

Adopted Budget
City of Portland, Oregon
Fiscal Year 1994-1996
Volume 3
Capital Budget Project Detail

Approved by the Budget Committee

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Commissioner Earl Blumenauer
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CAPITAL BUDGET PROJECT DETAILS

Fiscal Year 1994-95 to 1998-99

INTRODUCTION

In past years the City has included both the discussion and summary of capital projects by capital system and the project detail forms for each project in the same document. For the FY1994-95 Capital Budget, the capital reporting requirements for the City's two largest utilities, the Bureau of Water Works and the Bureau of Environmental Services, were changed. These changes effectively doubled the number of pages required to present the details of each capital project. This change, coupled with the large number of capital projects being considered by these two bureaus, resulted in the need to separate the Capital Budget into two volumes.

This document provides details for each of the projects that comprise the FY1994-95 Capital Budget. Project detail reports are broken into the six capital systems comprising the City's overall capital program. These capital systems include:

- City Support Facilities
- Cultural and Recreation
- Economic Development
- Sewage
- Transportation
- Water

For a discussion of each of the above capital systems and review of the City's overall capital program, please refer to the FY1994-95 Capital Budget.



PROJECT DETAIL SHEETS

CITY SUPPORT FACILITIES CAPITAL SYSTEM

PROJECT DETAIL

Project: ADA REQUIREMENTS

System: City Support
Program: Neighborhood Associations

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction

X

Project Description:

The project will upgrade signage, entrances, alarm systems, rest rooms, and accessibility issues at the ONA neighborhood offices.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
General Fund	\$0	\$22,171	\$0	\$0	\$0	\$0	\$22,171
Total	\$0	\$22,171	\$0	\$0	\$0	\$0	\$22,171

Costs/Schedule:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	4,171	0	0	0	0	4,171
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintena	0	18,000	0	0	0	0	18,000
Total Annual Costs	\$0	\$22,171	\$0	\$0	\$0	\$0	\$22,171

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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Project: New East Precinct

System: City Support
Program: Police

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction

X

Project Description:

The current East Precinct Building on East Burnside at 47th Ave requires repairs and modifications to meet Police needs and seismic upgrades. Preliminary studies indicate it may be more cost effective to construct a new East Precinct facility to better serve community needs in the area. Cost savings and community service could be further improved by a joint siting of Police and Fire services within a single facility. This project plans for locating, and designing the facility in FY 94/95.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
General Fund	\$0	\$223,688	\$0	\$0	\$0	\$0	\$223,688
Total	\$0	\$223,688	\$0	\$0	\$0	\$0	\$223,688

Costs/Schedule:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	223,688	0	0	0	0	223,688
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintena	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$223,688	\$0	\$0	\$0	\$0	\$223,688

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: *NEW OUTER EAST COUNTY PRECINCT*

System: *City Support*
Program: *Police*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X

Project Description:

With the annexation of areas in East County there is an increasing need for a new precinct to adequately serve this area of the city. Again, cost effective community service will be enhanced by the joint siting of Police and Fire facilities to serve this area. This projects plans for locating and designing the facility in FY 94/95.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
General Fund	\$0	\$255,334	\$0	\$0	\$0	\$0	\$255,334
Total	\$0	\$255,334	\$0	\$0	\$0	\$0	\$255,334
Costs/Schedule:							
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	255,334	0	0	0	0	255,334
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintena	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$255,334	\$0	\$0	\$0	\$0	\$255,334
Estimated Additional Operating/Maintenance Costs:							
	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Project: *FRONT AND DAVIS PARKING GARAGE - RENOVATE FOR TRAFFIC DIVISION*

System: *City Support*
Program: *Police*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X

Project Description:

The Tactical Operations Division will be relocating from Front and Davis to the new North Precinct at MLK Blvd and N Killingsworth. The space they vacate will need to be remodeled to accomodate the Traffic Division.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
General Fund	\$0	\$24,088	\$0	\$0	\$0	\$0	\$24,088
Total	\$0	\$24,088	\$0	\$0	\$0	\$0	\$24,088
Costs/Schedule:							
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	7,088	0	0	0	0	7,088
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintena	0	17,000	0	0	0	0	17,000
Total Annual Costs	\$0	\$24,088	\$0	\$0	\$0	\$0	\$24,088
Estimated Additional Operating/Maintenance Costs:							
	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project: *FIFTH PRECINCT – ST JOHN CITY HALL*

System: *City Support*
Program: *Police*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:

This project would maintain a Police presence in the St Johns area after the move of the North Precinct to the new MLK site. St Johns City Hall would require renovation to meet ADA and seismic requirements. Deferred maintenance items would need to be addressed as well. A preliminary study would address needs in FY 94/95.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
General Fund	\$0	\$20,980	\$0	\$0	\$0	\$0	\$20,980
Total	\$0	\$20,980	\$0	\$0	\$0	\$0	\$20,980

Costs/Schedule:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	20,980	0	0	0	0	20,980
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintena	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$20,980	\$0	\$0	\$0	\$0	\$20,980

Estimated Additional Operating/Maintenance Costs:	\$0	\$0	\$0	\$0	\$0	\$0
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Project: *JUSTICE CENTER – ADA REQUIREMENTS*

System: *City Support*
Program: *Police*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:

This project will bring the Justice Center into compliance with the federal Americans with Disabilities Act (ADA) of 1990. Required improvements to alarm systems, signage, and accessibility will be completed.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
General Fund	\$0	\$31,720	\$0	\$0	\$0	\$0	\$31,720
Total	\$0	\$31,720	\$0	\$0	\$0	\$0	\$31,720

Costs/Schedule:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	6,720	0	0	0	0	6,720
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintena	0	25,000	0	0	0	0	25,000
Total Annual Costs	\$0	\$31,720	\$0	\$0	\$0	\$0	\$31,720

Estimated Additional Operating/Maintenance Costs:	\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: *KERBY GARAGE - HEATING SYSTEM*

System: *City Support*
Program: *Fleet Services*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X

Project Description:

The work stations at Kerby Garage are heated with a natural gas fired Co-Ray-Vac system. The system is designed to radiate heat on to the equipment in the work station, which in turn radiates heat to the workers in the area. Because of condensation and some original design errors, the system has many sections with holes in the reflectors and tubing. This increases maintenance costs, reduces the system's effectiveness, and does not satisfactorily heat the work areas. The system has been patched manytimes and now needs to be replaced. This project will complete the required revisions to produce an improved system that is more energy efficient and provides adequate heat for fleet personnel.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Fleet Services Fund	\$0	\$58,000	\$0	\$0	\$0	\$0	\$58,000
Total	\$0	\$58,000	\$0	\$0	\$0	\$0	\$58,000

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	11,720	0	0	0	0	11,720
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintena	0	46,280	0	0	0	0	46,280
Total Annual Costs	\$0	\$58,000	\$0	\$0	\$0	\$0	\$58,000

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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Project: *THIRD AND ALDER - HVAC UPGRADE NORTH SIDE & CENTER CORE*

System: *City Support*
Program: *Parking Garages*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X

Project Description:

This project would complete the HVAC upgrades for all tenant spaces. The south portion of the system was upgraded in FY 92-93 in conjunction with the Norm Thompson remodel. Most of the design work has been completed and the construction would be phased over FY 94-95 and FY 95-96. The project includes installation of heat pumps; modification of ductwork and piping; conversion to a gas fired boiler heating system; and computer controls. Completion of this project will reduce heating and cooling costs, improve air flow, increase energy efficiency, and reduce maintenance costs.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Parking Facilities Fund	\$0	124,440	157,440	\$0	\$0	\$0	\$281,880
Total	\$0	\$124,440	\$157,440	\$0	\$0	\$0	\$281,880

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	24,440	27,440	0	0	0	51,880
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintena	0	100,000	130,000	0	0	0	230,000
Total Annual Costs	\$0	\$124,440	\$157,440	\$0	\$0	\$0	\$281,880

Estimated Additional Operating/Maintenance Costs:

(\$8,600)	(\$8,600)	(\$8,600)	(\$8,600)	(\$8,600)	(\$43,000)
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PROJECT DETAIL

Project: *ELEVATOR CONTROL REPLACEMENT*

System: *City Support*
Program: *Parking Garages*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X

Project Description:

To provide dependable elevator service in the three older garages it is essential we replace the switch gears to closed circuit computerized controls. This will provide smoother ride, reduced down time, improved safety, and increased customer satisfaction. Third and Alder is our top priority with a high level of down time, customer complaints, and significant maintenance costs. The elevator control at First and Jefferson will need to be replaced by FY 96-97, and at Tenth and Jefferson by FY 97-98.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Parking Facilities Fund	\$0	425,650	183,650	\$0	\$363,650	\$0	\$972,950
						\$0	
						\$0	
Total	\$0	\$425,650	\$183,650	\$0	\$363,650	\$0	\$972,950

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	75,650	33,650	0	63,650	0	172,950
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintena	0	350,000	150,000	0	300,000	0	800,000
Total Annual Costs	\$0	\$425,650	\$183,650	\$0	\$363,650	\$0	\$972,950

Estimated Additional Operating/Maintenance Costs:

(\$10,000)	(\$15,000)	(\$15,000)	(\$20,000)	(\$20,000)	(\$8,000)
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Project: *AUTOMATED VALIDATION EQUIPMENT*

System: *City Support*
Program: *Parking Garages*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X

Project Description:

This project would purchase and install automated parking ticket validation equipment for the parking garage system.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Parking Facilities Fund	\$0	\$71,340	\$0	\$0	\$0	\$0	\$71,340
Total	\$0	\$71,340	\$0	\$0	\$0	\$0	\$71,340

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	16,340	0	0	0	0	16,340
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintena	0	55,000	0	0	0	0	55,000
Total Annual Costs	\$0	\$71,340	\$0	\$0	\$0	\$0	\$71,340

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: UPGRADE REVENUE CONTROL EQUIPMENT

System: City Support
Program: Parking Garages

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction

x

Project Description:

The design life of the revenue control equipment installed in FY 90-91 is seven years. It will be time to begin replacement of this equipment in FY 94-95.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Autoport Fund	\$0	\$38,880	\$0	\$41,058	\$0	\$0	\$79,938
Parking Facilities Fund		155,520		164,224			\$319,744
Total	\$0	\$194,400	\$0	\$205,280	\$0	\$0	\$399,680

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	24,400	0	60,280	0	0	84,680
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintena	0	170,000	0	145,000	0	0	315,000
Total Annual Costs	\$0	\$194,400	\$0	\$205,280	\$0	\$0	\$399,680

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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Project: TRUNKED RADIO SYSTEM

System: City Support
Program: Communication Services

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction

x

Project Description:

This project would continue the purchase of portable and mobile radios for non-General Fund bureaus and tie into the trunked radio system. Police and Fire Bureau purchases should be completed during FY 93-94. FY 94-95 units will be purchased for the Water Bureau, Portland Department of Transportation, Hydropower, and Printing and Distribution services.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Communications Services Fund	\$10,833,158	\$1,021,600	\$0	\$0	\$0	\$0	\$11,854,758
Total	\$10,833,158	\$1,021,600	\$0	\$0	\$0	\$0	\$11,854,758

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintena	10,833,158	1,021,600	0	0	0	0	11,854,758
Total Annual Costs	\$10,833,158	\$1,021,600	\$0	\$0	\$0	\$0	\$11,854,758

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: VIDEO CONFERENCE CENTER

System: City Support
Program: Communication Services

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction

X

Project Description:

Productive meetings are increasingly being conducted on-line to improve efficiency, flexibility and response time. Video conferencing is rapidly becoming the norm for conducting business between different locations and facilities. Face-to-face interaction between remote sites enhances communication and speeds problem identification and resolution. Use of video conferencing also provides fast personal access to a network of local resources. The City must have access to the available technology to take full advantage of these opportunities. This project will design and locate three video conference centers for City use.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Communications Services Fund	\$0	\$40,000	\$130,000	\$0	\$0	\$0	\$170,000
Total	\$0	\$40,000	\$130,000	\$0	\$0	\$0	\$170,000

Costs/Schedule:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	0	10,000	0	0	0	10,000
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintena	0	40,000	120,000	0	0	0	160,000
Total Annual Costs	\$0	\$40,000	\$130,000	\$0	\$0	\$0	\$170,000

Estimated Additional Operating/Maintenance Costs:	\$0	\$0	\$0	\$0	\$0	\$0
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Project: CARPET REPLACEMENT

System: City Support
Program: Portland Building

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction

X

Project Description:

This project is part of the long term maintenance program for the Portland Building. Each year a percentage of the carpets are replaced. Normal wear of carpet in a commercial building is seven years. We plan on a 10 year replacement cycle by utilizing longer wear carpet tiles.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Facilities Services Fun	\$213,964	\$102,280	\$111,800	\$111,800	\$111,800	\$111,800	\$763,444
Total	\$213,964	\$102,280	\$111,800	\$111,800	\$111,800	\$111,800	\$763,444

Costs/Schedule:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	13,300	14,300	14,300	14,300	14,300	70,500
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintena	213,964	88,980	97,500	97,500	97,500	97,500	692,944
Total Annual Costs	\$213,964	\$102,280	\$111,800	\$111,800	\$111,800	\$111,800	\$763,444

Estimated Additional Operating/Maintenance Costs:	\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: MAINTAIN EXTERIOR CERAMIC TILES

System: City Support
Program: Portland Building

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction

X

Project Description:

This project is part of the maintenance program for the exterior of the building. The ceramic tiles on the East and West side of the building at the upper floor levels need to be inspected, cleaned, repaired and sealed. The lower level ceramic tiles were done in FY 91/92.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Facilities Services Fun	\$0	\$151,520	\$0	\$0	\$0	\$0	\$151,520
Total	\$0	\$151,520	\$0	\$0	\$0	\$0	\$151,520

Costs/Schedule:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	31,520	0	0	0	0	31,520
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintena	0	120,000	0	0	0	0	120,000
Total Annual Costs	\$0	\$151,520	\$0	\$0	\$0	\$0	\$151,520

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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Project: CLEAN AND BALANCE AIR SYSTEM

System: City Support
Program: Portland Building

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction

X

Project Description:

This is part of the long term maintenance program for the internal air quality of the building. This project will clean all supply and return components of the HVAC system and balance the entire building.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Facilities Services Fun	\$0	\$114,840	\$0	\$0	\$0	\$0	\$114,840
Total	\$0	\$114,840	\$0	\$0	\$0	\$0	\$114,840

Costs/Schedule:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	14,840	0	0	0	0	14,840
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintena	0	100,000	0	0	0	0	100,000
Total Annual Costs	\$0	\$114,840	\$0	\$0	\$0	\$0	\$114,840

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: *REPLACE LOGGIA ROOFS*

System: *City Support*
Program: *Portland Building*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:

This project will phase in the replacement of the loggia roof on the 2nd, 3rd, and 14th floors over four years. The roofs are currently leaking and the existing temporary fixes need to be replaced with a more permanent solution to avoid increasing damage and costs.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Facilities Services Fun	\$0	\$123,240	\$123,240	\$123,240	\$123,240	\$0	\$492,960
Total	\$0	\$123,240	\$123,240	\$123,240	\$123,240	\$0	\$492,960

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	28,240	28,240	28,240	28,240	0	112,960
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintena	0	95,000	95,000	95,000	95,000	0	380,000
Total Annual Costs	\$0	\$123,240	\$123,240	\$123,240	\$123,240	\$0	\$492,960

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: *COMMUNICATIONS-OSHA COMPLIANCE*

System: *Police*
Program: *Neighborhood Policing Services*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X

Project Description:

This package provides for a two year acquisition of 202 additional radios in order to comply with an agreement between the City of Portland and OSHA. The agreement requires the Police Bureau to maintain an inventory of two portable radios for each sworn employee. In the event of an emergency, this would ensure that all on-duty sworn personnel would have access to a portable radio.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
General Fund	\$0	\$260,000	\$260,000	\$0	\$0	\$0	\$520,000
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$0	\$260,000	\$260,000	\$0	\$0	\$0	\$520,000

Costs/Schedule:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	0	260,000	260,000	0	0	0	520,000
Total Annual Costs	\$0	\$260,000	\$260,000	\$0	\$0	\$0	\$520,000

Estimated Additional Operating/Maintenance Costs:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
	\$0	\$74,187	\$74,187	\$74,187	\$74,187	\$74,187	\$370,935

Project: *HANDGUNS*

System: *Police*
Program: *Support Services*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X

Project Description:

This project provides for the purchase of handguns for police officers per the agreement between the Portland Police Association and the City of Portland. It provides funding for four years.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
General Fund	\$0	\$50,000	\$50,000	\$50,000	\$50,000	\$0	\$200,000
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$0	\$50,000	\$50,000	\$50,000	\$50,000	\$0	\$200,000

Costs/Schedule:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	0	50,000	50,000	50,000	50,000	0	200,000
Total Annual Costs	\$0	\$50,000	\$50,000	\$50,000	\$50,000	\$0	\$200,000

Estimated Additional Operating/Maintenance Costs:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project: *SPECIALIZED FLEET REQUIREMENTS*

System: *Police*
Program: *Support Services*

Objectives:

Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X

Project Description:

This project will enhance the Bureau's fleet inventory to help maintain and improve services requiring this specialized equipment. The first year equipment consists of two suburbans for SERT, six investigative staff cars, one explosive disposal trailer, one IID staff car, 3 gang investigations cars, one citizens academy van.

Funding Sources:

	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Master Lease	\$0	\$311,000	\$34,000	\$0	\$0	\$0	\$345,000
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$0	\$311,000	\$34,000	\$0	\$0	\$0	\$345,000

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	0	311,000	34,000	0	0	0	345,000
Total Annual Costs	\$0	\$311,000	\$34,000	\$0	\$0	\$0	\$345,000

Estimated Additional Operating/Maintenance Costs:

\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$100,000
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Project: *BUREAU WIDE COMPUTER NETWORK*

System: *Police*
Program: *Support Services*

Objectives:

Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X
X
X

Project Description:

This project will improve coordination of efforts, promote information sharing, and share computer resources. The network will provide electronic mail, automated scheduling of meetings, automated distribution of memos, and improved sharing of information. The requested items consist of three file servers, thirty PC workstations and Mapinfo access at the precincts.

Funding Sources:

	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Master Lease	\$0	\$70,000	\$112,200	\$0	\$0	\$0	\$182,200
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$0	\$70,000	\$112,200	\$0	\$0	\$0	\$182,200

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	0	70,000	112,200	0	0	0	182,200
Total Annual Costs	\$0	\$70,000	\$112,200	\$0	\$0	\$0	\$182,200

Estimated Additional Operating/Maintenance Costs:

\$9,000	\$9,000	\$9,000	\$9,000	\$9,000	\$45,000
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PROJECT DETAIL

Project: *COMPUTER SYSTEMS UPGRADE*

System: *City Support*
Program: *Administration*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:

The Bureau of Planning's Capital Budget provides for a major upgrade to the Bureau's outdated computer system. This includes new computers and printers for the Permit Center, Long Range Planning and District Planning sections. In addition, this budget provides for some upgrades to the Bureau's GIS system.

