

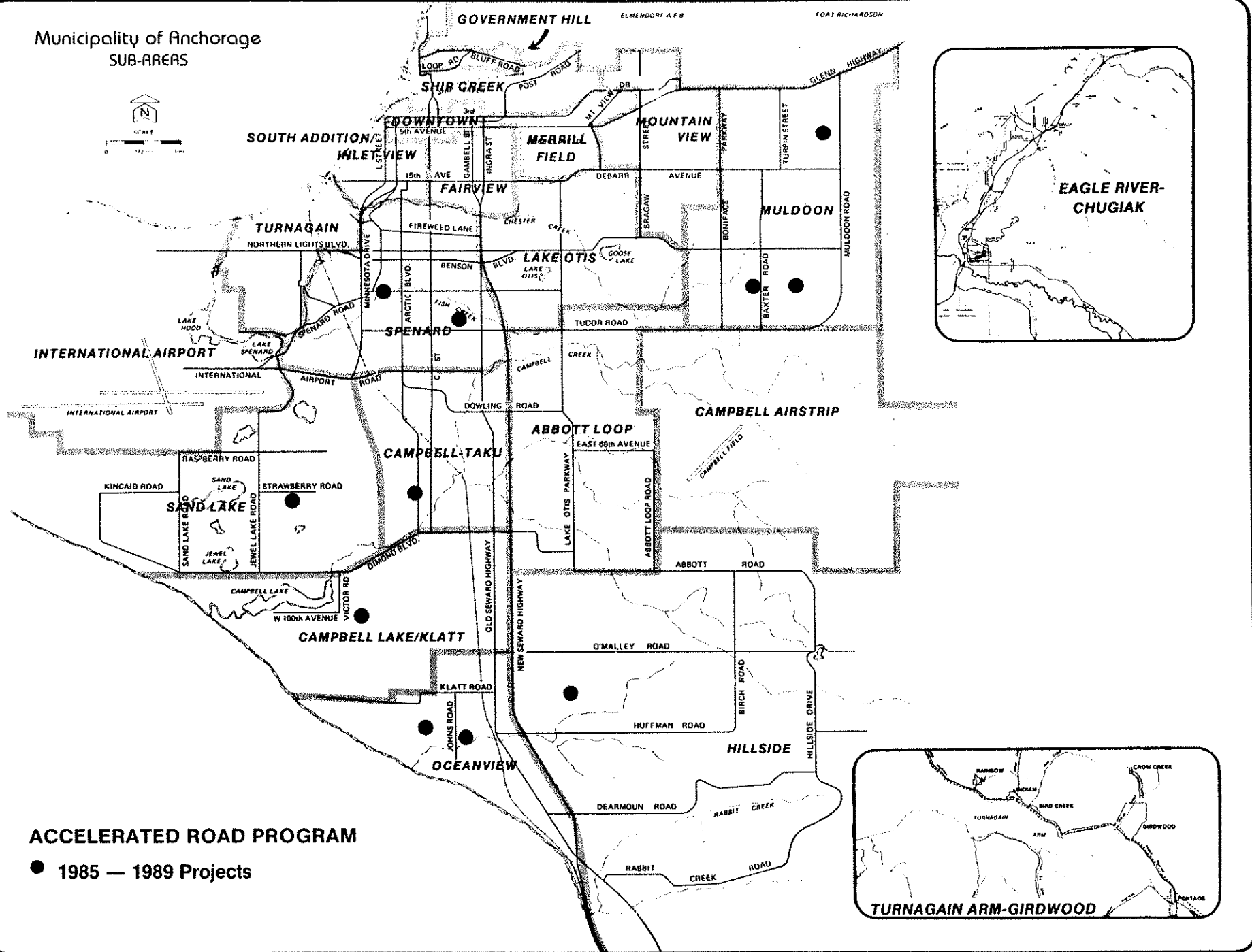
MUNICIPALITY OF ANCHORAGE
1984 - 1989 CAPITAL IMPROVEMENT PROGRAM

Department	Project Category						Account Code	
Public Works	Accelerated Road Program						0441-7655	
PROJECT TITLE AND DESCRIPTION	PROJECT COST IN THOUSANDS OF DOLLARS						FUND SOURCE	
	1984	1985	1986	1987	1988	1989	S-State F-Federal	L-Local B-Bonds
Third Avenue - Elmendorf Access to Post Road - Design and construct to minor arterial standards.	1,905						S -	1,905
Victor Road and 100th Avenue - Provide funds to upgrade 100th and Victor Road to provide access to Minnesota Drive Extension.	1,750	3,467					S -	5,217
36th Avenue - Arctic to Spenard - Provides funds to purchase Right of Way and complete design to upgrade to minor arterial standards. Construction planned for 1986.	3,025		1,089				S -	4,114
Arctic Boulevard - Raspberry to Dimond - Design in 1984 and construct in 1985 to four lane minor arterial standards.	600	4,400					S -	5,000
Wisconsin - Northern Lights to 43rd Court - Provide funds to design and construct to collector standards.	2,498						S -	2,498
Providence Drive - Northern Lights to University Drive - Design and construct to residential standards.	1,598						S -	1,598
West Northern Lights - Forest Park Drive to Earthquake Park - Upgrade this major arterial including a grade separated crossing at the ARR.	5,800	10,700	9,750				S -	26,250
TOTALS							S - F - L - B -	

MUNICIPALITY OF ANCHORAGE
1984 - 1989 CAPITAL IMPROVEMENT PROGRAM

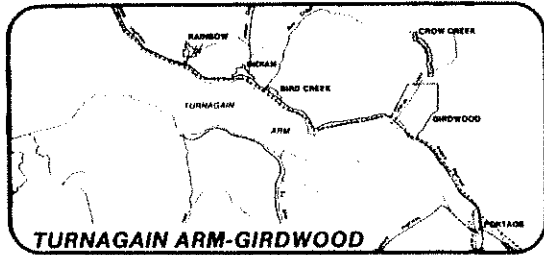
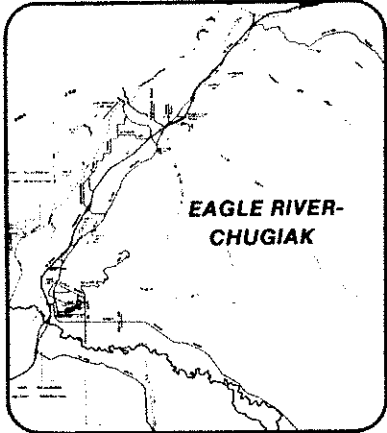
Department Public Works	Project Category Accelerated Road Program					Account Code 0441-7655	
PROJECT TITLE AND DESCRIPTION	PROJECT COST IN THOUSANDS OF DOLLARS						FUND SOURCE S-State L-Local F-Federal B-Bonds
	1984	1985	1986	1987	1988	1989	
Northwood - 82nd to Strawberry - Upgrade to arterial standards.	360						S- 360
Huffman Road - Timberlane to Old Seward Highway - Design and construct to two lane collector standards, including a 300 foot bridge across the railroad.	450	5,350	2,000				S-7800
Strawberry Road - Jewel Lake to Northwood - Design and construct to two lane collector standards.	180	3,000					S-3180
Baxter Road - Tudor to 16th Avenue - Construct to two lane collector standards.		5,526					S-5526
Denali Street - 40th Avenue to Tudor		1,235					S-1235
East Sixth Avenue - Patterson to Cherry - Upgrade to two lane collector standards.			4,640				S-4640
Timberlane Drive - Klatt Road to Huffman - Upgrade to two lane collector standards.			1,322				S-1322
Patterson - Northern Lights to Tudor - Upgrade to two lane collector standards.				3,610			S-3610
TOTALS	18,166	33,678	18,801	3,610			S-74,255 F- L- B-

