MUC 43

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

Department Transportation

Program Category Port of Anchorage

#### 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

- 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
--

EXISTING CAPITAL IMPROVEMENT BUDGET/PROJECTS COMPLETED DURING PRIOR YEAR								
PROJECT TITLE/COST CENTER	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS					
Construct equipment storage shop/346103	200	368.5	Carry-over from 1977. Project 100% complete. Delay occasioned by conteractor non-performance.					
Reimbursement for portion of 1975 RO/RO trestle construction beneficial to Port operations 346002	400	400	Negotiations underway to determine beneficial portion of 1975 construction.					
Cathodic protection - 361100, 39PT01	1,335	1354	Engineering design for all terminals completed 2/80 at cost of \$98,100. Contract to protect Terminals 1 and Petroleum Dock only to be awarded 5/80 at cost of \$790,250. Construction scheduled for completion 11/80. Additional funding will be required to protect Terminals 2 and 3. Project shown as first priority of 1981-86 CIP.					
Construction of security gate	25	25	Scheduled for completion 10/80.					
Port sewage disposal	200	200	In planning stage.					
Office furniture, etc.	5	5	1980 acquisition as required.					
,								

#### HUNICIPALITY OF ANCHORAGE CAPITAL PROJECT CATEGORY SUHHARY

DEPARTMENT-UTILITY: TRANSPORTATION		PROJ	ECT CATEGO	RY: PORT					
	*******	THO	USANDS OF	DOLLARS		*************	FUTURE PROJECT COST	PRIOR YEARS APPROP	TOTAL PROJECT COST
	1981	1982	1983	1984	1985	1986			
APITAL INVESTMENT COSTS		و وروز والله الله الله الله الله الله الله الل				والم جان ها		جه بين جين اينوا جين على خدد خد	
PLANNING AND DESIGN	417	520	47	94	630	1,984	3,692		
LAND AND R.O.W.	0	0	0	0	0	0	0,0,2		
CONSTRUCTION	7,490	7,847	3,375	1,350	9,000	28,350	57,412		
EQUIPMENT	12	350	0	5,000	0	1,050	6,412		
INTERFUND CHARGES	74	90	326	63	96	311	960		
OTHER	244	295	25	51	338	1,064	2,017		
TOTAL	8,237	9,102	3,773	6,558	10,064	32,759	70,493	0	70,493
		arsentaren:			:	: 四四四甲醇苯苯苯异氮	TOTAL	REIMBUR	NON-RE
DURCE OF FUNDS							FUNDS	SABLES	BURSAB
G.O. BONDS AUTH							1 01100	UNDELD	DUKSKD
G.O. BONDS UNAUTH.	0	0	0	Ö	0	۵	٥	0	
REVENUE BONDS	0	0	0	ō	ŏ	ŏ	ŏ	v	
FEDERAL GRANT	0	0	Ō	Ō	Ō	ō	Ô	a	
STATE GRANT	7,924	8,245	3,773	6,558	10,064	32,708	69,272	69,272	
CONTRIBUTIONS	0	. 0	0	0	0	0	0	y	
OPERATING REV	313	0	0	Ö	ō	Ŏ	313		
OTHER	0	857	0	0	0	51	908		
TOTAL	8,237	9,102	3,773	6,558	10,064	32,759	70,493	69,272	1,221

THIS CATEGORY CAUSES NO SIGNIFICANT INCREASE IN TAX SUPPORTED OPERATING COSTS

Department Transportation				Account Cod	0571	.3461			······································
Program Category Port of Anchorage				Project Categ					
	TOTAL PRO			OJECT COST		1	BONDS G.O.	OTHER	STATE OR FEDERAL
PROJECT TITLE	1981	1982	1983	1984	1985	1986	REV	LOCAL	FUNDS
				THOUS	SANDS OF DO	OLLARS		300 5 8 304 502	
Cathodic Protection, Terminals 2 and 3	1,000						P. Calador & B. Calaman P. Dollarian	300	700
Lateral Stability of Terminal No. 1.	982								982
Office Furniture & Equipment	5							5	
Replacement Vehicle	8							8	
Develop Transit Area D		3,213							3,213
Develop Lot 12-A	4,228				Average management of the second of the seco				4,228
Roll-off Parking Area for Gantry Cranes	2,014				AND				2,014
Purchase Front-end Loader & Grader		304						304	
Construct Administration Building		502						502	
Construct Grain Elevator		5,032							5,032
Purchase High-Lift Boom Truck		51						51	
Removal of one-third of Transit Shed			754					Explanation control of the control o	754
Installation of Underground Utilities			3,019						3,019
Replace Gantry Cranes				5,049			A service and the service and		5,049
TOTALS									

Department Transportation	Account Code 0571.3461
Program Category Port of Anchorage	Project Category Terminal Facilities
PROJECT TITLE	SUMMARY OF PROJECT SCOPE
Installation of Cathodic Protect- ion - Terminals 2 and 3	Provide protection from corrosion to the steel pipe foundations. Corrosion protection to Terminals 1 and Petroleum Dock will be accomplished during 1980.
Provide Lateral Stability to Terminal No. 1	Provision of additional lateral stability to earthquake damaged Terminal as recommended and researched by Consulting Engineers.
Office Furniture and Equipment	Expenditure as required.
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.
Development of Lot 12-A	Upgrading of usable 2.4 acres and development of additional 5 acres will require survey, extensive excavation and back-filling, buttressing and drainage. Scheduled completion 10/82.
Roll-off Parking Area for Gantry Cranes.	Construction of a double row of driven piling to accept rails and 440 amp electrica service. Completion of this project will facilitate crane movement along dock face and will allow for free positioning of cranes in any configuration.
Replacement Vehicle #2192 - one-half ton pick-up.	Worn-out, replace with 1 ton for heavy duty work
Purchase Front-end Loader and Gader - #7	To replace worn-out and rented equipment.
Construction of Administration Building.	Construct new Administration building at site in Port area to be determined.
Construction of Grain Elevator	Construct grain elevator in Transit Area D to accommodate Big Delta barley shipments.
Purchase High-Lift Boom Truck	New equipment to facilitate light replacement, crane maintenance, etc.
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.

