

**CAPITAL IMPROVEMENTS PROGRAM SUMMARY**  
**STREET IMPROVEMENT PROJECTS**

(1) Department Public Works

(2) Division Engineering

(3) PROJECT TITLE(S)	TOTAL PROJECT COST (4)	TO BE FUNDED (IN THOUSANDS) (5)						(6)	(7)	(8)	(9)	(10)	(11)
		G/O BONDS	REVENUE BONDS	FEDERAL	STATE	OTHER *		19 <u>77</u>	19 <u>78</u>	19 <u>79</u>	19 <u>80</u>	19 <u>81</u>	19 <u>82</u>
77-1 <i>35</i> Old Seward - 36th to 44th	(A) 960.0	725.0			235.0			960.0					
77-2 <i>35</i> 88th-Northwood-Strawberry (Prior year - 2,100)	(C) 3,800.0	3,800.0						1,700.0					
77-3 <i>319</i> Spensard & Fireweed (Prior year - 320)	(A/C) 990.0	890.0			100.0			670.0					
77-4 <i>314</i> Commercial - Post to Taylor (Prior year - 1,500)	(A) 1,720.0	1,720.0						220.0					
77-5 <i>314</i> 20th & Sitka (Prior year - 990)	(C) 1,140.0	1,140.0	(A) Arterial Streets (C) Collector Street					150.0					
<b>TOTAL (12)</b>													
<b>* OTHER SOURCE OF FUNDS (13)</b>			<b>FUNDING (14)</b>										
ESTIMATES IN THOUSANDS			General Obligation Bonds										
			Revenue Bonds										
			Federal										
			State										
			Other										
			_____										
			_____										
			<b>TOTAL</b>										

*AR 78-64  
5/14/78*

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(1) Department **Public Works**

(2) Division **Engineering**

(3) PROJECT TITLE(S)	TOTAL PROJECT COST (4)	TO BE FUNDED (IN THOUSANDS) (5)						(6)	(7)	(8)	(9)	(10)	(11)
		G/O BONDS	REVENUE BONDS	FEDERAL	STATE	OTHER *		19 <u>77</u>	19 <u>78</u>	19 <u>79</u>	19 <u>80</u>	19 <u>81</u>	19 <u>82</u>
78-1 Fireweed - Arctic to Seward	(C) 1,600.0	1,600.0											
78-2 Mt. View Dr. - Comm- ercial to Bragaw	(A) 460.0	460.0											
78-3 Mt. View Dr. - Bragaw to McCarrey	(C) 1,200.0	1,200.0											
78-4 36th - "C" to New Seward	(A) 1,350.0	1,350.0											
78-5 Wisconsin Realignment 44th to Spenard Road	(C) 550.0	550.0											
			(A) Arterial Street										
			(C) Collector Street										
<b>TOTAL (12)</b>													
<b>* OTHER SOURCE OF FUNDS (13)</b>			<b>FUNDING (14)</b>										
ESTIMATES IN THOUSANDS			General Obligation Bonds										
			Revenue Bonds										
			Federal										
			State										
			Other										
			_____										
			_____										
			TOTAL										

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(1) Department **Public Works**

(2) Division **Engineering**

(3) PROJECT TITLE(S)	TOTAL PROJECT COST (4)	TO BE FUNDED (IN THOUSANDS) (5)					(6) 19 <u>77</u>	(7) 19 <u>78</u>	(8) 19 <u>79</u>	(9) 19 <u>80</u>	(10) 19 <u>81</u>	(11) 19 <u>82</u>
		G/O BONDS	REVENUE BONDS	FEDERAL	STATE	OTHER *						
79-1 36th - Arctic to "C"	(A) 680.0	680.0						680.0				
79-2 Baxter - Tudor to 16th	(C) 2,900.0	2,900.0						2,900.0				
79-3 Patterson - Northern Lights Boulevard to Tudor	(C) 660.0	660.0						660.0				
79-4 Patterson - DeBarr to E. 6th	(C) 850.0	850.0						850.0				
(A) Arterial Street (C) Collector Street												
<b>TOTAL (12)</b>												
<b>* OTHER SOURCE OF FUNDS (13)</b>			<b>FUNDING (14)</b>									
<b>ESTIMATES IN THOUSANDS</b>			General Obligation Bonds									
			Revenue Bonds									
			Federal									
			State									
			Other									
			_____									
			_____									
			<b>TOTAL</b>									

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(1) Department Public Works

(2) Division Engineering

(3) PROJECT TITLE(S)	TOTAL PROJECT COST (4)	TO BE FUNDED (IN THOUSANDS) (5)						(6)	(7)	(8)	(9)	(10)	(11)
		G/O BONDS	REVENUE BONDS	FEDERAL	STATE	OTHER *		19 <u>77</u>	19 <u>78</u>	19 <u>79</u>	19 <u>80</u>	19 <u>81</u>	19 <u>82</u>
80-1 Arctic - 44th to International	(A) 960.0	960.0									960.0		
80-2 Turpin - DeBarr to Glenn	(C) 1,900.0	1,900.0									1,900.0		
80-3 Wisconsin - Northern Lights Boulevard to Spenard Road	(C) 1,680.0	1,680.0									1,680.0		
80-4 E. 6th - Patterson to Muldoon	(C) 880.0	880.0									880.0		
TOTAL (12)													
* OTHER SOURCE OF FUNDS (13)			FUNDING (14)										
ESTIMATES IN THOUSANDS			General Obligation Bonds										
			Revenue Bonds										
			Federal										
			State										
			Other										
			_____										
			_____										
			TOTAL										

**CAPITAL IMPROVEMENTS PROGRAM SUMMARY**  
**STREET IMPROVEMENT PROJECTS**

(1) Department **Public Works**

(2) Division **Engineering**

(3) PROJECT TITLE(S)	TOTAL PROJECT COST (4)	TO BE FUNDED (IN THOUSANDS) (5)					(6) 1977	(7) 1978	(8) 1979	(9) 1980	(10) 1981	(11) 1982
		G/O BONDS	REVENUE BONDS	FEDERAL	STATE	OTHER *						
81-1 E. 6th - Pine to Boniface	600.0	600.0								600.0		
81-2 Pine - 6th to Glenn	(C) 690.0	690.0								690.0		
81-3 E. 6th - Muldoon to Cherry	(C) 570.0	570.0								570.0		
81-4 Arctic - International to Raspberry	(A) 820.0	820.0								820.0		
81-5 Oklahoma - E. 6th to Patterson	(C) 850.0	850.0			(A) Arterial Street (C) Collector Street					850.0		
81-6 Old Seward - 44th to Dowling	(A) 1,900.0	1,900.0								1,900.0		
<b>TOTAL (12)</b>												
<b>* OTHER SOURCE OF FUNDS (13)</b>		<b>FUNDING (14)</b>										
ESTIMATES IN THOUSANDS		General Obligation Bonds										
		Revenue Bonds										
		Federal										
		State										
		Other										
		_____										
		_____										
		<b>TOTAL</b>										

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**STREET IMPROVEMENT PROJECTS**

(1) Department Public Works

(2) Division Engineering

(3) PROJECT TITLE(S)	TOTAL PROJECT COST (4)	TO BE FUNDED (IN THOUSANDS) (5)						(6)	(7)	(8)	(9)	(10)	(11)	
		G/O BONDS	REVENUE BONDS	FEDERAL	STATE	OTHER *		1977	1978	1979	1980	1981	1982	
82-1 Cherry - Peck to 10th	(C) 820.0	820.0						0					820.0	
82-2 Arctic - Raspberry to Dimond	(C) 1,800.0	1,800.0											1,800.0	
82-3 Pine - DeBarr to Reka	(C) 500.0	500.0											500.0	
82-4 Providence - Lake Otis to University Drive	(A) 1,050.0	1,050.0											1,050.0	
77-6 Anticipated Road Improvement Districts	19,000.0	19,000.0						3,500.0	3,500.0	3,500.0	3,500.0	2,500.0	2,500.0	
<b>TOTAL (12)</b>	<b>52,880.0</b>	<b>52,545.0</b>				<b>335.0</b>		<b>7,200.0</b>	<b>8,660.0</b>	<b>8,590.0</b>	<b>8,920.0</b>	<b>7,930.0</b>	<b>6,670.0</b>	
<b>* OTHER SOURCE OF FUNDS (13)</b>		<b>FUNDING (14)</b>												
		General Obligation Bonds						6,865.0	8,660.0	8,590.0	8,920.0	7,930.0	6,670.0	
		Revenue Bonds												
		Federal												
		State (Local Service Roads & Trails						335.0						
		Other Grant)												
<b>ESTIMATES IN THOUSANDS</b>														
		<b>TOTAL</b>						<b>7,200.0</b>	<b>8,660.0</b>	<b>8,590.0</b>	<b>8,920.0</b>	<b>7,930.0</b>	<b>6,670.0</b>	

CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works - Engineering

(2) Project Title: Old Seward - 36th to 44th

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)
(11) Equipment (Moveable)								
(12) Land								
(13) Buildings								
(14) Other Improvements	960.0		960.0					
(15) Overhead								
<b>TOTAL</b>								
(16) Source of Funds								
Bonds - <u>General Obligation</u>	725.0		725.0					
Grants - <u>Local Service Roads &amp; Operational Trails (State)</u>	235.0		235.0					
<b>TOTAL</b>	960.0		960.0					

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: 115.0  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date 1-1-77  
 (23) Estimated Completion Date 10-1-77

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Upgrading to four lane arterial standards with channelization, including full improvement of the 36th and 44th intersections. The current and projected commercial development adjacent to this minor arterial, an 8500 ADT (1976), and intersecting major and minor arterial traffic levels necessitate these improvements.