This capital package will improve efficiencies and customer service by: 1) reducing reliance on time consuming manual systems, 2) providing faster and updated computers to provide services and 3) Improving communication ability within the Bureau.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Master Lease	\$200,000	\$141,985	\$39,318	\$0	\$0	\$0	\$381,303
Total	\$200,000	\$141,985	\$39,318	\$0	\$0	\$0	\$381,303

Costs/Schedule:

Planning							0
Design/Project Management							
Site Acquisition							
Construction/Major Equipment	200,000	141,985	39,318				381,303
Total Annual Costs	\$200,000	\$141,985	\$39,318	\$0	\$0	\$0	\$381,303

Estimated Additional Operating/Maintenance Costs:

\$0	\$5,500	\$5,500	\$5,500	\$5,500	\$22,000
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PROJECT DETAIL

Project: *APPARATUS REPLACEMENT*

System: *City Support*
Program: *Emergency Response*

Objectives:

Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X

Project Description:
 Replacement of one truck and one tanker.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
General Fund	On Going	\$805,255	\$885,781	\$974,359	\$1,071,794	\$1,178,973	\$4,916,162
Total		\$0	\$805,255	\$885,781	\$974,359	\$1,071,794	\$1,178,973

Costs/Schedule:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Planning							
Design/Project Management							
Site Acquisition							
Construction/Major Equipment	0	805,255	885,781	974,359	1,071,794	1,178,973	4,916,162
Total Annual Costs	\$0	\$805,255	\$885,781	\$974,359	\$1,071,794	\$1,178,973	\$4,916,162

Estimated Additional Operating/Maintenance Costs:	(\$14,000)	(\$14,000)	(\$14,000)	(\$14,000)	(\$14,000)	(\$70,000)
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Project: *TRAINING CENTER PHASE V*

System: *City Support*
Program: *Emergency Response*

Objectives:

Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X

Project Description:
 Phase V of this project includes the construction of a burn building. The sale of Station 43, which was scheduled for 93-94 is on hold pending neighborhood discussions.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
General Fund	\$1,454,836	\$300,057	\$351,380	\$351,380	\$0	\$0	\$2,457,653
Realty Sales	0	0	0	0	0	0	0
PDC	135,000	0	0	0	0	0	135,000
Total	\$1,589,836	\$300,057	\$351,380	\$351,380	\$0	\$0	\$2,592,653

Costs/Schedule:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	389,965	0	351,380	351,380	0	0	1,092,725
Construction/Major Equipment	1,199,871	300,057	0	0	0	0	1,499,928
Total Annual Costs	\$1,589,836	\$300,057	\$351,380	\$351,380	\$0	\$0	\$2,592,653

Estimated Additional Operating/Maintenance Costs:	\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: *PRIOR YEARS MASTER LEASE*

System: *City Support*
Program: *Emergency Response*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:

Committed funding of prior years apparatus replacement purchases that were funded through the master lease program.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
General Fund	\$8,053,188	\$991,234	\$490,615	\$0	\$0	\$0	\$9,535,037
Total	\$8,053,188	\$991,234	\$490,615	\$0	\$0	\$0	\$9,535,037

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	8,053,188	991,234	490,615	0	0	0	9,535,037
Total Annual Costs	\$8,053,188	\$991,234	\$490,615	\$0	\$0	\$0	\$9,535,037

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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Project: *Fire Boat*

System: *City Support*
Program: *Emergency Response*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:

New fire boat purchase for the Columbia River, Hayden Island frontage and North Portland Harbor coverage.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
General Fund	\$0	\$226,000	\$0	\$0	\$0	\$0	\$226,000
Sale of Fire Boat	60,000	0	0	0	0	0	60,000
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$60,000	\$226,000	\$0	\$0	\$0	\$0	\$286,000

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	0	286,000	0	0	0	0	286,000
Total Annual Costs	\$0	\$286,000	\$0	\$0	\$0	\$0	\$286,000

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: LINNTON OIL GROUNDS CLEAN-UP

System: City Support
Program: Support for Emergency Response

Objectives:

Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction

x

Project Description:

Continuation of clean-up of oil fire training grounds that were severely contaminated by petroleum products. This property is owned by BPA and has been leased since 1951. This phase of the clean-up will involve the first steps in the remediation process. Prior year expenses have been for soil testing and engineering studies to establish the extent of the contamination, provide a remediation plan and to coordinate these efforts with the Department of Environmental Quality.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
General Fund	\$407,822	\$325,000	\$325,000	\$325,000	\$0	\$0	\$1,382,822
Total	\$407,822	\$325,000	\$325,000	\$325,000	\$0	\$0	\$1,382,822

Costs/Schedule:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Planning	\$107,822	\$0	\$0	\$0	\$0	\$0	\$107,822
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	300,000	325,000	325,000	325,000	0	0	1,275,000
Total Annual Costs	\$407,822	\$325,000	\$325,000	\$325,000	\$0	\$0	\$1,382,822

Estimated Additional Operating/Maintenance Costs:	\$0	\$0	\$0	\$0	\$0	\$0
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Project: FIRE SPRINKLER SYSTEMS

System: City Support
Program: Support for Emergency Response

Objectives:

Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction

x

Project Description:

Installation of fire sprinkler systems in all fire stations as recommended in the Public Facility Plan. This project also brings the Bureau buildings into compliance with the National Fire Protection Association recommended standards for facility safety.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
General Fund	\$100,000	\$198,096	\$198,096	\$20,000	\$71,000	\$0	\$587,192
Total	\$100,000	\$198,096	\$198,096	\$20,000	\$71,000	\$0	\$587,192

Costs/Schedule:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	100,000	198,096	198,096	20,000	71,000	0	587,192
Total Annual Costs	\$100,000	\$198,096	\$198,096	\$20,000	\$71,000	\$0	\$587,192

Estimated Additional Operating/Maintenance Costs:	\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: *Emergency Generators*
System: *City Support*
Program: *Support for Emergency Response*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:

Installation of emergency generators at fire station locations identified as emergency shelters for disaster planning.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
General Fund	\$0	\$33,936	\$271,224	\$0	\$0	\$0	\$305,160
Total	\$0	\$33,936	\$271,224	\$0	\$0	\$0	\$305,160

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	\$0	\$33,936	\$271,224	\$0	\$0	\$0	305,160
Total Annual Costs	\$0	\$33,936	\$271,224	\$0	\$0	\$0	\$305,160

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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Project: *Earthquake Preparedness*

System: *City Support*
Program: *Support for Emergency Response*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:

Phase II of earthquake preparedness project for identification of buildings likely to survive a major earthquake and remediation of buildings to assure survivability.

Future year projects beyond 95-96 will depend upon results of the 94-95 study phase.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
General Fund	\$30,000	\$93,000	\$133,000	\$0	\$0	\$0	\$256,000
Total	\$30,000	\$93,000	\$133,000	\$0	\$0	\$0	\$256,000

Costs/Schedule:

Planning	\$30,000	\$93,000	\$0	\$0	\$0	\$0	\$123,000
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	\$0	\$0	\$133,000	\$0	\$0	\$0	133,000
Total Annual Costs	\$30,000	\$93,000	\$133,000	\$0	\$0	\$0	\$256,000

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: *PLUMBING & ASBESTOS REMOVAL*

System: *City Support*
Program: *Support for Emergency Response*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:

Continuation of removal of asbestos at fire stations and other Bureau facilities. Also upgrading of plumbing systems due to age.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
General Fund	\$185,500	\$64,750	\$64,750	\$0	\$0	\$0	\$315,000
Total	\$185,500	\$64,750	\$64,750	\$0	\$0	\$0	\$315,000

Costs/Schedule:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	185,500	64,750	64,750	0	0	0	315,000
Total Annual Costs	\$185,500	\$64,750	\$64,750	\$0	\$0	\$0	\$315,000

Estimated Additional Operating/Maintenance Costs:	(\$1,000)	(\$1,000)	(\$1,000)	(\$1,000)	(\$1,000)	(\$5,000)
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Project: *APPARATUS BAY VENTILATION SYSTEMS*

System: *City Support*
Program: *Support for Emergency Response*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:

Installation of ventilation systems for exhaust fumes on apparatus floors at twenty-five fire stations. These projects are in accordance with recommendations in the Public Facility Plan.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
General Fund	\$186,000	\$90,000	\$27,000	\$20,000	\$0	\$0	\$323,000
Total	\$186,000	\$90,000	\$27,000	\$20,000	\$0	\$0	\$323,000

Costs/Schedule:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	\$186,000	\$90,000	\$27,000	\$20,000	\$0	\$0	323,000
Total Annual Costs	\$186,000	\$90,000	\$27,000	\$20,000	\$0	\$0	\$323,000

Estimated Additional Operating/Maintenance Costs:	\$0	\$0	\$0	\$0	\$0	\$0
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BUDGET NOTES

In addition to these planned projects, the Bureau anticipates studying the location of all fire stations. This will be done in Fiscal Year 94-95 and may result in future CIP projects.

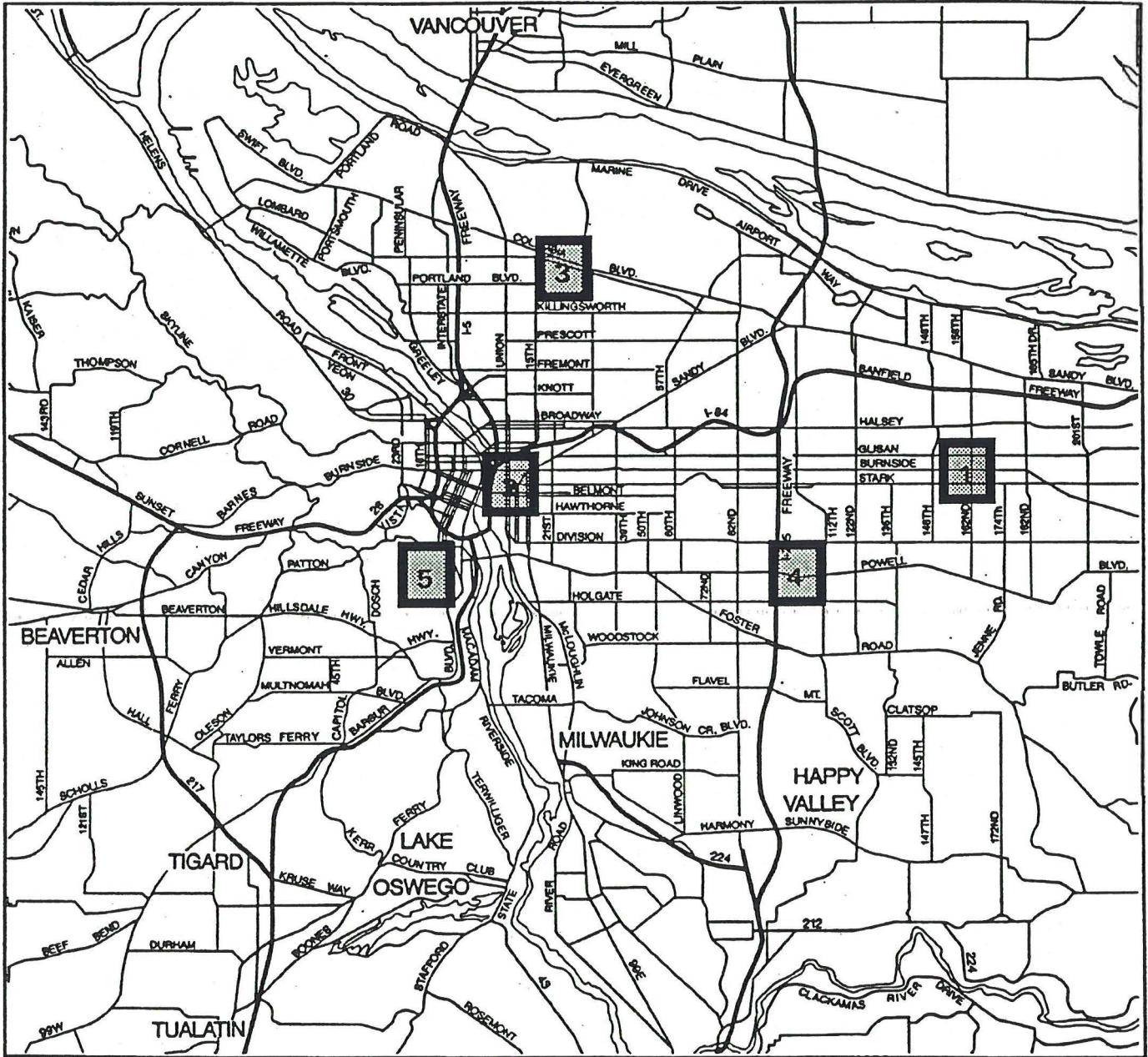


PROJECT DETAIL SHEETS

CULTURAL AND RECREATION CAPITAL SYSTEM

**PROGRAM:
PARKS**

**APPROPRIATION UNIT:
Parks & Recreation**



- 1 URBAN SERVICES; 10 PARKS
- 2 EAST BANK RIVER FRONT PATH
- 3 ALBERTA BASKETBALL STRUCTURE
- 4 ED BENEDICT DEVELOPMENT

5 DUNIWAY TRACK RESURFACING

PROGRAM LOCATION MAP

CB-5

PROJECT DETAIL

Project: *INFRASTRUCTURE IMPROVEMENTS*

System: *Cultural/Recreation*
Program: *Arena*

Objectives:

Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x
x

Project Description:

This project includes relocation of roadways in the area.

Funding Sources:

	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Project BANs	\$7,672,503	\$2,018,662	\$3,816,924	\$0	\$0	\$0	\$13,508,089
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$7,672,503	\$2,018,662	\$3,816,924	\$0	\$0	\$0	\$13,508,089

Costs/Schedule:

Planning	\$910,100	\$239,450	\$452,757	\$0	\$0	\$0	\$1,602,308
Design/Project Management	552,146	145,271	274,682	0	0	0	972,099
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	6,210,257	1,633,940	3,089,485	0	0	0	10,933,682
Total Annual Costs	\$7,672,503	\$2,018,662	\$3,816,924	\$0	\$0	\$0	\$13,508,089

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0	\$0
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Project: *WEST BROADWAY GARAGE*

System: *Cultural/Recreation*
Program: *Arena*

Objectives:

Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:

This project includes new construction of a parking facility

Funding Sources:

	Prior Yrs	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	TOTAL
Project BANs	\$871,410	\$4,741,675	\$0	\$0	\$0	\$0	\$5,613,085
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$871,410	\$4,741,675	\$0	\$0	\$0	\$0	\$5,613,085

Costs/Schedule:

Planning	\$54,257	\$295,231	\$0	\$0	\$0	\$0	\$349,487
Design/Project Management	61,142	332,697	0	0	0	0	393,839
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	756,012	4,113,748	0	0	0	0	4,869,759
Total Annual Costs	\$871,410	\$4,741,675	\$0	\$0	\$0	\$0	\$5,613,086

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: EAST BROADWAY GARAGE

System: Cultural/Recreation
Program: Arena

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction

x

Project Description:
 This project includes new construction of a parking facility

Funding Sources:	Prior Yrs	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	TOTAL
Project BANs	\$625,085	\$973,141	\$3,338,376	\$0	\$0	\$0	\$4,936,602
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$625,085	\$973,141	\$3,338,376	\$0	\$0	\$0	\$4,936,602

Costs/Schedule:	Prior Yrs	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	TOTAL
Planning	\$46,158	\$71,859	\$246,513	\$0	\$0	\$0	\$364,529
Design/Project Management	52,209	81,280	278,832	0	0	0	412,321
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	526,718	820,002	2,813,032	0	0	0	4,159,753
Total Annual Costs	\$625,085	\$973,141	\$3,338,376	\$0	\$0	\$0	\$4,936,602

Estimated Additional Operating/Maintenance Costs:

	\$0	\$0	\$0	\$0	\$0	\$0
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Project: PLAZA

System: Cultural/Recreation
Program: Arena

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction

x

Project Description:
 This project includes constructing a plaza that will connect Arena site facilities.

Funding Sources:	Prior Yrs	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	TOTAL
Project BANs	\$1,188,696	\$1,361,100	\$2,631,896	\$0	\$0	\$0	\$5,181,692
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$1,188,696	\$1,361,100	\$2,631,896	\$0	\$0	\$0	\$5,181,692

Costs/Schedule:	Prior Yrs	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	TOTAL
Planning	\$133,471	\$152,829	\$295,518	\$0	\$0	\$0	\$581,817
Design/Project Management	86,101	98,589	190,637	0	0	0	375,327
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	969,124	1,109,683	2,145,742	0	0	0	4,224,549
Total Annual Costs	\$1,188,696	\$1,361,100	\$2,631,896	\$0	\$0	\$0	\$5,181,693

Estimated Additional Operating/Maintenance Costs:

	\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: *TRI-MET STATION*

System: *Cultural/Recreation*
Program: *Arena*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:
 This project includes reconstruction of the transit center.

Funding Sources:	Prior Yrs	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	TOTAL
Project BANs	\$222,038	\$321,207	\$196,869	\$0	\$0	\$0	\$740,114
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$222,038	\$321,207	\$196,869	\$0	\$0	\$0	\$740,114

Costs/Schedule:	Prior Yrs	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	TOTAL
Planning	\$25,027	\$36,205	\$22,190	\$0	\$0	\$0	\$83,423
Design/Project Management	16,043	23,209	14,225	0	0	0	53,477
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	180,967	261,793	160,454	0	0	0	603,214
Total Annual Costs	\$222,038	\$321,207	\$196,869	\$0	\$0	\$0	\$740,115

Estimated Additional Operating/Maintenance Costs:	\$0	\$0	\$0	\$0	\$0	\$0
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Project: *PRIVATE UTILITIES*

System: *Cultural/Recreation*
Program: *Arena*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:
 This project includes relocation of utilities in the area.

Funding Sources:	Prior Yrs	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	TOTAL
Project BANs	\$498,704	\$34,190	\$20,955	\$0	\$0	\$0	\$553,849
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$498,704	\$34,190	\$20,955	\$0	\$0	\$0	\$553,849

Costs/Schedule:	Prior Yrs	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	TOTAL
Planning	\$55,899	\$3,832	\$2,349	\$0	\$0	\$0	\$62,080
Design/Project Management	36,170	2,480	1,520	0	0	0	40,170
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	406,636	27,878	17,086	0	0	0	451,600
Total Annual Costs	\$498,704	\$34,190	\$20,955	\$0	\$0	\$0	\$553,850

Estimated Additional Operating/Maintenance Costs:	\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: **MEMORIAL COLISEUM**

System: *Cultural/Recreation*
 Program: *Arena*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:

This project includes improvements to the Memorial Coliseum (Drake/Turner directed work).

Funding Sources:	Prior Yrs	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	TOTAL
Project BANs	\$321,852	\$645,961	\$1,605,587	\$0	\$0	\$0	\$2,573,400
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$321,852	\$645,961	\$1,605,587	\$0	\$0	\$0	\$2,573,400

Costs/Schedule:	Prior Yrs	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	TOTAL
Planning	\$23,868	\$47,903	\$119,066	\$0	\$0	\$0	\$190,836
Design/Project Management	41,226	82,741	205,659	0	0	0	329,626
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	256,758	515,317	1,280,862	0	0	0	2,052,937
Total Annual Costs	\$321,852	\$645,961	\$1,605,587	\$0	\$0	\$0	\$2,573,399

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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Project: **OTHER**

System: *Cultural/Recreation*
 Program: *Arena*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:

This project includes improvements to the Memorial Coliseum (City directed work).

Funding Sources:	Prior Yrs	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	TOTAL
Project BANs	\$433,805	\$959,364	\$0	\$0	\$0	\$0	\$1,393,169
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$433,805	\$959,364	\$0	\$0	\$0	\$0	\$1,393,169

Costs/Schedule:	Prior Yrs	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	TOTAL
Planning	\$32,170	\$71,144	\$0	\$0	\$0	\$0	\$103,314
Design/Project Management	55,566	122,885	0	0	0	0	178,451
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	346,069	765,335	0	0	0	0	1,111,404
Total Annual Costs	\$433,805	\$959,364	\$0	\$0	\$0	\$0	\$1,393,169

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: *AMERICANS WITH DISABILITIES INDOOR & OUTDOOR FACILITIES*

Objectives:

System: *Cultural/Recreation*
Program: *Americans with Disabilities Act*

Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X
X

Project Description:

This project will improve accessibility to recreation facilities as mandated by the Americans with Disabilities Act.