Department Transportation	·/····································			Account Cod	05	71.3461			
Program Category Port of Anchorage				Project Cates	gory Te:	rminal Fac	ilities		
	TOTAL PF		TOTAL PRO	DJECT COST		1	BONDS G.O.	OTHER	STATE OR FEDERAL FUNDS
PROJECT TITLE	1981	1982	1983	1984	1985	1986	☐ G.O.	LOCAL	FUNDS
				THOU	SANDS OF D	OLLARS	1	· 1	<u> </u>
Expansion of Transit Areas B and C				1,509					1,509
Construct Rail Spur					10,064			**************************************	10,064
Reclaim Industrial Park Lands						1,007			1,007
Relocate Rail Lines						1,509			1,509
Construct "Piggy-Back" Facility	,					3,023			3,023
Relocate Ideal C@ment						7,044			7,044
Bridge Wharves to Transit Areas						20,125			20,125
Purchase Fire/Rescue Boat					PAR SATURBUM MARINE	51		51	
						****			
								AND	
								A THE LAND LAND LAND LAND LAND LAND LAND LAND	
								***	
TOTALS	8,237	9,102	3,773	6,558	10,064	32,759		1,221	69,272

Department Transportation	Account Code 0571.3461					
Program Category Port of Anchorage	Project Category Terminal Facilities					
PROJECT TITLE	SUMMARY OF PROJECT SCOPE					
Installation of Underground Utili- ties.	Replace overhead with undergound utilities in Port Industrial Park.					
Replacement of Gantry Cranes.	Replacement of Gantry cranes erected in 1961 with diesel, hydraulic, level-luffing cranes compatible with present rail system.					
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 and will allow unfettered cargo movement between transit areas and leased parcels in the Industrial Park.					
Construction of Rall Spur.	Construction of rail spur from Ocean Dock lead onto south end of dock.					
Reclaim Industrial Park Lands.	Reclamation of areas behind Shell Oil, Texaco, Sea-Land and TOTE if acquired from the military. Survey, drainage and filling will be required.					
Relocate Rail Lines	Rail lines will be relocated to eastern boundary of Industrial Park following land acquisition from military and subsequent reclamation (see above). Rail system will form a loop.					
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.					
Relocate Ideal Cement	Ideal Cement's operation will be moved from Lot 4-A to south end of Lot 12-C (waterfront). Project would include construction of a "T" dock for bulk, dry commodity handling.					
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.					

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

Department	
Transportation	
Program Catego Avirport	
TOOPT	
po. 0	

#### 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 tie-down parking spaces
- Improve vehicle routes within the Airport boundaries
- Acquire heavy equipment to improve field maintenance capabilities

#### SIX-YEAR DEPARTMENT GOALS AND STRATEGY

- Plan for programs to provide facilities that will safely and adquately 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.
- Maximize the use of Federal Airport Development Aid Program (ADAP) grants to finance airport improvement projects.

#### 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
	Mirport

			Arriport
EXIS	TING CAP	ITAL IMPE	ROVEMENT 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	951.0		Project is 85% completed. The fencing project has been deferred pending future alignment of new service road along the north boundary; erosion control project to be completed by October 1980.
1979 Master Plan Airport Improvements	1274.0		5% complete; project is in engineering and design phase; original completion date October 1980 revised due to delay in qcquiring contract for engineering services; project now estimated to be 50% complete by October 1980 with full completion by October 1981.

### NUNICIPALITY OF ANCHORAGE CAPITAL PROJECT CATEGORY SUMMARY

		THO	USANDS OF	FUTURE	PRIOR	TOTAL			
•	1981	1982	1983	1984	1985	1986	PROJECT Cost	YEARS APPROP	PROJECT COST
CAPITAL INVESTMENT COSTS									
PLANNING AND DESIGN	42	445	145	230	156	231	1,249		
LAND AND R.O.W.	711	0	0	0	0	Q	711		
CONSTRUCTION	0	2,542	832	2,734	893	1,320	8,321		
EQUIPMENT	0	. 0	0	. 0	0	, o	0		
INTERFUND CHARGES	83	191	62	294	67	99	799		
OTHER	0	0	0	0	0	0	0		
TOTAL	836	3,178	1,039	3,261	1,116	1,650	11,080	0	11,080
a de composition de la composition della composi	4 10 th 10 10 10 10 10 10 10 10 10 10 10 10 10		,				TOTAL	REIMBUR	NON-RE
SOURCE OF FUNDS							FUNDS	SABLES	BURSABL
G.O. BONDS AUTH	0								
G.O. BONDS UNAUTH		0	0	0	0	0	0	0	
REVENUE BONDS	0	0	0	2,521	0	0	2,521		
FEDERAL GRANT	627	2,840	935	666	1,004	1,485	7,578	7,578	
STATE GRANT	104	159	52	37	56	83	490	490	
CONTRIBUTIONS	0	0	0	0	ø	. 0	0		
OPERATING REV	105	159	52	. 37	56	83	491		
OTHER	0	0	0	Q	0	0	0		
							~~~~~~~~		

THIS CATEGORY CAUSES NO SIGNIFICANT INCREASE IN TAX SUPPORTED OPERATING COSTS

Department Transportation				Account Co	_	E91			
Program Categor Airport		and the second s		Project Cate	9581-3 Airport	:02.1 t		· · · · · · · · · · · · · · · · · · ·	
	TOTAL PR			ROJECT COST			BONDS	OTHER	STATE OR
PROJECT TITLE	1981	1982	1983	1984	1985	1986	G.O.	LOCAL	FEDERAL FUNDS
				THOU	JSANDS OF D	OOLLARS			
Land Acquisition Improve Taxiway B/Taxiway Links Improve Taxiway A Overlay Taxiway El & E2 Construct Tiedown Apron E-3 Airport Maintenance Building Improve Transient Parking Apron Construct Taxiways D2 & Fl Construct General Aviation Termin Construct Tiedown Apron F3 Construct Service Road System Fl, F2, El, E2 and E3		1,342 423 500 913	882 157	740 2,521	1,116	1650	2,521	105 66 21 25 46 44 8 37 56 83	731 1,276 402 475 867 838 149 703 1,060 1,567
TOTALS	836	3,178	1,039	3,261	1,116	1,650	2,521	491	8,068

Department Transportation	Account Code 0581 = 3521
Program Category Airport	Project Category Airport
PROJECT TITLE	SUMMARY OF PROJECT SCOPE
Land Acquisition	Acquire approximately 42.5 acres of land located to the south side of 15th Avenue to preserve clear zone for aircraft approach path.
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 El and E2	Permanent overlay on new taxiway constructed in 1981.
Tiedown Apron E3	Construct new tiedown apron E3.
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 Fl.
General Aviation Terminal	Remodel and expand existing Flight Service Station building to accommodate use as a General Aviation Terminal.
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.

#### 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 accommodates public needs, has a variety of transportation modes, serves both external and internal purposes, has a maximum positive impact on the community and reduces dependency on the automobile.

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

To develop Transit service as an effective alternative to the use of the private automobile in order to help relieve air pollution, traffic congestion, and enhance the conservation of energy.

To operate as efficiently and economically as possible to provide a service for citizens with no other mode of travel.

#### SIX-YEAR DEPARTMENT GOALS AND STRATEGY

To accomplish the Transit expansion objective, the six (6) year Capital Improvement Program proposes expansion of operations and maintenance facilities, including satellite terminals, passenger transfer and accommodation facilities, and modernization of bus destination signs, transfer issuing devices and performance data compilation systems. Also, in addition to the forty (40) buses programmed in fiscal years 1978, 1979, and 1980, which have not been physically realized, this six (6) year program includes one hundred ten (110) forty-five passenger coaches and twenty (20) seventy-passenger articulated coaches. Safety and service conveniences include placement of ninety (90) passenger shelters and construction of sixty (60) bus turnouts.