Municipal arterial cost 860.0  
 Assessable cost -0-  
 Storm drainage cost 100.0  
**TOTAL 960.0**

## CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works - Engineering

(2) Project Title: 88th - Northwood - Strawberry

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)
(11) Equipment (Moveable)								
(12) Land								
(13) Buildings								
(14) Other Improvements	3,800.0	2,100.0	1,700.0					
(15) Overhead								
TOTAL								
(16) Source of Funds								
Bonds - <u>General Obligation</u>	3,800.0	2,100.0	1,700.0					
Grants - _____								
Operational _____								
TOTAL								
(17) Gross Floor Area _____ Sq. Ft.				(20) Architectural and Engineering Fees: <u>456.0</u>				
(18) Building Cost Per Sq. Ft. \$ _____				(21) Percent of Building Cost <u>12</u> %				
(19) Project Status _____				(22) Estimated Start Date <u>1-1-77</u>				
				(23) Estimated Completion Date <u>10-1-77</u>				
(24) Project Description and Justification (Continue on Additional Sheets. Same Size) 88th Ave. - Dewberry to Northwood, upgrading to match existing four lane paved collector street. Project will include construction behind curb of a portion of the Jewel Lake Bicycle Trail.								
Northwood Street - 88th to Strawberry, and Strawberry Road - Lotus drive, to AlReico Drive, construction of four lane collector streets.								
Improvements are necessary to permit access to adjacent property and to relieve north-south collector street traffic pressure on minor residential streets in this part of Sand Lake.								
Municipal collector cost	1,970.0							
Assessable cost	980.0							
Storm Drain cost	<u>850.0</u>							
TOTAL	3,800.0							



## CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works - Engineering

(2) Project Title: Spenard and Fireweed

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	1982 (10)
(11) Equipment (Moveable) (12) Land (13) Buildings (14) Other Improvements (15) Overhead TOTAL	990.0	320.0	670.0					
(16) Source of Funds								
Bonds - <u>General Obligation</u>	890.0	320.0	570.0					
Grants - <u>Local Service Roads &amp; Operational Trails (State)</u>	100.0		100.0					
TOTAL	990.0	320.0	670.0					
(17) Gross Floor Area _____ Sq. Ft.				(20) Architectural and Engineering Fees: <u>120.0</u>				
(18) Building Cost Per Sq. Ft. \$ _____				(21) Percent of Building Cost <u>12</u> %				
(19) Project Status _____				(22) Estimated Start Date <u>1-1-77</u>				
				(23) Estimated Completion Date <u>10-1-77</u>				
(24) Project Description and Justification (Continue on Additional Sheets. Same Size) Spenard Road - Northern Lights Boulevard to Hillcrest Drive, upgrading to four lane minor arterial standards including channelization and other intersection improvements at Fireweed Lane.								
Fireweed Lane - Arctic Blvd. to Spenard Road, upgrading to four lane collector standards.								
Improvements are necessary because of business and commercial development and traffic levels on Spenard Road of 10,800 ADT (1975) and Fireweed Lane of 9,200 (1976).								
Municipal arterial cost	570.0							
Municipal collector cost	250.0							
Assessable cost	120.0							
Storm drainage cost	50.0							
TOTAL	990.0							

CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works - Engineering

(2) Project Title: Commercial - Post to Taylor

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)
(11) Equipment (Moveable)								
(12) Land								
(13) Buildings								
(14) Other Improvements								
(15) Overhead								
<b>TOTAL</b>	1,720.0	1,500.0	220.0					
(16) Source of Funds								
Bonds - <u>General Obligation</u>	1,720.0	1,500.0	220.0					
Grants - _____								
- Operational _____								
_____								
<b>TOTAL</b>								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: 140.0  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date 1-1-77  
 (23) Estimated Completion Date 10-1-77

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)  
 Upgrading to four lane arterial standards including bike path - sidewalk. This upgrading is needed due to current (1975 - 9,400 ADT) and projected traffic volumes. Though current traffic levels warrant improvements, adoption of revised AMATS 3rd and 4th Avenues plan may reduce future growth.

Municipal arterial cost      1,550.0  
 Assessable cost                      -0-  
 Storm drainage cost              170.0  
  
 TOTAL                                      1,720.0

CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works-Engineering

(2) Project Title: 20th and Sitka

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)
(11) Equipment (Moveable)								
(12) Land								
(13) Buildings								
(14) Other Improvements	1,140.0	990.0	150.0					
(15) Overhead								
<b>TOTAL</b>								
(16) Source of Funds								
Bonds - <u>General Obligation</u>	1,170.0	990.0	150.0					
Grants - _____								
- Operational _____								
<b>TOTAL</b>								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.

(20) Architectural and Engineering Fees: 137.0

(18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_

(21) Percent of Building Cost 12 %

(19) Project Status \_\_\_\_\_

(22) Estimated Start Date 1-1-77

(23) Estimated Completion Date 10-1-77

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

20th Avenue - Karluk Street to Sitka Street and Sitka Street - 15th to 20th Avenues, construction of four lane collector streets necessary for access to adjacent residential developments and to Chester Creek Greenbelt.

Municipal collector cost	670.0
Assessable cost	330.0
Storm Drainage cost	<u>140.0</u>
<b>TOTAL</b>	<b>1,140.0</b>

CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works - Engineering

(2) Project Title: Fireweed - Arctic to Seward

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands					
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)	
(11) Equipment (Moveable) (12) Land (13) Buildings (14) Other Improvements (15) Overhead TOTAL	1,600.0			1,600.0					
(16) Source of Funds									
Bonds - <u>General Obligation</u>	1,600.0			1,600.0					
Grants - _____ • Operational _____ _____									
TOTAL									

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: 190.0  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date 1-1-78  
 (23) Estimated Completion Date 10-1-78

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Upgrading to four lane collector standards including channelization and other intersection improvements. The Northern Lights - Bensen Boulevard couplet has not decreased the need for improvement of this street which conveys 13,600 ADT (1976).

Municipal collector cost            930.0  
 Assessable cost                      470.0  
 Storm drainage cost                  200.0  
  
 TOTAL                                      1,600.0

CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works - Engineering

(2) Project Title: Mt. View Drive - Commercial to Bragaw

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)
(11) Equipment (Moveable) (12) Land (13) Buildings (14) Other Improvements (15) Overhead TOTAL	460.0			460.0				
(16) Source of Funds								
Bonds - <u>General Obligation</u>	460.0			460.0				
Grants - _____ - Operational _____ TOTAL								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: 55.0  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date 1-1-78  
 (23) Estimated Completion Date 10-1-78

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Upgrading to four lane arterial standards to provide needed capacity for current (1976 - 13,600 ADT) and projected traffic levels.

Municipal arterial cost	410.0
Assessable cost	-0-
Storm Drainage cost	<u>50.0</u>
TOTAL	460.0

## CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works - Engineering

(2) Project Title: Mt. View Drive - Bragaw to McCarrey

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)
(11) Equipment (Moveable)								
(12) Land								
(13) Buildings								
(14) Other Improvements	1,200.0			1,200.0				
(15) Overhead								
TOTAL								
(16) Source of Funds								
Bonds - <u>General Obligation</u>	1,200.0			1,200.0				
Grants - _____								
- Operational _____								
TOTAL								
(17) Gross Floor Area _____ Sq. Ft.				(20) Architectural and Engineering Fees: <u>144.0</u>				
(18) Building Cost Per Sq. Ft. \$ _____				(21) Percent of Building Cost <u>12</u> %				
(19) Project Status _____				(22) Estimated Start Date <u>1-1-78</u>				
				(23) Estimated Completion Date <u>10-1-78</u>				
(24) Project Description and Justification (Continue on Additional Sheets. Same Size)								
Upgrading to four lane collector standards including channelization and other intersection improvements Improvements necessary to provide capacity for current (1976 - 13,600 ADT) and project traffic levels.								
Municipal Collector cost	733.0							
Assessable cost	367.0							
Storm drainage cost	<u>100.0</u>							
TOTAL	1,200.0							

CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works - Engineering

(2) Project Title: 36th -"C" to New Seward

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)
(11) Equipment (Moveable)								
(12) Land								
(13) Buildings								
(14) Other Improvements								
(15) Overhead								
<b>TOTAL</b>	1,350.0			1,350.0				
(16) Source of Funds								
Bonds - <u>General Obligation</u>	1,350.0			1,350.0				
Grants - _____								
Operational _____								
<b>TOTAL</b>								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: 162.0  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date 1-1-78  
 (23) Estimated Completion Date 10-1-78

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Upgrading to four lane arterial standards to provide capacity for current (1976 - 9,000 ADT) and projected traffic levels. An increase in the amount of turning traffic due to continued development of adjacent land will result in an acute need for these improvements.

Municipal arterial cost      1,150.0  
 Assessable cost                      -0-  
 Storm drainage cost              200.0  
  
 TOTAL                                      1,350.0

CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works - Engineering

(2) Project Title: Wisconsin Realignment

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)
(11) Equipment (Moveable)	550.0			550.0				
(12) Land								
(13) Buildings								
(14) Other Improvements								
(15) Overhead								
TOTAL								
(16) Source of Funds	550.0			550.0				
Bonds - <u>General Obligation</u>								
Grants - _____								
Operational _____								
TOTAL								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: 66.0  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date 1-1-78  
 (23) Estimated Completion Date 10-1-78

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Completion of right-of-way acquisition allows the realignment of this collector street to intersect directly Spenard Road. Project area would be from 44th Avenue to Spenard Road and will eliminate the hazardous intersection of Lakeshore Drive and Spenard Road.

Municipal collector cost	313.0
Assessable cost	157.0
Storm drainage cost	<u>80.0</u>
TOTAL	550.0



CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works - Engineering

(2) Project Title: 36th - Arctic to "C"

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)
(11) Equipment (Moveable) (12) Land (13) Buildings (14) Other Improvements (15) Overhead TOTAL	680.0				680.0			
(16) Source of Funds	680.0				680.0			
Bonds - <u>General Obligation</u> Grants - _____ Operational _____ TOTAL								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
(18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
(19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: 82.0  
(21) Percent of Building Cost 12 %  
(22) Estimated Start Date 1-1-79  
(23) Estimated Completion Date 10-1-79

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Upgrading to four lane arterial standards to provide capacity for projected traffic levels (1976 actual - 9,000 ADT) and an increase in turning traffic due to adjacent property development.

