE – CIP - 4
CAPITAL IMPROVEMENT PROJECT FINANCIAL SUMMARY

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Department Transportation				Account Code 0585 - 3221					
Program Category Public Transit				Project Category Transit					
PROJECT TITLE	TOTAL PROJECT COST						BONDS <input type="checkbox"/> G.O. <input type="checkbox"/> REV	OTHER LOCAL	STATE OR FEDERAL FUNDS
	1982	1983	1984	1985	1986	1987			
	THOUSANDS OF DOLLARS								
Facility Expansion. Phase II Construction.		7980							7980
45- passenger Transit Coaches (20)		3591							3591
Bus Turnouts (10)		665							665
Supplemental Transportation Van (1)		36							36
South Anchorage Transfer Facility, Construction		1064							1064
Bus Stop Signs (20)		3							3
Minor Accomodation Center (1)		133							133
Bus shelters (20)		160							160
TOTALS		13632							13632

MUNICIPALITY OF ANCHORAGE – CIP - 5
CAPITAL IMPROVEMENT PROJECT SCOPE SUMMARY

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Department Transportation		Account Code 0585 - 3221	
Program Category Public Transit		Project Category Transit	
PROJECT TITLE		SUMMARY OF PROJECT SCOPE	
Bus Maintenance and storage facility Phase II construction		Construct Phase II of the bus facility expansion to complete maintenance expansion for a 200 bus fleet.	
45-passenger Transit buses (20)		Purchase twenty 45-passenger transit coaches to provide for expanded service and decreased headways.	
Bus turnouts (10)		Construction of ten highway bus turnouts to provide for safe loading areas on major arterial corridors.	
Supplemental Van (1)		Purchase of one wheelchair equipped passenger van to provide supplemental transportation service to the elderly and handicapped.	
South Anchorage Transfer Facility Construction.		Construct a major transfer facility in the South Anchorage area. Will be heated and provide patrons improved accessibility and ease of transferring capability.	
Bus stop signs (20).		20 bus stop informational signs to provide patrons with expanded service information.	
Minor Accomodation Center (1)		Plan, design, engineering and construction of minor accomodation center. Location to be determined later. Will provide for patron accessibility and ease of transfer to another route.	
Bus shelters (20)		Purchase and install or construct 20 bus shelters to provide patrons with adequate protection from inclement weather.	

MUNICIPALITY OF ANCHORAGE – CIP - 4
CAPITAL IMPROVEMENT PROJECT FINANCIAL SUMMARY

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Department				Account Code						PAGE 40	
Transportation				0585 - 3221							
Program Category				Project Category							
Public Transit				Transit							
PROJECT TITLE	TOTAL PROJECT COST						BONDS <input type="checkbox"/> G.O. <input type="checkbox"/> REV	OTHER LOCAL	STATE OR FEDERAL FUNDS		
	1982	1983	1984	1985	1986	1987					
THOUSANDS OF DOLLARS											
Facility Expansion Phase III Construction			14600						14600		
45-passenger Transit Coaches (20)			3942						3942		
Bus stop signs (30)			6						6.		
Park 'N Ride Lots (2)			1022						1022		
Eagle River Transfer Facility P. and E.			29						29		
Supplemental Van (1)			39						39		
Bus turnouts (10)			730						730		
Bus shelters (20)			175						175		
Minor Accomodation Center (1)			292						292		
TOTALS			20835						20835		