The supplemental transportation program for the elderly and handicapped is supported with the proposed acquisition of twenty (20) additional vans.

This proposed Capital Improvement Program is integral to meeting the thirty percent (30%) annual passenger growth factor for the ensuing six (6) year period.

#### PRIORITY CRITERIA

- Mayor's Policy Guidelines
- 2. Anchorage Metropolitan Area Transportation Study Plan
- 3. Grant Availability
- 4. System Growth

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

Department		
	Transportation	
Project Category	Trancit	

			Transit					
EXIS	TING CAPI	TAL IMPE	ROVEMENT BUDGET/PROJECTS COMPLETED DURING PRIOR YEAR					
PROJECT TITLE/COST CENTER Original Current Cost Est. Funding			EXPLANATION/STATUS					
Prior Year Projects 1977								
Maintenance Facility Bus Shelter & Station Contingencies Engineering & Design Communications Equipment Bus stop signs	1,778.0 303.0 62.2 85.0 20.0 23.4	280.0 116.8 36.2	Complete 92% Complete estimate completion September 1, 1980 Completion based on final audit & UMTA approved scope changes. Completion July 1, 1980 Completion October 1, 1980 Completion October 1, 1980					
1978	7 000 0							
10 Transit coaches	1,000.0		Completion March 1981.					
Bus stop shelters Park & Ride lots Transit coaches (20) Bus stop turnouts Accommodation Centers Bus stop route signs	28.0 96.0 452.0 46.0 15.0 3.0		Awaiting UMTA approval Phase II Title III Grant					
1980 Projects Transit coaches (10) Shop expansion design Highway bus turnouts (10) Bus shelters (20)	1		Grant draft phase Grant draft phase Grant draft phase Grant draft phase					

### MUNICIPALITY OF ANCHORAGE CAPITAL PROJECT CATEGORY SUNHARY

DEPARTMENT-UTILITY: TRANSPORTAT			ECT CATEGOR	RY: TRANS	IT				
110 = = = = = = = = = = = = = = = = = =		THOUSANDS OF DOL		OLLARS	LLARS		FUTURE	PRIOR	TOTAL
	1981	1982	1983	1784	1985	1986	PROJECT Cost	YEARS APPROP	
CAPITAL INVESTMENT COSTS		apar tama seba esak esak apar aka aka a					بيهو بيده بايند بهد ومدر الآياد الله الله الله الله الله الله الله ال		
PLANNING AND DESIGN	212	59	15	250	15	330	881		
LAND AND R.O.W.	0	69	333	74	37	187	700		
CONSTRUCTION	4,051	551	4,268	969	4.662	630	15.131		
EQUIPMENT	3,681	4,315	1.272	4.665	6.382	8.219	31.534		
INTERFUND CHARGES	564	122	620	145	173	42	1.664		
OTHER	0		0	0	0	0	0		
TOTAL		5,116	9,507	6,102		•	49,910	0	49,910
		the dad but was not the ajob term are and m					TOTAL	REIMBUR	NON-REIN
SOURCE OF FUNDS							FUNDS	SABLES	BURSABLE
G.O. BONDS AUTH	710								
G.O. BONDS UNAUTH		815	30	503	617	182	2,857	0	
REVENUE BONDS	0	0	0	0	0	0	0		
FEDERAL GRANT	6,768	4,245	7,379	5,093	9,088	4,713	37,286	37,286	
STATE GRANT	1,030	E- #-	0 000	F 4 19			9,767		
CONTRIBUTIONS	0	0	0	0	0	0	0	•	
OPERATING REV	0	0	0	0	0	0	0		
OTHER	0	0	2,098 0 0	. 0	0	0	0		
TOTAL	8,508	5,116	9,507	•			49,910		
OPERATING AND HAINTENANCE COST ESTIMATE								NG BUDGET	
OPERATING EXPENDITURES	Λ	۸	0 407	, 377	40 007	47 070		JOR INPACT	18
OPERATING EXPENDITURES	0	0			10,893				
TRANSIT FEES	V	V	330	//0	1,210	1,650	323	0	
NET OPERATING COST	0	0	2.167	5.563	9.683	14.628		0 0	

		100000		CI PINAIN			***		1705 30	
Department Transportation					Account Code 0585-3221					
Program Category Public Transit			Project Category Transit							
		1	TOTAL PR	OJECT COST			BONDS [X] G.O.	ОТНЕВ	STATE OR FEDERAL	
PROJECT TITLE	1981	1982	1983	1984	1985	1 <del>9</del> 86	☐ REV	LOCAL	FUNDS	
				THOUS	SANDS OF DO	LLARS				
Transit Facility Expansion Phase I, O & M Space 130 Buses	4,500								4,500	
45 Passenger Coaches (20)	3,398						680		2,718	
Supplemental Transportation Vans (8)	206			Andreas of the Control of the Contro					206	
Highway Bus Turnouts (10)	288			**************************************			12		276	
Bus Stop Shelters (10)	69					·	12		57	
Supervisory Vehicles (2)	17						3		14	
Information Bus Stop Signs (50)	10						2		8	
Muldoon Transfer Facility (PE)	20						1		19	
45 Passenger Coaches (20)		3,736					747		2,989	
Supplemental Transportation Vans (2)		54							54	
:										
						`				
		and the state of t			- Barretra Paris P	·				
`										
TOTALS										

Department Transportation	Account Code 0401 - 3201								
rogram Category Public Transit	Project Category Transit								
PROJECT TITLE	SUMMARY OF PROJECT SCOPE								
Transit Facility Expansion Phase I	Expand Transit Facility to provide O& M space for 130 buses. Completion 2/82.								
Purchase twenty (20) 45-passenger coaches.	To provide expanded service and decreased headways. Com	pletion 6/82.							
Supplemental Transportation Vans 8	Purchase eight (8) vans to provide supplemental service Handicapped. Completion 10/81.	to the Elderly and							
Highway Bus Turnouts (10)	Constract 10 highway turnouts to provide loading areas on major arterial corr Complete date 11/81.								
Bus Stop Shelters (10)	Purchase and install 10 bus shelters to provide patrons adequate protection finclement weather. Completion date 11/81.								
Supervisors vehicles (2)	Replace two (2) sedans obsolete beyond economic repair to be utilized to provide continuous surveillance of system efficiency. Completion date 5/81.								
Informational Bus Stop Signs (50)	Provide expanded informational service. Completion date	11/81.							
Muldoon Transfer Facility .	Engineering & Design of minor transfer facility to imprand ease of transferring to another route. Completion of	<del>-</del>							
45 Passenger Coaches (20)	To provide expanded service and decreased headways,								
Supplemental Transportation Vans (2)	Purchase (2) vans to provide supplemental transportation Elderly and Handicapped.	on service to the							
		. •							