Municipal arterial cost            660.0  
Assessable cost                    -0-  
Storm drainage cost                20.0  
  
TOTAL                                    680.0

CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works - Engineering

(2) Project Title: Baxter - Tudor to 16th

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)
(11) Equipment (Moveable)								
(12) Land								
(13) Buildings								
(14) Other improvements								
(15) Overhead								
<b>TOTAL</b>	2,900.0				2,900.0			
(16) Source of Funds								
Bonds - <u>General Obligation</u>	2,900.0				2,900.0			
Grants - _____								
- Operational _____								
<b>TOTAL</b>								

(17) Gross Floor Area _____ Sq. Ft.	(20) Architectural and Engineering Fees: <u>350.0</u>
(18) Building Cost Per Sq. Ft. \$ _____	(21) Percent of Building Cost <u>12</u> %
(19) Project Status _____	(22) Estimated Start Date <u>1-1-79</u>
	(23) Estimated Completion Date <u>10-1-79</u>

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Upgrading to four lane collector street standards to provide capacity for projected traffic levels (1976 actual - 3,000 ADT).

Municipal collector cost	1,670.0
Assessable cost	830.0
Storm drainage cost	<u>400.0</u>
<b>TOTAL</b>	2,900.0

CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works-Engineering

(2) Project Title: Patterson - Northern Lights to Tudor

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)
(11) Equipment (Moveable) (12) Land (13) Buildings (14) Other Improvements (15) Overhead TOTAL	660.0				660.0			
(16) Source of Funds	660.0				660.0			
Bonds - <u>General Obligation</u>								
Grants - _____								
Operational _____								
TOTAL								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: 80.0  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date 1-1-79  
 (23) Estimated Completion Date 10-1-79

(24) Project Description and Justification (Continue on Additional Sheets, Same Size)

Upgrading to four lane collector standards to provide capacity for projected future traffic levels. Gravel base construction was completed and temporary two-lane surfacing installed during 1975. Improvements proposed for 1979 would be primarily installation of a four-lane high-type A.C. pavement, concrete curbs and gutters and sidewalks.

Municipal collector cost      370.0  
 Assessable cost                190.0  
 Storm drainage cost            100.0  
 TOTAL                                660.0

## CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works - Engineering

(2) Project Title: Patterson - DeBarr to E. 6th

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)
(11) Equipment (Moveable)								
(12) Land								
(13) Buildings								
(14) Other Improvements	850.0				850.0			
(15) Overhead								
TOTAL								
(16) Source of Funds								
Bonds - <u>General Obligation</u>	850.0				850.0			
Grants - _____								
Operational _____								
TOTAL								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: 100.0  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date 1-1-79  
 (23) Estimated Completion Date 10-1-79

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Upgrading to four lane collector standards to provide capacity for projected future traffic counts.

Municipal collector cost	490.0
Assessable cost	240.0
Storm drainage cost	<u>120.0</u>
TOTAL	850.0

CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works - Engineering

(2) Project Title: Arctic - 44th to International

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	1981 (9)	19 <u>82</u> (10)
(11) Equipment (Moveable)	960.0					960.0		
(12) Land								
(13) Buildings								
(14) Other Improvements								
(15) Overhead								
<b>TOTAL</b>								
(16) Source of Funds	960.0					960.0		
Bonds - <u>General Obligation</u>								
Grants - _____								
Operational _____								
<b>TOTAL</b>								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: 115.0  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date 1-1-80  
 (23) Estimated Completion Date 10-1-80

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Upgrading to four lane arterial standards to provide capacity for projected future traffic levels (1976 actual - 8,500 ADT).

Municipal arterial cost	820.0
Assessable cost	-0-
Storm drainage cost	<u>140.0</u>
<b>TOTAL</b>	<b>960.0</b>

## CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works - Engineering

(2) Project Title: Turpin - DeBarr to Glenn

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)
(11) Equipment (Moveable)								
(12) Land								
(13) Buildings								
(14) Other Improvements	1,900.0					1,900.0		
(15) Overhead								
TOTAL								
(16) Source of Funds								
Bonds - <u>General Obligation</u>	1,900.0					1,900.0		
Grants - _____								
Operational _____								
TOTAL								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: 230.0  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date 1-1-80  
 (23) Estimated Completion Date 10-1-80

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Ungrading to four lane collector standards to provide capacity for future traffic levels (1976 actual - 4,000 ADT).

Municipal collector cost	1,130.0
Assessable cost	570.0
Storm drainage cost	<u>200.0</u>
TOTAL	1,900.0

CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works - Engineering

(2) Project Title: Wisconsin - Northern Lights to Spenard Road

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)
(11) Equipment (Moveable)								
(12) Land								
(13) Buildings								
(14) Other Improvements	1,680.0					1,680.0		
(15) Overhead								
<b>TOTAL</b>								
(16) Source of Funds								
Bonds - <u>General Obligation</u>	1,680.0					1,680.0		
Grants - _____								
Operational _____								
<b>TOTAL</b>								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: 200.0  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date 1-1-80  
 (23) Estimated Completion Date 10-1-80

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Upgrading to four lane collector standards to provide capacity for projected future traffic levels.

Municipal collector cost	950.0
Assessable cost	480.0
Storm drainage cost	<u>250.0</u>
<b>TOTAL</b>	<b>1,680.0</b>

CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works - Engineering

(2) Project Title: E. 6th - Patterson to Muldoon

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				1978 (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)
(11) Equipment (Moveable)	880.0					880.0		
(12) Land								
(13) Buildings								
(14) Other Improvements								
(15) Overhead								
TOTAL								
(16) Source of Funds	880.0					880.0		
Bonds - <u>General Obligation</u>								
Grants - _____								
- Operational _____								
TOTAL								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: 106.0  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date 1-1-80  
 (23) Estimated Completion Date 10-1-80

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Upgrading to four lane collector standard to provide an improved driving surface and capacity for projected future traffic levels.

Municipal collector cost	500.0
Assessable cost	250.0
Storm drainage cost	<u>130.0</u>
TOTAL	880.0



CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works - Engineering

(2) Project Title: E. 6th-Pine to Boniface

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)
(11) Equipment (Moveable) (12) Land (13) Buildings (14) Other Improvements (15) Overhead TOTAL	600.0						600.0	
(16) Source of Funds	600.0						600.0	
Bonds - <u>General Obligation</u> Grants - _____ • Operational _____ _____								
TOTAL								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_  
 (20) Architectural and Engineering Fees: 72.0  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date 1-1-81  
 (23) Estimated Completion Date 10-1-81

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Upgrading to four lane collector standard to provide an improved access for adjacent land and capacity for projected future traffic levels in the South Mt. View area.

Municipal collector cost 340.0  
 Assessable cost 170.0  
 Storm drainage cost 90.0  
 TOTAL 600.0

CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works - Engineering

(2) Project Title: Pine - 6th to Glenn

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)
(11) Equipment (Moveable) (12) Land (13) Buildings (14) Other Improvements (15) Overhead TOTAL	690.0						690.0	
(16) Source of Funds	690.0						690.0	
Bonds - <u>General Obligation</u> Grants - _____ • Operational _____ _____ TOTAL								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: 83.0  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date 1-1-81  
 (23) Estimated Completion Date 10-1-81

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Construction and upgrading to four lane collector standard which will complete the collector street from DeBarr Road to the Glenn Highway.

Municipal collector cost           390.0  
 Assessable cost                   200.0  
 Storm drainage cost            100.0  
 TOTAL                               390.0

CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works - Engineering

(2) Project Title: E. 6th - Muldoon to Cherry

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)
(11) Equipment (Moveable) (12) Land (13) Buildings (14) Other Improvements (15) Overhead TOTAL	570.0						570.0	
(16) Source of Funds	570.0						570.0	
Bonds - <u>General Obligation</u> Grants - _____ Operational _____ TOTAL								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: 68.0  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date 1-1-81  
 (23) Estimated Completion Date 10-1-81

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Upgrading to four lane collector standard to provide an improved driving surface and capacity for projected future traffic levels.

Municipal collector cost	330.0
Assessable cost	160.0
Storm drainage cost	<u>80.0</u>
TOTAL	570.00

## CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works - Engineering

(2) Project Title: Arctic - International to Raspberry

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)
(11) Equipment (Moveable)	820.0						820.0	
(12) Land								
(13) Buildings								
(14) Other Improvements								
(15) Overhead								
TOTAL								
(16) Source of Funds	820.0						820.0	
Bonds - <u>General Obligation</u>								
Grants - _____								
Operational _____								
TOTAL								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: 100.0  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date 1-1-81  
 (23) Estimated Completion Date 10-1-81

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Upgrading to four lane arterial standard to provide capacity for anticipated future traffic levels between International and the proposed State Raspberry Road - Dowling Road arterial construction.

Municipal arterial cost	700.0
Assessable cost	-0-
Storm drainage cost	<u>120.0</u>
TOTAL	820.0

CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works - Engineering

(2) Project Title: Oklahoma - E. 6th to Patterson

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)
(11) Equipment (Moveable) (12) Land (13) Buildings (14) Other Improvements (15) Overhead TOTAL	850.0						850.0	
(16) Source of Funds								
Bonds — <u>General Obligation</u>	850.0						850.0	
Grants — _____								
Operational _____								
TOTAL								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: 100.0  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date 1-1-81  
 (23) Estimated Completion Date 10-1-81

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Upgrading to four lane collector standard to provide an improved driving surface and capacity for projected future traffic levels.

Municipal collector cost 480.0  
 Assessable cost 240.0  
 Storm drainage cost 130.0  
 TOTAL 850.0

## CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works-Engineering

(2) Project Title: Old Seward - 44th to Dowling

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)
(11) Equipment (Moveable) (12) Land (13) Buildings (14) Other Improvements (15) Overhead TOTAL	1,900.0						1,900.0	
(16) Source of Funds								
Bonds - <u>General Obligation</u>	1,900.0						1,900.0	
Grants - _____ - Operational _____ _____								
TOTAL								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: 228.0  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date 1-1-81  
 (23) Estimated Completion Date 10-1-81

(24) Project Description and Justification (Continue on Additional Sheets, Same Size)

Upgrading to four lane arterial standards to provide capacity for projected future traffic levels.