**MUNICIPALITY OF ANCHORAGE — CIP - 5
CAPITAL IMPROVEMENT PROJECT SCOPE SUMMARY**

PAGE 41

Department Transportation		Account Code 0585 - 3221	
Program Category Public Transit		Project Category Transit	
PROJECT TITLE		SUMMARY OF PROJECT SCOPE	
Bus storage facility expansion, Phase III construction.		Construct Phase III of the bus maintenance and storage facility to complete storage area expansion to accomodate indoor storage for 200 buses and eight service vehicles.	
45-passenger Transit Coaches, (20)		Purchase twenty 45-passenger transit coaches. Will provide for expanded service and decreased headways.	
Bus stop signs (20) + (10)		Purchase and install 20 bus stop signs to provide transit patrons with expanded service information; purchase and install ten information signs.	
Park 'N Ride Lots (2)		Purchase land and R.O.W. for construction of two park 'n ride lots.	
Eagle River transfer facility, P. and E.		Plan and engineer a major transfer facility in the Eagle River area. Structure will be heated and will provide transit patrons with improved accessibility.	
Supplemental Van (1)		Purchase one wheelchair equipped passenger van to provide supplemental transportation service for the elderly and handicapped.	
Bus turnouts (10)		Construct ten highway bus turnouts to provide for safe loading areas for patrons on major arterial corridors.	
Bus shelters (20)		Purchase and install or construct 20 bus shelters to provide patrons with adequate protection from inclement weather.	
Minor accomodation center- P. and E. and construction.		Plans, engineering, and construction of a minor accomodation center. Location to be determined later. Will provide for transit patron accessibility and ease of transfer to another route.	

**MUNICIPALITY OF ANCHORAGE – CIP - 4
CAPITAL IMPROVEMENT PROJECT FINANCIAL SUMMARY**

PAGE 42

Department Transportation				Account Code 0585 - 3221					
Program Category Public Transit				Project Category Transit					
PROJECT TITLE	TOTAL PROJECT COST						BONDS <input type="checkbox"/> G.O. <input type="checkbox"/> REV	OTHER LOCAL	STATE OR FEDERAL FUNDS
	1982	1983	1984	1985	1986	1987			
	THOUSANDS OF DOLLARS								
45-passenger Transit Coaches (25)				5434					5434
Supplemental Van (1)				43					43
Eagle River transfer facility. Construction				483					483
Bus turnouts (10)				805					805
Minor Accomodation Center (1) P. and E. and Construction				161					161
Bus shelters (10)				193					193
Bus stop signs (50)				11					11
TOTALS				7130					7130

MUNICIPALITY OF ANCHORAGE – CIP - 5
CAPITAL IMPROVEMENT PROJECT SCOPE SUMMARY

PAGE 43

Department	Transportation	Account Code	0585 - 3221
Program Category	Public Transit	Project Category	Transit
PROJECT TITLE	SUMMARY OF PROJECT SCOPE		
45-passenger Transit Coaches (25)	Purchase twenty five 45-passenger transit coaches. Will provide for expanded service and decreased headways.		
Supplemental Van (1)	Purchase one wheelchair equipped passenger van to provide supplemental transportation service for the elderly and handicapped.		
Eagle River transfer facility. Construction	Construct a major transfer facility in the Eagle River area. Will provide transit patrons with improved accessibility.		
Bus turnouts (10)	Construct ten highway bus turnouts to provide for safe loading areas for transit patrons on major arterial corridors.		
Minor Accomodation Center. (1) P. and E. and construction.	Plan, engineer, and construct a minor accomodation center. Location to be determined. Will provide transit patrons with improved accesibility and protection from inclement weather.		
Bus shelters (20)	Purchase and install or construct 20 bus stop shelters to provide patrons with adequate protection from inclement weather.		
Bus stop signs (30 + 20)	Purchase and install 30 bus stop signs for expanded service requirements. Purchase and install 20 bus stop information signs for expanded information.		

**MUNICIPALITY OF ANCHORAGE – CIP - 4
CAPITAL IMPROVEMENT PROJECT FINANCIAL SUMMARY**

PAGE 44

Department Transportation				Account Code 0585 - 3221					
Program Category Public Transit				Project Category Transit					
PROJECT TITLE	TOTAL PROJECT COST						BONDS <input type="checkbox"/> G.O. <input type="checkbox"/> REV	OTHER LOCAL	STATE OR FEDERAL FUNDS
	1982	1983	1984	1985	1986	1987			
THOUSANDS OF DOLLARS									
70-passenger articulated buses (20)					7080				7080
45-passenger transit coaches (5)					1195				1195
Supplemental Van (1)					48				48
Park 'N Ride Lot (1)					620				620
Bus turnouts (10)					855				855
Bus stop signs (40)					9				9
Minor Accomodation Center (1)					177				177
TOTALS					10014				10014