Funding Sources:

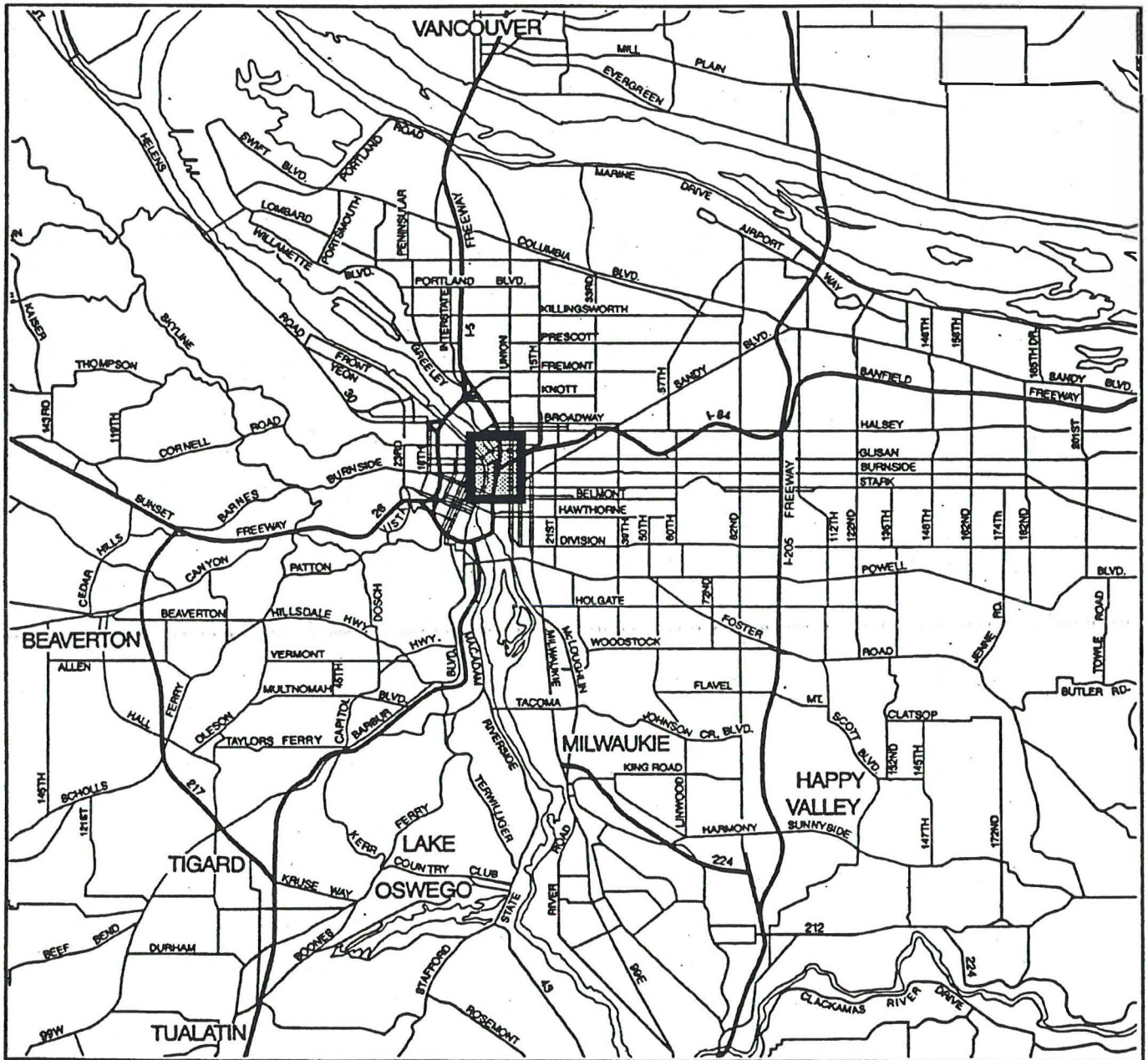
	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
General Fund	\$2,884,650	\$222,195	\$0	\$803,655	\$0	\$0	\$3,910,500
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$2,884,650	\$222,195	\$0	\$803,655	\$0	\$0	\$3,910,500

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	68,000	0	0	0	0	68,000
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	0	154,195	0	803,655	0	0	957,850
Total Annual Costs	\$0	\$222,195	\$0	\$803,655	\$0	\$0	\$1,025,850

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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1 CITY-WIDE COMPLIANCE PROJECTS

PROGRAM LOCATION MAP
CB-5

PROJECT DETAIL

Project: *DISHMAN COMMUNITY CENTER SAFETY IMPROVEMENTS*

Objectives:

System: *Cultural/Recreation*
Program: *Facilities*

Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X

Project Description:

Construct safety improvements at Dishman Community Center.

Funding Sources:

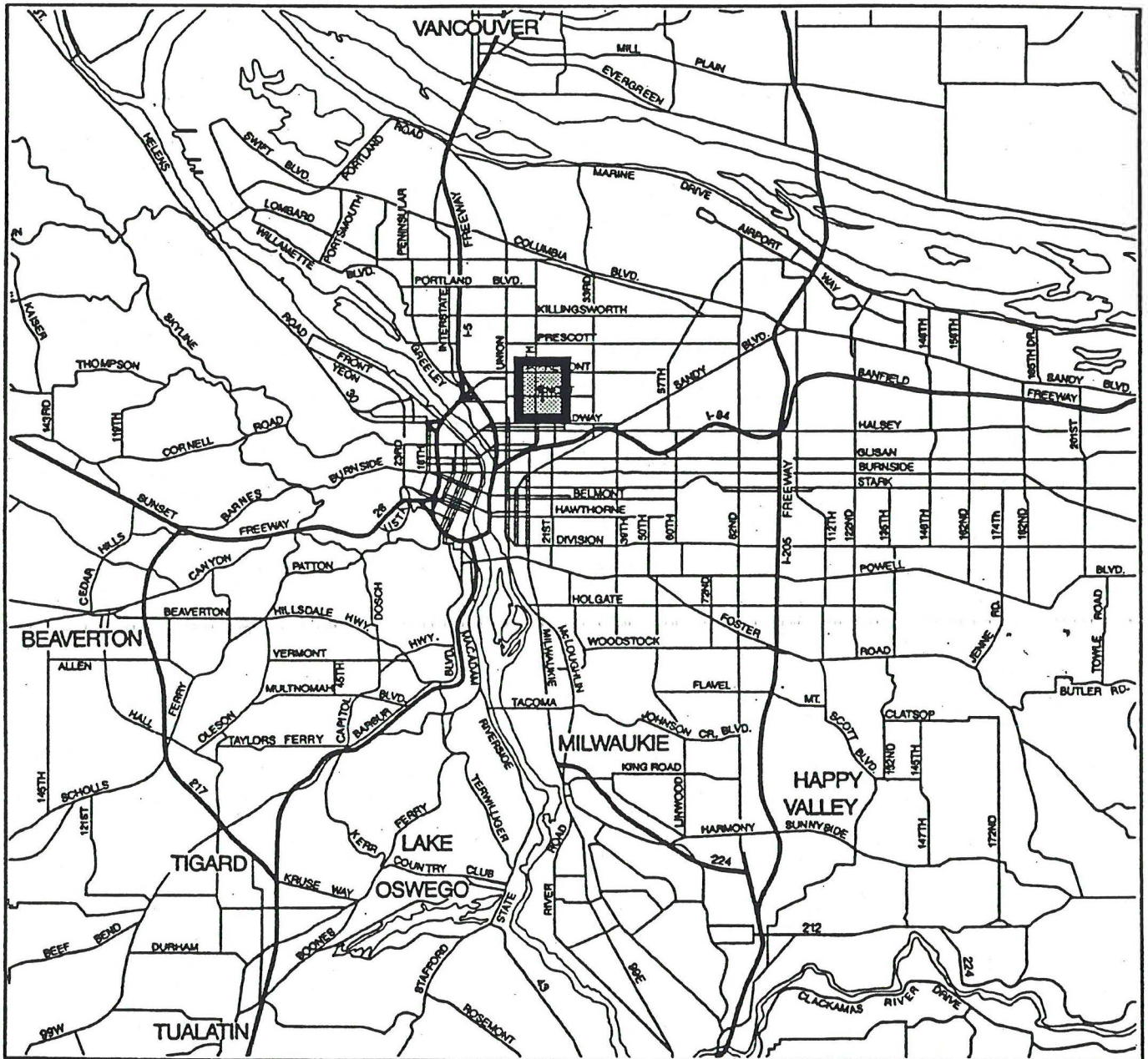
	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
General Fund	\$0	\$199,200	\$0	\$0	\$0	\$0	\$199,200
Levy	2,500,000	0	0	0	0	0	2,500,000
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$2,500,000	\$199,200	\$0	\$0	\$0	\$0	\$2,699,200

Costs/Schedule:

Planning	\$0	\$10,000	\$0	\$0	\$0	\$0	\$10,000
Design/Project Management	0	20,000	0	0	0	0	20,000
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	0	169,200	0	0	0	0	169,200
Total Annual Costs	\$0	\$199,200	\$0	\$0	\$0	\$0	\$199,200

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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1 DISHMAN COMMUNITY CENTER SAFETY IMPROVEMENTS

PROGRAM LOCATION MAP

CB-5

PROJECT DETAIL

Project: *CART PATHS AT HERON LAKES*

System: *Cultural/Recreation*
Program: *Golf*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X

Project Description:
 Construct golf cart paths.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Golf	\$250,000	\$150,000	\$0	\$0	\$0	\$0	\$400,000
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$250,000	\$150,000	\$0	\$0	\$0	\$0	\$400,000

Costs/Schedule:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	250,000	150,000	0	0	0	0	400,000
Total Annual Costs	\$250,000	\$150,000	\$0	\$0	\$0	\$0	\$400,000

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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Project: *EASTMORELAND MAINTENANCE FACILITY*

System: *Cultural/Recreation*
Program: *Golf*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X
X
X

Project Description:
 Construct new maintenance facility for course.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Golf	\$157,511	\$300,000	\$0	\$0	\$0	\$0	\$457,511
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$157,511	\$300,000	\$0	\$0	\$0	\$0	\$457,511

Costs/Schedule:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	35,000	0	0	0	0	35,000
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	0	265,000	0	0	0	0	265,000
Total Annual Costs	\$0	\$300,000	\$0	\$0	\$0	\$0	\$300,000

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: *PROGRESS DOWNS COURSE REMODEL*

System: *Cultural/Recreation*
Program: *Golf*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X

Project Description:
 Remodel course to include a short course for beginners.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Golf	\$0	\$200,000	\$750,000	\$0	\$0	\$0	\$950,000
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$0	\$200,000	\$750,000	\$0	\$0	\$0	\$950,000

Costs/Schedule:							
Planning	\$0	\$40,000	\$0	\$0	\$0	\$0	\$40,000
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	0	160,000	750,000	0	0	0	910,000
Total Annual Costs	\$0	\$200,000	\$750,000	\$0	\$0	\$0	\$950,000

Estimated Additional Operating/Maintenance Costs:

\$550,000	\$550,000	\$550,000	\$550,000	\$550,000	\$550,000	\$2,750,000
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Project: *ROSE CITY WALKING TRAILS*

System: *Cultural/Recreation*
Program: *Golf*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X

Project Description:
 Construct walking paths around golf course.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Golf	\$0	\$20,000	\$20,000	\$10,000	\$0	\$0	\$50,000
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$0	\$20,000	\$20,000	\$10,000	\$0	\$0	\$50,000

Costs/Schedule:							
Planning	\$0	\$7,000	\$0	\$0	\$0	\$0	\$7,000
Design/Project Management	0	0	4,000	4,000	0	0	8,000
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	0	13,000	16,000	6,000	0	0	35,000
Total Annual Costs	\$0	\$20,000	\$20,000	\$10,000	\$0	\$0	\$50,000

Estimated Additional Operating/Maintenance Costs:

\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$30,000
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PROJECT DETAIL

Project: WEST DELTA DIKE IMPROVEMENTS

Objectives:

System: Cultural/Recreation
Program: Golf

Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction

X

Project Description:
 Improve west delta dike.

Funding Sources:

	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Golf	\$0	\$180,000	\$85,000	\$0	\$0	\$0	\$265,000
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$0	\$180,000	\$85,000	\$0	\$0	\$0	\$265,000

Costs/Schedule:

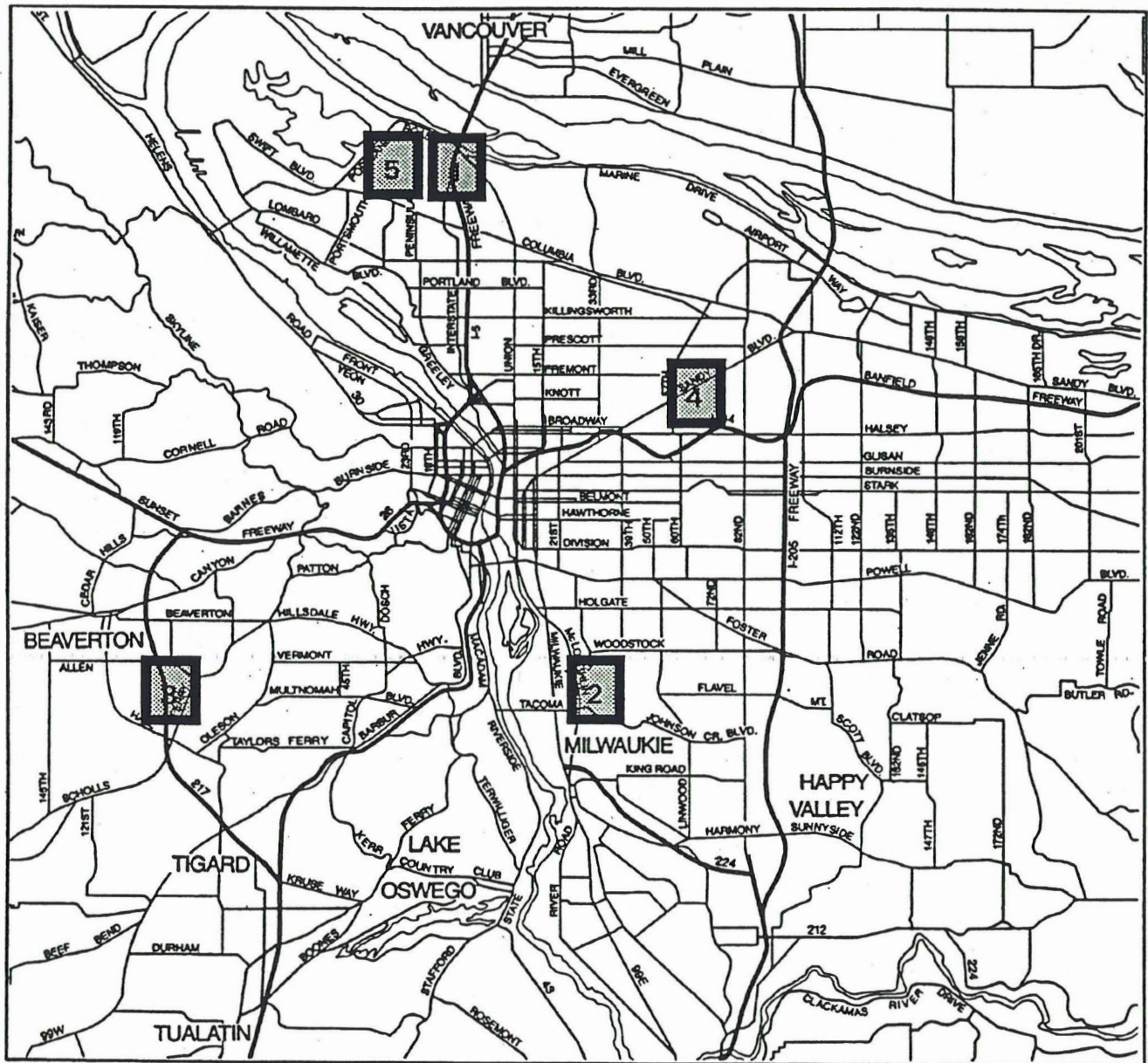
Planning	\$0	\$40,000	\$10,000	\$0	\$0	\$0	\$50,000
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	0	140,000	75,000	0	0	0	215,000
Total Annual Costs	\$0	\$180,000	\$85,000	\$0	\$0	\$0	\$265,000

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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**PROGRAM:
GOLF**

**APPROPRIATION UNIT:
Parks & Recreation**



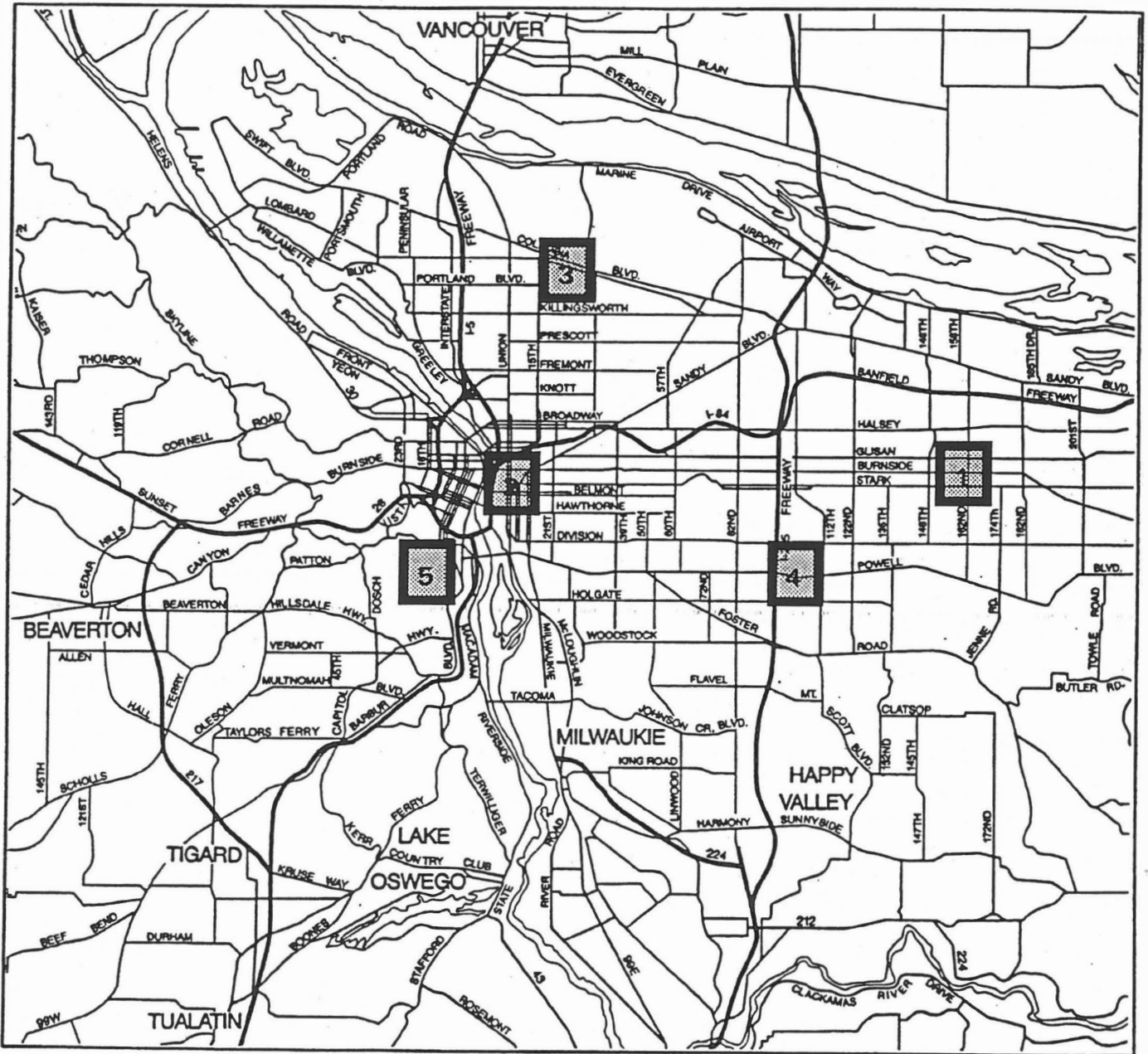
- 1 HERON LAKES CART PATHS
- 2 EASTMORELAND MAINTENANCE BLDG
- 3 PROGRESS DOWNS COURSE REMODEL
- 4 ROSE CITY WALKING TRAILS
- 5 WEST DELTA DIKE IMPROVEMENTS

PROGRAM LOCATION MAP

CB-5

**PROGRAM:
PARKS**

**APPROPRIATION UNIT:
Parks & Recreation**



- 1 URBAN SERVICES; 10 PARKS
- 2 EAST BANK RIVER FRONT PATH
- 3 ALBERTA BASKETBALL STRUCTURE
- 4 ED BENEDICT DEVELOPMENT

5 DUNIWAY TRACK RESURFACING

PROGRAM LOCATION MAP
CB-5

PROJECT DETAIL

Project: *INFRASTRUCTURE IMPROVEMENTS*

System: *Cultural/Recreation*
Program: *Arena*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x
x

Project Description:
This project includes relocation of roadways in the area.