Municipal arterial cost	1,080.0
Assessable cost	540.0
Storm drainage cost	<u>280.0</u>
TOTAL	1,900.0

CAPITAL PROJECT ESTIMATE

(1) Department and Division: **Public Works - Engineering**

(2) Project Title: **Cherry - Peck to 10th**

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)
(11) Equipment (Moveable)								
(12) Land								
(13) Buildings								
(14) Other Improvements								
(15) Overhead								
<b>TOTAL</b>	<b>820.0</b>							<b>820.0</b>
(16) Source of Funds								
Bonds - <u>General Obligation</u>	<b>820.0</b>							<b>820.0</b>
Grants - _____								
Operational _____								
<b>TOTAL</b>								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: 98.0  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date 1-1-82  
 (23) Estimated Completion Date 10-1-82

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Upgrading to four lane collector standard to provide an improved driving surface and capacity for projected future traffic levels.

Municipal collector cost            470.0  
 Assessable cost                      230.0  
 Storm drainage cost                 120.0  
**TOTAL**                                    **820.0**

CAPITAL PROJECT ESTIMATE

(1) Department and Division: **Public Works - Engineering**

(2) Project Title: **Arctic - Raspberry to Dimond**

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)
(11) Equipment (Moveable)								
(12) Land								
(13) Buildings								
(14) Other Improvements	1,800.0							1,800.0
(15) Overhead								
<b>TOTAL</b>								
(16) Source of Funds								
Bonds - <u>General Obligation</u>	1,800.0							1,800.0
Grants - _____								
Operational _____								
<b>TOTAL</b>								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: 216.0  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date 1-1-82  
 (23) Estimated Completion Date 10-1-82

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Upgrading to four lane collector standard to provide capacity for projected future traffic levels.

Municipal collector cost           1,020.0  
 Assessable cost                    510.0  
 Storm drainage cost               270.0  
**TOTAL**                               **1,800.0**



CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works - Engineering

(2) Project Title: Pine - DeBarr to Reka

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 77 (5)	Estimated Requirements in Thousands				
				19 78 (6)	19 79 (7)	19 80 (8)	19 81 (9)	19 82 (10)
(11) Equipment (Moveable)								
(12) Land								
(13) Buildings								
(14) Other Improvements								
(15) Overhead								
<b>TOTAL</b>	<b>500.0</b>							<b>500.0</b>
(16) Source of Funds								
Bonds - <u>General Obligation</u>	500.0							500.0
Grants - _____								
Operational _____								
<b>TOTAL</b>								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: 60.0  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date 1-1-82  
 (23) Estimated Completion Date 10-1-82

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Construction of a four lane collector street to provide improved access to adjacent land.

Municipal collector cost	300.0
Assessable cost	150.0
Storm drainage cost	<u>50.0</u>
<b>TOTAL</b>	<b>500.0</b>

## CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works - Engineering

(2) Project Title: Providence - Lake Otis to University Drive

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)
(11) Equipment (Moveable) (12) Land (13) Buildings (14) Other Improvements (15) Overhead TOTAL	1,050.0							1,050.0
(16) Source of Funds								
Bonds - <u>General Obligation</u> Grants - _____ Operational _____ TOTAL	1,050.0							1,050.0

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.

(18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_

(19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: 126.0(21) Percent of Building Cost 12 %(22) Estimated Start Date 1-1-82(23) Estimated Completion Date 10-1-82

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Upgrading to four lane arterial to provide capacity for projected future traffic levels (1976 actual - 10,500)

Municipal arterial cost	630.0
Assessable cost	320.0
Storm drainage cost	<u>100.0</u>

TOTAL	1,050.0
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## CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works - Engineering

(2) Project Title: Anticipated Road Improvement Districts

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)
(11) Equipment (Moveable) (12) Land (13) Buildings (14) Other Improvements (15) Overhead TOTAL	19,000.0		3,500.0	3,500.0	3,500.0	3,500.0	2,500.0	2,500.0
(16) Source of Funds								
Bonds - <u>General Obligation</u>	19,000.0		3,500.0	3,500.0	3,500.0	3,500.0	2,500.0	2,500.0
Grants - _____								
Operational _____								
TOTAL								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.

(20) Architectural and Engineering Fees: 2,300.0

(18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_

(21) Percent of Building Cost 12 %

(19) Project Status \_\_\_\_\_

(22) Estimated Start Date 1-1-77(23) Estimated Completion Date 10-1-82

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

This category provides funds for the construction of all streets, not indicated on the Official Streets and Highways Map as freeways, arterials or collectors, which are to be constructed under special assessment districts.

	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>
Estimated Municipal Cost	250.0	250.0	250.0	250.0	180.0	180.0
Estimated Assessable Cost	<u>3,250.0</u>	<u>3,250.0</u>	<u>3,250.0</u>	<u>3,250.0</u>	<u>2,320.0</u>	<u>2,320.0</u>
TOTAL	3,500.0	3,500.0	3,500.0	3,500.0	2,500.0	2,500.0

**CAPITAL IMPROVEMENTS PROGRAM SUMMARY  
STORM DRAINAGE PROJECTS**

(1) Department **Public Works**

(2) Division **Engineering**

(3) PROJECT TITLE(S)	TOTAL PROJECT COST (4)	TO BE FUNDED (IN THOUSANDS) (5)						(6)	(7)	(8)	(9)	(10)	(11)	
		G/O BONDS	REVENUE BONDS	FEDERAL	STATE	OTHER *		1977	1978	1979	1980	1981	1982	
77-1 <sup>35</sup> Pine Street Storm System (Prior year - 500)	1,600.0	1,600.0						1,100.0						
77-2 <sup>25</sup> Sherwood Acres Storm System Phase I	840.0	840.0						840.0						
77-3 <sup>35</sup> Dimond Birch Sub. Storm System	310.0	310.0						310.0						
78-1 <sup>25</sup> Muldoon Area Creek Channel Improvement	70.0	70.0							70.0					
78-2 <sup>35</sup> "C" Street - 36th to 40th Storm System	270.0	270.0							270.0					
<b>TOTAL (12)</b>														
<b>* OTHER SOURCE OF FUNDS (13)</b>		<b>FUNDING (14)</b>												
<b>ESTIMATE IN THOUSANDS</b>		General Obligation Bonds												
		Revenue Bonds												
		Federal												
		State												
		Other												
		_____												
		_____												
		<b>TOTAL</b>												

**CAPITAL IMPROVEMENTS PROGRAM SUMMARY  
STORM DRAINAGE PROJECTS**

(1) Department **Public Works**

(2) Division **Engineering**

(3) PROJECT TITLE(S)	TOTAL PROJECT COST (4)	TO BE FUNDED (IN THOUSANDS) (5)					(6) 19 <u>77</u>	(7) 19 <u>78</u>	(8) 19 <u>79</u>	(9) 19 <u>80</u>	(10) 19 <u>81</u>	(11) 19 <u>82</u>
		G/O BONDS	REVENUE BONDS	FEDERAL	STATE	OTHER *						
78-3 Sherwood Acres Storm System Phase II	310.0	310.0					310.0					
78-4 Fish Creek Channel Improvement	290.0	290.0					290.0					
78-5 Cope Street Drainage System	300.0	300.0					300.0					
79-1 Blackberry, 88th - Strawberry Storm System	550.0	550.0						550.0				
79-2 Patterson Street Storm System	400.0	400.0						400.0				
<b>TOTAL (12)</b>												
<b>* OTHER SOURCE OF FUNDS (13)</b>			<b>FUNDING (14)</b>									
ESTIMATE IN THOUSANDS			General Obligation Bonds									
			Revenue Bonds									
			Federal									
			State									
			Other									
			_____									
			_____									
			TOTAL									

**CAPITAL IMPROVEMENTS PROGRAM SUMMARY  
STORM DRAINAGE PROJECTS**

(1) Department **Public Works**

(2) Division **Engineering**

(3) PROJECT TITLE(S)	TOTAL PROJECT COST (4)	TO BE FUNDED (IN THOUSANDS) (5)						(6)	(7)	(8)	(9)	(10)	(11)
		G/O BONDS	REVENUE BONDS	FEDERAL	STATE	OTHER *		19 <u>77</u>	19 <u>78</u>	19 <u>79</u>	19 <u>80</u>	19 <u>81</u>	19 <u>82</u>
79-3 Bunnel Street Storm System	80.0	80.0							80.0				
79-4 Lincoln Park Storm Drain System	100.0	100.0							100.0				
80-1 Turpin Street Storm System	200.0	200.0									200.0		
80-2 Nevilla Park Storm System	290.0	290.0									290.0		
80-3 Roosevelt Park Storm System	210.0	210.0									210.0		
80-4 Northwood Storm System Extension	265.0	265.0									265.0		
<b>TOTAL (12)</b>													
<b>* OTHER SOURCE OF FUNDS (13)</b>			<b>FUNDING (14)</b>										
<b>ESTIMATE IN THOUSANDS</b>			General Obligation Bonds										
			Revenue Bonds										
			Federal										
			State										
			Other										
			_____										
			_____										
			<b>TOTAL</b>										

CAPITAL IMPROVEMENTS PROGRAM SUMMARY

(1) Department Public Works

(2) Division Engineering

(3) PROJECT TITLE(S)	TOTAL PROJECT COST (4)	TO BE FUNDED (IN THOUSANDS) (5)						(6)	(7)	(8)	(9)	(10)	(11)
		G/O BONDS	REVENUE BONDS	FEDERAL	STATE	OTHER *		19_77	19_78	19_79	19_80	19_81	19_82
81-1 Arlene Street Storm System	180.0	180.0										180.0	
81-2 Industrial Park, Int. Apt.-36th Storm System	950.0	950.0										950.0	
82-1 So. Glenn Highway, Oklahoma-Boniface Storm System	650.0	650.0											650.0
82-2 Creekside School, 6th Avenue.-Old Harbor Storm System	490.0	490.0											490.0
77-4 Misc. Drainage Improvements	3,000.0	3,000.0					500.0	500.0	500.0	500.0	500.0	500.0	500.0
<b>TOTAL (12)</b>	<b>11,355.0</b>	<b>11,355.0</b>					<b>2,750.0</b>	<b>1,740.0</b>	<b>1,630.0</b>	<b>1,465.0</b>	<b>1,630.0</b>	<b>1,630.0</b>	<b>1,640.0</b>
<b>* OTHER SOURCE OF FUNDS (13)</b>			<b>FUNDING (14)</b>										
			General Obligation Bonds				2,750.0	1,740.0	1,630.0	1,465.0	1,630.0	1,630.0	1,640.0
			Revenue Bonds										
			Federal										
			State										
			Other										
			_____										
			_____										
			<b>TOTAL</b>				<b>2,750.0</b>	<b>1,740.0</b>	<b>1,630.0</b>	<b>1,465.0</b>	<b>1,630.0</b>	<b>1,630.0</b>	<b>1,640.0</b>