MUNICIPALITY OF ANCHORAGE – CIP - 5
CAPITAL IMPROVEMENT PROJECT SCOPE SUMMARY

PAGE 45

Department Transportation		Account Code 0585 - 3221	
Program Category Public Transit		Project Category Transit	
PROJECT TITLE		SUMMARY OF PROJECT SCOPE	
70-passenger Articulated Buses (20)		Purchase twenty 70-passenger articulated buses. Will provide transit patrons with increased capacity on heavily traveled routes. Will decrease headways.	
45-passenger transit coaches (5)		Purchase five 45-passenger transit coaches. Will provide for expanded service and decreased headways.	
Supplemental Van (1)		Purchase one wheelchair equipped passenger van to provide supplemental transportation service for the elderly and the handicapped.	
Park 'N Ride Lot (1)		Purchase land and R.O.W. for construction of one Park 'N Ride Lot.	
Bus turnouts (10)		Construct ten highway bus turnouts to provide for safe passenger loading areas on major arterial corridors.	
Bus stop signs (30 + 10)		Purchase and install thirty bus stop signs; purchase and install ten bus stop information signs. Will provide for increased passenger information.	
Minor Accomodation Center P. and E. and construction		Plan, engineer, and construct a minor accomodation center. Location to be determined later. Will provide for increased passenger accessibility and protection from inclement weather.	

**MUNICIPALITY OF ANCHORAGE – CIP - 4
CAPITAL IMPROVEMENT PROJECT FINANCIAL SUMMARY**

PAGE 46

Department Transportation				Account Code 0585 - 3221					
Program Category Public Transit				Project Category Transit					
PROJECT TITLE	TOTAL PROJECT COST						BONDS <input type="checkbox"/> G.O. <input type="checkbox"/> REV	OTHER LOCAL	STATE OR FEDERAL FUNDS
	1982	1983	1984	1985	1986	1987			
THOUSANDS OF DOLLARS									
45-passenger transit coaches (25)						6548			6548
Supplemental Van (1)						58			58
Bus turnouts (10)						970			970
TOTALS						7576			7576

**MUNICIPALITY OF ANCHORAGE – CIP - 5
CAPITAL IMPROVEMENT PROJECT SCOPE SUMMARY**

PAGE 47

Department Transportation	Account Code 0585 - 3221
Program Category Public Transit	Project Category Transit
PROJECT TITLE	SUMMARY OF PROJECT SCOPE
<p>45-passenger transit coaches (25)</p> <p>Supplemental Van (1)</p> <p>Bus turnouts (10)</p>	<p>Purchase twenty five 45-passenger transit coaches. Will provide patrons with expanded service and decreased headways.</p> <p>Purchase one wheelchair equipped passenger van to provide supplemental transportation services to the elderly and handicapped.</p> <p>Construct ten highway bus turnouts. Will provide passengers with safe loading areas on major arterial corridors.</p>

MUNICIPALITY OF ANCHORAGE -- CIP - 1
DEPARTMENT CAPITAL NEEDS ANALYSIS

Department	Transportation
Program Category	Traffic Engineering

POLICY GOALS

To establish and maintain an efficient Transportation System that accommodates the public needs within current fiscal policy:

- OBJECTIVES
- (A) To improve the safety and capacity of the existing streets and highways system
 - (B) To provide for the systematic extension of the present streets and highways system to serve newly developing areas
 - (C) To promote and develop a Multimodal Transportation System that reduces dependency on the automobile
 - (D) To develop and maintain a current Transportation Information System

SIX-YEAR DEPARTMENT GOALS AND STRATEGY

The Six Year Traffic Engineering Goals to achieve the established Policy Goals are:

- (A) Install or remodel five (5) traffic signal installations/year
- (B) Construct two (2) major channelization projects/year
- (C) Install five (5) collector and arterial street lighting projects/year
- (D) Improve traffic flow/lighting in two (2) residential areas/year