Department				Account Code		^ -			
Transportation Program Category			Project Category						
Public Transit	Transit  TOTAL PROJECT COST B								STATE OR
PROJECT TITLE	1981	1982	1983	1984	1985	1986	[X] G.O. □ REV	OTHER LOCAL	FEDERAL FUNDS
				THOUS	ANDS OF DO	LLARS			
Highway Bus Turnouts (10)		317					63		254
Retrofit 100 Buses W/Led Signs & Auto. Transp. System		551							551
Bus Stop Signs (20)		2					0		2
Muldoon Transfer Facility (C)		300							300
C Street Transfer Facility (PE)		56							56
Minor Accomodation Cen. (PE&C)		100					5		95
Transit Facility Expansion Phase II, O&M Space Added 70 Buses (C)			4,000						4,000
45 Passenger Coaches (20)			4,108						4,108
									A
,									
TOTALS						**************************************		pullines i un indian million del Males des Abbahilles de Vision de	

#### CAPITAL IMPROVEMENT PROJECT SCOPE SUMMARY

Department Transportation	Account Code 0401 - 3221								
Transportation Program Category Public Transit	Project Category Public Transit								
PROJECT TITLE	SUMMARY OF PROJECT SCOPE								
Highway Bus Turnouts (10)	• Construct highway turnouts to provide loading areas on major arterial corridors.								
Retrofit 100 buses w/ LED signs and auto-transfer system.	Purchase and installation of light emitting diode signal (LEDS) and automatic transfer dispensers.								
Bus stop signs (20)	Purchase and install (20) bus signs to provide expanded informational service from inclement weather.								
Muldoon transfer facility (c)	Construct minor transfer facility to improve patron accessibility and ease of transferring to another route completion date 9/82.								
C street transfer facility (PE)	Preliminary engineering for construction of minor transfer facility. To improve patron accessibility and ease of transferring to another route.								
Minor accomodation center (PE& C)	Preliminary engineering and construction of a minor accomodation center to provide for transit information, sale of tokens & commutor passes and a waiting area for patron accessibility to buses and ease in transferring.								
Transit Facility Expansion Phase II O&M space added for 70 additional buses (c)	Expanded transit facility to provide heated indoor storage for 70 additional buses and maintenance facility for same.								
45 passenger coaches (20)	To provide for expanded service and decreased headways.								
· · · · · · · · · · · · · · · · · · ·									

Department Transportation			Account Code 0585-3221						
Program Category Public Transit			Project Category Transit						
	4.000		TOTAL PR	OJECT COST			BONDS [X] G.O.	OTHER	STATE OR FEDERAL
PROJECT TITLE	1981	1982	1983	1984	1985	1986	☐ REV	LOCAL	FUNDS
				THOUS	SANDS OF DO	LLARS	<u> </u>	<del></del>	<u></u>
Supplemental Transportation Vans (3)			81						81
Highway Bus Turnouts (10)	:		290						290
Bus Stop Signs (20)			2						. 2
Information Bus Stop Signs (10)			2				Santana Co		2
C Street Transfer Facility (C)			800						800
Minor Accomodation Cen. (PE&C)			100				5		95
Bus Stop Shelters (20)			124				25		99
45 Passenger Coaches (20)				4,518			452		4,066
Suplemental Transportation Vans (2)				54			3		51
TOTALS		,							

### CAPITAL IMPROVEMENT PROJECT SCOPE SUMMARY

Account Code Department 0401 - 3221 Transportation Public Transit Project Category Program Category Public Transit SUMMARY OF PROJECT SCOPE PROJECT TITLE Purchase (3) cans to provide supplemental service to the Elderly and Supplemental Transportation Vans Handicapped. Completion 1983. (3) Construct ten (10) highway bus turnouts to provide loading areas on major Highway Bus turnout (10) arterial corridors. Completion 1983. Purchase and install twenty (20) bus stop signs to provide for expanded Bus Stop Signs (20) service. Purchase and install ten (10) information bus stop signs to provide for Information Bus Stop Signs (10) expanded information for transit patrons. C Street transfer facility (C) Construction of a minor transfer facility to provide patron accessbility and ease of transferring to another route. Minor accomodation center ( PE & C) Preliminary engineering and construction of a minor accommodation center to provide for transit information, sale of bus tokens and commuter passes as well as a waiting area for patron accessibility to buses and ease in transferring. Purchase and install (20) bus shelters to provide patrons adequate Bus Stop Shelters (20) protection from inclement weather, completion date equals. To provide for expanded service and decreased headways 45 passenger coaches (20) Purchase two (2) vans to provide supplemental transportation services for the Supplemental Transportation Edlerly and Handicapped. Vans (2)

Department Transportation				Account Code 0585-3221					
Program Category Public Transit			Project Category Transit						
			TOTAL PRO	DJECT COST			BONDS [X] G.O.	OTHER	STATE OR FEDERAL
PROJECT TITLE	1981	1982	1983	1984	1985	1986	□REV	LOCAL	FUNDS
				THOUS	SANDS OF DO	LLARS	11	1	I
Highway Bus Turnouts (10)				270					270
Bus Stop Shelters (20)				1.37			27		110
Information Bus Stop Signs (10)				2		-			2
Bus Stop Signs (20)				2					2
Two Park & Ride Lots (PE&C)				700					700
Two Minor Accommodation Centers (PE&C)				200			10		190
South Transfer Facility (PE)				20			1	AMERICA CONTRACTOR CON	19
Facilities Expansion (Satelite O&M) (PE)				200			10		190
									TO AMBAGINE PROPERTY OF THE PR
,	:								<u>[</u>
					**************************************				-
				-			Michigan Company		4 Parameter State
			`			4744			
TOTALS									

CAPITAL IMPROVEMENT PROJECT SCOPE SUMMARY							
Department	Transportation	Account Code 0401 - 3221					
Program Category	Public Transit	Project Category Public Transit					
PRO	DJECT TITLE	SUMMARY OF PROJECT SCOPE					
Highway Bus T	Curnouts (10)	Construct ten (10) highway turnouts to provide loading areas on major arterial corridors.					
Bus Stop Shel	lters (20)	Purchase and install (20) bus shelters to provide patrons adequate protection from inclement weather. Completion 9/84.					
Information E	Bus Stop Signs (10)	Purchase and install ten (10) information bus stop signs to provide for expanded information for transit patrons.					
Bus Stop Sigr	ns (20)	Purchase and install twenty (20) bus stop signs to provide for expanded bus service requirements.					
Two Park & Ri	ide Lots ( PE & C)	Preliminary engineering and construction of two park & ride lots. Locations to be determined. Will provide for transit patron parking in peripheral area and express transit service to downtown. Completion date 9/84.					
Two Minor Acc	comodation Centers	Planning, Engineering, Design, and construction of two minor accommodation centers on park and ride lots to provide for posting of transit information and a protection of patrons from inclement weather.					
South Transfe	er Facility ( PE)	Preliminary engineering and design of a transfer facility to improve transit patron accessibility and ease of transferring to other routes.					
Facilities E: O & M ) (PE)	xpansion ( Satellite )	Preliminary engineering for a satellite facility which will handle expanded operations and maintenance for the fleet operation.					
ı							