Municipality of Anchorage SUB-AREAS



ACCELERATED ROAD PROGRAM

● 1985 — 1989 Projects



MUNICIPALITY OF ANCHORAGE
1984 - 1989 CAPITAL IMPROVEMENT PROGRAM

Department	Project Category						Account Code
Public Works	Road Improvements						0441-7655
PROJECT TITLE AND DESCRIPTION	PROJECT COST IN THOUSANDS OF DOLLARS						FUND SOURCE
	1984	1985	1986	1987	1988	1989	S-State L-Local F-Federal B-Bonds
Miscellaneous Street Improvements (1984-1989) - Design and construct collectors and arterials and reimburse developers for the construction of collectors and arterials as designated by the Official Streets and Highways Plan.	5,795	6,483	7,131	7,850	8,635	9,500	B-45,394
Miscellaneous Road Improvement Districts - Provides funds for Special Assessment Districts. Pays 50% of project costs with remainder repaid by benefiting property owners through special assessments.	4,200	3,630	3,990	4,390	4,830	5,310	S-26,350
Miscellaneous Utility Relocations (1984-1989) - Funds for reimbursing various utilities for the relocation of their facilities.	600	660	730	800	880	970	S- 1,220 B- 3,420
Buttress Area Parking Lot Landscaping - Construct landscaping improvements.	150						S- 150
Northern Lights Beautification - Muldoon to Earthquake Park - Provides for landscaping along Northern Lights Boulevard.	600	500		800			S- 1,900
Benson Boulevard Beautification - Construct landscape improvements to Benson Boulevard.	500						S- 500
Subdivision Reconstruction - Reconstruct portions of streets and drainage in various older subdivisions.	1,000	2,011	1,735	1,910	2,100	2,310	S-11,066
TOTALS							S- F- L- B-

MUNICIPALITY OF ANCHORAGE
1984 - 1989 CAPITAL IMPROVEMENT PROGRAM

Department	Project Category						Account Code	
Public Works	Road Improvements						0441-7655	
PROJECT TITLE AND DESCRIPTION	PROJECT COST IN THOUSANDS OF DOLLARS						FUND SOURCE	
	1984	1985	1986	1987	1988	1989	S-State F-Federal	L-Local B-Bonds
Stuckagain Heights Access Road Study - Examine alternate route to Stuckagain area.	50						S-	50
6th Avenue - Boniface to Norman - Upgrade this section of East 6th Avenue to Municipal Standards.	370						S-	370
Tudor Complex Parking Lot - Repair and replace pavement and provide curbing and guardrail to enhance vehicle control and improve pedestrian safety.	75						S-	75
Tudor Road/Muldoon Road Improvements - Construct acceleration/deceleration lane at the access to Chugach Foothills Subdivision.	150						S-	150
Miscellaneous Alley Paving - Construct heavily used commercial alleys in the Central Business District to Municipal Standards.		157	174	190	210	230	S-	961
Goldenview Drive - E. 164th to Romania - Construct to 2 lane collector standards.		920					S-	920
A-C Buffer Development - Construct landscaping and park type improvements to the A-C Buffer Strip.	500						S-	500
36th Avenue Regrade - LaTouche to McInnis - Re-construct to improve sight distance at Cottonwood.			970				S-	970
TOTALS							S- F- L- B-	

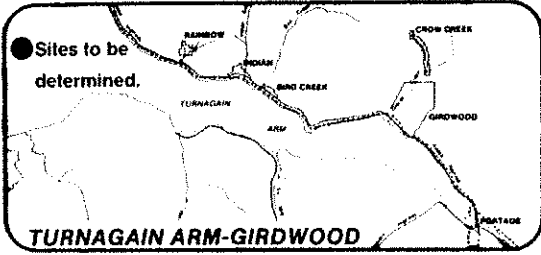
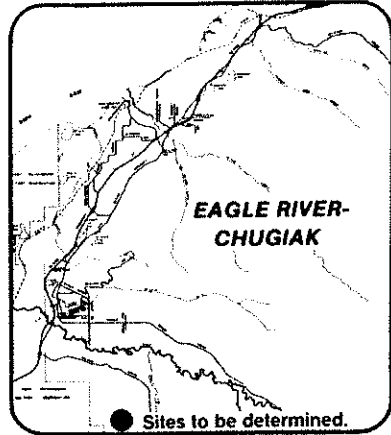
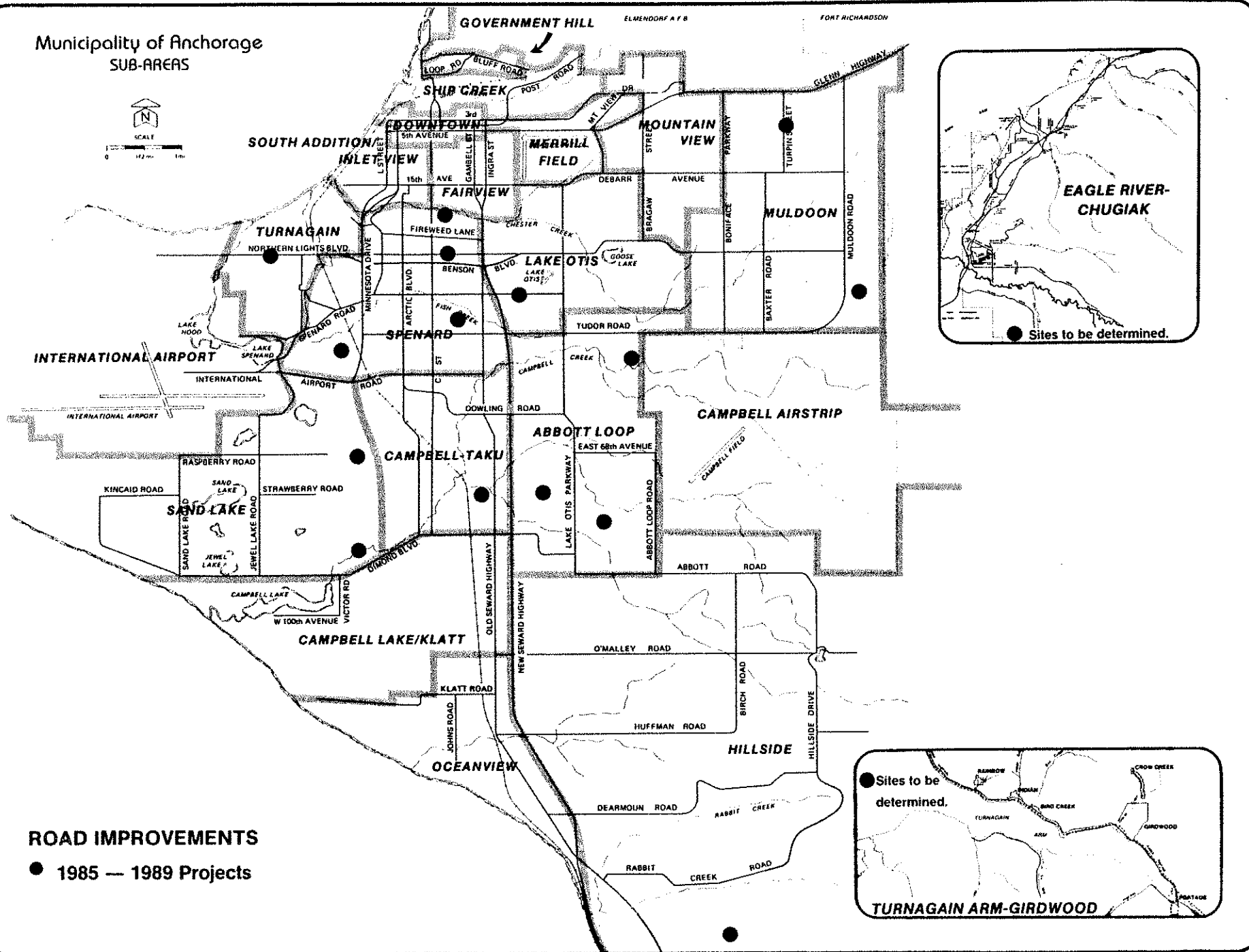
MUNICIPALITY OF ANCHORAGE
1984 - 1989 CAPITAL IMPROVEMENT PROGRAM