PRIORITY CRITERIA

The project area priorities were based upon the following criteria:

- (A) Traffic Signal and Channelization Installations - current traffic volume/capacity ratio, intersection accident rate, projected traffic volume/capacity ratio, system continuity
- (B) Street Lighting Projects - roadway classification, current and proposed traffic volumes concurrent roadway reconstruction

MUNICIPALITY OF ANCHORAGE – CIP - 2
EXISTING CAPITAL BUDGET SUMMARY

Department	Transportation
Project Category	Traffic Engineering

EXISTING CAPITAL IMPROVEMENT BUDGET/PROJECTS COMPLETED DURING PRIOR YEAR

PROJECT TITLE/COST CENTER	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS
<u>SIGNALIZATION/CHANNELIZATION</u>			
36th Avenue and Denali Street	100	100	Under construction, to be completed by August, 1981
36th Avenue and "C" Street	100	100	Under construction, to be completed by August, 1981
Mt. View Drive & Commercial Drive	149	149	Under construction, to be completed by March, 1981
20th Avenue & Lake Otis Parkway	135	135	Under construction, to be completed by June, 1981
36th Avenue & Spenard Road	135	135	Delayed to 1983 to coincide with Public Works improvement of 36th Avenue
Arctic Boulevard - Northern Lights Boulevard to Benson Boulevard	90	90	Under design, constructed to be completed by September, 1981
1981 Improvements	555	555	Awaiting project funding
<u>STREET LIGHTING IMPROVEMENTS</u>			
Mt. View Drive - Taylor Street to Bragaw Street	40	40	Under construction, to be completed by March, 1981
36th Avenue - Old Seward Highway to Arctic Boulevard	100	100	Under construction, to be completed by June, 1981
Fireweed Lane - Spenard Road to Arctic Boulevard	30	30	Design completed for 1981 construction season
Commercial Drive - Taylor to 3rd Avenue	175	175	Design completed for 1981 construction season

MUNICIPALITY OF ANCHORAGE – CIP - 2
EXISTING CAPITAL BUDGET SUMMARY

Department	Transportation
Project Category	Traffic Engineering

EXISTING CAPITAL IMPROVEMENT BUDGET/PROJECTS COMPLETED DURING PRIOR YEAR

PROJECT TITLE/COST CENTER	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS
<u>1981 STREET LIGHTING</u>	935	935	Awaiting funding
<u>INTEGRATED TRAFFIC INFORMATION SYSTEM</u>	160	160	Design phase is being completed with final implementation to be completed during 1982
<u>PEDESTRIAN WALKWAYS</u>	70	70	Design completed for 1981 construction
<u>1981 TRAFFIC IMPROVEMENTS AND PEDESTRIAN FACILITIES</u>			Awaiting funding

MUNICIPALITY OF ANCHORAGE
CAPITAL PROJECT CATEGORY SUMMARY

DEPARTMENT: TRANSPORTATION

PROJECT CATEGORY: TRAFFIC ENGINEERING

	THOUSANDS OF DOLLARS						FUTURE PROJECT COST	PRIOR YEARS APPROP	TOTAL PROJECT COST
	1982	1983	1984	1985	1986	1987			
CAPITAL INVESTMENT COSTS									
PLANNING AND DESIGN	252	144	361	177	197	217	1,348		
LAND AND R.O.U.	176	189	212	227	251	277	1,332		
CONSTRUCTION	1,780	1,759	4,114	2,113	2,313	2,537	14,616		
EQUIPMENT	307	211	448	260	287	316	1,829		
INTERFUND CHARGES	280	291	610	352	384	427	2,344		
OTHER	0	0	0	0	0	0	0		
TOTAL	2,795	2,594	5,745	3,129	3,432	3,774	21,469	0	21,469
SOURCE OF FUNDS							TOTAL FUNDS	REIMBUR SABLES	NON-REIM BURSABLES
G.O. BONDS AUTH.									
G.O. BONDS UNAUTH.	0	2,594	5,745	3,129	3,432	3,774	18,674	0	
REVENUE BONDS	0	0	0	0	0	0	0		
FEDERAL GRANT	0	0	0	0	0	0	0	0	
STATE GRANT	2,795	0	0	0	0	0	2,795	2,795	
CONTRIBUTIONS	0	0	0	0	0	0	0		
OPERATING REV	0	0	0	0	0	0	0		
OTHER	0	0	0	0	0	0	0		
TOTAL	2,795	2,594	5,745	3,129	3,432	3,774	21,469	2,795	18,674