Department Transportation				Account Code	0585-3221				
Program Category Public Transit				Project Category Transit					
	TOTAL PRO			DJECT COST			BONDS	OTHER	STATE OR FEDERAL
PROJECT TITLE	1981	1982	1983	1984	1985	1986	REV	LOCAL	FUNDS
				THOUS	ANDS OF DO	LLARS	y		<u>,                                      </u>
45 Passenger Coaches (25)					6,211		497		5,714
Supplemental Transportation Vans (3)					81				81
Highway Bus Turnouts (10)					422		84		338
Bus Stop Signs (30)					2				2
Information Signs (20)					4		1		3
South Transfer Facility (C)					300			A CANADA	300
Minor Accommodation Center (PE&C)					100		5		95
Facilities Expansion (Satelite O&M) (C)					4,000				4,000
Bus Stop Shelters (20)					150		30		120
	:								'
							of the factor of		-
					, ys				
TOTALS						A. A		Sales and analysis of the sales	

### CAPITAL IMPROVEMENT PROJECT SCOPE SUMMARY

CAPITAL IMPROVEMENT PROJECT SCOPE SUMMARY								
Department Transportation	Account Code  0401 - 3221  Project Category Public Transit							
Program Category Public Transit	Public Transit	an aka asabah ata ata salah pagama asaba - ka akasabah salah salah salah bahasah kalamatan salah salah salah s						
PROJECT TITLE	SUMMARY OF PROJECT SCOPE							
45 Passenger coaches (25)	To provide expanded service and decreased headways.							
Supplemental Transportation Vans(3)	Purchase three (3) vans to provide expanded supplemental trans service for the Edlerly and Handicapped. Completion 1983.	portation						
Highway Bus Turnouts (10)	Construct ten (10) highway bus turnouts to provide loading area on magarterial corridors.							
Bus Stop Signs (30)	Purchase and install thirty (30) bus stop signs to provide for bus service requirements.	expanded						
Information Signs (20)	Purchase and install twenty (20) bus stop information signs to for expanded information signs.	provide						
South Transfer Facility (C)	Construction of a transfer facility to improve transit patron and ease of transfer to other routes.	accessibility						
Minor Acommodation Center ( PE & C)	Preliminary engineering and construction of minor accomodation to provide for thansit information, sale of bus tokens and compasses, and a waiting area for patron accessibility.	center muter						
Facilities Expansion (Satellite O&M) (C)	Construction of a satellite facility which will handle the expoperations and maintenance for fleet operation.	panded						
Bus Stop Shelters (20)	Purchase and installation of twenty (20) bus stop shelters to patrons adequate protection from inclement weather while waiti	provide ing for a bus.						
		•						

Department Transportation				Account Code 0585-3221					
Program Category Public Transit			Project Category Transit						
	TOTAL PRO			DJECT COST		<del></del>	BONDS [X] G.O.	OTHER	STATE OR FEDERAL
PROJECT TITLE	1981	1982	1983	1984	1985	1986	REV	LOCAL	FUNDS
				THOUS	SANDS OF DO	LLARS			r
70 Passenger Articulated Coaches (20) & 45 Passenger Coaches (5)						7,302			7,302
Supplemental Transportation Vans (2)						54			54
Highway Bus Turnouts (10)						422	The state of the s		422
AVM System						855	171		684
Facilities Expansion (Second O&M Satelite) (PE)						200			200
Information Bus Stops (10)						2			2
Bus Stop Signs (30)						2	- Allen and Arrandom		2
Park & Ride Lot (PE&C)						350			350
		The second secon					<del>,</del>		
									PA TO A TO
							TO THE PARTY OF TH		
				- Charles - Char			A CONTRACTOR OF THE PROPERTY O		
TOTALS								A CANADA A	

### CAPITAL IMPROVEMENT PROJECT SCOPE SUMMARY

	CAPITAL IMPROVEMENT PRO		7.01	PAGE				
Department Transportation		Account Code	0401 - 3221					
Program Category Public Transit		Project Category	Public Transit					
PROJECT TITLE	SUMMARY OF PROJECT SCOPE							
		*						
70 Passenger Articulated transit coaches (20) and 45 passenger coaches (5)	To provide for expanded t	ransit service ar	nd decreased headways.					
Supplemental transportation vans(2)	Purchase two (2) vans to service for the Elderly a		supplemental transportation					
Highway Bus Turnouts (10)	Construct ten (10) highwa on major arterial corrido		provide a loading area.					
AVM System	Purchase and installation	of an automatic	vehicle monitoring system.					
Facilities expansion ( second O & M Satellite) (PE)	Preliminary engineering farea.	for a second sate	llite bus maintnenace and st	orage				
Information Bus Stop Signs (10)	Purchase and install ten	(10) information	bus stop signs.					
Bus Stop Signs (30)	Purchase and install this	rty (30) regular l	bus stop signs.					
Park and Ride Lot ( PE & C)	Preliminary engineering a	and construction	for one (1) park and ride Lo	ot				
	•							
. •				•				
•								
	. •							
			•					

Department Transportation Program Category				Account Code Project Category	0585-32				
Public Transit		· · · · · · · · · · · · · · · · · · ·	TOTAL DB	DJECT COST	Transi	<u> </u>	BONDS		T
PROJECT TITLE	1981	1982	1983	1984	1985	1986	BONDS ☐ G.O. ☐ REV	OTHER LOCAL	STATE OR FEDERAL FUNDS
	THOUSANDS OF DOLLARS								
Minor Accommodation Center (PE&C)		-				100	5		95
Bus Stop Shelters (20)						120	6		114
		,							
•				<u> </u> 					
,									
								real and the same	
								PARAMETER PARAME	
					700	-			
				and the second s					
							and the same of th		
TOTALS	8,508	5,116	9,507	6,102	11,270	9,407	2,857		47,053

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

Department Transportation	Account Code 0401 - 3221
Program Category Public Transit	Project Category Public Transit
PROJECT TITLE	SUMMARY OF PROJECT SCOPE
Minor Accommodation Center (PE & C)	Preliminary engineering & construction of a minor accommodation center.
Bus Stop Shelters (20)	Purchase & installation of twenty (20) bus stop shelters to provide patrons an adequate protection from inclement weather.
	•
	•