Department	Project Category						Account Code
Public Works	Road Improvements						0441-7655
PROJECT TITLE AND DESCRIPTION	PROJECT COST IN THOUSANDS OF DOLLARS						FUND SOURCE
	1984	1985	1986	1987	1988	1989	S-State L-Local F-Federal B-Bonds
Bragaw - Tudor to 48th Avenue - Design and construct Bragaw to 4 lane arterial standards and 48th from Bragaw to Transit Facility to 2 lane collector.	200	900					S - 1,100
Eagle River/Chugiak/Birchwood Road Improvements - This project will implement the Six-year Road Plan for this area.	2,420	2,370	2,740	2,520	3,120		S - 13,170
Turnagain Arm/Girdwood Road Improvements - This project will construct needed road improvements in this area according to the Anchorage Accelerated Road Program.	250	200	200	200	200	200	S - 1,250
Preliminary Engineering - Provides funds to perform feasibility evaluations and cost estimates.	250	300	300	400	400	400	S - 900 B - 1,150
76th Avenue - Old Seward to King Street - Construct to collector standards including a grade separated crossing at the ARR.	1,750						S - 1,750
Anticipated Road Service Areas - Construct collector road improvements in Limited Road Service Areas.	2,000						S - 2,000
Lake Otis - O'Malley to Huffman - Design and Construct to minor arterial standards.			5,040				S- 5,040
TOTALS							S- F- L- B-

MUNICIPALITY OF ANCHORAGE
1984 - 1989 CAPITAL IMPROVEMENT PROGRAM

Department	Project Category						Account Code
Public Works	Road Improvements						0441-7655
PROJECT TITLE AND DESCRIPTION	PROJECT COST IN THOUSANDS OF DOLLARS						FUND SOURCE
	1984	1985	1986	1987	1988	1989	S-State L-Local F-Federal B-Bonds
Raspberry Road - "C" Street to Rovena - Design and construct to arterial standards.				4,530			S- 2,265 B- 2,265
Turpin Road - DeBarr to Glenn Highway - Design and construct to 2 lane collector standards.					4,170		S- 2,085 B- 2,085
40th Avenue - Old Seward to "C" Street - Design and construct to industrial collector standards.					3,860		S- 1,930 B- 1,930
Northwood Drive - Spenard Road to International - Design and construct to 2 lane collector standards.					3,385		S- 1,690 B- 1,695
76th Avenue - King Street to "C" Street - Design and construct to industrial collector standards.					2,600		S- 1,300 B- 1,300
76th Avenue - New Seward to Lake Otis - Design and construct to 2 lane collector standards.						4,425	S- 2,210 B- 2,215
84th Avenue - Lake Otis to Abbott Loop - Design and construct to 2 lane collector standards.						6,505	S- 3,250 B- 3,255
36th Avenue - Patterson to Military Boundary - Design and construct to 2 lane collector standards.						4,785	S- 2,390 B- 2,395
Northwood Drive - 88th to Dimond - Design and construct to 2 lane collector standards, project includes 600 foot bridge over Campbell Creek.						8,100	S- 4,050 B- 4,050
TOTALS	20,860	18,131	23,010	23,590	34,390	42,735	S- 91,562 F- L- B- 71,154

Municipality of Anchorage
SUB-AREAS



ROAD IMPROVEMENTS

● 1985 — 1989 Projects

MUNICIPALITY OF ANCHORAGE
1984 - 1989 CAPITAL IMPROVEMENT PROGRAM

Department	Project Category						Account Code
Public Works	Drainage Improvements						0441-7655
PROJECT TITLE AND DESCRIPTION	PROJECT COST IN THOUSANDS OF DOLLARS						FUND SOURCE
	1984	1985	1986	1987	1988	1989	S-State L-Local F-Federal B-Bonds
Miscellaneous Drainage Improvements (1984-1989) - Design and construct miscellaneous improvements and reimburse for oversizing of storm systems by the private sector.	770	850	935	1,030	1,130	1,250	B-5,965 (\$770 on hand)
West Dimond Trunk - Design and construct system to serve south Anchorage area along Dimond Boulevard and Old Seward Highway.	1,000						S-1,000
Old Seward Trunk - Design and construct system to serve south Anchorage area along Old Seward Highway.	1,465						S-1,465
Water Quality Control - Chester/Campbell Creek - Construct water quality control devices to remove oil, grease, sediments and other pollutants.	200	220	240	260	290	320	S-1,530
Little Tree Extended - Design and construct outfall to extend Little Tree System to Campbell Creek.	545						S- 545
17th/20th Avenue - Chester Creek Upgrade - Resolve glaciation and flooding problems in area.	440						S- 440
Sherwood Acres Phase III - Extend existing system north to serve Arctic/International area. Design in 1984, construct in 1985.	67	670					S- 737
South Glenn Highway - Oklahoma to Boniface Storm Phase II - Extends Phase I into Muldoon/Glenn Highway area.	810						S- 810
TOTALS							S- F- L- B-