OPERATING AND MAINTENANCE
COST ESTIMATEOPERATING BUDGET UNITS
WITH MAJOR IMPACTS

OPERATING EXPENDITURES	0	65	144	237	348	478	3310
OPERATING REVENUES	0	0	0	0	0	0	3320
NET OPERATING COST	0	65	144	237	348	478	0

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**MUNICIPALITY OF ANCHORAGE – CIP - 5
CAPITAL IMPROVEMENT PROJECT SCOPE SUMMARY**

PAGE 53

Department Transportation	Account Code
Program Category Traffic Engineering	Project Category Traffic Engineering
PROJECT TITLE	SUMMARY OF PROJECT SCOPE
1982 Signalization/Channelization	<p>This project is scheduled to install or upgrade five signalized intersections/year and two major channelization projects. Based upon current traffic information and Public Works projects the following locations and/or other priority locations will be improved:</p> <ol style="list-style-type: none"> 1) DeBarr Road and Turpin Road - signalization 2) Arctic Boulevard and Dimond Boulevard - signal upgrade 3) 36th Avenue and Spenard Road - signalization 4) Other critical intersections needing signalization and channelization as priorities are updated.
1982 Street Lighting	<p>This project will install or upgrade roadway lighting as follows:</p> <ol style="list-style-type: none"> 1) Street lighting will be installed on collector streets and arterial streets that are being constructed to a final design by the Department of Public Works. 2) Existing street lighting will be converted to the more energy efficient high pressure sodium lighting. This project will upgrade G Street and E Street from 4th Avenue to 15th Avenue. 3) Many subdivisions have substandard or no street lighting at all. This project will provide funds to provide street lighting in the south addition area and Spenard area on a requested basis.
1982 Traffic Engineering Improvements	<p>This project will complete the following items:</p> <ol style="list-style-type: none"> 1) Installation of permanent pavement markings on E and G Streets from 4th Avenue to 15th Avenue. 2) Install a microwave link from the CBD signal system to the computer center. 3) Installation of signing and permanent pavement markings in conjunction with Public Works roadway projects. 4) Construction of residential traffic improvements as needed.

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[illegible]

**MUNICIPALITY OF ANCHORAGE – CIP - 5
CAPITAL IMPROVEMENT PROJECT SCOPE SUMMARY**

PAGE 55

Department Transportation		Account Code	
Program Category Traffic Engineering		Project Category Traffic Engineering	
PROJECT TITLE		SUMMARY OF PROJECT SCOPE	
McKay Building Parking Lot Paving	This project will pave the municipality owned parking lots north of the McKay Building.		
Pedestrian Facilities	This project will install one grade-separated crossing facility each year.		
Traffic Information System	This project will complete the integrated traffic information system.		

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**MUNICIPALITY OF ANCHORAGE – CIP - 5
CAPITAL IMPROVEMENT PROJECT SCOPE SUMMARY**