CAPITAL PROJECT ESTIMATE

(1) Department and Division: **Public Works, Engineering**

(2) Project Title: **Pine Street Storm System**

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 _____ (6)	19 _____ (7)	19 _____ (8)	19 _____ (9)	19 _____ (10)
(11) Equipment (Moveable) (12) Land (13) Buildings (14) Other Improvements (15) Overhead <b>TOTAL</b>	1,600.0	500.0	1,100.0					
(16) Source of Funds	1,600.0							
Bonds - <u>G.O.</u>								
Grants - _____								
Operational _____								
<b>TOTAL</b>								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: \_\_\_\_\_  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date Jan. 1977  
 (23) Estimated Completion Date Oct. 1977

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Project begins at an existing storm drain in the Reka Street right-of-way and extends north along Pine Street to 6th Avenue. The system continues from Pine Street at 6th Avenue to intercept the State System at 4th Avenue and Boniface. This system replaces an inadequate open ditch and will eliminate considerable maintenance problems.



CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works, Engineering

(2) Project Title: Sherwood Acres, Storm System - Phase I

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 _____ (6)	19 _____ (7)	19 _____ (8)	19 _____ (9)	19 _____ (10)
(11) Equipment (Moveable) (12) Land (13) Buildings (14) Other Improvements (15) Overhead TOTAL	840.0		840.0					
(16) Source of Funds	840.0							
Bonds - <u>G.O.</u> Grants - _____ Operational _____ TOTAL								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_  
 (20) Architectural and Engineering Fees: \_\_\_\_\_  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date Jan. 1977  
 (23) Estimated Completion Date Oct. 1977

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

This project consists of installing a storm drain trunk to serve a drainage area with limits on the north at International Airport Road, on the east, "C" Street, on the west, the new extension of Minnesota Bypass. The storm drain will replace a portion of an existing ditch running in a north - south direction from 76th Avenue and outfall into Campbell Creek. This will eliminate severe glaciation problems along the existing ditch.

CAPITAL PROJECT ESTIMATE

(1) Department and Division: **Public Works, Engineering**

(2) Project Title: **Dimond Birch Subdivision Storm System**

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 _____ (6)	19 _____ (7)	19 _____ (8)	19 _____ (9)	19 _____ (10)
(11) Equipment (Moveable) (12) Land (13) Buildings (14) Other Improvements (15) Overhead TOTAL	310.0		310.0					
(16) Source of Funds	310.0							
Bonds -- <u>G.O.</u> Grants -- _____ Operational _____ TOTAL								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: \_\_\_\_\_  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date Feb. 1977  
 (23) Estimated Completion Date Oct. 1977

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

The project will serve an area bounded by Northwood on the east, 86th Avenue on the south, Birch Lake on the west, and 79th Avenue on the north. The storm will replace an existing ditch generally running northeasterly through a residential subdivision. Presently the ditch is inadequate to handle the runoff serving this area.

CAPITAL PROJECT ESTIMATE

(1) Department and Division: **Public Works, Engineering**

(2) Project Title: **Muldoon Area Creek Channel Improvement**

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19____ (5)	Estimated Requirements in Thousands				
				19 78 (6)	19____ (7)	19____ (8)	19____ (9)	19____ (10)
(11) Equipment (Moveable) (12) Land (13) Buildings (14) Other Improvements (15) Overhead TOTAL	70.0			70.0				
(16) Source of Funds	70.0							
Bonds -- <u>G.O.</u> Grants -- _____ Operational _____ TOTAL								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_  
 (20) Architectural and Engineering Fees: \_\_\_\_\_  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date Jan. 1978  
 (23) Estimated Completion Date Oct. 1978

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

This project consists of deepening and widening the existing creek running north - south along the Military Boundary adjacent to Spring Acres Subdivision to the crossing in the vicinity of the intersection of Cherry Street and East 6th Avenue. The existing channel is too shallow and creates severe flooding problems in the vicinity of Cherry Street and East 6th Avenue.

CAPITAL PROJECT ESTIMATE

(1) Department and Division: **Public Works, Engineering**

(2) Project Title: **"C" Street - 36th to 40th Storm System**

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19____ (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19____ (7)	19____ (8)	19____ (9)	19____ (10)
(11) Equipment (Moveable) (12) Land (13) Buildings (14) Other Improvements (15) Overhead TOTAL	270.0			270.0				
(16) Source of Funds	270.0							
Bonds - <u>G.O.</u> Grants - _____ Operational _____ TOTAL								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: \_\_\_\_\_  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date Jan. 1978  
 (23) Estimated Completion Date Oct. 1978

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

This project consists of replacing an existing open ditch with a closed conduit along the Fish Creek drainage system from 36th Avenue to 40th Avenue paralleling "C" Street. The existing ditch is badly silted as well as creating glaciating problems along its entirety. The closed system will eliminate these maintenance problems.

CAPITAL PROJECT ESTIMATE

(1) Department and Division: **Public Works, Engineering**

(2) Project Title: **Sherwood Acres, Storm System - Phase II**

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19____ (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19____ (7)	19____ (8)	19____ (9)	19____ (10)
(11) Equipment (Moveable) (12) Land (13) Buildings (14) Other Improvements (15) Overhead TOTAL	310.0			310.0				
(16) Source of Funds	310.0							
Bonds - <u>G.O.</u> Grants - _____ Operational _____ TOTAL								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_  
 (20) Architectural and Engineering Fees: \_\_\_\_\_  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date Jan. 1978  
 (23) Estimated Completion Date Oct. 1978

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

This project consists of replacing an existing ditch running in a north - south direction beginning at 76th Avenue running north to the extension of 70th Avenue. The proposed storm drain system will eliminate severe glaciation problems along the existing ditch.

CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works, Engineering

(2) Project Title: Fish Creek Channel Improvement

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19____ (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19____ (7)	19____ (8)	19____ (9)	19____ (10)
(11) Equipment (Moveable) (12) Land (13) Buildings (14) Other Improvements (15) Overhead TOTAL	290.0			290.0				
(16) Source of Funds	290.0							
Bonds - <u>G.O.</u>								
Grants - _____								
- Operational _____								
TOTAL								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: \_\_\_\_\_  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date Jan. 1978  
 (23) Estimated Completion Date Oct. 1978

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Clean up channel along existing Fish Creek from Minnesota Drive down stream through Spenard. Project will include upgrading culvert crossings.

CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works, Engineering

(2) Project Title: Cope Street Drainage System

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19____ (5)	Estimated Requirements in Thousands				
				1978 (6)	19____ (7)	19____ (8)	19____ (9)	19____ (10)
(11) Equipment (Moveable) (12) Land (13) Buildings (14) Other Improvements (15) Overhead TOTAL	300.0			300.0				
(16) Source of Funds	300.0							
Bonds - <u>G.O.</u> Grants - _____ Operational _____ TOTAL								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: \_\_\_\_\_  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date Jan. 1978  
 (23) Estimated Completion Date Oct. 1978

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

15" through 21" storm drain to serve area between 36th Avenue and 30th Avenue from Spenard Road to Arctic Boulevard. This project will utilize the Fish Creek storm drain and eliminate existing maintenance problems in the area.

CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works, Engineering

(2) Project Title: Blackberry, 88th - Strawberry Storm System

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19____ (5)	Estimated Requirements in Thousands				
				19____ (6)	1979 (7)	19____ (8)	19____ (9)	19____ (10)
(11) Equipment (Moveable)	550.0				550.0			
(12) Land								
(13) Buildings								
(14) Other Improvements								
(15) Overhead								
TOTAL								
(16) Source of Funds	550.0							
Bonds -- <u>G.O.</u>								
Grants -- _____								
Operational _____								
TOTAL								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: \_\_\_\_\_  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date Jan. 1979  
 (23) Estimated Completion Date Oct. 1979

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

The project consists of constructing 4,800 linear feet of 15" to 54" storm drain from Strawberry Road to West 88th Avenue east of Jewel Lake Road, and will provide drainage for privately developed areas and eliminate existing maintenance problems.



CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works, Engineering

(2) Project Title: Patterson Street Storm System

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19____ (5)	Estimated Requirements in Thousands				
				19____ (6)	19 79____ (7)	19____ (8)	19____ (9)	19____ (10)
(11) Equipment (Moveable)	400.0				400.0			
(12) Land								
(13) Buildings								
(14) Other Improvements								
(15) Overhead								
<b>TOTAL</b>								
(16) Source of Funds	400.0							
Bonds - <u>G.O.</u>								
Grants - _____								
Operational _____								
<b>TOTAL</b>								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: \_\_\_\_\_  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date Jan. 1979  
 (23) Estimated Completion Date Oct. 1979

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Storm drain north from DeBarr along Patterson to provide drainage on Old Harbor Road and an area south of 11th. This system will alleviate drainage problems east of Patterson.

CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works, Engineering

(2) Project Title: Bunnel Street Storm System

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19____ (5)	Estimated Requirements in Thousands				
				19____ (6)	19 79 (7)	19____ (8)	19____ (9)	19____ (10)
(11) Equipment (Moveable) (12) Land (13) Buildings (14) Other Improvements (15) Overhead TOTAL	80.0				80.0			
(16) Source of Funds	80.0							
Bonds - <u>G.O.</u> Grants - _____ Operational _____ TOTAL								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: \_\_\_\_\_  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date Jan. 1979  
 (23) Estimated Completion Date Oct. 1979

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Project drains an area encompassed by Glenn Highway on the north, 4th Avenue on the south, Boniface Parkway on the east, and McCarrey Street on the west. Provide a system to divert the surface drainage in low lying areas eventually into the Pine Street System.

CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works, Engineering

(2) Project Title: Lincoln Park Storm System

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19____ (5)	Estimated Requirements in Thousands				
				19____ (6)	19 79 (7)	19____ (8)	19____ (9)	19____ (10)
(11) Equipment (Moveable)								
(12) Land								
(13) Buildings								
(14) Other Improvements	100.0				100.0			
(15) Overhead								
<b>TOTAL</b>								
(16) Source of Funds								
Bonds — <u>G.O.</u>	100.0							
Grants — _____								
Operational _____								
<b>TOTAL</b>								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: \_\_\_\_\_  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date Jan. 1979  
 (23) Estimated Completion Date Oct. 1979

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

15" storm drain to drain area south of Spenard Road along Lois Drive and Cleveland and McKinley Avenue east of Lois. This system will eliminate existing maintenance problems in this area.

CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works, Engineering

(2) Project Title: Turpin Street Storm System

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19____ (5)	Estimated Requirements in Thousands				
				19____ (6)	19____ (7)	19 <u>80</u> (8)	19____ (9)	19____ (10)
(11) Equipment (Moveable) (12) Land (13) Buildings (14) Other Improvements (15) Overhead TOTAL	200.0					200.0		
(16) Source of Funds	200.0							
Bonds - <u>G.O.</u> Grants - _____ • Operational _____ TOTAL								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
(18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
(19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: \_\_\_\_\_  
(21) Percent of Building Cost 12 %  
(22) Estimated Start Date Jan. 1980  
(23) Estimated Completion Date Oct. 1980

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Construct 24" and 18" storm drain north from DeBarr along Turpin to serve area between 8th and DeBarr, along Turpin. This will solve present maintenance problems and is scheduled to coincide with upgrading Turpin Road.

CAPITAL PROJECT ESTIMATE

(1) Department and Division: **Public Works, Engineering**

(2) Project Title: **Nevilla Park Storm System**

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19____ (5)	Estimated Requirements in Thousands				
				19____ (6)	19____ (7)	19 <u>80</u> (8)	19____ (9)	19____ (10)
(11) Equipment (Moveable) (12) Land (13) Buildings (14) Other Improvements (15) Overhead <b>TOTAL</b>	290.0					290.0		
(16) Source of Funds	290.0							
Bonds - <u>G.O.</u>								
Grants - _____								
Operational _____								
<b>TOTAL</b>								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: \_\_\_\_\_  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date Jan. 1980  
 (23) Estimated Completion Date Oct. 1980

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Construct 15" through 24" storm drain from Muldoon Road at E. 6th Avenue northwesterly to Peck Avenue. This storm drain will serve area between 6th Avenue and Peck Avenue from Muldoon Road to Military Boundary. This system will tie into the Muldoon storm drain to be installed by the State when they upgrade Muldoon Road. This will alleviate severe maintenance problems.

CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works, Engineering

(2) Project Title: Roosevelt Park Storm System

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19____ (5)	Estimated Requirements in Thousands				
				19____ (6)	19____ (7)	19 80 (8)	19____ (9)	19____ (10)
(11) Equipment (Moveable) (12) Land (13) Buildings (14) Other Improvements (15) Overhead TOTAL	210.0					210.0		
(16) Source of Funds	210.0							
Bonds - <u>G.O.</u> Grants - _____ Operational _____ TOTAL								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: \_\_\_\_\_  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date Jan. 1980  
 (23) Estimated Completion Date Oct. 1980

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

15" through 18" storm drain to drain area between Northwood and railroad tracks from Spenard Road to Fish Creek. This system will eliminate maintenance problems and flooded basements.

CAPITAL PROJECT ESTIMATE

(1) Department and Division: **Public Works, Engineering**

(2) Project Title: **Northwood Storm System Extension**

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19____ (5)	Estimated Requirements in Thousands				
				19____ (6)	19____ (7)	19 <u>80</u> (8)	19____ (9)	19____ (10)
(11) Equipment (Moveable) (12) Land (13) Buildings (14) Other Improvements (15) Overhead <b>TOTAL</b>	<b>265.0</b>					<b>265.0</b>		
(16) Source of Funds	<b>265.0</b>							
Bonds - <u>G.O.</u>								
Grants - _____								
Operational _____								
<b>TOTAL</b>								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: \_\_\_\_\_  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date Jan. 1980  
 (23) Estimated Completion Date Oct. 1980

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

21" and 24" storm drain to place drainage underground that presently flows in ditch from Windemere Subdivision west to Northwood and 48th Avenue. This system will provide for future development.

CAPITAL PROJECT ESTIMATE

(1) Department and Division: **Public Works, Engineering**

(2) Project Title: **Arlene Street Storm System**

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19_____ (5)	Estimated Requirements in Thousands				
				19_____ (6)	19_____ (7)	19_____ (8)	19 <u>81</u> (9)	19_____ (10)
(11) Equipment (Moveable) (12) Land (13) Buildings (14) Other Improvements (15) Overhead TOTAL	180.0						180.0	
(16) Source of Funds	180.0							
Bonds - <u>G.O.</u> Grants - _____ • Operational _____ TOTAL								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: \_\_\_\_\_  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date Jan. 1981  
 (23) Estimated Completion Date Oct. 1981

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Drains property west of Arlene Street from 88th Avenue to Diamond Boulevard South. This system replaces an existing ditch along Arlene Street from 88th Avenue to Diamond Boulevard and will connect with a proposed system at 88th Avenue when 88th Avenue is improved.



CAPITAL PROJECT ESTIMATE

(1) Department and Division: **Public Works, Engineering**

(2) Project Title: **Industrial Park, Int. Apt.-36th Ave. Storm System**

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19____ (5)	Estimated Requirements in Thousands				
				19____ (6)	19____ (7)	19____ (8)	1981 (9)	19____ (10)
(11) Equipment (Moveable) (12) Land (13) Buildings (14) Other Improvements (15) Overhead TOTAL	950.0						950.0	
(16) Source of Funds	950.0							
Bonds - <u>G.O.</u>								
Grants - _____								
Operational _____								
TOTAL								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: \_\_\_\_\_  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date Jan. 1981  
 (23) Estimated Completion Date Oct. 1981

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

15" through 36" storm drain to drain area between 36th Avenue on the north and International Airport Road on the south and Arctic Boulevard on the west and "C" Street on the east. This will provide for future development.

CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works, Engineering

(2) Project Title: So. Glenn Hwy., Oklahoma - Boniface Storm System

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19____ (5)	Estimated Requirements in Thousands				
				19____ (6)	19____ (7)	19____ (8)	19____ (9)	19 82 (10)
(11) Equipment (Moveable) (12) Land (13) Buildings (14) Other Improvements (15) Overhead TOTAL	650.0							650.0
(16) Source of Funds	650.0							
Bonds - <u>G.O.</u> Grants - _____ Operational _____ TOTAL								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_  
 (20) Architectural and Engineering Fees: \_\_\_\_\_  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date Jan. 1982  
 (23) Estimated Completion Date Oct. 1982

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Project drains an area bounded on the north by Glenn Highway, on the south by 9th Avenue, on the east by Muldoon Road, and on the west by Boniface. Project will provide drainage for future development.

CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works, Engineering

(2) Project Title: Creekside School, 6th Ave. - Old Harbor Storm System

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19____ (5)	Estimated Requirements in Thousands				
				19____ (6)	19____ (7)	19____ (8)	19____ (9)	19 82 (10)
(11) Equipment (Moveable)	490.0							
(12) Land								
(13) Buildings								
(14) Other Improvements								
(15) Overhead								
<b>TOTAL</b>								490.0
(16) Source of Funds	490.0							
Bonds - <u>6.0</u>								
Grants - _____								
- Operational _____								
<b>TOTAL</b>								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.

(20) Architectural and Engineering Fees: \_\_\_\_\_

(18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_

(21) Percent of Building Cost 12 %

(19) Project Status \_\_\_\_\_

(22) Estimated Start Date Jan. 1982

(23) Estimated Completion Date Oct. 1982

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

12" through 24" storm drain north along Patterson from Old Harbor Road (A-5 Phase II) to 6th Avenue with laterals to serve area between Patterson and Muldoon Road. This system will solve present maintenance problems and serve as drainage for future development.

## CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works, Engineering

(2) Project Title: Miscellaneous Drainage Improvements

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)
(11) Equipment (Moveable)								
(12) Land								
(13) Buildings								
(14) Other Improvements	3,000.0		500.0	500.0	500.0	500.0	500.0	500.0
(15) Overhead								
TOTAL								
(16) Source of Funds								
Bonds — <u>G.O.</u>	3,000.0							
Grants — _____								
Operational _____								
TOTAL								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.

(18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_

(19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: \_\_\_\_\_

(21) Percent of Building Cost 12 %(22) Estimated Start Date Jan. 1977(23) Estimated Completion Date Oct. 1982

(24) Project Description and Justification (Continue on Additional Sheets, Same Size)

This will provide funding for solving miscellaneous drainage problems of a minor nature throughout the municipality. Examples of some typical miscellaneous projects are as follows:

1. Nathan Lane (Spenard Area). Rehabilitate culverts for Little Campbell Creek in the vicinity of Nathan Lane.
2. Folker Street Storm Drain. Extend drainage system along Folker Street from 18" stub out at intersection of Tudor Road and Folker Street to pick up low area that causes severe flooding problems.
3. Wright Street Storm Drain. Extend drainage system along Wright Street from 18" stub out at intersection of Tudor Road and Wright Street to pick up low area that causes severe flooding problems.
4. Storm Drain Extension through Municipal Parkland, Bootlegger Cove area.
5. Cordova Street Storm System. Replace an existing storm system located along Cordova Street between 15th Avenue and 16th Avenue which is in bad condition.
6. Stilling Basin for Gull Road Drainage System. Resolve problem of continued erosion of existing ditch along Milita Reserve property.