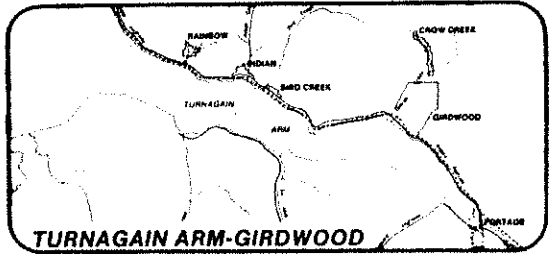
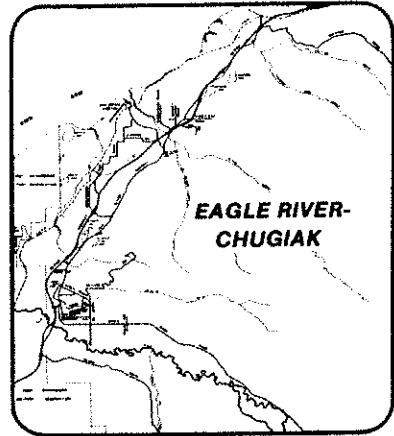
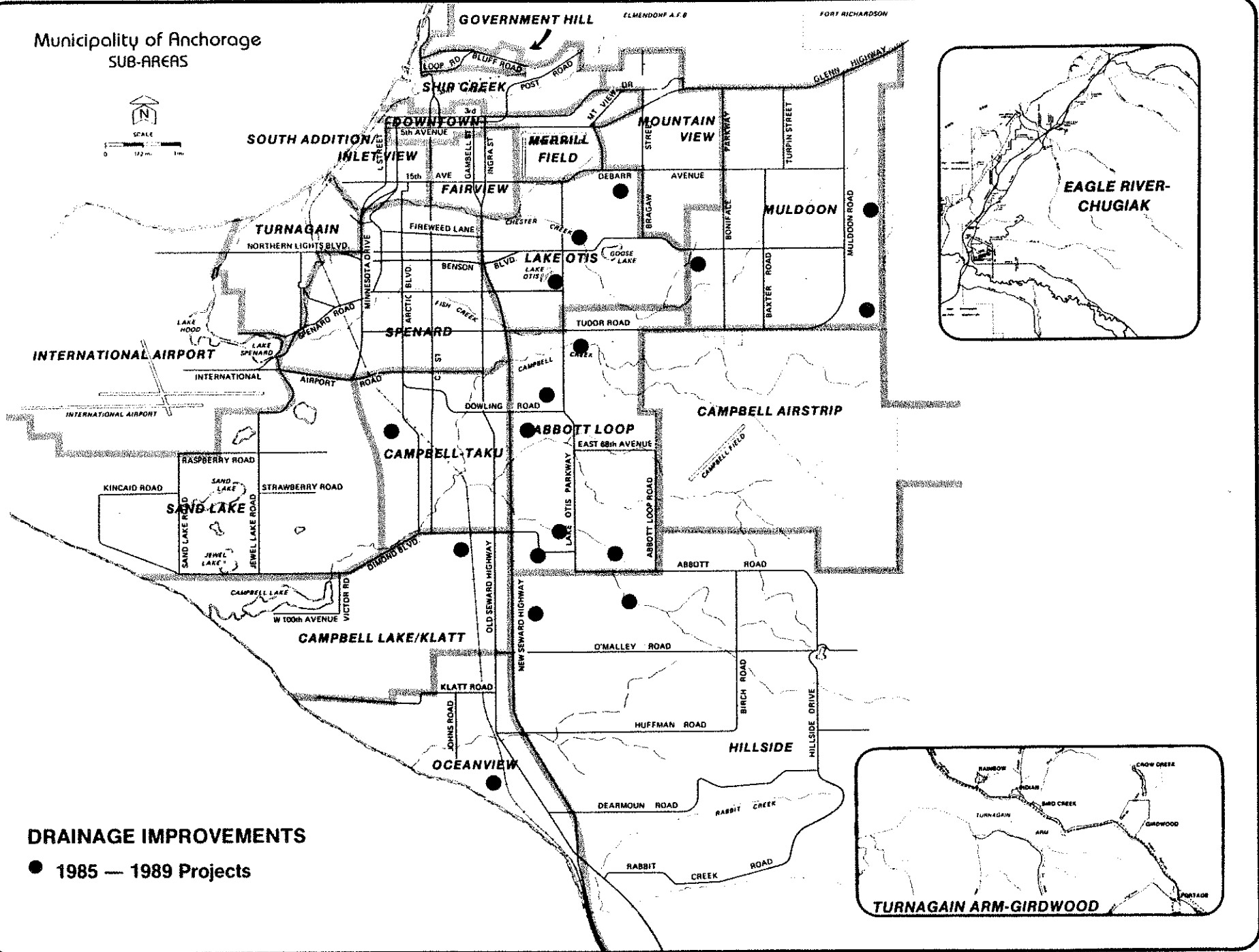
MUNICIPALITY OF ANCHORAGE
1984 - 1989 CAPITAL IMPROVEMENT PROGRAM

Department Public Works	Project Category Drainage Improvements						Account Code 0441-7655
PROJECT TITLE AND DESCRIPTION	PROJECT COST IN THOUSANDS OF DOLLARS						FUND SOURCE S-State L-Local F-Federal B-Bonds
	1984	1985	1986	1987	1988	1989	
Moorehand Subdivision Storm - Serve area north of Abbott Road between Lake Otis and New Seward Highway. Design in 1984 and construct in 1985.	75	1,240					S-1,315
E. 64th and Burlwood Storm - Provide system for area of Dowling Road between Lake Otis and New Seward Highway. Design in 1984 and construct in 1985.	210	1,310					S-1,520
Little Rabbit Creek/Potter Creek Drainage Study - Storm drain study for this rapidly developing South Anchorage Area.	130						S- 130
Eagle River Drainage Study - Storm drain study for Eagle River area south of Fire Creek and north of Eagle River.	195						S- 195
Montague Manor Storm - Provide system for area along 100th Avenue and Seward Highway.		360					S- 360
Pleasant Valley - Kobuk Storm - Provide system for east Muldoon area including Pleasant Valley, Kobuk Subdivision and east Foothills Subdivision.			1,990				S-1,990
Weslayan - Mills - Galcier Street Storm - Provide service to Weslayan/NLB area.			405				S- 405
Newland Storm - Provide system to serve Newland Subdivision area.				780			S- 390 B- 390
TOTALS							S- F- L- B-

MUNICIPALITY OF ANCHORAGE
1984 - 1989 CAPITAL IMPROVEMENT PROGRAM

Department	Project Category						Account Code	
Public Works	Drainage Improvements						0441-7655	
PROJECT TITLE AND DESCRIPTION	PROJECT COST IN THOUSANDS OF DOLLARS						FUND SOURCE	
	1984	1985	1986	1987	1988	1989	S-State F-Federal	L-Local B-Bonds
Chugach Foothills Storm - Resolve glaciating along Resurrection Drive.				190			S- 95	B- 95
East Oceanview Storm - Serves Oceanview area.				725			S- 360	B- 365
East Dimond Trunk - Provide system for area south of Dimond east of New Seward Highway.				650			S- 325	B- 325
Thunderbird Storm - Serves area of Thunderbird Terrace.					625		S- 310	B- 315
Lake Otis Wier System - Provide positive control of lake level.					330		S- 165	B- 165
South Fork Campbell Creek Rechannelization - Resolve glaciating and flooding from Nadine Place to E. 84th Avenue.					110		S- 55	B- 55
South Campbell Storm - Serve area east of Lake Otis between E. 74th Avenue and Spruce Street.						825	S- 410	B- 415
Lake Otis Boulevard Subdivision Storm - Serves area north of Dowling and west of Lake Otis.						1,090	S- 545	B- 545
TOTALS	5,907	4,650	3,570	3,635	2,485	3,485	S- 15,097	F- L- B- 8,635