### 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

#### 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

		<del></del>	ITALLIC Engineering
EXIS	TING CAPI	ITAL IMP	ROVEMENT BUDGET/PROJECTS COMPLETED DURING PRIOR YEAR
PROJECT TITLE/COST CENTER	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS
SIGNALIZATION/CHANNELIZATION			
36th Avenue and Denali St.	100	100	This project is scheduled for Public Works construction during 1980.  Design is complete.
36th Avenue and "C" St.	100	100	This project is scheduled for Public Works construction during 1980.  Design is complete.
Spenard Road & Fireweed Lane	78	135	Construction has already begun on this project with completion during 1980.
Mt. View Drive & Commercial Drive	149	149	This project is scheduled for construction during 1980. The design is complete and has been forwarded to Public Works for inclusion in their contract.
20th Ave. & Lake Otis Parkway			This project is being designed and is scheduled for 1980 construction pending 1980 Funding approval.
36th Avenue & Spenard Road	135	135	The preliminary Engineering Report is being completed with any construction to begin in late 1980, pending 1980 Funding approval.
Arctic Boulevard - Northern Lights Boulevard to Benson	90	90	This project is awaiting 1980 Funding prior to the beginning of engineering
Boulevard			work.
6th Avenue & Muldoon Road	70	70	This project is awaiting 1980 Funding prior to the beginning of engineering work.
STREET LIGHTING Mt. View Drive - Taylor St.			
to Bragaw St.	40	40	This project is designed and is scheduled for construction during 1980.
36th Avenue - Old Seward Highway to Arctic Boulevard	100	100	This project is designed and is scheduled for construction during 1980.

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

Department Transportation

Project Category Traffic Engineering

			Trailic Engineering
EXIS	TING CAPI	ITAL IMPR	OVEMENT BUDGET/PROJECTS COMPLETED DURING PRIOR YEAR
PROJECT TITLE/COST CENTER	Original CIB Cost Est.	Total Current Funding	EXPLANATION/STATUS
STREET LIGHTING CONT. Fireweed Lane - Spenard Road to Arctic Boulevard	30	30	This project has a preliminary design completed and is awaiting 1980 Funding before proceeding.
Mt. View Drive - Phase II	175	175	This project is awaiting 1980 Funding prior to the beginning of engineering work.
INTEGRATED TRAFFIC INFORMATION SYSTEM	<u>N</u> 160	160	This project is being implemented with final Municipal acceptance scheduled for December 1980.
PEDESTRIAN WALKWAYS	70	70	The School Children Walking Safety Project has developed the necessary walkway locations. Public Works Engineering is preparing a contract for 1980 construction.
		,	
·			

DEPARTHENT-UTILITY: TRANSPORTATION			CT CATEGOR	Y: TRAFF	C ENGINEER	ING			
			SANDS OF I	OLLARS			FUTURE	PRIOR	TOTAL
							PROJECT		PROJECT
	1981	1982	1983	1984	1985	1986	COST	APPROP	COST
CAPITAL INVESTMENT COSTS								** had bed to de de to	
PLANNING AND DESIGN	152	145	138	353	169	187	1,144		
LAND AND R.O.W.	168	176		212	227	251	1,223		
CONSTRUCTION			1,629			2,143	16,097		
EQUIPHENT	175	297	211	448	260		1,678		
INTERFUND CHARGES	345	275	291	610	352	384	2,257		
OTHER	0	0	0	0	0	0	0		
TOTAL	5,611	2,522	2,458	5,595	2,961	3,252	22,399	0	22,399
					=======		TOTAL	REIMBUR	RON-REIN
SOURCE OF FUNDS							FUNDS	SABLES	BURSABLE
G.O. BONDS AUTH	325						cano:	SHELES	DONOMBLE
G.O. BONDS UNAUTH	52.5	1,687	1,732	4,797	2,080	2,276	12,897	0	
REVENUE BONDS	O	0	0	0	2,000	2,270	0	V	
FEDERAL GRANT	Ŏ	Ö	ŏ	Ŏ	Ŏ	Õ	ő	0	
STATE GRANT	5,286	835	728	798	881		9,502	9,502	
CONTRIBUTIONS	0,100	0	0	, , 0	0	0	7 4 3 0 2	7,302	
OPERATING REV	ŏ	ő	ŏ.	0	0	0.	0		
OTHER	ŏ	0	0	0	0	0'	. 0		4
TOTAL	5,611	2,522	2,458	5,595	2,961	3,252	22,399	9,502	12,897
***************************************				.======================================	.=======			*****	*****
OPERATING AND MAINTENANCE							OPERATI	NG BUDGET	UNITS
COST ESTIMATE								JOR IMPACI	· -
OPERATING EXPENDITURES	0	30	63	98	139	187	332		<del></del>
OPERATING REVENUES	0	0	0	0	0	0	334		
	-	-	-	-	•	-	00 1	0	
·								ō	
NET OPERATING COST	0	30	63	98	139	187		^	

Department Transportation				Account Code	0441-33	61	Name and the second second second second second second second		
Program Category Traffic Engineering				Project Categ	ory Tra	affic Eng			
		ı	TOTAL PRO	DJECT COST		···········	BONDS G.O. REV	OTHER	STATE OR FEDERAL FUNDS
PROJECT TITLE	1981	1982	1983	1984	1 <del>9</del> 85	1986	- REV	LOCAL	FUNDS
,				THOUS	SANDS OF DO	LLARS			
1981 CBD Circulation Improvements	1,545			,					1,545
				, ,					
					,				
									**************************************
ž									
·· .			·						
·									1
1981 Signalization/Channelization	555								555
1701 Signatization, Ghannetization									
							WATER STATE OF THE		
Parking Lot Paving	10	100		<del> </del>			110		
TOTALS		<b>,,</b> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							

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

Ph.	CAPITAL IMPROVEMENT PROJECT SCOPE SUMMARY PAGE 5/
Department Transportation	Account Code 0441-3361
Program Category Traffic Engineering	Project Category Traffic Engineering
PROJECT TITLE	SUMMARY OF PROJECT SCOPE
1981 CBD Circulation Improvements	This project will implement the recommendations of the CBD Parking and Circulation study. The projects will include the following intersection improvements:  A) 7th and G Street B) 7th and C Street C) 4th and Gambell Street D) 4th and Ingra Street E) 6th and I Street F) 3rd and I Street G) 8th and G Street H) 8th and E Street I) 8th and E Street J) 9th and Gambell Street K) 5th and Gambell Street L) 5th and Ingra Street
1981 Signalization/Channelization	This project is scheduled to upgrade the following priority locations:  1. 3rd Avenue and Post Road  2. Wisconsin Avenue and Spenard Road  3. Fireweed Lane and Arctic Boulevard  4. Bragaw Street and Penland Parkway
Parking Lot Paving	This project will pave the five gravel Municipal lots on 3rd Avenue directly north of the McKay Building.