Funding Sources:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Project BANs	\$7,672,503	\$2,018,662	\$3,816,924	\$0	\$0	\$0	\$13,508,089
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$7,672,503	\$2,018,662	\$3,816,924	\$0	\$0	\$0	\$13,508,089

Costs/Schedule:	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Planning	\$910,100	\$239,450	\$452,757	\$0	\$0	\$0	\$1,602,308
Design/Project Management	552,146	145,271	274,682	0	0	0	972,099
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	6,210,257	1,633,940	3,089,485	0	0	0	10,933,682
Total Annual Costs	\$7,672,503	\$2,018,662	\$3,816,924	\$0	\$0	\$0	\$13,508,089

Estimated Additional Operating/Maintenance Costs:	\$0	\$0	\$0	\$0	\$0	\$0
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Project: *WEST BROADWAY GARAGE*

System: *Cultural/Recreation*
Program: *Arena*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:
This project includes new construction of a parking facility

Funding Sources:	Prior Yrs	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	TOTAL
Project BANs	\$871,410	\$4,741,675	\$0	\$0	\$0	\$0	\$5,613,085
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$871,410	\$4,741,675	\$0	\$0	\$0	\$0	\$5,613,085

Costs/Schedule:	Prior Yrs	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	TOTAL
Planning	\$54,257	\$295,231	\$0	\$0	\$0	\$0	\$349,487
Design/Project Management	61,142	332,697	0	0	0	0	393,839
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	756,012	4,113,748	0	0	0	0	4,869,759
Total Annual Costs	\$871,410	\$4,741,675	\$0	\$0	\$0	\$0	\$5,613,086

Estimated Additional Operating/Maintenance Costs:	\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: EAST BROADWAY GARAGE

System: Cultural/Recreation
Program: Arena

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction

x

Project Description:
 This project includes new construction of a parking facility

Funding Sources:	Prior Yrs	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	TOTAL
Project BANs	\$625,085	\$973,141	\$3,338,376	\$0	\$0	\$0	\$4,936,602
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$625,085	\$973,141	\$3,338,376	\$0	\$0	\$0	\$4,936,602

Costs/Schedule:	Prior Yrs	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	TOTAL
Planning	\$46,158	\$71,859	\$246,513	\$0	\$0	\$0	\$364,529
Design/Project Management	52,209	81,280	278,832	0	0	0	412,321
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	526,718	820,002	2,813,032	0	0	0	4,159,753
Total Annual Costs	\$625,085	\$973,141	\$3,338,376	\$0	\$0	\$0	\$4,936,602

Estimated Additional Operating/Maintenance Costs:	\$0	\$0	\$0	\$0	\$0	\$0
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Project: PLAZA

System: Cultural/Recreation
Program: Arena

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction

x

Project Description:
 This project includes constructing a plaza that will connect Arena site facilities.

Funding Sources:	Prior Yrs	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	TOTAL
Project BANs	\$1,188,696	\$1,361,100	\$2,631,896	\$0	\$0	\$0	\$5,181,692
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$1,188,696	\$1,361,100	\$2,631,896	\$0	\$0	\$0	\$5,181,692

Costs/Schedule:	Prior Yrs	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	TOTAL
Planning	\$133,471	\$152,829	\$295,518	\$0	\$0	\$0	\$581,817
Design/Project Management	86,101	98,589	190,637	0	0	0	375,327
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	969,124	1,109,683	2,145,742	0	0	0	4,224,549
Total Annual Costs	\$1,188,696	\$1,361,100	\$2,631,896	\$0	\$0	\$0	\$5,181,693

Estimated Additional Operating/Maintenance Costs:	\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: *TRI-MET STATION*

System: *Cultural/Recreation*
Program: *Arena*

Objectives:

Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:

This project includes reconstruction of the transit center.

Funding Sources:
Project BANs

Prior Yrs	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	TOTAL
\$222,038	\$321,207	\$196,869	\$0	\$0	\$0	\$740,114
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
Total	\$222,038	\$321,207	\$196,869	\$0	\$0	\$740,114

Costs/Schedule:

Planning	\$25,027	\$36,205	\$22,190	\$0	\$0	\$83,423
Design/Project Management	16,043	23,209	14,225	0	0	53,477
Site Acquisition	0	0	0	0	0	0
Construction/Major Equipment	180,967	261,793	160,454	0	0	603,214
Total Annual Costs	\$222,038	\$321,207	\$196,869	\$0	\$0	\$740,115

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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Project: *PRIVATE UTILITIES*

System: *Cultural/Recreation*
Program: *Arena*

Objectives:

Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:

This project includes relocation of utilities in the area.

Funding Sources:
Project BANs

Prior Yrs	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	TOTAL
\$498,704	\$34,190	\$20,955	\$0	\$0	\$0	\$553,849
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
Total	\$498,704	\$34,190	\$20,955	\$0	\$0	\$553,849

Costs/Schedule:

Planning	\$55,899	\$3,832	\$2,349	\$0	\$0	\$62,080
Design/Project Management	36,170	2,480	1,520	0	0	40,170
Site Acquisition	0	0	0	0	0	0
Construction/Major Equipment	406,636	27,878	17,086	0	0	451,600
Total Annual Costs	\$498,704	\$34,190	\$20,955	\$0	\$0	\$553,850

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: MEMORIAL COLISEUM

System: Cultural/Recreation
Program: Arena

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction

x

Project Description:

This project includes improvements to the Memorial Coliseum (Drake/Turner directed work).

Funding Sources:	Prior Yrs	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	TOTAL
Project BANs	\$321,852	\$645,961	\$1,605,587	\$0	\$0	\$0	\$2,573,400
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$321,852	\$645,961	\$1,605,587	\$0	\$0	\$0	\$2,573,400

Costs/Schedule:

Planning	\$23,868	\$47,903	\$119,066	\$0	\$0	\$0	\$190,836
Design/Project Management	41,226	82,741	205,659	0	0	0	329,626
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	256,758	515,317	1,280,862	0	0	0	2,052,937
Total Annual Costs	\$321,852	\$645,961	\$1,605,587	\$0	\$0	\$0	\$2,573,399

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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Project: OTHER

System: Cultural/Recreation
Program: Arena

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction

x

Project Description:

This project includes improvements to the Memorial Coliseum (City directed work).

Funding Sources:	Prior Yrs	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	TOTAL
Project BANs	\$433,805	\$959,364	\$0	\$0	\$0	\$0	\$1,393,169
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$433,805	\$959,364	\$0	\$0	\$0	\$0	\$1,393,169

Costs/Schedule:

Planning	\$32,170	\$71,144	\$0	\$0	\$0	\$0	\$103,314
Design/Project Management	55,566	122,885	0	0	0	0	178,451
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	346,069	765,335	0	0	0	0	1,111,404
Total Annual Costs	\$433,805	\$959,364	\$0	\$0	\$0	\$0	\$1,393,169

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL SHEETS

ECONOMIC DEVELOPMENT CAPITAL SYSTEM

PROJECT DETAIL

Project: Gallery Park II Housing

System: Economic Development
 Program: Downtown/Old Town

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction X

Project Description:
 Predevelopment costs for a 30-unit mixed-income housing project.

Funding Sources:	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
PDC Resources	\$15,000	\$2,000	\$0	\$0	\$0	\$17,000
	0	0	0	0	0	0
Total	\$15,000	\$2,000	\$0	\$0	\$0	\$17,000
Costs/Schedule:						
Planning	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0
Site Acquisition	15,000	2,000	0	0	0	17,000
Construction/Major Equipment	0	0	0	0	0	0
Total Annual Costs	\$15,000	\$2,000	\$0	\$0	\$0	\$17,000

PROJECT DETAIL

Project: Block 50 Redevelopment

System: Economic Development
 Program: Downtown/Old Town

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction X

Project Description:
 Property management and garage enhancement for Block 50.

Funding Sources:	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
PDC Resources	\$107,050	\$0	\$0	\$0	\$0	\$107,050
New Tax Increment	0	0	250,000	2,000,000	0	2,250,000
	0	0	0	0	0	0
	0	0	0	0	0	0
Total	\$107,050	\$0	\$250,000	\$2,000,000	\$0	\$2,357,050
Costs/Schedule:						
Planning	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	100,000	0	0	100,000
Site Acquisition	107,050	0	0	0	0	107,050
Construction/Major Equipment	0	0	150,000	2,000,000	0	2,150,000
Total Annual Costs	\$107,050	\$0	\$250,000	\$2,000,000	\$0	\$2,357,050

PROJECT DETAIL

Project: Mixed Income Housing

Objectives:

System: Economic Development
Program: Downtown/Old Town

Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction **X**

Project Description:

Predevelopment expenses for South Park Blocks mixed income housing.

Funding Sources:	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
PDC Resources	\$5,000	\$10,000	\$10,000	\$0	\$0	\$25,000
	0	0	0	0	0	0
Total	\$5,000	\$10,000	\$10,000	\$0	\$0	\$25,000
Costs/Schedule:						
Planning	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0
Site Acquisition	5,000	10,000	10,000	0	0	25,000
Construction/Major Equipment	0	0	0	0	0	0
Total Annual Costs	\$5,000	\$10,000	\$10,000	\$0	\$0	\$25,000

PROJECT DETAIL

Project: Hamilton Replacement Housing

System: Economic Development
 Program: Downtown/Old Town

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction X

Project Description:
 Predevelopment expenses for a new low-income housing project in the South Park Blocks.

Funding Sources:	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Federal HUD Grant	\$27,000	\$0	\$0	\$0	\$0	\$27,000
	0	0	0	0	0	0
Total	\$27,000	\$0	\$0	\$0	\$0	\$27,000
Costs/Schedule:						
Planning	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0
Site Acquisition	27,000	0	0	0	0	27,000
Construction/Major Equipment	0	0	0	0	0	0
Total Annual Costs	\$27,000	\$0	\$0	\$0	\$0	\$27,000

PROJECT DETAIL

Project: Phase II Belmont/Main

System: Economic Development
 Program: Central Eastside District

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction X

Project Description:
 Assemble a two-block parcel for redevelopment.

Funding Sources:	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
PDC Resources	\$520,000	\$0	\$0	\$0	\$0	\$520,000
	0	0	0	0	0	0
Total	\$520,000	\$0	\$0	\$0	\$0	\$520,000
Costs/Schedule:						
Planning	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0
Site Acquisition	520,000	0	0	0	0	520,000
Construction/Major Equipment	0	0	0	0	0	0
Total Annual Costs	\$520,000	\$0	\$0	\$0	\$0	\$520,000

PROJECT DETAIL

Project: Property Management

System: Economic Development
 Program: Central Eastside District

Objectives:
 Maintain Capital Stock X
 Upgrade Existing System
 Expansion or New Construction

Project Description:
 Management of PDC-owned properties in the Central Eastside.

Funding Sources:	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
PDC Resources	\$4,500	\$4,500	\$4,500	\$4,500	\$4,500	\$22,500
	0	0	0	0	0	0
Total	\$4,500	\$4,500	\$4,500	\$4,500	\$4,500	\$22,500
Costs/Schedule:						
Planning	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0
Site Acquisition	4,500	4,500	4,500	4,500	4,500	22,500
Construction/Major Equipment	0	0	0	0	0	0
Total Annual Costs	\$4,500	\$4,500	\$4,500	\$4,500	\$4,500	\$22,500

PROJECT DETAIL

Project: Water Avenue Extension LID

System: Economic Development
Program: Central Eastside District

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction X

Project Description:
 Extend Water Avenue from OMSI to Division Place.

Funding Sources:	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
PDC Resources	\$9,500	\$0	\$0	\$0	\$0	\$9,500
LID	0	2,500,000	0	0	0	2,500,000
	0	0	0	0	0	0
	0	0	0	0	0	0
Total	\$9,500	\$2,500,000	\$0	\$0	\$0	\$2,509,500
Costs/Schedule:						
Planning	\$9,500	\$0	\$0	\$0	\$0	\$9,500
Design/Project Management	0	50,000	0	0	0	50,000
Site Acquisition	0	0	0	0	0	0
Construction/Major Equipment	0	2,450,000	0	0	0	2,450,000
Total Annual Costs	\$9,500	\$2,500,000	\$0	\$0	\$0	\$2,509,500

PROJECT DETAIL

Project: Eastbank Riverfront Park

System: Economic Development
 Program: Central Eastside District

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction X

Project Description:
 Design and build a riverfront park and esplanade to complement the redevelopment area and provide river access.

Funding Sources:	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
General Fund Set-Aside	\$54,000	\$0	\$0	\$0	\$0	\$54,000
General Obligation Bonds	0	20,000	3,000,000	3,000,000	0	6,020,000
	0	0	0	0	0	0
Total	\$54,000	\$20,000	\$3,000,000	\$3,000,000	\$0	\$6,074,000
Costs/Schedule:						
Planning	\$54,000	\$0	\$0	\$0	\$0	\$54,000
Design/Project Management	0	0	0	0	0	0
Site Acquisition	0	20,000	0	0	0	20,000
Construction/Major Equipment	0	0	3,000,000	3,000,000	0	6,000,000
Total Annual Costs	\$54,000	\$20,000	\$3,000,000	\$3,000,000	\$0	\$6,074,000

PROJECT DETAIL

Project: Aircraft Maintenance Facility

Objectives:

System: Economic Development
Program: Airport Way/Columbia Corridor

Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction X

Project Description:

Partial construction cost of an aircraft maintenance training facility to be constructed by Portland Community College.

Funding Sources:	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
CDBG	\$500,000	\$0	\$0	\$0	\$0	\$500,000
	0	0	0	0	0	0
Total	\$500,000	\$0	\$0	\$0	\$0	\$500,000
Costs/Schedule:						
Planning	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0
Construction/Major Equipment	500,000	0	0	0	0	500,000
Total Annual Costs	\$500,000	\$0	\$0	\$0	\$0	\$500,000

PROJECT DETAIL

Project: Airport Way Landscaping

System: Economic Development
 Program: Airport Way/Columbia Corridor

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction X

Project Description:
 Extended warranty on Phase II of Airport Way landscaping; also includes Irrigation and other expenses.

Funding Sources:	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
PDC Resources	\$80,000	\$0	\$0	\$0	\$0	\$80,000
	0	0	0	0	0	0
Total	\$80,000	\$0	\$0	\$0	\$0	\$80,000
Costs/Schedule:						
Planning	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0
Construction/Major Equipment	80,000	0	0	0	0	80,000
Total Annual Costs	\$80,000	\$0	\$0	\$0	\$0	\$80,000

PROJECT DETAIL

Project: 40-Mile Loop Trail

System: Economic Development
 Program: Airport Way/Columbia Corridor

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction X

Project Description:
 Design, acquire easements and build a portion of the 40-Mile Loop Trail,
 along the Columbia Slough between 82nd and 185th.

Funding Sources:	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
PDC Resources	\$350,000	\$88,000	\$0	\$0	\$0	\$438,000
	0	0	0	0	0	0
Total	\$350,000	\$88,000	\$0	\$0	\$0	\$438,000
Costs/Schedule:						
Planning	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	50,000	0	0	0	0	50,000
Site Acquisition	50,000	0	0	0	0	50,000
Construction/Major Equipment	250,000	88,000	0	0	0	338,000
Total Annual Costs	\$350,000	\$88,000	\$0	\$0	\$0	\$438,000

PROJECT DETAIL

Project: Holman Property Management

System: Economic Development
 Program: Airport Way/Columbia Corridor

Objectives:
 Maintain Capital Stock X
 Upgrade Existing System
 Expansion or New Construction

Project Description:
 Management of three parcels acquired by PDC for the Holman Project.

Funding Sources:	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
PDC Sources	\$26,500	\$0	\$0	\$0	\$0	\$26,500
	0	0	0	0	0	0
Total	\$26,500	\$0	\$0	\$0	\$0	\$26,500
Costs/Schedule:						
Planning	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0
Site Acquisition	26,500	0	0	0	0	26,500
Construction/Major Equipment	0	0	0	0	0	0
Total Annual Costs	\$26,500	\$0	\$0	\$0	\$0	\$26,500

PROJECT DETAIL

Project: Wetlands Mitigation

System: Economic Development
 Program: Airport Way/Columbia Corridor

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction X

Project Description:
 Mitigation of wetlands which were removed as part of Airport Way street construction. Builds an 11-acre wetland mitigation pond.

Funding Sources:	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
PDC Resources	\$700,000	\$0	\$0	\$0	\$0	\$700,000
	0	0	0	0	0	0
Total	\$700,000	\$0	\$0	\$0	\$0	\$700,000
Costs/Schedule:						
Planning	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0
Construction/Major Equipment	700,000	0	0	0	0	700,000
Total Annual Costs	\$700,000	\$0	\$0	\$0	\$0	\$700,000

PROJECT DETAIL

Project: Walnut Park Project

System: Economic Development
 Program: Inner Northeast

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction X

Project Description:
 Construct commercial space in the new North Precinct at Walnut Park.

Funding Sources:	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
City of Portland Facilities	\$2,071,350	\$0	\$0	\$0	\$0	\$2,071,350
CDBG	500,000	0	0	0	0	500,000
	0	0	0	0	0	0
	0	0	0	0	0	0
Total	\$2,571,350	\$0	\$0	\$0	\$0	\$2,571,350
Costs/Schedule:						
Planning	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0
Construction/Major Equipment	2,570,350	0	0	0	0	2,570,350
Total Annual Costs	\$2,570,350	\$0	\$0	\$0	\$0	\$2,570,350

PROJECT DETAIL

Project: N/NE Multifamily Housing

System: Economic Development
Program: Inner Northeast

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction **X**

Project Description:
 Predevelopment costs for approximately 100 new units of housing.

Funding Sources:	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
HOME Grant	\$12,000	\$0	\$0	\$0	\$0	\$12,000
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
Total	\$12,000	\$0	\$0	\$0	\$0	\$12,000
Costs/Schedule:						
Planning	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0
Site Acquisition	12,000	0	0	0	0	12,000
Construction/Major Equipment	0	0	0	0	0	0
Total Annual Costs	\$12,000	\$0	\$0	\$0	\$0	\$12,000

PROJECT DETAIL

Project: Oregon Arena Project Management

System: Economic Development
Program: Lloyd District

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction **X**

Project Description:
 Project management and public improvements for the Rose Garden.