Municipality of Anchorage SUB-AREAS



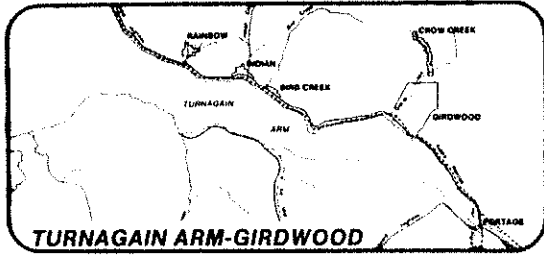
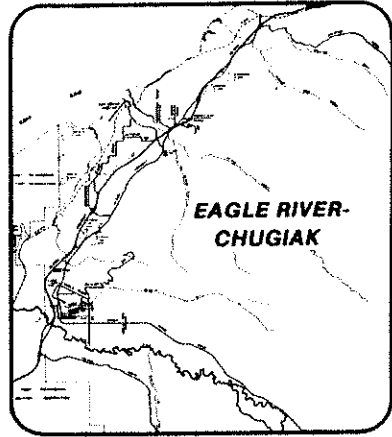
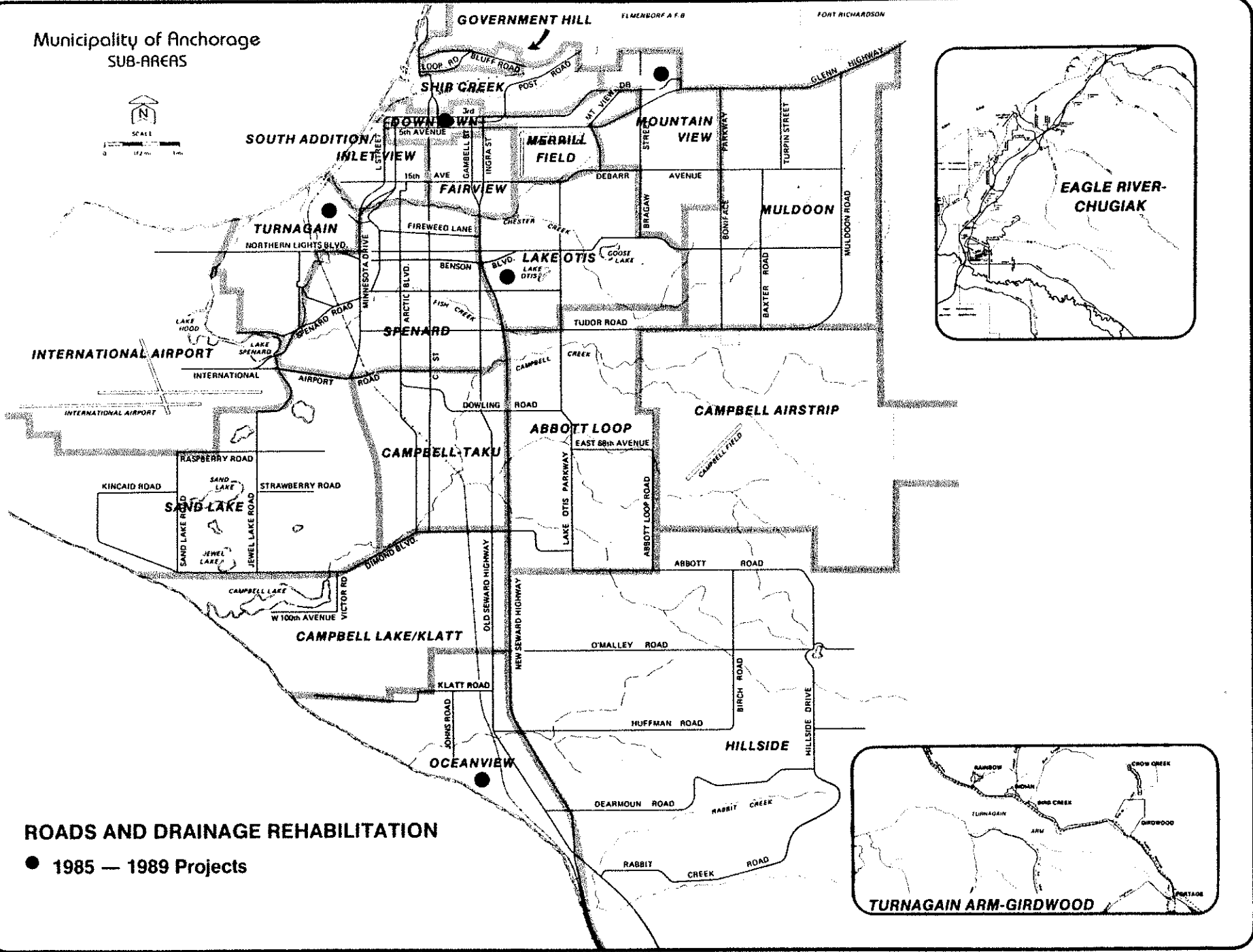
DRAINAGE IMPROVEMENTS

● 1985 — 1989 Projects

MUNICIPALITY OF ANCHORAGE
1984 - 1989 CAPITAL IMPROVEMENT PROGRAM

Department	Project Category						Account Code	
Public Works	Roads and Drainage Rehabilitation						0441 - 7655	
PROJECT TITLE AND DESCRIPTION	PROJECT COST IN THOUSANDS OF DOLLARS						FUND SOURCE	
	1984	1985	1986	1987	1988	1989	S-State F-Federal	L-Local B-Bonds
Central Business District	858	1,039					S -	1,897
North Mountain View			1,280				S -	1,280
Turnagain				2,016			S -	2,016
University Park/College Village					2,220		S -	2,220
Oceanview						2,440	S -	2,440
TOTALS	858	1,039	1,280	2,016	2,220	2,440	S -	9,853
							F -	
							L -	
							B -	

Municipality of Anchorage SUB-AREAS



ROADS AND DRAINAGE REHABILITATION

● 1985 — 1989 Projects

MUNICIPALITY OF ANCHORAGE
1984 - 1989 CAPITAL IMPROVEMENT PROGRAM

Department	Project Category						Account Code	
Public Works	Street Facilities						0441 - 7655	
PROJECT TITLE AND DESCRIPTION	PROJECT COST IN THOUSANDS OF DOLLARS						FUND SOURCE	
	1984	1985	1986	1987	1988	1989	S-State F-Federal	L-Local B-Bonds
Sign Shop Facility	1,320						S -	1,320
Snow Disposal Site Acquisition	1,155	1,270	1,398	1,539	1,692	1,860	S -	8,914
Railroad Crossing Reconstruction	65	73	80	88	96	106	S -	508
Sand Storage Building	660	660					S -	1,320
Calcium Chloride Storage Building		156					S -	156
Eagle River Maintenance Station			1,400				S -	1,400
Hillside Maintenance Station				1,540			S -	1,540
Eagle River Sand Storage Building					820		S -	820
Girdwood Maintenance Station						2,180	S -	2,180
TOTALS	3,200	2,159	2,878	3,167	2,608	4,146	S- F- L- B-	18,158

MUNICIPALITY OF ANCHORAGE
1984 - 1989 CAPITAL IMPROVEMENT PROGRAM

Department	Project Category						Account Code	
Public Works	Heavy Equipment						0441 - 7655	
PROJECT TITLE AND DESCRIPTION	PROJECT COST IN THOUSANDS OF DOLLARS						FUND SOURCE	
	1984	1985	1986	1987	1988	1989	S-State	L-Local
Purchase New and Replacement of Heavy Equipment	2,600	694	777	870	970	1,060	S-	5,671
TOTALS	2,600	694	777	870	970	1,060	S-	5,671
							F-	
							L-	
							B-	1,300