Department Transportation				Account Code 0441-3361					
Program Category Traffic Engineering				Project Category Traffic Engineering					
	TOTAL PR		DJECT COST	OST		BONDS [X] G.O.	OTHER	STATE OR FEDERAL FUNDS	
PROJECT TITLE	1981	1982	1983	1984	1985	1986	□REV	LOCAL	FUNDS
	THOUSANDS OF DOLLARS								
1981 Street Lighting	935								935
	·							•	
			,						
			·				·		
~									
						:			
1981 Traffic Engineering Improveme	nts 454						65		389
				·					
					÷				- - - -
									,
1981 Pedestrian Improvements	312								312
		•		,			,		
					1	:			
		-							
·									
			,						
1981-86 Pedestrian Facilities	500	550	605	665	730	805	1,920		1,935
		550	003		, 50	007			
TOTALS									
	<u> </u>	1	1	1	<u> </u>	1	<u> </u>	L	L

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

Department Transportation	Account Code 0441-3361							
Program Category Traffic Engineering	Project Category Traffic Engineering							
PROJECT TITLE	SUMMARY OF PROJECT SCOPE							
1981 Street Lighting	This project will install or upgrade roadway lighting as follows:							
	<ol> <li>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.</li> </ol>							
	2) Existing street lighting will be converted to make energy efficient high pressure sodium lighting. This project will upgrade Arctic Boulevard, and 15th Avenue from L Street to Gambell Street.							
	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.							
1981 Traffic Engineering Improve-	This project will complete the following items:							
ments	1) Installation of permanent pavement markings on Spenard Road from Benson Boulevard to McRae Road.							
	2) Construction of residential traffic improvements on an as needed basis.  Typical projects would include the finalizing of the Chena Street barricade and the construction of the Hillcrest southbound on ramp to Minnesota Drive							
1981 Pedestrian Improvements	This project provides for the installation of pedestrian walkways and signals as identified through the School Children Walking Safety Project. Typical projects would include the following:							
	1) Pedestrian walkway from Cutty Sark Street to Thiel Circle.							
	2) Construct pedestrian facility connecting Patterson Street and E. 4th Ave.							
	3) Providing roof covering on selected pedestrian stairways, such as Baxter School and the proposed Northern Lights School.							
	4) Construct pedestrian walkways along 36th Avenue from Robin Street to Upland Drive.							
1981-86 Pedestrian Facilities	This project will provide for one grade-separated pedestrian crossing per year.  The crossing locations will result from input of the School Children Walking Safety Project, citizen comments and demonstrated need.							

Department Transportation				Account Code 0441-3	361				
Program Category Traffic Engineering		· · · · · · · · · · · · · · · · · · ·		Project Catego	<sub>ory</sub> c Engineer	ing			
THE TRANSPORT OF THE PROPERTY		***************************************	TOTAL PRO	OJECT COST			BONDS □ G.O.	OTHER	STATE OR
PROJECT TITLE	1981	1982	1983	1984	1985	1986	☐ REV	LOCAL	FEDERAL FUNDS
				THOUS	SANDS OF DO	LLARS	B .	r	T
Intersection Improvements	850						enzejeski de statute de		850
Pedestrian Overcrossing, Northern Lights at East High School	450						in conductor the conductor to the conduc		450
				,			**************************************		
,									
							an derektirinin karingan dari karingan dari karingan dari karingan dari karingan dari karingan dari karingan d		ментерия по
									an de principa de la companya de la
TOTALS									

	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							
Intersection Improvements	This project includes signalization and channelization work on the following intersections:							
	A. Lake Otis and Dowling Road							
	B. Lake Otis and Abbott Road							
	C. Birch Road and O'Malley Road							
Pedestrian Overcrossing, Northern Lights at East High School	This project is to construct a ramp-equipped pedestrian overcrossing along Northern Lights Boulevard at East High School.							

Department Transportation				Account Code	0441-3	361			
Program Category Traffic Engineering				Project Catego	οιγ	: Enginee;	ine		
Traffic mignicering			TOTAL PRO	DJECT COST			BONDS	OTHER	STATE OR
PROJECT TITLE	1981 .	1982	1983	1984	1985	1986	[X] G.O. □ REV	LOCAL	STATE OR FEDERAL FUNDS
				THOUS	ANDS OF DO	LLARS			1
1982 Signalization/Channelization		600					600		
1982 Street Lighting		1,025					640		385
		,							
1982 Traffic Engineering Improve- ments	·	247					72	·	175
									٠
		-							
TOTALS									

	CAPITAL IMPROVEMENT PROJECT SCOPE SUMMARY PAGE 63
Department Transportation	Account Code 0441-3361
Program Category Traffic Engineering	Project Category Traffic Engineering
PROJECT TITLE	SUMMARY OF PROJECT SCOPE
1982 Signalization/Channelization	This project is scheduled to upgrade the following priority locations and or other critical intersections:
	1) Northern Lights Boulevard and Baxter Road.
	2) DeBarr Road and Turpin Street.
	3) Intersections resulting from the intersection safety analysis to be completed by March, 1981.
1982 Street Lighting	This project will install or upgrade roadway lighting as follows:
	<ol> <li>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.</li> </ol>
	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 Improve-	This project will complete the following items:
ments	<ol> <li>Installation of permanent pavement markings on E and G Streets from 4th Avenue to 15th Avenue.</li> </ol>
	2) Install a microwave link from the CBD signal system to the computer center.
	·

Department Transportation		-		Account Code	0441-3	361			
Program Category Traffic Engineering				Project Catego	orv	affic Eng	ineering		
			TOTAL PRO	DJECT COST	1	I	BONDS X G.O.	OTHER	STATE OR
PROJECT TITLE	1981	1982	1983	1984	1985	1986	□ REV	LOCAL	STATE OR FEDERAL FUNDS
				THOUS	SANDS OF DO	DLLARS			
1983 Signalization/Channelization			648				648		
1092 Street Lighting			1 126				705		421
1983 Street Lighting			1,126				705		421
				·					
1983 Traffic Engineering Improve-			79				79		
ments			/9				79		
Combined Shop/Maintenance Facility	,			2,900			2,900		
TOTALS									

Department Transportation	Account Code 0441-3361 .								
Program Category Traffic Engineering	Project Category Traffic Engineering								
PROJECT TITLE	SUMMARY OF PROJECT SCOPE								
1983 Signalization/Channelization	This project is scheduled to upgrade the following priority and/or other critical locations:								
	1) Northern Lights Boulevard and Providence Avenue.								
	2) Northern Lights Boulevard and Wisconsin Street.								
	3) Other locations as identified in the Intersection Safety Study to be completed by March, 1981.								
1983 Street Lighting	This project will install or upgrade roadway lighting as follows:								
	<ol> <li>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.</li> </ol>								
	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 Improve-	This project will complete the following items:								
ments	1) Installation of permanent pavement markings on Bragaw Street from Glenn Highway to DeBarr Road.								
Combines Shop/Maintenance Facility	This project will combine the three Traffic Engineering shop facilities into one building.								