Funding Sources:	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
City Revenue Bonds	\$495,000	\$0	\$0	\$0	\$0	\$495,000
	0	0	0	0	0	0
Total	\$495,000	\$0	\$0	\$0	\$0	\$495,000
Costs/Schedule:						
Planning	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0
Construction/Major Equipment	495,000	0	0	0	0	495,000
Total Annual Costs	\$495,000	\$0	\$0	\$0	\$0	\$495,000

PROJECT DETAIL

Project: Headquarters Hotel Property Management

System: Economic Development
 Program: Lloyd District

Objectives:
 Maintain Capital Stock X
 Upgrade Existing System
 Expansion or New Construction

Project Description:
 Property management for PDC-owned properties adjacent to the Convention Center.

Funding Sources:	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
PDC Resources	\$28,150	\$0	\$0	\$0	\$0	\$28,150
	0	0	0	0	0	0
Total	\$28,150	\$0	\$0	\$0	\$0	\$28,150
Costs/Schedule:						
Planning	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0
Site Acquisition	28,150	0	0	0	0	28,150
Construction/Major Equipment	0	0	0	0	0	0
Total Annual Costs	\$28,150	\$0	\$0	\$0	\$0	\$28,150

PROJECT DETAIL

Project: PGT Corporate Headquarters

System: Economic Development
 Program: North Macadam/South Waterfront

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction X

Project Description:
 Site preparation and improvements for the new Pacific Gas Transmission corporate headquarters.

Funding Sources:	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
PDC Resources	\$523,000	\$40,000	\$0	\$0	\$0	\$563,000
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
Total	\$523,000	\$40,000	\$0	\$0	\$0	\$563,000
Costs/Schedule:						
Planning	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0
Construction/Major Equipment	523,000	40,000	0	0	0	563,000
Total Annual Costs	\$523,000	\$40,000	\$0	\$0	\$0	\$563,000

PROJECT DETAIL

Project: Land Preparation

System: Economic Development
 Program: North Macadam/South Waterfront

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction X

Project Description:
 Site preparation and environmental remediation for South Waterfront parcel 3-C.

Funding Sources:	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
PDC Resources	\$37,700	\$120,000	\$120,000	\$20,000	\$50,000	\$347,700
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
Total	\$37,700	\$120,000	\$120,000	\$20,000	\$50,000	\$347,700
Costs/Schedule:						
Planning	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0
Construction/Major Equipment	37,700	120,000	120,000	20,000	50,000	347,700
Total Annual Costs	\$37,700	\$120,000	\$120,000	\$20,000	\$50,000	\$347,700

PROJECT DETAIL

Project: Union Station Housing

System: Economic Development
 Program: River District/Union Station

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction X

Project Description:
 Site preparation and predevelopment costs for a 400 to 600-unit mixed income housing development.

Funding Sources:	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
PDC Resources	\$50,000	\$75,000	\$10,000	\$0	\$0	\$135,000
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
Total	\$50,000	\$75,000	\$10,000	\$0	\$0	\$135,000
Costs/Schedule:						
Planning	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0
Construction/Major Equipment	50,000	75,000	10,000	0	0	135,000
Total Annual Costs	\$50,000	\$75,000	\$10,000	\$0	\$0	\$135,000

PROJECT DETAIL

Project: Union Station Property Management

System: Economic Development
Program: River District/Union Station

Objectives:
 Maintain Capital Stock X
 Upgrade Existing System
 Expansion or New Construction

Project Description:
 Management of the Union Station building.

Funding Sources:	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
PDC Resources	\$650,000	\$650,000	\$650,000	\$650,000	\$650,000	\$3,250,000
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
Total	\$650,000	\$650,000	\$650,000	\$650,000	\$650,000	\$3,250,000
Costs/Schedule:						
Planning	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0
Site Acquisition	650,000	650,000	650,000	650,000	650,000	3,250,000
Construction/Major Equipment	0	0	0	0	0	0
Total Annual Costs	\$650,000	\$650,000	\$650,000	\$650,000	\$650,000	\$3,250,000

PROJECT DETAIL

Project: Union Station Public Site Improvement

System: Economic Development
 Program: River District/Union Station

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction X

Project Description:
 Construction of a landscaped berm adjacent to tracks.

Funding Sources:	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
PDC Resources	\$150,000	\$0	\$0	\$0	\$0	\$150,000
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
Total	\$150,000	\$0	\$0	\$0	\$0	\$150,000
Costs/Schedule:						
Planning	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	10,000	0	0	0	0	10,000
Site Acquisition	0	0	0	0	0	0
Construction/Major Equipment	140,000	0	0	0	0	140,000
Total Annual Costs	\$150,000	\$0	\$0	\$0	\$0	\$150,000

PROJECT DETAIL

Project: Redevelop 511 Building

System: Economic Development
Program: River District/Union Station

Objectives:
 Maintain Capital Stock X
 Upgrade Existing System
 Expansion or New Construction

Project Description:
 Property management for the 511 Building.

Funding Sources:	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
PDC Resources	\$45,900	\$70,000	\$70,000	\$70,000	\$70,000	\$325,900
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
Total	\$45,900	\$70,000	\$70,000	\$70,000	\$70,000	\$325,900
Costs/Schedule:						
Planning	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0
Site Acquisition	45,900	70,000	70,000	70,000	70,000	325,900
Construction/Major Equipment	0	0	0	0	0	0
Total Annual Costs	\$45,900	\$70,000	\$70,000	\$70,000	\$70,000	\$325,900

PROJECT DETAIL

Project: Trailways/Post Office Blocks

System: Economic Development
 Program: River District/Union Station

Objectives:
 Maintain Capital Stock X
 Upgrade Existing System
 Expansion or New Construction

Project Description:
 Property management for the Trailways/Post Office blocks.

Funding Sources:	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
PDC Resources	\$20,300	\$0	\$0	\$0	\$0	\$20,300
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
Total	\$20,300	\$0	\$0	\$0	\$0	\$20,300
Costs/Schedule:						
Planning	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0
Site Acquisition	20,300	0	0	0	0	20,300
Construction/Major Equipment	0	0	0	0	0	0
Total Annual Costs	\$20,300	\$0	\$0	\$0	\$0	\$20,300

PROJECT DETAIL

Project: Homestead Program

System: Economic Development
 Program: City-Wide

Objectives:
 Maintain Capital Stock X
 Upgrade Existing System
 Expansion or New Construction

Project Description:
 Acquisition and rehabilitation costs for homestead houses.

Funding Sources:	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
CDBG	\$1,215,453	\$0	\$0	\$0	\$0	\$1,215,453
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
Total	\$1,215,453	\$0	\$0	\$0	\$0	\$1,215,453
Costs/Schedule:						
Planning	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0
Site Acquisition	615,453	0	0	0	0	615,453
Construction/Major Equipment	600,000	0	0	0	0	600,000
Total Annual Costs	\$1,215,453	\$0	\$0	\$0	\$0	\$1,215,453

PROJECT DETAIL SHEETS

SEWAGE CAPITAL SYSTEM

PROJECT DETAIL

Project Title: **CBWTP HEADWORKS**

Project Ranking: **1**

Project Identification Number: **4958**

System: **SEWAGE**

Program: **SEWAGE TREATMENT SYSTEMS**

Objectives:

Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$67,353	\$1,050,000	\$1,657,119	\$2,498,076	\$12,560,000	\$12,022,400	\$2,000,000	\$0	\$0	\$26,582,400	$30,804,948
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$67,353	\$1,050,000	\$1,657,119	\$2,498,076	\$12,560,000	\$12,022,400	\$2,000,000	\$0	\$0	\$26,582,400	\$30,804,948

Costs/Schedule:

Planning	\$67,353	\$1,200	\$23,184	\$1,200		\$0	\$0	\$0	\$0	\$0	\$91,737
Design/Project Management	0						0	0	0	1,946,200	6,064,508
City		16,391	20,730	40,840	110,000	200,000					
Contracted		1,032,409	1,610,536	2,446,202	1,156,200	480,000					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0						2,000,000	0	0	24,636,200	24,648,703
City		0	1,952	9,834	0	0					
Contracted		0	717	0	11,293,800	11,342,400					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$67,353	\$1,050,000	\$1,657,119	\$2,498,076	\$12,560,000	\$12,022,400	\$2,000,000	\$0	\$0	\$26,582,400	\$30,804,948

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: **CBWTP OUTFALL MODIFICATION**

Project Ranking: **1**

Project Identification Number: **5136**

System: **SEWAGE**

Program: **SEWERAGE TREATMENT SYSTEMS**

Objectives:

- Maintenance/Repair
- Replacement
- Mandated
- Expansion
- Efficiency

X

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Sewer Construction Fund	\$0	\$0	\$7,057	\$100,000	\$3,255,616	\$0	\$0	\$0	\$0	\$3,255,616	\$3,362,673
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$7,057	\$100,000	\$3,255,616	\$0	\$0	\$0	\$0	\$3,255,616	\$3,362,673

Costs/Schedule:

Planning	\$0	\$0	\$7,057		\$0	\$0	\$0	\$0	\$0	\$0	\$7,057
Design/Project Management	0						0	0	0	31,304	31,304
City		0	0		31,304						
Contracted		0	0		0						
Site Acquisition	0	0	0	0	0	0	0	0	0	\$0	0
Construction	0						0	0	0	3,224,312	3,324,312
City		0	0	0	0						
Contracted		0	0	100,000	3,224,312						
Major Equipment	0	0	0	0	0	0	0	0	0	\$0	0
Total Annual Costs	\$0	\$0	\$7,057	\$100,000	\$3,255,616	\$0	\$0	\$0	\$0	\$3,255,616	\$3,362,673

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **MODIFY AERATION BASIN CONFIGURATION**

Project Ranking: **1**

Project Identification Number: **4781**

System: **SEWAGE**

Program: **SEWERAGE TREATMENT SYSTEMS**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Sewer Construction Fund	\$773,434	\$2,144,479	\$5,085,187	\$2,795,141	\$200,000		\$0	\$0	\$0	\$200,000	\$8,853,762
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$773,434	\$2,144,479	\$5,085,187	\$2,795,141	\$200,000	\$0	\$0	\$0	\$0	\$200,000	\$8,853,762

Costs/Schedule:											
Planning	\$0	\$1,800	\$1,031	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,031
Design/Project Management	773,434						0	0	0	5,000	938,334
City		2,000	5,897	0	5,000	0					
Contracted		105,000	154,003	0	0	0					
Site Acquisition	0	168,900	0	0	0	0	0	0	0	0	0
Construction	0						0	0	0	195,000	7,914,397
City		76,991	73,184	73,391	0	0					
Contracted		1,789,788	4,851,072	2,721,750	195,000	0					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$773,434	\$2,144,479	\$5,085,187	\$2,795,141	\$200,000	\$0	\$0	\$0	\$0	\$200,000	\$8,853,762

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: **INVERNESS FORCE MAIN**
 Project Ranking: **1**
 Project Identification Number: **5152**
 System: **SEWAGE**
 Program: **SEWERAGE TREATMENT SYSTEMS**

Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year						5 YEAR TOTAL	TOTAL PROJECT COST
				FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99		
Sewer Construction Fund	\$0	\$0	\$703	\$200,000	\$980,200	\$772,200	\$9,982,500	\$9,982,500	\$0	\$21,717,400	\$21,918,103
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$703	\$200,000	\$980,200	\$772,200	\$9,982,500	\$9,982,500	\$0	\$21,717,400	\$21,918,103

Costs/Schedule:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year						5 YEAR TOTAL	TOTAL PROJECT COST
				FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99		
Planning	\$0	\$0	\$703	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$200,703
Design/Project Management	0	0	0	0	0	0	199,650	199,650	0	1,951,700	1,951,700
City		0	0	0	37,700	30,000					
Contracted		0	0	0	742,500	742,200					
Site Acquisition	0	0	0	0	200,000	0	0	0	0	200,000	200,000
Construction	0	0	0	0	0	0	9,782,850	9,782,850	0	19,565,700	19,565,700
City		0	0	0	0	0					
Contracted		0	0	0	0	0					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$703	\$200,000	\$980,200	\$772,200	\$9,982,500	\$9,982,500	\$0	\$21,717,400	\$21,918,103

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: **CBWTP LAGOON RENOVATION**

Project Ranking: **1**

Project Identification Number: **4451**

System: **SEWAGE**

Program: **SEWERAGE TREATMENT SYSTEMS**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Sewer Construction Fund	\$5,191,062	\$3,005,298	\$3,122,270	\$3,693,579	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$1,250,000	\$11,250,000	\$23,256,911
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$5,191,062	\$3,005,298	\$3,122,270	\$3,693,579	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$1,250,000	\$11,250,000	\$23,256,911

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
Planning	\$0	\$1,000	\$3,728	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,728
Design/Project Management	1,173,333						50,000	50,000	25,000	184,000	2,065,469
City		0	1,434	0	49,000	10,000					
Contracted		0	706,702	0	0	0					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	4,017,729						2,450,000	2,450,000	1,225,000	11,066,000	21,187,714
City		32,327	869,180	61,131	0	0					
Contracted		2,971,971	1,541,226	3,632,448	2,451,000	2,490,000					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$5,191,062	\$3,005,298	\$3,122,270	\$3,693,579	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$1,250,000	\$11,250,000	\$23,256,911

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: **SECONDARY CLARIFIERS PHASE I**

Project Ranking: **1**

Project Identification Number: **4865**

System: **SEWAGE**

Program: **SEWERAGE TREATMENT SYSTEMS**

Objectives:

- Maintenance/Repair
- Replacement
- Mandated
- Expansion
- Efficiency

X

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Sewer Construction Fund	\$319,230	\$110,202	\$23,647	\$599,330	\$104,000	\$0	\$0	\$0	\$0	\$104,000	\$1,046,207
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$319,230	\$110,202	\$23,647	\$599,330	\$104,000	\$0	\$0	\$0	\$0	\$104,000	\$1,046,207

Costs/Schedule:											
Planning	\$0	\$600	\$10,480	\$400	\$0	\$0	\$0	\$0	\$0	\$0	\$10,880
Design/Project Management	319,230					0	0	0	0	1,000	331,674
City		7,002	11,444	0	1,000						
Contracted		102,600	0	0	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0									103,000	703,653
City		0	760	26,673	0						
Contracted		0	963	572,257	103,000						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$319,230	\$110,202	\$23,647	\$599,330	\$104,000	\$0	\$0	\$0	\$0	\$104,000	\$1,046,207

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: CBWTP ODOR CONTROL PROJECTS

Project Ranking: 1

Project Identification Number: 4563

System: SEWAGE

Program: SEWERAGE TREATMENT SYSTEMS

Objectives:

Maintenance/Repair	
Replacement	
Mandated	X
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$560,665	\$45,150	\$25,295	\$0	\$326,800	\$500,000	\$0	\$360,000	\$2,390,000	\$3,576,800	$5,662,760
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$560,665	\$45,150	\$25,295	\$0	\$326,800	\$500,000	\$0	\$360,000	\$2,390,000	\$3,576,800	\$5,662,760

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						0	360,000	47,800	513,600	513,600
City		0	0	0	3,800	7,000					
Contracted		0	0	0	95,000	0					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	560,665						0	0	2,342,200	3,063,200	5,149,160
City		10,386	10,745	0	0	0					
Contracted		34,764	14,550	0	228,000	493,000					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$560,665	\$45,150	\$25,295	\$0	\$326,800	\$500,000	\$0	\$360,000	\$2,390,000	\$3,576,800	\$5,662,760

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: REPAIR, REHAB, MAINTENANCE

Project Ranking: 1

Project Identification Number: 4891

System: SEWAGE

Program: SEWERAGE TREATMENT SYSTEMS

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$471,640	\$850,000	\$913,814	\$1,997,032	\$2,012,400	\$2,080,000	\$2,500,000	\$2,500,000	\$3,000,000	\$12,092,400	$32,974,886
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$471,640	\$850,000	\$913,814	\$1,997,032	\$2,012,400	\$2,080,000	\$2,500,000	\$2,500,000	\$3,000,000	\$12,092,400	\$32,974,886

Costs/Schedule:

Planning	\$0	\$0	\$12,367	\$800	\$10,000	\$0	\$0	\$0	\$0	\$10,000	\$23,167
Design/Project Management	25,798						178,800	152,700	204,240	840,460	952,614
City		0	50,356	36,000	41,920	61,700					
Contracted		0	0	0	121,100	80,000					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	445,842						2,321,200	2,347,300	2,795,760	11,141,940	31,899,105
City		13,542	77,440	65,945	0	0					
Contracted		836,458	773,651	1,894,287	1,739,380	1,938,300					
Major Equipment	0	0	0	0	100,000	0	0	0	0	100,000	100,000
Total Annual Costs	\$471,640	\$850,000	\$913,814	\$1,997,032	\$2,012,400	\$2,080,000	\$2,500,000	\$2,500,000	\$3,000,000	\$12,092,400	\$32,974,886

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$21,200	\$21,200	\$21,200	\$21,200	\$84,800
						\$169,600

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PROJECT DETAIL

Project Title: **CBWTP PNEUMATIC CONVEYANCE**

Project Ranking: **1**

Project Identification Number: **4650**

System: **SEWAGE**

Program: **SEWERAGE TREATMENT SYSTEMS**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$273,143	\$367,500	\$46,593	\$0	\$104,000	\$847,600	\$605,000	\$0	\$0	\$1,556,600	$1,876,336
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$273,143	\$367,500	\$46,593	\$0	\$104,000	\$847,600	\$605,000	\$0	\$0	\$1,556,600	\$1,876,336

Costs/Schedule:

Planning	\$0	\$600	\$2,766	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,766
Design/Project Management	273,143						12,000	0	0	121,000	417,612
City		700	7,659	0	4,000	5,000					
Contracted		0	15,810	0	100,000	0					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0						593,000	0	0	1,435,600	1,455,958
City		8,643	266	0	0	0					
Contracted		357,557	20,092	0	0	842,600					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$273,143	\$367,500	\$46,593	\$0	\$104,000	\$847,600	\$605,000	\$0	\$0	\$1,556,600	\$1,876,336

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **CBWTP SECONDARY BYPASS RELIEF**

Project Ranking: **2**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **SEWERAGE TREATMENT SYSTEMS**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$36,400	\$398,320	\$0	\$0	\$0	\$434,720
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$36,400	\$398,320	\$0	\$0	\$0	\$434,720	\$434,720

Costs/Schedule:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0	0	0	44,060	44,060
City		0	0	0	1,400	7,660					
Contracted		0	0	0	35,000	0					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	390,660	390,660
City		0	0	0	0	0					
Contracted		0	0	0	0	390,660					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$0	\$0	\$36,400	\$398,320	\$0	\$0	\$0	\$434,720	\$434,720

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: PS CONTROLLER REPLACEMENT

Project Ranking: 5

Project Identification Number: 4975

System: SEWAGE

Program: SEWERAGE TREATMENT SYSTEMS

Objectives:

Maintenance/Repair	X
Replacement	
Mandated	
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Sewer Construction Fund	\$0	\$0	\$322,437	\$0	\$208,000	\$0	\$0	\$0	\$0	\$208,000	\$530,437
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$322,437	\$0	\$208,000	\$0	\$0	\$0	\$0	\$208,000	\$530,437

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						0	0	0	8,000	23,230
City			15,230	0	8,000	0					
Contracted			0	0	0	0					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0						0	0	0	125,000	432,207
City			36,168	0	0	0					
Contracted			271,039	0	125,000	0					
Major Equipment	0	0	0	0	75,000	0	0	0	0	75,000	75,000
Total Annual Costs	\$0	\$0	\$322,437	\$0	\$208,000	\$0	\$0	\$0	\$0	\$208,000	\$530,437