A. General Goals as presented in the Comprehensive Plan of the Municipality.

To provide a wide range of cultural and recreational opportunities to all segments of the community.

Objectives -

1. In providing for park and recreation within individual communities, a balance between development and acquisition will be emphasized except where minimum standards of park land acquisition have not been met. Special emphasis will be placed on acquisition.
2. Provide for usable publically owned open space.
3. Attempt to provide for separate use areas for mechanized and non-mechanized recreational equipment.
4. Establish greenbelts along major streams in Municipality and a comprehensive trails system to provide linkages between park areas and school sites.
5. Park and recreation and community facilities shall be combined with school sites in order to best serve the residents of the area and reduce cost.
6. To create a way of life of the highest possible quality based on planning for an optimum population and consistent with recognized ecological principles.

This goal calls for the maintenance of natural beauty and open space and provides for the enjoyment of natural vegetation vistas around us. Quality leisure activity and opportunities for sports of all kinds are a part of the highest quality of life.

7. To provide a comprehensive trail system.

Acquisition policy by the former Borough Assembly in 1971. It was also a policy followed by the City Service Area Park and Recreation Commission.

(a) The establishment and operation of lands, facilities and programs to serve active and passive recreation interests and cultural needs is a governmental responsibility.

(b) All levels of government, municipal, state and federal, must cooperate to serve recreation interests.

(c) The local government unit in cooperation with the school administration is responsible for acquiring lands, developing facilities, and operating programs at neighborhood and community levels. Tot lot, horticultural displays and local passive parks are also provided by this level of government.

(d) All park sites should be selected so that they contribute to a diversified balanced park system.

B. Rationale for and description of critical capital project needs over the next six years.

The increase in the population of Anchorage has a major bearing on the increased need for parks and recreation facilities. With this rapid growth, all public services are expected to be strained to the limit. This growth is evident now in the rapidly rising land prices, busy streets and highways and the disappearance of open space in our community.

Action must be undertaken now to provide open space for year 2000 population that will approach 250,000 people.

Critical needs still remain in land acquisition whether it be with the Linear Park System or with the neighborhood parks.

C. Evaluation of the existing capital plant's capacity to fill identified six years' needs.

If the bond proposals are set up on a two-year basis, it may be easier to obtain a passage of the bond package. This would keep the programs in the neighborhood of 5 million.

Also, more work must be done to have more federal funds available for parks and recreation through Land and Water Fund, Revenue Sharing and Community Block Grant. Also, more state funds are to be available for park development should the State-wide Park Bond Issue pass in the fall. Revenues are also available from the state for trails.

D. Alternate Approaches -

In land acquisition the purchase of land in fee simple has the assurance of permanence. However, other methods that are used in land acquisition include:

Zoning - can be done where new subdivisions are under construction.

Easements - we will be having easements put together on trail sites along some creeks. There is a cost to this method.

Lease Agreements - presently we have government leases on certain parcels of land that were available from the federal and state governments. However, sources of this available land is becoming short.

Whatever land that is purchased will have an impact on operating budgets as most areas need some cleanup.

In development programs, the department is currently working with several organizations that wish to develop park facilities.

With the increased cost of development, this is one method of savings for the Municipality. However, some funds must be available in the CIP to help with some projects that possibly could not be financed by the clubs (such as tennis courts).

Maintenance is always a major problem when a facility is constructed. In some instances clubs have continued to maintain the facilities that they constructed, but in many cases the clubs only want to develop.

**CAPITAL IMPROVEMENTS PROGRAM SUMMARY**

STREET AND DRAINAGE PROJECTS - REIMBURSABLE TO OTHERS

(1) Department Public Works

(2) Division Engineering

PROJECT TITLE(S) (3)	TOTAL PROJECT COST (4)	TO BE FUNDED (IN THOUSANDS) (5)						(6)	(7)	(8)	(9)	(10)	(11)
		G/O BONDS	REVENUE BONDS	FEDERAL	STATE	OTHER *		19 77	19 78	19 79	19 80	19 81	19 82
77-1 Subdivision Storm Drain Oversizing	2,700.0	2,700.0						500.0	500.0	500.0	500.0	500.0	500.0
77-2 Subdivision Arterial and Collector Streets	2,800.0	2,800.0						500.0	500.0	500.0	500.0	400.0	400.0
77-3 State Highway Projects Storm Drain Oversizing	1,200.0	1,200.0						200.0	200.0	200.0	200.0	200.0	200.0
<b>TOTAL (12)</b>	<b>6,700.0</b>	<b>6,700.0</b>						<b>1,200.0</b>	<b>1,200.0</b>	<b>1,200.0</b>	<b>1,200.0</b>	<b>950.0</b>	<b>950.0</b>
<b>* OTHER SOURCE OF FUNDS (13)</b>			<b>FUNDING (14)</b>										
			General Obligation Bonds					1,200.0	1,200.0	1,200.0	1,200.0	950.0	950.0
			Revenue Bonds										
			Federal										
			State										
			Other										
<b>ESTIMATES IN THOUSANDS</b>			<b>TOTAL</b>					<b>1,200.0</b>	<b>1,200.0</b>	<b>1,200.0</b>	<b>1,200.0</b>	<b>950.0</b>	<b>950.0</b>



## CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works - Engineering(2) Project Title: Subdivision Storm Drain Oversizing

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)
(11) Equipment (Moveable)								
(12) Land								
(13) Buildings								
(14) Other Improvements								
(15) Overhead								
<b>TOTAL</b>	<b>2,700.0</b>		<b>500.0</b>	<b>500.0</b>	<b>500.0</b>	<b>500.0</b>	<b>350.0</b>	<b>350.0</b>
(16) Source of Funds								
Bonds - <u>General Obligation</u>	<b>2,700.0</b>		<b>500.0</b>	<b>500.0</b>	<b>500.0</b>	<b>500.0</b>	<b>350.0</b>	<b>350.0</b>
Grants - _____								
Operational _____								
<b>TOTAL</b>								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.

(18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_

(19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: 324.0(21) Percent of Building Cost 12 %(22) Estimated Start Date 1-1-77(23) Estimated Completion Date 10-1-82

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

The Land Subdivision Regulations require a developer to install at his cost a storm drainage system to adequately serve the subdivision. It is often desirable to have installed a larger capacity system at that time to serve lands outside the particular development. The above funds would be used to reimburse the Developer for the oversizing costs incurred.

## CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works - Engineering

(2) Project Title: Subdivision Arterial and Collector Streets

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)
(11) Equipment (Moveable)								
(12) Land								
(13) Buildings								
(14) Other Improvements								
(15) Overhead								
TOTAL	2,800.0		500.0	500.0	500.0	500.0	400.0	400.0
(16) Source of Funds								
Bonds - <u>General Obligation</u>	2,800.0		500.0	500.0	500.0	500.0	400.0	400.0
Grants - _____								
Operational _____								
TOTAL								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.

(18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_

(19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: \_\_\_\_\_

(21) Percent of Building Cost 12 %(22) Estimated Start Date 1-1-77(23) Estimated Completion Date 10-1-82

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

The Land Subdivision Regulations require a developer to provide subdivision street improvements at his cost. Where such streets are designated as collector or arterial by the Official Street and Highway Plan, the Municipality may require construction of the street to the higher classification. The above funds provide reimbursement to the developer for collector or arterial street construction only within the roads and drainage service area. The Land Subdivision Regulations stipulate the reimbursement shall be as follows:

	<u>Developer Cost</u>	<u>Municipal Cost</u>
Collector Class	33 1/3%	66 2/3%
Arterial Class	-0- %	100 %
Local Street	100 %	-0- %

CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works - Engineering

(2) Project Title: State Highway Projects Storm Drain Oversizing

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)
(11) Equipment (Moveable)								
(12) Land								
(13) Buildings								
(14) Other Improvements								
(15) Overhead								
<b>TOTAL</b>	1,200.0		200.0	200.0	200.0	200.0	200.0	200.0
(16) Source of Funds								
Bonds - <u>General Obligation</u>	1,200.0		200.0	200.0	200.0	200.0	200.0	200.0
Grants - _____								
Operational _____								
_____								
<b>TOTAL</b>								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: 144.0  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date 1-1-77  
 (23) Estimated Completion Date 10-1-82

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

The above funds will provide reimbursement to the State for storm drainage oversizing included in their major highway construction projects.

**CAPITAL IMPROVEMENTS PROGRAM SUMMARY**  
SPECIAL PROJECTS

(1) Department Public Works

(2) Division Engineering

(3) PROJECT TITLE(S)	TOTAL PROJECT COST (4)	TO BE FUNDED (IN THOUSANDS) (5)						(6)	(7)	(8)	(9)	(10)	(11)
		G/O BONDS	REVENUE BONDS	FEDERAL	STATE	OTHER *		19_77	19_78	19_79	19_80	19_81	19_82
77-1 <i>247</i> Intersection Improvements (Prior yr.-670)	3,320.0	2,820.0			500.0(a)			280.0	560.0	610.0	400.0	400.0	400.0
77-2 <i>35</i> Campbell Creek Bridge at Arctic Boulevard	460.0	460.0						60.0	400.0				
77-3 <i>35</i> Vertical Control	360.0	360.0						60.0	60.0	60.0	60.0	60.0	60.0
77-4 <i>44</i> Monumentation	360.0	360.0						60.0	60.0	60.0	60.0	60.0	60.0
77-5 <i>35</i> Eagle River-Chugiak LSR&T Improvements	65.0				65.0(b)			65.0					
77-6 Service Area 30, <i>55</i> Outside Road Service Areas, LSR&T Improvements	110.0				110.0(b)			110.0					
<b>TOTAL (12)</b>	<b>4,675.0</b>	<b>4,000.0</b>			<b>675.0</b>			<b>635.0</b>	<b>1,080.0</b>	<b>730.0</b>	<b>520.0</b>	<b>520.0</b>	<b>520.0</b>
<b>* OTHER SOURCE OF FUNDS (13)</b>		<b>FUNDING (14)</b>											
		General Obligation Bonds					375.0	1,030.0	530.0	520.0	520.0	520.0	
		Revenue Bonds											
		Federal											
		State (a) Joint Project Reimbursement					85.0	50.0	200.0				
		Other (b) Local Service Roads & Trails Grant					175.0						
		<b>TOTAL</b>					<b>635.0</b>		<b>730.0</b>		<b>520.0</b>	<b>520.0</b>	<b>520.0</b>
								<b>1,080.0</b>		<b>520.0</b>		<b>520.0</b>	

## CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works - Engineering

(2) Project Title: Intersection Improvements

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)
(11) Equipment (Moveable)								
(12) Land								
(13) Buildings								
(14) Other Improvements	3,320 .0	670 .0	280 .0	560 .0	610 .0	400 .0	400 .0	400 .0
(15) Overhead								
TOTAL								
(16) Source of Funds								
Bonds - <u>Street and Storm</u>	2,820 .0	505 .0	195 .0	510 .0	410 .0	400 .0	400 .0	400 .0
Grants - _____								
* Operational <u>State of Alaska</u>	500 .0	165 .0	85 .0	50 .0	200 .0			
TOTAL	3,320 .0	670 .0	280 .0	560 .0	610 .0	400 .0	400 .0	400 .0

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.