PAGE 57

Department Transportation		Account Code 0441-3361
Program Category Traffic Engineering		Project Category Traffic Engineering
PROJECT TITLE	SUMMARY OF PROJECT SCOPE	
1983 Signalization/Channelization	<p>This project is scheduled to install or upgrade five signalized intersections/ year and complete two major channelization projects. Based upon current traffic information and programmed Public Works projects, the following locations and/or other priority locations will be improved:</p> <ol style="list-style-type: none"> 1) Northern Lights and Wisconsin Street - signalization 2) Northwood Drive and Dimond Boulevard - signalization upgrade 3) Wisconsin Street and Spenard Road - signalization 4) Other critical intersections needing signalization and channelization as priorities are updated. 	
1983 Street Lighting	<p>This project will install or upgrade roadway lighting as follows:</p> <ol style="list-style-type: none"> 1) Street lighting will be installed on collector streets and arterial streets that are being constructed to a final design by the Department of Public Works. 2) Existing street lighting will be converted to the more energy efficient high pressure sodium lighting. This project will upgrade Karluk and Medfra Streets from 15th Avenue to 5th Avenue. 3) Many subdivisions have substandard or no street lighting at all. This project will provide funds to provide street lighting in the Roads and Drainage Service Area based upon citizen requests. 	
1983 Traffic Engineering Improvements	<p>This project will complete the following items:</p> <ol style="list-style-type: none"> 1) Installation of permanent pavement markings on Bragaw Street from Glenn Highway to DeBarr Road. 2) Installation of signing and permanent pavement markings in conjunction with Public Works roadway projects. 3) Construction of Residential traffic improvement as needed. 	

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**MUNICIPALITY OF ANCHORAGE – CIP - 5
CAPITAL IMPROVEMENT PROJECT SCOPE SUMMARY**

PAGE 59

Department Transportation	Account Code
Program Category Traffic Engineering	Project Category Traffic Engineering
PROJECT TITLE	SUMMARY OF PROJECT SCOPE
Combined Shop/Maintenance Facility	This project will combine the three Traffic Engineering facilities into one building and one common outside storage area.
1984 Signalization/Channelization	<p>This project is scheduled to install or upgrade five signalized intersections/year and complete two major channelization projects. Based upon current and projected traffic information along with programmed Public Works projects, the following locations and/or other priority locations will be improved:</p> <ol style="list-style-type: none"> 1) Jewel Lake Road and Strawberry Road - signalization and/or channelization 2) Mt. View Drive and East 5th Avenue - signalization and/or channelization changes. 3) Other critical intersections needing signalization and channelization as priorities are updated.
1984 Street Lighting	<p>This project will install or upgrade roadway lighting as follows:</p> <ol style="list-style-type: none"> 1) Street lighting will be installed on collector streets and arterial streets that are being constructed to a final design by the Department of Public Works. 2) Existing street lighting will be converted to the more energy efficient high pressure sodium lighting. This project will upgrade lighting along the arterial/collector system. 3) Many subdivisions have substandard or no street lighting at all. This project will provide funds to provide street lighting in the Roads and Drainage Service Area as requested.
1984 Traffic Engineering Improvements	<p>This project will complete the following items:</p> <ol style="list-style-type: none"> 1) Installation of permanent pavement markings on the Municipal roadway system. 2) Installation of signs and permanent pavement markings in conjunction with Public Works projects. 3) Construction of residential traffic improvements as needed.

MUNICIPALITY OF ANCHORAGE – CIP - 4
CAPITAL IMPROVEMENT PROJECT FINANCIAL SUMMARY

PAGE 60

Department Transportation				Account Code 0441-3361					
Program Category Traffic Engineering				Project Category Traffic Engineering					
PROJECT TITLE	TOTAL PROJECT COST						BONDS <input checked="" type="checkbox"/> G.O. <input type="checkbox"/> REV	OTHER LOCAL	STATE OR FEDERAL FUNDS
	1982	1983	1984	1985	1986	1987	THOUSANDS OF DOLLARS		
1985 Signalization/Channelization				755			755		
1985 Street Lighting				1381			1381		
1985 Traffic Engineering Improve- ments				263			263		
1986 Signalization/Channelization					816		816		
1986 Street Lighting					1526		1526		
1986 Traffic Engineering Improve- ments					285		285		
1987 Signalization/Channelization						892	892		
1987 Street Lighting						1680	1680		
1987 Traffic Engineering Improve- ments						312	312		
TOTALS	2,795	2,594	5,745	3,129	3,432	3,774	18,674		2,795