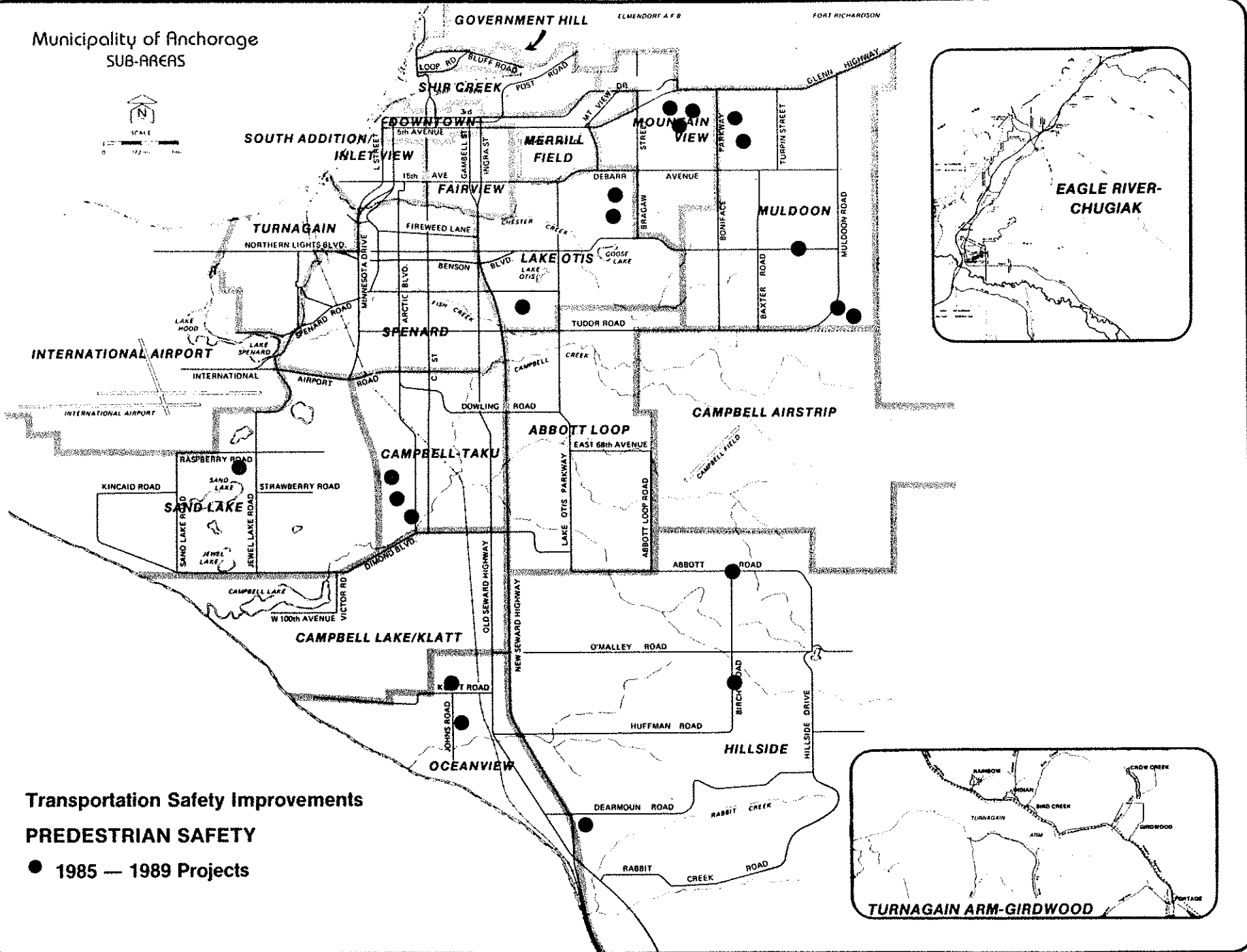
MUNICIPALITY OF ANCHORAGE
1984 - 1989 CAPITAL IMPROVEMENT PROGRAM

Department	Project Category						Account Code	
Public Works	Special Projects						0601-7850	
PROJECT TITLE AND DESCRIPTION	PROJECT COST IN THOUSANDS OF DOLLARS						FUND SOURCE	
	1984	1985	1986	1987	1988	1989	S-State	L-Local
Tudor Road Fueling Facility - Construct a facility to replace that which will be demolished due to the expansion of the Transit Garage.	75.0						S-	75.0
Vehicle Maintenance Facility - 35,000 Square foot facility to accommodate the vehicle maintenance needs of the Municipal Fleet.				4,000.0			S-	4,000.0
TOTALS	75.0			4,000.0			S-	4,075.0

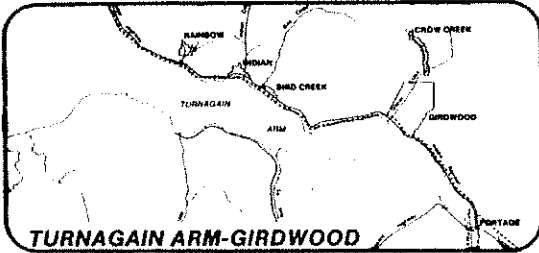
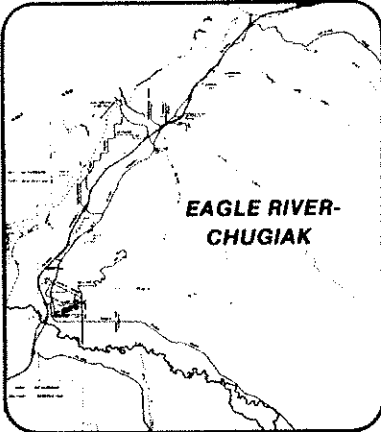
MUNICIPALITY OF ANCHORAGE
1984 - 1989 CAPITAL IMPROVEMENT PROGRAM

Department	Project Category						Account Code
Public Works	Transportation Safety Improvement						0441-7761
PROJECT TITLE AND DESCRIPTION	PROJECT COST IN THOUSANDS OF DOLLARS						FUND SOURCE
	1984	1985	1986	1987	1988	1989	S-State L-Local F-Federal B-Bonds
Pedestrian Facilities Improvements. This project will build pedestrian crossing improvements at locations where there is a high pedestrian volume crossing a major roadway. The project locations will result from input from community councils, the hazardous routes committee, citizen comments, and demonstrated need.	910	1,010	1,450	1,000	1,150	1,200	S-6,720
Sidewalk/ Reimbursement of sidewalk improvements Collectors for collectors, arterials and streets.	200						S-100 B-100
Muldoon Road New item. 1,000 feet bike trail Overpass connecting Muldoon Road overpass Connector and Chugach Foothills.	110						S-110
Birch Road Trail - Complete construction of bike and equestrian between O'Malley and DeArmoun. Design and construct Overpass at Abbott Road.	600	400					S-1,000
TOTALS							S- F- L- B-