Estimated Additional Operating/Maintenance Costs

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project Title: CBWTP REUSE WATER SYSTEM

Project Ranking: 6

Project Identification Number: 5210

System: SEWAGE

Program: SEWERAGE TREATMENT SYSTEMS

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Sewer Construction Fund	\$0	\$0	\$0	\$0	\$808,000	\$206,000		\$0	\$0	\$1,014,000	\$1,014,000
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$808,000	\$206,000	\$0	\$0	\$0	\$1,014,000	\$1,014,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0	0	0	220,000	220,000
City		0	0	0	8,000	12,000					
Contracted		0	0	0	200,000	0					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	794,000	794,000
City		0	0	0	0	0					
Contracted		0	0	0	600,000	194,000					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$0	\$0	\$808,000	\$206,000	\$0	\$0	\$0	\$1,014,000	\$1,014,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: CTWTP FACILITIES PLAN UPDATE

Project Ranking: 7

Project Identification Number: NEW

System: SEWAGE

Program: SEWERAGE TREATMENT SYSTEMS

Objectives:

Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL	TOTAL
		FY 92-93	FY 92-93	FY 93-94									PROJECT COST
Sewer Construction Fund	\$0	\$0	\$0	\$0	\$404,000	\$116,000	\$0	\$0	\$0	\$520,000	\$520,000	\$520,000
Grants	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$404,000	\$116,000	\$0	\$0	\$0	\$520,000	\$520,000	\$520,000

Costs/Schedule:												
Planning	\$0	\$0	\$0	\$0	\$400,000	\$100,000	\$0	\$0	\$0	\$500,000	\$500,000	\$500,000
Design/Project Management	0						0	0	0	20,000	20,000	20,000
City		0	0	0	4,000	16,000						
Contracted		0	0	0	0	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	0
Construction	0						0	0	0	0	0	0
City		0	0	0	0	0						
Contracted		0	0	0	0	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$0	\$0	\$404,000	\$116,000	\$0	\$0	\$0	\$520,000	\$520,000	\$520,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: TCWTP EMERGENCY POWER SYSTEM

Project Ranking: 8

Project Identification Number: NEW

System: SEWAGE

Program: SEWERAGE TREATMENT SYSTEMS

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Sewer Construction Fund	\$0	\$0	\$0	\$0	\$150,000	\$0	\$0	\$0	\$0	\$150,000	\$150,000
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$150,000	\$0	\$0	\$0	\$0	\$150,000	\$150,000

Costs/Schedule:											
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						0	0	0	46,800	46,800
City		0	0	0	1,800	0					
Contracted		0	0	0	45,000	0					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0						0	0	0	103,200	103,200
City		0	0	0	0	0					
Contracted		0	0	0	103,200	0					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$0	\$0	\$150,000	\$0	\$0	\$0	\$0	\$150,000	\$150,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

83

PROJECT DETAIL

Project Title: PRE-DESIGN STUDIES

Project Ranking: 9

Project Identification Number: 4846

System: SEWAGE

Program: SEWERAGE TREATMENT SYSTEMS

Objectives:

Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year					5 YEAR		TOTAL
				FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Sewer Construction Fund	\$0	\$0	\$0	\$0	\$31,200	\$31,200	\$31,200	\$31,200	\$31,200	\$156,000	\$331,000
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$31,200	\$31,200	\$31,200	\$31,200	\$31,200	\$156,000	\$331,000

Costs/Schedule:												
Planning	\$0	\$0	\$0	\$0	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$150,000	\$315,000	
Design/Project Management	0						1,200	1,200	1,200	6,000	16,000	
City		0	0	0	1,200	1,200						
Contracted		0	0	0	0	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	
Construction	0						0	0	0	0	0	
City		0	0	0	0	0						
Contracted		0	0	0	0	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	
Total Annual Costs	\$0	\$0	\$0	\$0	\$31,200	\$31,200	\$31,200	\$31,200	\$31,200	\$156,000	\$331,000	

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: CBWTP AUTOMATION PROJECTS

Project Ranking: 1

Project Identification Number: 5081

System: SEWAGE

Program: SEWERAGE TREATMENT SYSTEMS

Objectives:

Maintenance/Repair

Replacement

Mandated

Expansion

Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$176	\$498,750	\$82,454	\$380,305	\$0	\$405,600	\$295,000	\$145,000	\$45,000	\$890,600	$2,603,535
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$176	\$498,750	\$82,454	\$380,305	\$0	\$405,600	\$295,000	\$145,000	\$45,000	\$890,600	\$2,603,535

Costs/Schedule:

Planning	\$176	\$1,600	\$4,152	\$400	\$0	\$0	\$0	\$0	\$0	\$0	\$4,728
Design/Project Management	0						5,000	2,000	1,000	15,300	27,978
City		0	2,678	10,000	0	7,300					
Contracted		0	0	0	0	0					
Site Acquisition	0	465,376	24,636	0	0	0	0	0	0	0	24,636
Construction	0						200,000	103,000	29,000	565,300	1,929,218
City		31,774	2,333	10,125	0	0					
Contracted		0	48,655	52,805	0	233,300					
Major Equipment	0	0	0	306,975	0	165,000	90,000	40,000	15,000	310,000	616,975
Total Annual Costs	\$176	\$498,750	\$82,454	\$380,305	\$0	\$405,600	\$295,000	\$145,000	\$45,000	\$890,600	\$2,603,535

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: TCWTP DIGESTER MODIFICATIONS

Project Ranking: 1

Project Identification Number: 5151

System: SEWAGE

Program: SEWERAGE TREATMENT SYSTEMS

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$0	\$0	\$0	\$50,000	\$0	\$77,220	\$437,250	\$437,250	\$0	\$951,720
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$50,000	\$0	\$77,220	\$437,250	\$437,250	\$0	\$951,720	\$1,001,720

Costs/Schedule:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Planning	\$0	\$0	\$0	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000
Design/Project Management	0	0	0	0	0	0	7,000	7,000	0	91,220	91,220
City	0	0	0	0	0	2,970	0	0	0	0	0
Contracted	0	0	0	0	0	74,250	0	0	0	0	0
Site Acquistion	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	430,250	430,250	0	860,500	860,500
City	0	0	0	0	0	0	0	0	0	0	0
Contracted	0	0	0	0	0	0	0	0	0	0	0
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$0	\$50,000	\$0	\$77,220	\$437,250	\$437,250	\$0	\$951,720	\$1,001,720

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: **CBWTP SECONDARY SCUM REMOVAL**

Project Ranking: **11**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **SEWERAGE TREATMENT SYSTEMS**

Objectives:

Maintenance/Repair	X
Replacement	
Mandated	
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR		TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Sewer Construction Fund	\$0	\$0	\$0	\$0		\$41,600	\$440,000	\$0	\$616,000	\$1,097,600	\$1,097,600
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$41,600	\$440,000	\$0	\$616,000	\$1,097,600	\$1,097,600

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year					5 YEAR		TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						4,000	0	55,440	101,040	101,040
City		0	0	0	0	1,600					
Contracted		0	0	0	0	40,000					
Site Acqulstlon	0	0	0	0	0	0	0	0	0	0	0
Construction	0						436,000	0	560,560	996,560	996,560
City		0	0	0	0	0					
Contracted		0	0	0	0	0					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$0	\$0	\$0	\$41,600	\$440,000	\$0	\$616,000	\$1,097,600	\$1,097,600

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: PS AUTO REMOTE CONTROL

Project Ranking: 12

Project Identification Number: NEW

System: SEWAGE

Program: SEWERAGE TREATMENT SYSTEMS

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$170,000	\$0	\$0	\$0	\$0	\$170,000
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$170,000	\$0	\$0	\$0	\$0	\$170,000	\$170,000

Costs/Schedule:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0	0	0	0	0
City	0	0	0	0	0	0	0	0	0	0	0
Contracted	0	0	0	0	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	170,000	170,000
City	0	0	0	0	0	0	0	0	0	0	0
Contracted	0	0	0	0	170,000	0	0	0	0	0	0
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$0	\$0	\$170,000	\$0	\$0	\$0	\$0	\$170,000	\$170,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: CBWTP PRIMARY CLARIFIER AUTOMATION

Project Ranking: 14

Project Identification Number: 4867

System: SEWAGE

Program: SEWERAGE TREATMENT SYSTEMS

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Sewer Construction Fund	\$93,404	\$0	\$20,703	\$0	\$0	\$639,600	\$615,000	\$0	\$0	\$1,254,600	\$1,368,707
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$93,404	\$0	\$20,703	\$0	\$0	\$639,600	\$615,000	\$0	\$0	\$1,254,600	\$1,368,707

Costs/Schedule:											
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	93,404						5,000	0	0	7,000	108,229
City		0	7,825	0	0	2,000					
Contracted		0	0	0	0	0					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0						610,000	0	0	1,247,600	1,260,478
City		0	2,155	0	0	0					
Contracted		0	10,723	0	0	637,600					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$93,404	\$0	\$20,703	\$0	\$0	\$639,600	\$615,000	\$0	\$0	\$1,254,600	\$1,368,707

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$45,000	\$45,000	\$90,000	\$90,000	\$90,000	\$90,000

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PROJECT DETAIL

Project Title: CO-GENERATION FACILITY

Project Ranking: 15

Project Identification Number: 4879

System: SEWAGE

Program: SEWERAGE TREATMENT SYSTEMS

Objectives:

Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Sewer Construction Fund	\$0	\$0	\$864	\$0	\$208,000	\$0	\$0	\$0	\$0	\$208,000	\$7,848,864
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$864	\$0	\$208,000	\$0	\$0	\$0	\$0	\$208,000	\$7,848,864

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Planning	\$0	\$0	\$864	\$0	\$200,000	\$0	\$0	\$0	\$0	\$200,000	\$200,864
Design/Project Management	0	0	0	0	0	0	0	0	0	8,000	628,800
City		0	0	0	8,000	0	0	0	0		
Contracted		0	0	0	0	0	0	0	0		
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	7,019,200
City		0	0	0	0	0	0	0	0		
Contracted		0	0	0	0	0	0	0	0		
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$864	\$0	\$208,000	\$0	\$0	\$0	\$0	\$208,000	\$7,848,864

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

06

PROJECT DETAIL

Project Title: **CBWTP OPERATIONS CENTER**

Project Ranking: **20**

Project Identification Number: **4880**

System: **SEWAGE**

Program: **SEWERAGE TREATMENT SYSTEMS**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Sewer Construction Fund	\$0	\$0	\$0	\$0		\$208,000	\$400,000	\$2,000,000	\$2,600,000	\$5,208,000	\$5,208,000
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$208,000	\$400,000	\$2,000,000	\$2,600,000	\$5,208,000	\$5,208,000

Costs/Schedule:											
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						400,000	40,000	52,000	700,000	700,000
City		0	0	0	0	8,000					
Contracted		0	0	0	0	200,000					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0							1,960,000	2,548,000	4,508,000	4,508,000
City		0	0	0	0	0					
Contracted		0	0	0	0	0					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$0	\$0	\$0	\$208,000	\$400,000	\$2,000,000	\$2,600,000	\$5,208,000	\$5,208,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: CBWTP PRIMARY CHAIN/FLIGHTS REPLACEMENT

Project Ranking: 10

Project Identification Number: 4964

System: SEWAGE

Program: SEWERAGE TREATMENT SYSTEMS

Objectives:

Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

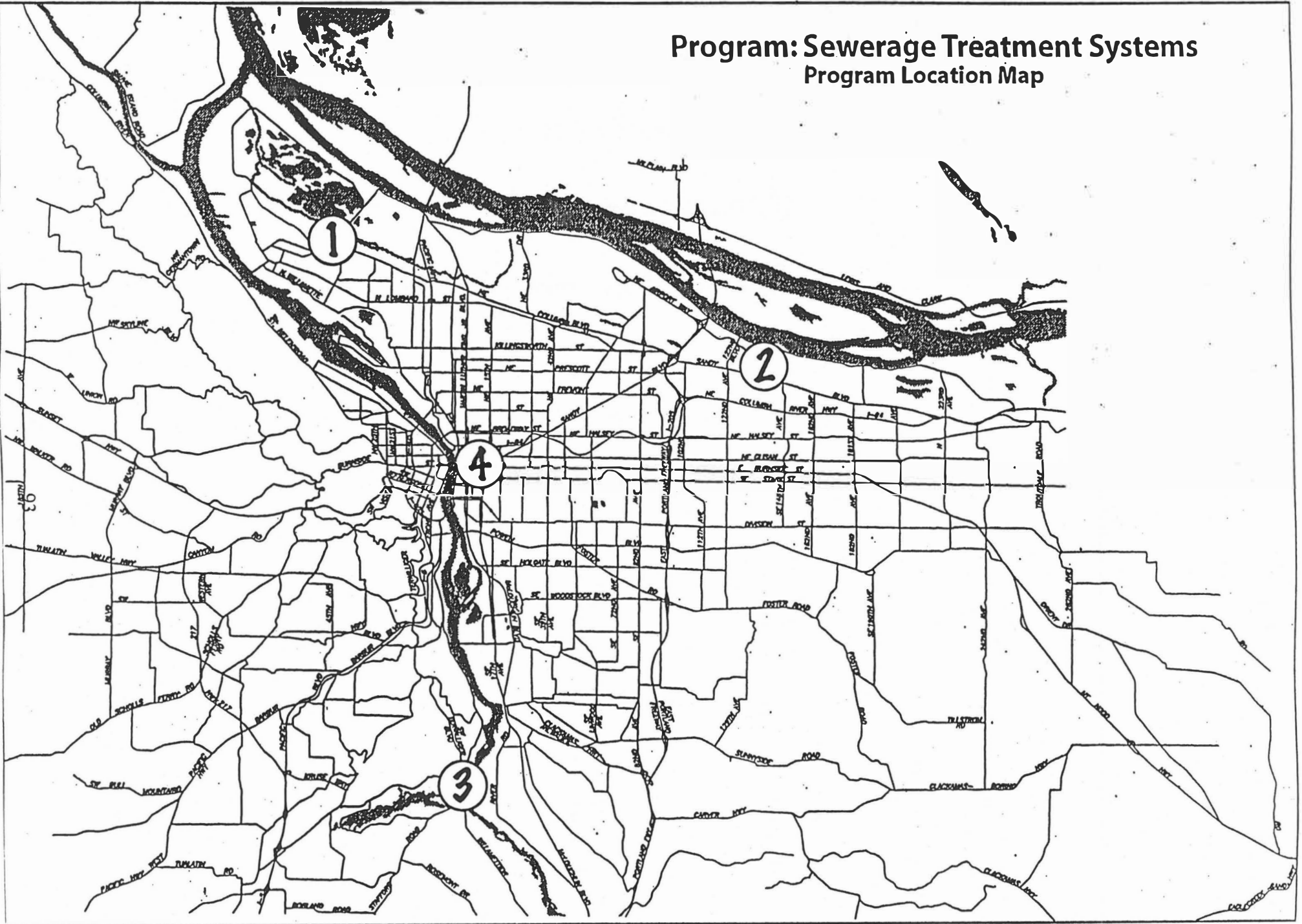
Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$974	\$0	\$6,916	\$0	\$0	\$0	\$859,040	\$0	\$0	\$859,040	$866,930
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$974	\$0	\$6,916	\$0	\$0	\$0	\$859,040	\$0	\$0	\$859,040	\$866,930

Costs/Schedule:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Planning	\$974	\$0	\$538	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,512
Design/Project Management	0	0	0	0	0	0	0	0	0	0	5,683
City		0	5,683	0	0	0	0	0	0	0	
Contracted		0	0	0	0	0	0	0	0	0	
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	859,040	0	0	859,040	859,735
City		0	497	0	0	0	0	0	0	0	
Contracted		0	198	0	0	0	0	0	0	0	
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$974	\$0	\$6,916	\$0	\$0	\$0	\$859,040	\$0	\$0	\$859,040	\$866,930

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

92

Program: Sewerage Treatment Systems Program Location Map



**Program:
Sewerage Treatment Systems
Program Location Legend**

- ① CBWTP Projects
- ② Inverness PS/Force Main
- ③ TCWTP Projects
- ④ Sullivan PS Oper/Mts Bldg.

PROJECT DETAIL

Project Title: **MAINTENANCE CAPITAL-CONTRACT**

Project Ranking: **1**

Project Identification Number: **4863**

System: **SEWAGE**

Program: **MAINTENANCE & RELIABILITY**

Objectives:

Maintenance/Repair	X
Replacement	
Mandated	
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$324,418	\$500,000	\$164,028	\$504,876	\$306,453	\$2,025,812	\$2,633,555	\$2,836,160	\$2,996,600	\$10,798,580	$26,791,902
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$324,418	\$500,000	\$164,028	\$504,876	\$306,453	\$2,025,812	\$2,633,555	\$2,836,160	\$2,996,600	\$10,798,580	\$26,791,902

Costs/Schedule:

Planning	\$0	\$1,000	\$1,351	\$1,000	\$0	\$0	\$0	\$0	\$0	\$0	\$2,351
Design/Project Management	32,442						250,120	269,360	288,600	1,048,580	1,160,867
City		14,844	29,567	34,990	33,100	132,400					
Contracted		0	288	15,000	15,000	60,000					
Site Acquisition	291,976	0	0	2,000	7,000	28,000	36,400	39,200	2,708,000	2,818,600	3,112,576
Construction	0						2,347,035	2,527,600	0	6,931,400	22,516,108
City		56,111	10,494	6,000	41,353	165,412					
Contracted		428,045	122,328	445,886	210,000	1,640,000					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$324,418	\$500,000	\$164,028	\$504,876	\$306,453	\$2,025,812	\$2,633,555	\$2,836,160	\$2,996,600	\$10,798,580	\$26,791,902

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: MAINTENANCE CAPITAL-CONSTRUCTION

Project Ranking: 1

Project Identification Number: 4861

System: SEWAGE

Program: MAINTENANCE & RELIABILITY

Objectives:

Maintenance/Repair	X
Replacement	
Mandated	
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$880,276	\$817,214	\$480,024	\$830,000	\$843,666	\$843,666	\$843,666	\$843,666	\$843,666	\$4,218,330	$10,658,630
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$880,276	\$817,214	\$480,024	\$830,000	\$843,666	\$843,666	\$843,666	\$843,666	\$843,666	\$4,218,330	\$10,658,630

Costs/Schedule:											
Planning	\$0	\$1,000	\$2,118	\$1,000	\$0	\$0	\$0	\$0	\$0	\$0	\$3,118
Design/Project Management	88,028						94,666	94,666	94,666	473,330	711,191
City		20,626	64,836	81,146	74,666	74,666					
Contracted		0	0	3,851	20,000	20,000					
Site Acquistlon	0	0	0	2,000	7,000	7,000	7,000	7,000	7,000	35,000	37,000
Construction	792,248						742,000	742,000	742,000	3,710,000	9,907,321
City		750,588	413,070	742,003	742,000	742,000					
Contracted		45,000	0	0	0	0					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$880,276	\$817,214	\$480,024	\$830,000	\$843,666	\$843,666	\$843,666	\$843,666	\$843,666	\$4,218,330	\$10,658,630

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

96

PROJECT DETAIL

Project Title: MAINTENANCE CAPITAL - EQUIPMENT

Project Ranking: 1

Project Identification Number: 4864

System: SEWAGE

Program: MAINTENANCE & RELIABILITY

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$0	\$250,000	\$10,435	\$250,000	\$700,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,700,000	$4,210,435
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$250,000	\$10,435	\$250,000	\$700,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,700,000	\$4,210,435