(20) Architectural and Engineering Fees: 390 .0

(18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_

(21) Percent of Building Cost 12 %

(19) Project Status \_\_\_\_\_

(22) Estimated Start Date 1-1-77(23) Estimated Completion Date Continuous

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

The intersections listed will require revised or new signalization with Pedestrian indications and left turn channelization. Most signal work will be in conjunction with Public Works and the State Highway projects. Continuing school crossing protection will be maintained with signal installations where required. Widening and channelization will also be provided at signalized and non-signalized intersections for safer and more efficient traffic movement on a priority basis. (See attached for intersection listings.)

INTERSECTIONS TO BE SIGNALIZED OR REVISED

INTERSECTIONS REQUIRING  
CHANNELIZATION, WIDENING, IMPROVEMENTS

1977 Projects	Cost Share		Total
	Municipality	State	
Fireweed & Arctic	\$100,000		\$100,000
Fireweed & C	50,000	\$50,000	100,000
Fireweed & Seward	50,000	50,000	100,000
Mt. View & Commercial	100,000		100,000
Providence & University	90,000		90,000
No. Lights & LaTouche	50,000	50,000	100,000
*DeBarr & Pine	50,000	50,000	100,000
*DeBarr & Turpin	50,000	50,000	100,000
School Signals - Various	60,000		60,000
Channelization, Widening- Various	100,000		100,000
	<u>\$700,000</u>	<u>\$250,000</u>	<u>\$950,000</u>
1978 Projects			
No. Lights & Baxter	\$100,000		\$100,000
36th & Arctic	100,000		100,000
*Arctic & International	50,000	50,000	100,000
School Signals, Various	60,000		60,000
Channelization, Widening- Various	200,000		200,000
	<u>\$510,000</u>	<u>\$50,000</u>	<u>\$610,000</u>
1979 Projects			
*No. Lights & Providence	\$50,000	\$50,000	\$100,000
*No. Lights & Wesley	50,000	50,000	100,000
*No. Lights & Boniface	50,000	50,000	100,000
*36th & "A"	50,000	50,000	100,000
School Signals - Various	60,000		60,000
Channelization, Widening- Various	150,000		150,000
	<u>\$410,000</u>	<u>\$200,000</u>	<u>\$610,000</u>
1980 Projects			
Intersection Improvements	\$400,000		\$400,000
	<u>\$400,000</u>		<u>\$400,000</u>
1981 Projects			
Intersection Improvements	\$400,000		\$400,000
	<u>\$400,000</u>		<u>\$400,000</u>
1982 Projects			
Intersection Improvements	\$400,000		\$400,000
	<u>\$400,000</u>		<u>\$400,000</u>

- 36th and Old Seward
- 36th and "C"
- 36th and Spenard
- 16th and "C"
- Old Seward and International
- 36th and Lake Otis
- Northwood and Spenard
- 4th & "F"
- Northwood and International
- 3rd and "F"
- 36th and Minnesota
- 19th and "C"
- Northern Lights and Turnigan
- 15th and Merrill Field
- Northern Lights and Wisconsin
- 15th and Sitka

NOTE: This list does not necessarily represent the order of construction which may be affected by Right-of-Way acquisition, State Highway participation or changes in priority ratings.

\*State 5-Year Construction Plan

**CAPITAL PROJECT ESTIMATE**

(1) Department and Division: Public Works - Engineering

(2) Project Title: Campbell Creek Bridge at Arctic Boulevard

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)
(11) Equipment (Moveable) (12) Land (13) Buildings (14) Other Improvements (15) Overhead <b>TOTAL</b>	460.0		60.0	400.0				
(16) Source of Funds	460.0		60.0	400.0				
Bonds - <u>General Obligation</u>								
Grants - _____								
Operational _____								
<b>TOTAL</b>								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: 60.0  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date 1-1-77  
 (23) Estimated Completion Date 10-1-78

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Construction of bridge to replace deteriorated and inadequate structure. New structure will provide for continuous pedestrian and bicycle access along Campbell Creek in addition to providing a four lane vehicular crossing of the stream.

CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works - Engineering

(2) Project Title: Vertical Control

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19.77 (5)	Estimated Requirements in Thousands					
				19.78 (6)	19.79 (7)	1980 (8)	1981 (9)	19.82 (10)	
(11) Equipment (Moveable)									
(12) Land									
(13) Buildings									
(14) Other Improvements (Benchmarks)	360.0		60.0	60.0	60.0	60.0	60.0	60.0	60.0
(15) Overhead									
TOTAL									
(16) Source of Funds									
Bonds - General Obligation	360.0		60.0	60.0	60.0	60.0	60.0	60.0	60.0
Grants -									
Operational									
TOTAL									

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: 342.0  
 (21) Percent of Building Cost 95 %  
 (22) Estimated Start Date April 1977  
 (23) Estimated Completion Date October 1982

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Expansion and densification of vertical control network throughout the Municipality, establishing first, second and third order benchmarks in presently developed areas, and in those areas where development is likely to occur in the immediate future.

Proposed density is one (1) primary first order benchmark per square mile and sixteen (16) second or third order benchmarks per square mile. Providing this density of benchmarks should all but eliminate the temptation of using an obsolete datum to avoid the high cost of leveling great distances to establish true elevations.



CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works - Engineering

(2) Project Title: Monumentation

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)
(11) Equipment (Moveable) (12) Land (13) Buildings (14) Other Improvements (Monumentation) (15) Overhead TOTAL	360.0		60.0	60.0	60.0	60.0	60.0	60.0
(16) Source of Funds	360.0		60.0	60.0	60.0	60.0	60.0	60.0
Bonds - <u>General Obligation</u>								
Grants - _____								
Operational _____								
TOTAL								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: 342.0  
 (21) Percent of Building Cost 95 %  
 (22) Estimated Start Date April 1977  
 (23) Estimated Completion Date October 1982

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Retracement surveying and monumentation at various locations within the Municipality where there are many known problem areas, such as Eagle River, Spenard, Sand Lake, Muldoon and the Hillside areas where in years past there was very little quality control over subdivision resulting in many conflicts, errors, and omissions. Until such time as complete retracement surveys and monumentation are accomplished, these problems will compound themselves, becoming more and more expensive to resolve. Eventually these areas will require improvements, necessitating surveys. Any monies spent at this time will be re-couped in time savings in the future.

CAPITAL PROJECT ESTIMATE

(1) Department and Division: Public Works - Engineering

(2) Project Title: Eagle River - Chugiak LSR&T Improvements

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19 <u>77</u> (5)	Estimated Requirements in Thousands				
				19 <u>78</u> (6)	19 <u>79</u> (7)	19 <u>80</u> (8)	19 <u>81</u> (9)	19 <u>82</u> (10)
(11) Equipment (Moveable) (12) Land (13) Buildings (14) Other Improvements (15) Overhead TOTAL	65.0		65.0					
(16) Source of Funds	65.0		65.0					
Bonds - Grants - <u>Local Service Roads &amp; Trails</u> - Operational (State)								
TOTAL								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
 (18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
 (19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: 8.0  
 (21) Percent of Building Cost 12 %  
 (22) Estimated Start Date 1-1-77  
 (23) Estimated Completion Date 10-1-77

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Construct trails and upgrade local roads to minimum standards such that the State will maintain. Specific project(s) as yet undetermined.

*Coronado*  
*Inlet Drive (good copy)*

**CAPITAL PROJECT ESTIMATE**

LSR&T Improvements

(1) Department and Division: **Public Works - Engineering**

(2) Project Title: **Service Area 30, Outside Road Service Areas**

Estimated Cost	Estimated Total Cost (3)	Approp. Prior Years (4)	New Appropriation 19____ (5)	Estimated Requirements in Thousands				
				19____ (6)	19____ (7)	19____ (8)	19____ (9)	19____ (10)
(11) Equipment (Moveable) (12) Land (13) Buildings (14) Other Improvements (15) Overhead <b>TOTAL</b>	110.0		110.0					
(16) Source of Funds								
Bonds -- Grants -- <u>Local Service Roads &amp; Trails</u> - Operational <u>Grant (State)</u>	110.0		110.0					
<b>TOTAL</b>								

(17) Gross Floor Area \_\_\_\_\_ Sq. Ft.  
(18) Building Cost Per Sq. Ft. \$ \_\_\_\_\_  
(19) Project Status \_\_\_\_\_

(20) Architectural and Engineering Fees: 13.0  
(21) Percent of Building Cost 12 %  
(22) Estimated Start Date 1-1-77  
(23) Estimated Completion Date 10-1-77

(24) Project Description and Justification (Continue on Additional Sheets. Same Size)

Construct trails and upgrade local roads to minimum standards such that the State will maintain. Specific project(s) as yet undetermined.