PAGE 66

Department Transportation				Account Code	0441-3	3361			
Program Category Traffic Engineering				Project Catego	Tra	ffic Engir			<del></del>
	<u> </u>		TOTAL PRO		***************************************		BONDS (X) G.O.	OTHER	STATE OR FEDERAL
PROJECT TITLE	1981	1982	1983	1984	1985	1986	☐ REV	LOCAL	FUNDS
				THOUS	ANDS OF DO	LLARS			·
1984 Signalization/Channelization				700			700		
1984 Street Lighting				1,243			780		463
1984 Traffic Engineering Improvements				87			87		
1985 Signalization/Channelization			·		755		755		
1985 Street Lighting					1,381		865		516
1985 Traffic Engineering Improvements	·				95		95		
1986 Signalization/Channelization						816	816		
1986 Street Lighting						1,526	955		571
1986 Traffic Engineering Improve- ments		-				105	105		
					,				
TOTALS	5,611	2,522	2,458	5,595	2,961	3,252	12,897		9,502

Department Transportation	Account Code 0441-3361						
Program Category Traffic Engineering	Project Category Traffic Engineering						
PROJECT TITLE	SUMMARY OF PROJECT SCOPE						
1984 Signalization/Channelization 1985 Signalization/Channelization 1986 Signalization/Channelization	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.						
1984 Street Lighting	This project will install or upgrade roadway lighting as follows:						
1985 Street Lighting 1986 Street Lighting	<ol> <li>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.</li> </ol>						
	<ol> <li>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.</li> </ol>						
	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 Improve-	This project will complete the following items:						
ments 1985 Traffic Engineering Improve- ments	1) Installation of permanent pavement markings on the Municipal roadway system.						
1986 Traffic Engineering Improvements							

#### MUNICIPALITY OF ANCHORAGE CAPITAL PROJECT CATEGORY SUMMARY

DEPARTMENT-UTILITY: TRANSPORTATION PROJECT CATEGORY: AREAUIDE COMMUNICATIONS THOUSANDS OF DOLLARS FUTURE PRIOR TOTAL PROJECT YEARS PROJECT 1981 1982 1983 1984 1985 1986 COST APPROP COST CAPITAL INVESTMENT COSTS PLANNING AND DESIGN 0 0 12 13 LAND AND R.O.W. CONSTRUCTION 31 EQUIPMENT 28 INTERFUND CHARGES OTHER 348 TOTAL REIMBUR NON-REIM FUNDS SABLES BURSABLES SOURCE OF FUNDS G.O. BONDS AUTH G.O. BONDS UNAUTH. 216 348 REVENUE BONDS FEDERAL GRANT STATE GRANT CONTRIBUTIONS OPERATING REV OTHER TOTAL OPERATING AND MAINTENANCE OPERATING BUDGET UNITS COST ESTIMATE WITH MAJOR IMPACTS OPERATING EXPENDITURES 3340 17 OPERATING REVENUES NET OPERATING COST 17 

PAGE 69

Department Transportation				Account Code	0401-334	41			
Program Category Traffic Engineering				Project Catego	γγ	de Communi	cation		
	TOTAL PRO			JECT COST			BONDS X G.O.	OTHER LOCAL	STATE OR FEDERAL FUNDS
PROJECT TITLE	1981	1982	1983	1984	1985	1986	☐ REV	LOCAL	FUNDS
				THOUS	ANDS OF DO	LLARS			
Areawide Communications Network			175	40	44	48	307	•	
Mobile Communications Repair Van			41				41		
			:	•					
·									
·									
				AL MINISTER PARAMETERS AND A STATE OF THE ST				****	
		1		***					
TOTALS			01.5	/ 0		/.0	21.0		
IUIALS		<u></u>	216	40	44	48	348		

Department Transportation	Account Code 0401~3341								
Program Category Traffic Engineering	Project Category Areawide Communication								
PROJECT TITLE	SUMMARY OF PROJECT SCOPE								
Areawide Communications Network	his 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.								
s.									
•									

### MUNICIPALITY OF ANCHORAGE CAPITAL PROJECT CATEGORY SUMMARY

PAGE 71

		THOU	SANDS OF D	FUTURE	PRIOR	TOTAL			
	1981	1982	1983	1984	1985	1986	PROJECT COST	YEARS APPROP	PROJECT Cost
CAPITAL INVESTMENT COSTS		- 1-17 Per 1911 (no. 100 per 100 per 100 per 100 per						- 247 507 735 505 505 505 507 742 505 304	
PLANNING AND DESIGN	21	0	0	0	0	0	21		
LAND AND R.O.W.	280	Õ	Ō	Ö	0	Ô	280		
CONSTRUCTION	276	0	0	0	0	Ö	276		
EQUIPMENT	0	0	0	0	Ō	Ō	0		
INTERFUND CHARGES	33	0	0	0	0	0	33		
OTHER	0	0	0	0	0	0	0		-
TOTAL	610	0	0	0	0	0	610	0	610
				*****	=======		TOTAL	REIMBUR	.====== NON-REII
SOURCE OF FUNDS							FUNDS	SABLES	BURSABL
G.O. BONDS AUTH	0							W. ( * W. E. UE E	25
G.O. BONDS UNAUTH		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	610	0	0	0	0	0	610	610	
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	610	0	0		Λ	۸	610	610	Λ

Department Transportation				Account Code 0411-3391					
Program Category Traffic Engineering			Project Category Parking Facilities						
PROJECT TITLE	TOTAL PR		JECT COST		BONDS G.O.	OTHER LOCAL	STATE OR FEDERAL FUNDS		
	1981	1982	1983	1984	1985	1986	REV	LOCAL	FUNDS
	THOUSANDS OF DOLLARS								
Parking Lot Lighting Spenard Road Parking	240 370								240 370
							A CONTRACTOR OF THE CONTRACTOR		
TOTALS	610		er en						610

	CAPITAL IMPROVEMENT PROJECT SCOPE SUMMARY PAGE 73						
Department Transportation	Account Code 0411-3391						
rogram Category Traffic Enginee	Project Categorγ						
PROJECT TITLE	SUMMARY OF PROJECT SCOPE						
Parking Lot Lighting	This project will upgrade the substandard parking lot lighting in the following Municipal lots:						
	1) North Buttress Parking Lot (3rd Avenue and C Street).						
	2) 6th and G Parking Lot and Garage.						
	3) Shimek's Lot (6th Avenue and E-F Streets).						
	4) A/C Parking Lot (3rd Avenue, A-C).						
	5) Holiday Inn Parking Lot (3rd Avenue and C Street).						
Spenard Road Parking Lot	The upgrading of Spenard Road eliminated numerous parking spaces which backed on Spenard Road. In an effort to provide adequate business parking a municipal lot would be developed and operated in the central Spenard Business Area.						