Costs/Schedule:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0	0	0	0	0
City	0	0	0	0	0	0	0	0	0	0	0
Contracted	0	0	0	0	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
City	0	0	0	0	0	0	0	0	0	0	0
Contracted	0	0	0	0	0	0	0	0	0	0	0
Major Equipment	0	250,000	10,435	250,000	700,000	500,000	500,000	500,000	500,000	2,700,000	4,210,435
Total Annual Costs	\$0	\$250,000	\$10,435	\$250,000	\$700,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,700,000	\$4,210,435

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

97

PROJECT DETAIL

Project Title: **MAINTENANCE INVENTORY & CONDITION PLAN**
 Project Ranking: **1**
 Project Identification Number: **5184**
 System: **SEWAGE**
 Program: **SEWERAGE TREATMENT SYSTEMS**

Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Sewer Construction Fund	\$0	\$0	\$1,884	\$750,000	\$1,012,000	\$992,000	\$0	\$0	\$0	\$2,004,000	\$2,755,884
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$1,884	\$750,000	\$1,012,000	\$992,000	\$0	\$0	\$0	\$2,004,000	\$2,755,884

Costs/Schedule:	Prior Yrs	Budget	Actual	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
Planning	\$0	\$0	\$1,884	\$1,000	\$0	\$0	\$0	\$0	\$0	\$0	\$2,884
Design/Project Management	0	0	0	0	0	0	0	0	0	0	0
City	0	0	0	74,185	112,000	42,000	0	0	0	1,704,000	2,303,000
Contracted	0	0	0	524,815	750,000	800,000	0	0	0	0	0
Site Acquistlon	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
City	0	0	0	0	0	0	0	0	0	0	0
Contracted	0	0	0	0	0	0	0	0	0	0	0
Major Equipment	0	0	0	150,000	150,000	150,000	0	0	0	300,000	450,000
Total Annual Costs	\$0	\$0	\$1,884	\$750,000	\$1,012,000	\$992,000	\$0	\$0	\$0	\$2,004,000	\$2,755,884

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

86

PROJECT DETAIL

Project Title: **SUMP RECONSTRUCTION & UPGRADE**

Project Ranking: **1**

Project Identification Number: **4859**

System: **SEWAGE**

Program: **MAINTENANCE & RELIABILITY**

Objectives:

Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$1,069,826	\$3,526,710	\$3,946,230	\$2,742,202	\$4,000,000	\$3,000,000	\$2,000,000	\$1,000,000	\$0	\$10,000,000	$17,758,258
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$1,069,826	\$3,526,710	\$3,946,230	\$2,742,202	\$4,000,000	\$3,000,000	\$2,000,000	\$1,000,000	\$0	\$10,000,000	\$17,758,258

Costs/Schedule:

Planning	\$1,070	\$1,500	\$3,437	\$700	\$0	\$0	\$0	\$0	\$0	\$0	\$5,207
Design/Project Management	16,047						20,000	20,000	0	172,000	279,778
City		38,845	42,243	44,526	66,000	66,000					
Contracted		200,000	4,962		0	0					
Site Acquisition	1,052,709	0	0	0	0	0	0	0	0	0	1,052,709
Construction	0						1,030,000	30,000	0	7,928,000	14,520,564
City		65,906	371,892	118,800	83,700	83,700					
Contracted		3,220,459	3,523,696	2,578,176	3,850,300	2,850,300					
Major Equipment	0	0	0	0	0	0	950,000	950,000	0	1,900,000	1,900,000
Total Annual Costs	\$1,069,826	\$3,526,710	\$3,946,230	\$2,742,202	\$4,000,000	\$3,000,000	\$2,000,000	\$1,000,000	\$0	\$10,000,000	\$17,758,258

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$42,750	\$85,500	\$94,050	\$102,600	\$324,900	\$324,900
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **BASEMENT FLOODING RELIEF PROGRAM**

Project Ranking: **1**

Project Identification Number: **5200**

System: **SEWAGE**

Program: **MAINTENANCE & RELIABILITY**

Objectives:

Maintenance/Repair	X
Replacement	
Mandated	
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	PROJECT COST	
Sewer Construction Fund	\$0	\$0	\$0	\$250,001	\$250,000	\$550,000	\$4,000,000	\$3,000,000	\$5,896,000	\$13,696,000	\$100,954,001
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$250,001	\$250,000	\$550,000	\$4,000,000	\$3,000,000	\$5,896,000	\$13,696,000	\$100,954,001

Costs/Schedule:	Prior Yrs	Budget	Actual	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
Planning	\$0	\$0	\$0	\$400	\$0	\$170,000	\$0	\$0	\$0	\$170,000	\$170,400
Design/Project Management	0	0	0	13,899	0	82,000	242,000	342,000	388,000	1,344,000	1,382,899
City	0	0	0	25,000	0	290,000	0	0	0	0	0
Contracted	0	0	0	0	0	8,000	8,000	8,000	8,000	32,000	32,000
Site Acquisition	0	0	0	0	0	0	3,750,000	2,650,000	5,500,000	12,150,000	99,368,702
Construction	0	0	0	1,500	25,000	0	0	0	0	0	0
City	0	0	0	209,202	225,000	0	0	0	0	0	0
Contracted	0	0	0	0	0	0	0	0	0	0	0
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$0	\$250,001	\$250,000	\$550,000	\$4,000,000	\$3,000,000	\$5,896,000	\$13,696,000	\$100,954,001

Estimated Additional Operating/Maintenance Costs	\$0	\$194	\$194	\$764	\$1,334	\$2,486	\$2,486
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0

100

PROJECT DETAIL

Project Title: SE DIVISION: 3RD TO 10TH SEWER RECONSTRUCTION

Project Ranking: 1

Project Identification Number: 5194

System: SEWAGE

Program: MAINTENANCE & RELIABILITY

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$0	\$0	\$337	\$453,108	\$100,000	\$0	\$0	\$0	\$0	\$100,000	$553,445
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$337	\$453,108	\$100,000	\$0	\$0	\$0	\$0	\$100,000	\$553,445

Costs/Schedule:

Planning	\$0	\$0	\$0	\$500	\$0	\$0	\$0	\$0	\$0	\$0	\$500
Design/Project Management	0	0	0	0	0	0	0	0	0	0	32,776
City	0	0	337	22,439	0	0	0	0	0	0	0
Contracted	0	0	0	10,000	0	0	0	0	0	0	0
Site Acquistlon	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	100,000	520,169
City	0	0	0	6,900	10,000	0	0	0	0	0	0
Contracted	0	0	0	413,269	90,000	0	0	0	0	0	0
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$337	\$453,108	\$100,000	\$0	\$0	\$0	\$0	\$100,000	\$553,445

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: SE SHERMAN: 39TH TO 45TH SEWER RECONSTRUCTION

Project Ranking: 1

Project Identification Number: 5093

System: SEWAGE

Program: MAINTENANCE & RELIABILITY

Objectives:

Maintenance/Repair

Replacement

Mandated

Expansion

Efficiency

X

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR		TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Sewer Construction Fund	\$0	\$0	\$18,875	\$503,626	\$100,000	\$0	\$0	\$0	\$0	\$100,000	\$622,501
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$18,875	\$503,626	\$100,000	\$0	\$0	\$0	\$0	\$100,000	\$622,501

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year					5 YEAR		TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Planning	\$0	\$0	\$3,050	\$500	\$0	\$0	\$0	\$0	\$0	\$0	\$3,550
Design/Project Management	0	0	0	0	0	0	0	0	0	0	39,064
City		0	15,825	23,239	0	0					
Contracted		0	0	0	0	0					
Site Acquisition	0	0	0	4,500	0	0	0	0	0	0	4,500
Construction	0	0	0	0	0	0	0	0	0	100,000	575,387
City		0	0	4,600	10,000	0					
Contracted		0	0	470,787	90,000	0					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$18,875	\$503,626	\$100,000	\$0	\$0	\$0	\$0	\$100,000	\$622,501

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: NW CBD SEWER RECONSTRUCTION

Project Ranking: 1

Project Identification Number: 5201

System: SEWAGE

Program: MAINTENANCE & RELIABILITY

Objectives:

Maintenance/Repair	X
Replacement	
Mandated	
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$0	\$0	\$0	\$719,352	\$400,000	\$300,000	\$300,000	\$800,000	\$0	\$1,800,000	$2,519,352
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$719,352	\$400,000	\$300,000	\$300,000	\$800,000	\$0	\$1,800,000	\$2,519,352

Costs/Schedule:

Planning	\$0	\$0	\$0	\$400	\$0	\$0	\$0	\$0	\$0	\$0	\$400
Design/Project Management	0						60,000	0	0	75,000	100,802
City		0	0	25,802	0	10,000					
Contracted		0	0	0	0	5,000					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0						240,000	800,000	0	1,725,000	2,418,150
City		0	0	8,000	40,000	25,000					
Contracted		0	0	685,150	360,000	260,000					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$0	\$719,352	\$400,000	\$300,000	\$300,000	\$800,000	\$0	\$1,800,000	\$2,519,352

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: TRYON CREEK INFILTRATION & INFLOW ABATEMENT

Project Ranking: 1

Project Identification Number: 4827

System: SEWAGE

Program: MAINTENANCE & RELIABILITY

Objectives:

- Maintenance/Repair
- Replacement
- Mandated
- Expansion
- Efficiency

X

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Sewer Construction Fund	\$72,709	\$809,933	\$177,637	\$100,000	\$100,000	\$300,000	\$100,000	\$100,000	\$100,000	\$700,000	\$1,050,346
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$72,709	\$809,933	\$177,637	\$100,000	\$100,000	\$300,000	\$100,000	\$100,000	\$100,000	\$700,000	\$1,050,346

Costs/Schedule:	Prior Yrs	Budget	Actual	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
Planning	\$0	\$100	\$2,243	\$200	\$0	\$0	\$0	\$0	\$0	\$0	\$2,443
Design/Project Management	10,906						100,000	0	0	200,000	343,666
City		26,687	27,367	5,369	5,000	0					
Contracted		105,000	5,593	94,431	95,000	0					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	61,803							100,000	100,000	500,000	1,204,237
City		44,157	11,847	0	0	20,000					
Contracted		633,989	130,587	0	0	280,000					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$72,709	\$809,933	\$177,637	\$100,000	\$100,000	\$300,000	\$100,000	\$100,000	\$100,000	\$700,000	\$1,550,346

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: ALDER BASIN RELIEF & RECONSTRUCTION

Project Ranking: 1

Project Identification Number: 4983

System: SEWAGE

Program: MAINTENANCE & RELIABILITY

Objectives:

Maintenance/Repair	
Replacement	X
Mandated	
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$359,529	\$293,874	\$279,054	\$2,996,956	\$1,350,000	\$0	\$3,800,000	\$3,000,000	\$2,600,000	\$10,750,000	$23,735,539
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$359,529	\$293,874	\$279,054	\$2,996,956	\$1,350,000	\$0	\$3,800,000	\$3,000,000	\$2,600,000	\$10,750,000	\$23,735,539

Costs/Schedule:

Planning	\$0	\$2,500	\$253,552	\$100	\$0	\$0	\$0	\$0	\$0	\$0	\$253,652
Design/Project Management	359,529						250,000	350,000	0	950,000	1,351,362
City		151,374	19,401	16,833	20,000	0					
Contracted		140,000	599	5,000	330,000	0					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0						3,550,000	2,650,000	2,600,000	9,800,000	22,130,525
City		0	2,541	79,585	100,000	0					
Contracted		0	2,961	2,895,438	900,000	0					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$359,529	\$293,874	\$279,054	\$2,996,956	\$1,350,000	\$0	\$3,800,000	\$3,000,000	\$2,600,000	\$10,750,000	\$23,735,539

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$775	\$775	\$2,730	\$4,103	\$8,383	\$8,383
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: PUMP STATION IMPROVEMENT PROGRAM

Project Ranking: 1

Project Identification Number: 4661

System: SEWAGE

Program: MAINTENANCE & RELIABILITY

Objectives:

Maintenance/Repair	X
Replacement	
Mandated	
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year			5 YEAR			TOTAL	
				FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Sewer Construction Fund	\$1,384,982	\$2,370,000	\$2,338,495	\$500,000	\$1,300,000	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$11,300,000	\$25,523,477
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$1,384,982	\$2,370,000	\$2,338,495	\$500,000	\$1,300,000	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$11,300,000	\$25,523,477

Costs/Schedule:

Planning	\$0	\$4,500	\$82,993	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$82,993
Design/Project Management	138,498						548,000	548,000	548,000	2,857,750	3,296,853
City		180,310	23,427	118,953	140,000	83,000					
Contracted		121,000	98,225	60,000	610,000	380,750					
Site Acquisition	1,246,484	0	0	0	0	0	0	0	0	0	1,246,484
Construction	0						1,952,000	1,952,000	1,952,000	7,442,250	19,872,147
City		39,953	55,390	71,377	50,000	124,500					
Contracted		1,999,237	2,078,460	224,670	0	1,411,750					
Major Equipment	0	25,000	0	25,000	500,000	500,000		0	0	1,000,000	1,025,000
Total Annual Costs	\$1,384,982	\$2,370,000	\$2,338,495	\$500,000	\$1,300,000	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$11,300,000	\$25,523,477

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: FANNO CREEK PUMP STATION AND PRESSURE LINE

Project Ranking: 1

Project Identification Number: 5091

System: Sewage

Program: MAINTENANCE & RELIABILITY

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR		TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Sewer Construction Fund	\$0	\$100,000	\$29,156	\$56,998	\$410,000	\$25,000	\$0	\$0	\$0	\$435,000	\$521,154
Grants	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$100,000	\$29,156	\$56,998	\$410,000	\$25,000	\$0	\$0	\$0	\$435,000	\$521,154

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year					5 YEAR		TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Planning	\$0	\$0	\$10,721	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,721
Design/Project Management	0	0	0	0	0	0	0	0	0	10,000	59,193
City		50,060	1,082	48,111	10,000	0					
Contracted		49,940	0	0	0	0					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	425,000	451,240
City		0	4,985	8,887	0	0					
Contracted		0	12,368	0	400,000	25,000					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$100,000	\$29,156	\$56,998	\$410,000	\$25,000	\$0	\$0	\$0	\$435,000	\$521,154

Estimated Additional Operating/Maintenance Costs	\$0	\$0	0	0	0	0	0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$300,000	\$300,000

PROJECT DETAIL

Project Title: SEDIMENT PROCESSING & RECYCLING FACILITIES

Project Ranking: 3

Project Identification Number: 5236

System: SEWAGE

Program: MAINTENANCE & RELIABILITY

Objectives:

Maintenance/Repair	X
Replacement	
Mandated	
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$200,000	\$500,000	\$0	\$0	\$0	\$700,000
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$200,000	\$500,000	\$0	\$0	\$0	\$700,000	\$700,000

Costs/Schedule:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0	0	0	55,000	55,000
City	0	0	0	0	0	5,000	0	0	0	5,000	5,000
Contracted	0	0	0	0	0	50,000	0	0	0	50,000	50,000
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	645,000	645,000
City	0	0	0	0	20,000	45,000	0	0	0	65,000	65,000
Contracted	0	0	0	0	180,000	400,000	0	0	0	580,000	580,000
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$0	\$0	\$200,000	\$500,000	\$0	\$0	\$0	\$700,000	\$700,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$7,500	\$15,000	\$15,000	\$15,000	\$52,500	\$52,500
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: SE MILL ST EXT: 52ND TO 56TH SEWER RECONSTRUCTION

Project Ranking: 4

Project Identification Number: NEW

System: SEWAGE

Program: MAINTENANCE & RELIABILITY

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$300,000	\$0	\$0	\$0	\$0	\$300,000	$300,000
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$300,000	\$0	\$0	\$0	\$0	\$300,000	\$300,000

Costs/Schedule:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0	0	0	15,000	15,000
City		0	0	0	15,000	0					
Contracted		0	0	0	0	0					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	285,000	285,000
City		0	0	0	25,000	0					
Contracted		0	0	0	260,000	0					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$0	\$0	\$300,000	\$0	\$0	\$0	\$0	\$300,000	\$300,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **SE 32ND PL/SHERMAN SEWER RECONSTRUCTION**

Project Ranking: **4**

Project Identification Number: **5199**

System: **SEWAGE**

Program: **MAINTENANCE & RELIABILITY**

Objectives:

Maintenance/Repair

Replacement

Mandated

Expansion

Efficiency

X

Funding Sources:	Prior Yrs	Budget	Actual	Current Year							5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST	
Sewer Construction Fund	\$0	\$0	\$0	\$0	\$141,500	\$0	\$0	\$0	\$0	\$0	\$141,500	\$141,500
Grants	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$141,500	\$0	\$0	\$0	\$0	\$0	\$141,500	\$141,500

Costs/Schedule:												
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						0	0	0	0	7,000	7,000
City		0	0	0	7,000	0						
Contracted		0	0	0	0	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	0
Construction	0						0	0	0	0	134,500	134,500
City		0	0	0	14,500	0						
Contracted		0	0	0	120,000	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$0	\$0	\$141,500	\$0	\$0	\$0	\$0	\$0	\$141,500	\$141,500

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: SE 60TH: ALDER TO STARK SEWER RECONSTRUCTION

Project Ranking: 4

Project Identification Number: NEW

System: SEWAGE

Program: MAINTENANCE & RELIABILITY

Objectives:

Maintenance/Repair

Replacement

Mandated

Expansion

Efficiency

X

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Sewer Construction Fund	\$0	\$0	\$0	\$0	\$175,000	\$0	\$0	\$0	\$0	\$175,000	\$175,000
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$175,000	\$0	\$0	\$0	\$0	\$175,000	\$175,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0	0	0	11,000	11,000
City		0	0	0	7,000	0					
Contracted		0	0	0	4,000	0					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	164,000	164,000
City		0	0	0	14,000	0					
Contracted		0	0	0	150,000	0					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$0	\$0	\$175,000	\$0	\$0	\$0	\$0	\$175,000	\$175,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$85	\$0	\$0	\$0	\$85	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: BEAUMONT SEWER RECONSTRUCTION

Project Ranking: 4

Project Identification Number: NEW

System: SEWAGE

Program: MAINTENANCE & RELIABILITY

Objectives:

Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$175,000	\$0	\$0	\$0	\$0	\$175,000	$175,000
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$175,000	\$0	\$0	\$0	\$0	\$175,000	\$175,000

Costs/Schedule:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0	0	0	13,000	13,000
City		0	0	0	9,000	0					
Contracted		0	0	0	4,000	0					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	162,000	162,000
City		0	0	0	17,000	0					
Contracted		0	0	0	145,000	0					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$0	\$0	\$175,000	\$0	\$0	\$0	\$0	\$175,000	\$175,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: NE KNOTT: 37TH TO 39TH SEWER RECONSTRUCTION

Project Ranking: 4

Project Identification Number: NEW

System: SEWAGE

Program: MAINTENANCE & RELIABILITY

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Sewer Construction Fund	\$0	\$0	\$0	\$0	\$260,000	\$0	\$0	\$0	\$0	\$260,000	\$260,000
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$260,000	\$0	\$0	\$0	\$0	\$260,000	\$260,000

Costs/Schedule:											
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						0	0	0	17,000	17,000
City		0	0	0	13,000	0					
Contracted		0	0	0	4,000	0					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0						0	0	0	243,000	243,000
City		0	0	0	23,000	0					
Contracted		0	0	0	220,000	0					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$0	\$0	\$260,000	\$0	\$0	\$0	\$0	\$260,000	\$260,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: PUMP STATION CONTROLLER UPGRADES

Project Ranking: 5

Project Identification Number: NEW

System: SEWAGE

Program: MAINTENANCE & RELIABILITY

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$230,000	\$100,000	\$0	\$0	\$0	\$330,000
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$230,000	\$100,000	\$0	\$0	\$0	\$330,000	\$330,000