MUNICIPALITY OF ANCHORAGE – CIP - 5
CAPITAL IMPROVEMENT PROJECT SCOPE SUMMARY

PAGE 61

Department Transportation	Account Code 0441-3361
Program Category Traffic Engineering	Project Category Traffic Engineering
PROJECT TITLE	SUMMARY OF PROJECT SCOPE
<p>1985 Signalization/Channelization</p> <p>1986 Signalization/Channelization</p> <p>1987 Signalization/Channelization</p>	<p>This project will upgrade critical intersections based upon the changing traffic conditions and the results of the Intersection Safety Study to be completed in March, 1981.</p>
<p>1985 Street Lighting</p> <p>1986 Street Lighting</p> <p>1987 Street Lighting</p>	<p>This project will install or upgrade roadway lighting as follows:</p> <ol style="list-style-type: none"> 1) Street lighting will be installed on collector streets and arterial streets that are being constructed to a final design by the Department of Public Works. 2) Existing street lighting will be converted to the more energy efficient high pressure sodium lighting. This project will upgrade lighting along the arterial/collector system. 3) Many subdivisions have substandard or no street lighting at all. This project will provide funds to provide street lighting in the Roads and Drainage Service Area as requested.
<p>1985 Traffic Engineering Improvements</p> <p>1986 Traffic Engineering Improvements</p> <p>1987 Traffic Engineering Improvements</p>	<p>This project will complete the following items:</p> <ol style="list-style-type: none"> 1) Installation of permanent pavement markings on the Municipal roadway system. 2) Installation of signing and permanent pavement markings in conjunction with Public Works projects. 3) Construction of Residential traffic improvements as needed.

MUNICIPALITY OF ANCHORAGE
CAPITAL PROJECT CATEGORY SUMMARY

Page 62

DEPARTMENT: TRANSPORTATION

PROJECT CATEGORY: AREA-WIDE COMMUNICATIONS

	THOUSANDS OF DOLLARS						FUTURE PROJECT COST	PRIOR YEARS APPROP	TOTAL PROJECT COST
	1982	1983	1984	1985	1986	1987			
CAPITAL INVESTMENT COSTS									
PLANNING AND DESIGN	0	0	0	0	0	0	0		
LAND AND R.O.W.	0	0	0	0	0	0	0		
CONSTRUCTION	0	53	12	13	14	16	108		
EQUIPMENT	0	163	28	31	34	38	294		
INTERFUND CHARGES	0	0	0	0	0	0	0		
OTHER	0	0	0	0	0	0	0		
TOTAL	0	216	40	44	48	54	402	0	402
SOURCE OF FUNDS							TOTAL FUNDS	REIMBUR SABLES	NON-REIM BURSABLES
G.O. BONDS AUTH.									
G.O. BONDS UNAUTH.	0	216	40	44	48	54	402	0	
REVENUE BONDS	0	0	0	0	0	0	0		
FEDERAL GRANT	0	0	0	0	0	0	0	0	
STATE GRANT	0	0	0	0	0	0	0	0	
CONTRIBUTIONS	0	0	0	0	0	0	0		
OPERATING REV.	0	0	0	0	0	0	0		
OTHER	0	0	0	0	0	0	0		
TOTAL	0	216	40	44	48	54	402	0	402
OPERATING AND MAINTENANCE COST ESTIMATE							OPERATING BUDGET UNITS WITH MAJOR IMPACTS		
OPERATING EXPENDITURES	0	2	10	20	32	46	0		
OPERATING REVENUES	0	0	0	0	0	0	0		
NET OPERATING COST	0	2	10	20	32	46	0		

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**MUNICIPALITY OF ANCHORAGE -- CIP - 5
CAPITAL IMPROVEMENT PROJECT SCOPE SUMMARY**

PAGE 64

Department Transportation		Account Code 0401-3341
Program Category Traffic Engineering		Project Category Areawide Communication
PROJECT TITLE	SUMMARY OF PROJECT SCOPE	
Areawide Communications Network	This project will install the final phase of the areawide communications and continue the equipment upgrade of the existing sites and users.	
Mobile Communications Repair Van	This project will purchase and equip a van to provide on site repair of the Municipal communications equipment.	