Municipality of Anchorage SUB-AREAS



Transportation Safety Improvements
PREDESTRIAN SAFETY
 ● 1985 — 1989 Projects



MUNICIPALITY OF ANCHORAGE
1984 - 1989 CAPITAL IMPROVEMENT PROGRAM

Department Public Works	Project Category Transportation Safety Improvements						Account Code 0441-7761	
PROJECT TITLE AND DESCRIPTION	PROJECT COST IN THOUSANDS OF DOLLARS						FUND SOURCE	
	1984	1985	1986	1987	1988	1989	S-State F-Federal	L-Local B-Bonds
<p>Signalization - This project installs or up-grades 5 or more signalized intersections each year, in conjunction with scheduled Public Works Engineering roadway construction or when signal warrants are met. The following intersections are scheduled to be installed or upgraded in 1985:</p> <p>Spenard Road and Wisconsin Street Tudor Road and Denali Street Lake Otis Parkway and O'Malley Road Fireweed Lane and Denali Street Strawberry Road at Jewel Lake Road and/or other critical intersections as priorities are updated.</p> <p>The following signals scheduled to be installed or upgraded in 1986:</p> <p>Raspberry Road and Arctic Boulevard Huffman Road and Old Seward Highway 36th Avenue and Muldoon Road LaTouche Street and Northern Lights Boulevard LaTouche Street and Benson Boulevard LaTouche Street and 36th Avenue and/or other critical intersections as priorities are updated</p>	1,650	1,200	1,200	1,200	1,200	1,200	S - B -	3,500 4,150
TOTALS							S- F- L- B-	

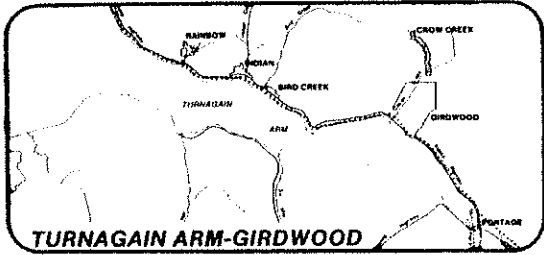
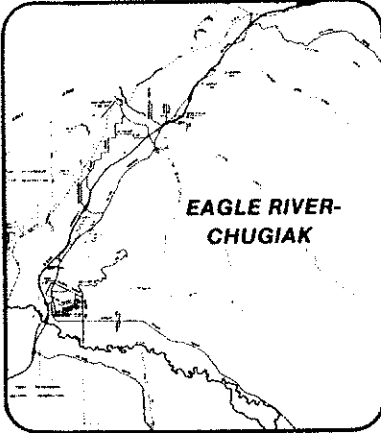
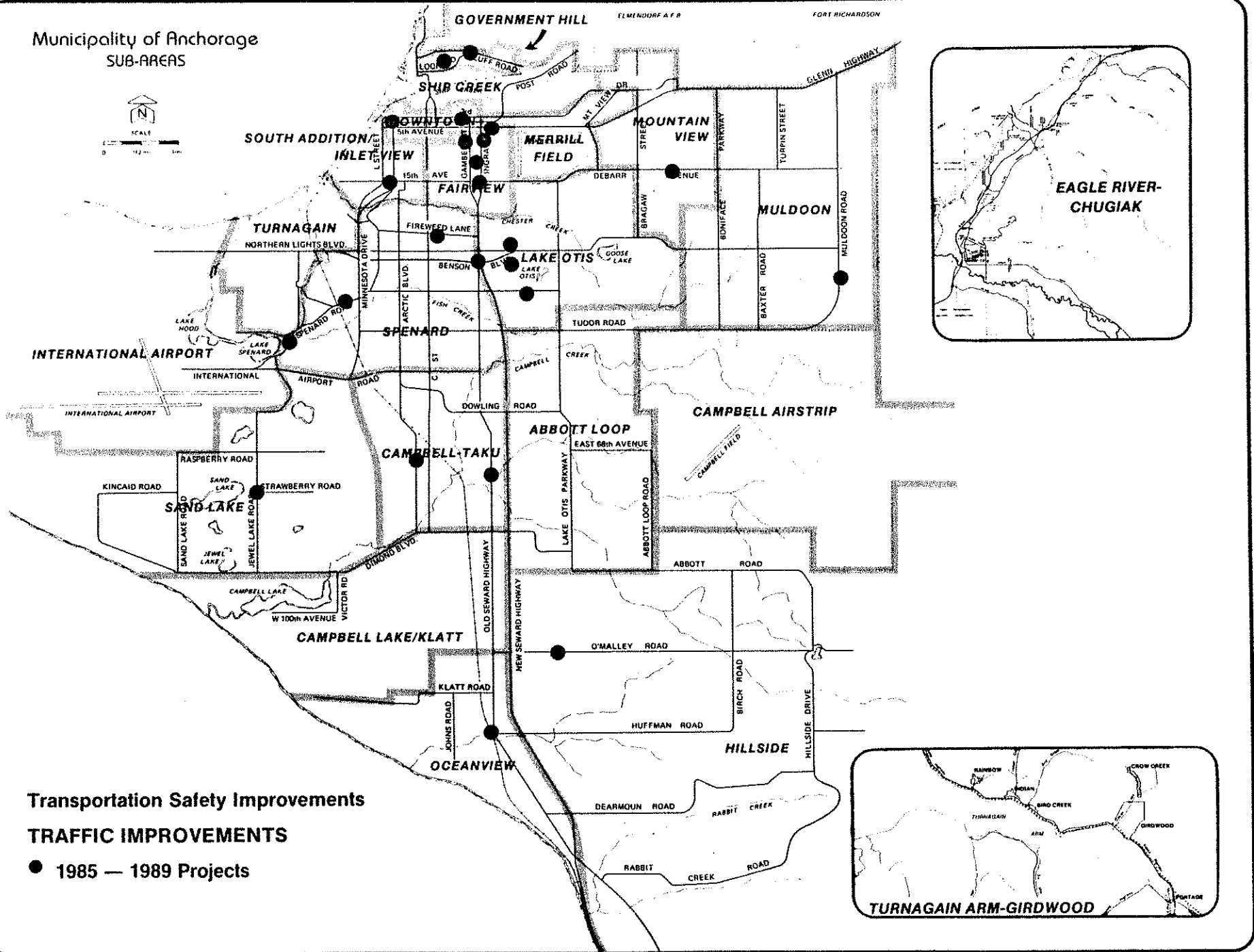
MUNICIPALITY OF ANCHORAGE
1984 - 1989 CAPITAL IMPROVEMENT PROGRAM

Department Public Works	Project Category Transportation Safety Improvements					Account Code 0441-7761		
PROJECT TITLE AND DESCRIPTION	PROJECT COST IN THOUSANDS OF DOLLARS						FUND SOURCE	
	1984	1985	1986	1987	1988	1989	S-State	L-Local F-Federal B-Bonds
<p>Traffic channelization and circulation improvements - This project completes three major channlization project and complete two miles of circulation improvements. Improvements are in response to public input, community councils, traffic accidents, projected and current traffic flow. Improvements for 1985-1986 are:</p> <p>Minnesota at Spenard - Channelization New Seward Highway at Northern Lights Boulevard - Channelization Mountain View Drive at East 5th Avenue - Channelization Strawberry at Jewel Lake Road - Channelization Loop Road from A Street to Bluff Drive - Circulation 3rd Avenue from Post Road to L Street - Circulation 4th Avenue from Post Road to L Street - Circulation Other Intersections and Roadways as needs are identified</p>	2,600	1,700	1,900	1,800	1,900	2,000	S -	6,400
TOTALS							S - F - L - B -	

**MUNICIPALITY OF ANCHORAGE
1984 - 1989 CAPITAL IMPROVEMENT PROGRAM**

Department Public Works	Project Category Transportation Safety Improvements						Account Code 0441-7761
PROJECT TITLE AND DESCRIPTION	PROJECT COST IN THOUSANDS OF DOLLARS						FUND SOURCE S-State L-Local F-Federal B-Bonds
	1984	1985	1986	1987	1988	1989	
Signal System Improvements - This project will replace defective and obsolete signal system components, communication devices, and increase signal timing efficiencies.	1,380	1,000	620	550	590	650	B - 1,280 S - 3,510
TOTALS							S- F- L- B-

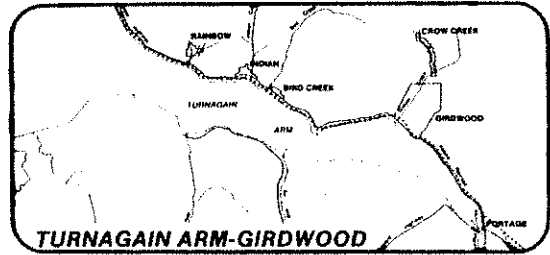
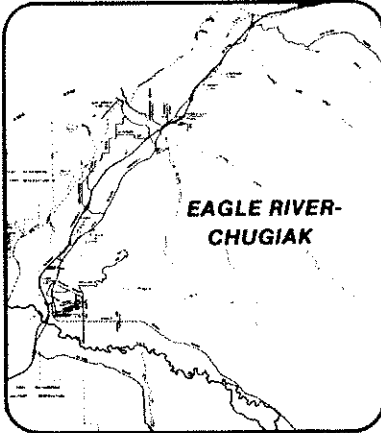
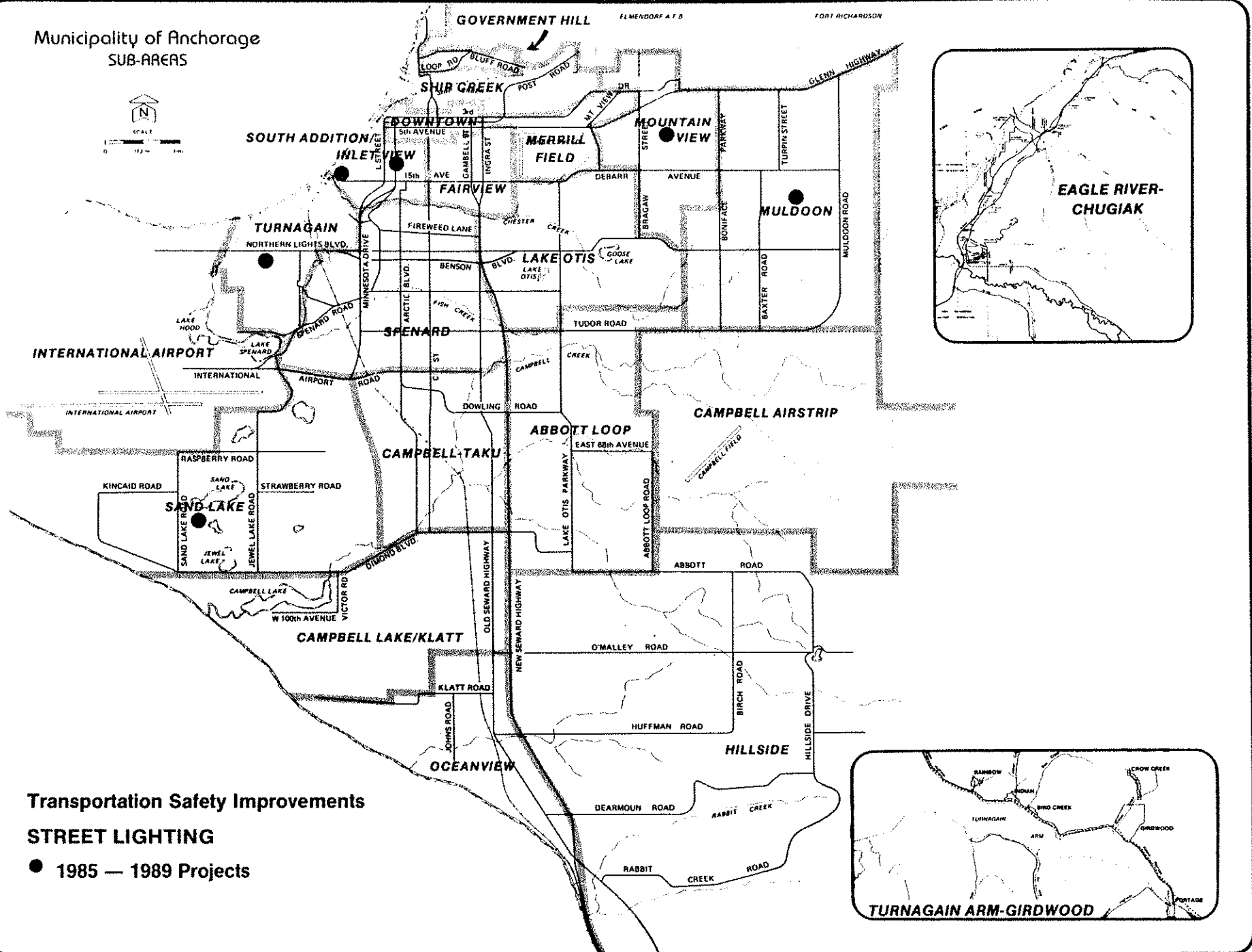
Municipality of Anchorage SUB-AREAS



MUNICIPALITY OF ANCHORAGE
1984 - 1989 CAPITAL IMPROVEMENT PROGRAM

Department Public Works	Project Category Transportation Safety Improvements						Account Code 0441-7761
<p>Street Illumination - This project will install or upgrade roadway lighting as follows:</p> <p>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.</p> <p>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.</p> <p>Neighborhood Illumination - This project will install needed residential street lighting in areas where lighting is deficient. Areas requiring lighting are Muldoon, Government Hill, Sandlake, Mountain View, South Addition, Inlet View, and Turnagain. (750) Illuminate pedestrian areas of concentration (750).</p> <p>Many subdivisions have substandard or no street lighting at all. This project will provide matching funds for street lights in conjunction with road improvement districts.</p>	PROJECT COST IN THOUSANDS OF DOLLARS						FUND SOURCE S-State L-Local F-Federal B-Bonds
	1984	1985	1986	1987	1988	1989	
TOTALS	10,193	7,960	7,870	7,400	7,940	8,300	S- 38,633 F- L- B- 11,030

Municipality of Anchorage SUB-AREAS



Transportation Safety Improvements
STREET LIGHTING
● 1985 — 1989 Projects

MUNICIPALITY OF ANCHORAGE
1984 - 1989 CAPITAL IMPROVEMENT PROGRAM

Department Public Works	Project Category Areawide Communications					Account Code 0441-7761	
PROJECT TITLE AND DESCRIPTION	PROJECT COST IN THOUSANDS OF DOLLARS						FUND SOURCE S-State L-Local F-Federal B-Bonds
	1984	1985	1986	1987	1988	1989	
Areawide Communications - This project upgrades facilities and equipment to accommodate a growing demand for communication services. One new communication site will be improved in the 1985 Capital Improvement Program	598	600	900	550	650	550	B - 2,245 S - 1,603
TOTALS	598	600	900	550	650	550	S- 2,245 F- L- B- 1,603