Costs/Schedule:											
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						0	0	0	45,000	45,000
City		0	0	0	30,000	15,000					
Contracted		0	0	0	0	0					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0						0	0	0	285,000	285,000
City		0	0	0	0	0					
Contracted		0	0	0	200,000	85,000					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$0	\$0	\$230,000	\$100,000	\$0	\$0	\$0	\$330,000	\$330,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: WHEELER BASIN RELIEF PHASE 2 UNIT 2

Project Ranking: 6

Project Identification Number: NEW

System: SEWAGE

Program: MAINTENANCE & RELIABILITY

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Punding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 02-03	FY 02-03	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	TOTAL	PROJECT COST
Sewer Construction Fund	\$0	\$0	\$0	\$0	\$1,080,000	\$0	\$600,000	\$1,700,000	\$1,300,000	\$4,680,000	\$4,680,000
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$1,080,000	\$0	\$600,000	\$1,700,000	\$1,300,000	\$4,680,000	\$4,680,000

Costs/Schedule:											
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						0	0	0	0	0
City		0	0	0	0	0					
Contracted		0	0	0	0	0					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0						600,000	1,700,000	1,300,000	4,680,000	4,680,000
City		0	0	0	95,000	0					
Contracted		0	0	0	985,000	0					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$0	\$0	\$1,080,000	\$0	\$600,000	\$1,700,000	\$1,300,000	\$4,680,000	\$4,680,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: SULLIVAN PUMP STATION NOISE PROBLEM

Project Ranking: 16

Project Identification Number: NEW

System: SEWAGE

Program: MAINTENANCE & RELIABILITY

Objectives:

Maintenance/Repair	X
Replacement	
Mandated	
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$100,000	\$0	\$0	\$0	\$0	\$100,000	$100,000
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$100,000	\$0	\$0	\$0	\$0	\$100,000	\$100,000

Costs/Schedule:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						0	0	0	25,000	25,000
City		0	0	0	10,000	0					
Contracted		0	0	0	15,000	0					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0						0	0	0	75,000	75,000
City		0	0	0	0	0					
Contracted		0	0	0	75,000	0					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$0	\$0	\$100,000	\$0	\$0	\$0	\$0	\$100,000	\$100,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: PORTLAND INTERNATIONAL RACEWAY PUMP STATION

Project Ranking: 17

Project Identification Number: NEW

System: SEWAGE

Program: MAINTENANCE & RELIABILITY

Objectives:

Maintenance/Repair	
Replacement	
Mandated	
Expansion	X
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Sewer Construction Fund	\$0	\$0	\$0	\$0	\$200,000	\$0	\$0	\$0	\$0	\$200,000	\$200,000
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$200,000	\$0	\$0	\$0	\$0	\$200,000	\$200,000

Costs/Schedule:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0	0	0	25,000	25,000
City	0	0	0	0	25,000	0	0	0	0	25,000	25,000
Contracted	0	0	0	0	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	175,000	175,000
City	0	0	0	0	25,000	0	0	0	0	25,000	25,000
Contracted	0	0	0	0	150,000	0	0	0	0	150,000	150,000
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$0	\$0	\$200,000	\$0	\$0	\$0	\$0	\$200,000	\$200,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: *INVERNESS BASIN SANITARY RELIEF*

Project Ranking: *19*

Project Identification Number: *NEW*

System: *SEWAGE*

Program: *MAINTENANCE & RELIABILITY*

Objectives:

<i>Maintenance/Repair</i>	
<i>Replacement</i>	X
<i>Mandated</i>	
<i>Expansion</i>	
<i>Efficiency</i>	

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$0	\$5,000	\$0	\$0	\$150,000	\$155,000	$1,835,000
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$5,000	\$0	\$0	\$150,000	\$155,000	\$1,835,000

Costs/Schedule:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Planning	\$0	\$0	\$0	\$0	\$0	\$5,000	\$0	\$0	\$0	\$5,000	\$5,000
Design/Project Management	0	0	0	0	0	0	0	0	63,000	63,000	63,000
City	0	0	0	0	0	0	0	0	0	0	0
Contracted	0	0	0	0	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	87,000	87,000	1,767,000
City	0	0	0	0	0	0	0	0	0	0	0
Contracted	0	0	0	0	0	0	0	0	0	0	0
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$0	\$0	\$0	\$5,000	\$0	\$0	\$150,000	\$155,000	\$1,835,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: **NE SANDY BLVD. SANITARY TRUNK SEWER RELIEF**

Project Ranking: **19**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **MAINTENANCE & RELIABILITY**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	
Expansion	X
Efficiency	

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR		TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Sewer Construction Fund	\$0	\$0	\$0	\$0	\$0	\$42,000	\$840,000	\$0	\$0	\$882,000	\$882,000
Grants	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$42,000	\$840,000	\$0	\$0	\$882,000	\$882,000

Costs/Schedule:

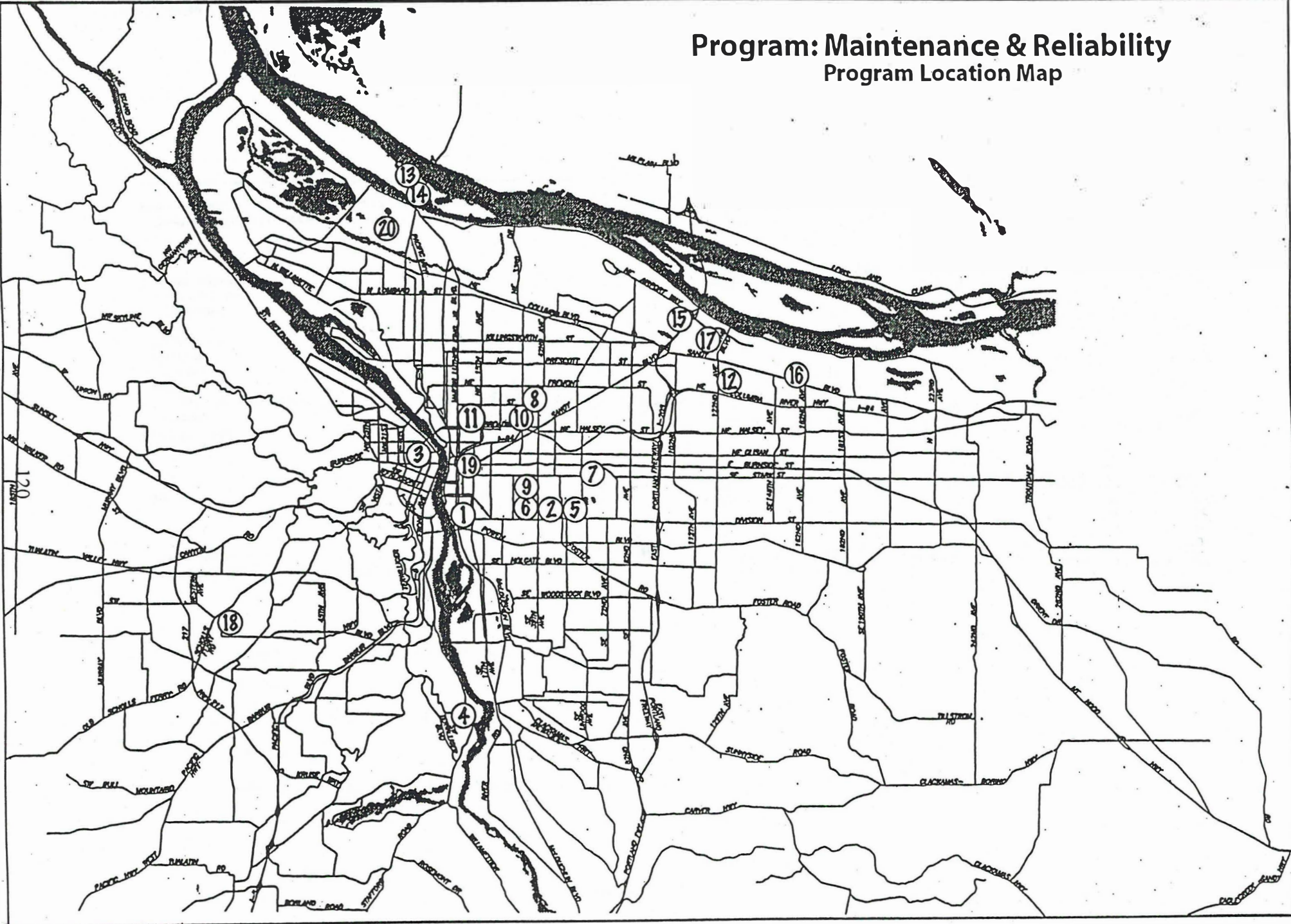
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						0	0	0	42,000	42,000
City		0	0	0	0	40,000					
Contracted		0	0	0	0	2,000					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0						840,000	0	0	840,000	840,000
City		0	0	0	0	0					
Contracted		0	0	0	0	0					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$0	\$0	\$0	\$42,000	\$840,000	\$0	\$0	\$882,000	\$882,000

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$1,000	\$1,000	\$2,000	\$2,000
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Program: Maintenance & Reliability

Program Location Map



**Program:
Maintenance & Reliability
Program Location Legend**

- ① S.E. Division: 3rd to 10th Sewer
- ② S.E. Sherman: 39th to 45th
- ③ N.W. CBD Sewer Reconstruction
- ④ Tryon Creek I & I Abatement
- ⑤ S.E. Mill: 52nd to 56th Extension
- ⑥ S.E. 32nd Pl. & Sherman Sewer
- ⑦ S.E. 60th: Alder to Stark Sewer
- ⑧ Beaumont Sewer Reconstruction
- ⑨ Alder Basin Relief & Reconstruction
- ⑩ N.E. Knott: 37th to 39th Sewer
- ⑪ Wheeler Basin Relief Ph. 2, Unit 2
- ⑫ Inverness Basin Sanitary Relief
- ⑬ Hayden Island Sanitary Sewer
- ⑭ Hayden Island Storm System
- ⑮ Inverness Pressure Line Corrosion
- ⑯ N.E. Sandy Blvd. Sanitary Relief
- ⑰ Sediment Processing & Recycling
- ⑱ Fanno Creek Pump Station
- ⑲ Sullivan Noise Problem
- ⑳ PIR Pump Station

PROJECT DETAIL

Project Title: **BALCH CREEK**

Project Ranking: **1**

Project Identification Number: **4885, 5177**

System: **SEWAGE**

Program: **DRAINAGE & STORMWATER QUALITY**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	X
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$67,455	\$271,000	\$348,843	\$500,000	\$848,410	\$844,678	\$464,000	\$76,200	\$78,510	\$2,311,798	$3,526,602
Grants	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$67,455	\$271,000	\$348,843	\$500,000	\$848,410	\$844,678	\$464,000	\$76,200	\$78,510	\$2,311,798	\$3,526,602

Costs/Schedule:

	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Planning	\$67,455	\$271,000	\$293,334	\$60,000	\$259,730	\$129,864	\$84,000	\$76,200	\$78,510	\$628,304	\$1,299,093
Design/Project Management	0						0	0	0	451,495	\$539,344
City		0	1,299	0	281,680	169,814					
Contracted		0	0	38,045	0	0					
Site Acquisition	0	0	54,210	35,000	50,000	25,000	0	0	0	75,000	\$164,210
Construction	0						380,000	0	0	907,000	\$1,273,955
City		0	0	54,464	0	0					
Contracted		0	0	312,491	257,000	270,000					
Major Equipment	0	0	0	0	0	250,000	0	0	0	250,000	\$250,000
Total Annual Costs	\$67,455	\$271,000	\$348,843	\$500,000	\$848,410	\$844,678	\$464,000	\$76,200	\$78,510	\$2,311,798	\$3,526,602

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$12,000	\$10,000	\$10,000	\$10,000	\$42,000	\$42,000
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **COLUMBIA SLOUGH**

Project Ranking: **1**

Project Identification Number: **4970, 5187**

System: **SEWAGE**

Program: **DRAINAGE & STORMWATER QUALITY**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$2,166,341	\$805,000	\$461,178	\$2,152,900	\$1,110,000	\$2,008,500	\$1,388,500	\$1,278,500	\$877,500	\$6,663,000	$19,143,419
Grants	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$2,166,341	\$805,000	\$461,178	\$2,152,900	\$1,110,000	\$2,008,500	\$1,388,500	\$1,278,500	\$877,500	\$6,663,000	\$19,143,419

Costs/Schedule:

Planning	\$2,166,341	\$805,000	\$460,926	\$482,900	\$440,000	\$450,000	\$370,000	\$300,000	\$290,000	\$1,850,000	\$5,160,167
Design/Project Management	0						71,000	31,000	0	293,000	\$833,252
City		0	252	40,000	120,000	71,000					
Contracted		0	0	0	0	0					
Site Acquisition	0	0	0	1,250,000	500,000	500,000	500,000	500,000	500,000	2,500,000	\$3,750,000
Construction	0						447,500	447,500	87,500	1,970,000	\$9,350,000
City		0	0	0	0	0					
Contracted		0	0	380,000	0	987,500					
Major Equipment	0	0	0	0	50,000	0	0	0	0	50,000	\$50,000
Total Annual Costs	\$2,166,341	\$805,000	\$461,178	\$2,152,900	\$1,110,000	\$2,008,500	\$1,388,500	\$1,278,500	\$877,500	\$6,663,000	\$19,143,419

Estimated Additional Operating/Maintenance Costs

\$0	\$10,000	\$15,000	\$30,000	\$30,000	\$30,000	\$115,000	\$115,000
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Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project Title: **COLUMBIA SLOUGH SEDIMENT EVALUATION/REMEDATION**

Project Ranking: **1**

Project Identification Number: **4815**

System: **SEWAGE**

Program: **DRAINAGE & STORMWATER QUALITY**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Sewer Construction Fund	\$178,076	\$0	\$0	\$0	\$1,161,000	\$793,000	\$1,167,500	\$1,118,000	\$1,622,500	\$5,862,000	\$14,440,076
Grants	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$178,076	\$0	\$0	\$0	\$1,161,000	\$793,000	\$1,167,500	\$1,118,000	\$1,622,500	\$5,862,000	\$14,440,076

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
Planning	\$178,076	\$0	\$0	\$0	\$924,000	\$443,000	\$291,000	\$255,000	\$218,000	\$2,131,000	\$2,709,076
Design/Project Management	0	0	0	0	0	0	211,500	213,000	254,500	1,071,000	\$2,071,000
City	0	0	0	0	192,000	200,000	0	0	0	0	0
Contracted	0	0	0	0	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0	0	0	0	0	0	665,000	650,000	1,150,000	2,660,000	\$9,660,000
City	0	0	0	0	0	0	0	0	0	0	0
Contracted	0	0	0	0	45,000	150,000	0	0	0	0	0
Major Equipment	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$178,076	\$0	\$0	\$0	\$1,161,000	\$793,000	\$1,167,500	\$1,118,000	\$1,622,500	\$5,862,000	\$14,440,076

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **FANNO CREEK**

Project Ranking: **1**

Project Identification Number: **4073, 4597**

System: **SEWAGE**

Program: **DRAINAGE & STORMWATER QUALITY**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	X
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Sewer Construction Fund	\$1,076,720	\$766,102	\$397,555	\$870,000	\$1,080,500	\$425,300	\$413,300	\$452,400	\$431,500	\$2,803,000	\$5,297,275
Grants	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$1,076,720	\$766,102	\$397,555	\$870,000	\$1,080,500	\$425,300	\$413,300	\$452,400	\$431,500	\$2,803,000	\$5,297,275

Costs/Schedule:

	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
Planning	\$397,630	\$285,350	\$182,543	\$250,000	\$305,500	\$275,300	\$278,300	\$242,400	\$211,500	\$1,313,000	\$2,243,173
Design/Project Management	679,090						20,000	25,000	20,000	140,000	\$1,152,237
City		128,835	138,028	66,500	50,000	25,000					
Contracted		18,000	45,119	33,500	0	0					
Site Acquisition	0	0	0	75,000	75,000	25,000	25,000	25,000	10,000	160,000	\$235,000
Construction	0						90,000	160,000	190,000	1,190,000	\$1,666,865
City		53,489	23,911	0	0	0					
Contracted		235,428	7,954	445,000	650,000	100,000					
Major Equipment	0	45,000	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$1,076,720	\$766,102	\$397,555	\$870,000	\$1,080,500	\$425,300	\$413,300	\$452,400	\$431,500	\$2,803,000	\$5,297,275

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **JOHNSON CREEK**

Project Ranking: **1**

Project Identification Number: **4567, 5185**

System: **SEWAGE**

Program: **DRAINAGE & STORMWATER QUALITY**

Objectives:

Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Sewer Construction Fund	\$2,443,754	\$899,000	\$1,111,859	\$1,850,000	\$1,723,000	\$1,970,000	\$758,500	\$573,800	\$303,800	\$5,329,100	\$16,334,713
Grants	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$2,443,754	\$899,000	\$1,111,859	\$1,850,000	\$1,723,000	\$1,970,000	\$758,500	\$573,800	\$303,800	\$5,329,100	\$16,334,713

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Planning	\$2,443,754	\$899,000	\$582,131	\$975,000	\$461,000	\$288,000	\$258,500	\$223,800	\$203,800	\$1,435,100	\$5,935,985
Design/Project Management	0	0	0	0	0	0	0	0	0	364,000	\$702,980
City	0	0	80	123,400	182,000	182,000	0	0	0	0	0
Contracted	0	0	0	115,500	0	0	0	0	0	0	0
Site Acquisition	0	0	529,648	315,000	500,000	500,000	500,000	350,000	100,000	1,950,000	\$2,794,648
Construction	0	0	0	0	0	0	0	0	0	1,580,000	\$6,901,100
City	0	0	0	6,115	0	0	0	0	0	0	0
Contracted	0	0	0	314,985	580,000	1,000,000	0	0	0	0	0
Major Equipment	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$2,443,754	\$899,000	\$1,111,859	\$1,850,000	\$1,723,000	\$1,970,000	\$758,500	\$573,800	\$303,800	\$5,329,100	\$16,334,713

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: **STORMWATER PROGRAM DEVELOPMENT**

Project Ranking: **1**

Project Identification Number: **MANY**

System: **SEWAGE**

Program: **DRAINAGE & STORMWATER QUALITY**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$1,972,833	\$872,024	\$791,715	\$753,090	\$200,000	\$475,000	\$325,000	\$25,000	\$25,000	\$1,050,000	$5,267,638
Grants	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$1,972,833	\$872,024	\$791,715	\$753,090	\$200,000	\$475,000	\$325,000	\$25,000	\$25,000	\$1,050,000	\$5,267,638

Costs/Schedule:

Planning	\$1,972,833	\$872,024	\$791,715	\$753,090	\$100,000	\$75,000	\$25,000	\$25,000	\$25,000	\$25,000	\$3,867,638
Design/Project Management	0						0	0	0	190,000	\$290,000
City		0	0	0	90,000	100,000					
Contracted		0	0	0	0	0					
Site Acquisition	0	0	0	0	0	0		0	0	0	\$0
Construction	0						300,000	0	0	590,000	\$1,090,000
City		0	0	0	0	0					
Contracted		0	0	0	0	290,000					
Major Equipment	0	0	0	0	10,000	10,000	0	0	0	20,000	\$20,000
Total Annual Costs	\$1,972,833	\$872,024	\$791,715	\$753,090	\$200,000	\$475,000	\$325,000	\$25,000	\$25,000	\$1,050,000	\$5,267,638

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$5,000	\$5,000	\$5,000
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: DRAINAGE IMPROVEMENT PROGRAM

Project Ranking: 1

Project Identification Number: 4894

System: SEWAGE

Program: DRAINAGE & STORMWATER QUALITY

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Sewer Construction Fund	\$362,204	\$589,000	\$747,145	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,500,000	\$6,609,349
Grants	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$362,204	\$589,000	\$747,145	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,500,000	\$6,609,349

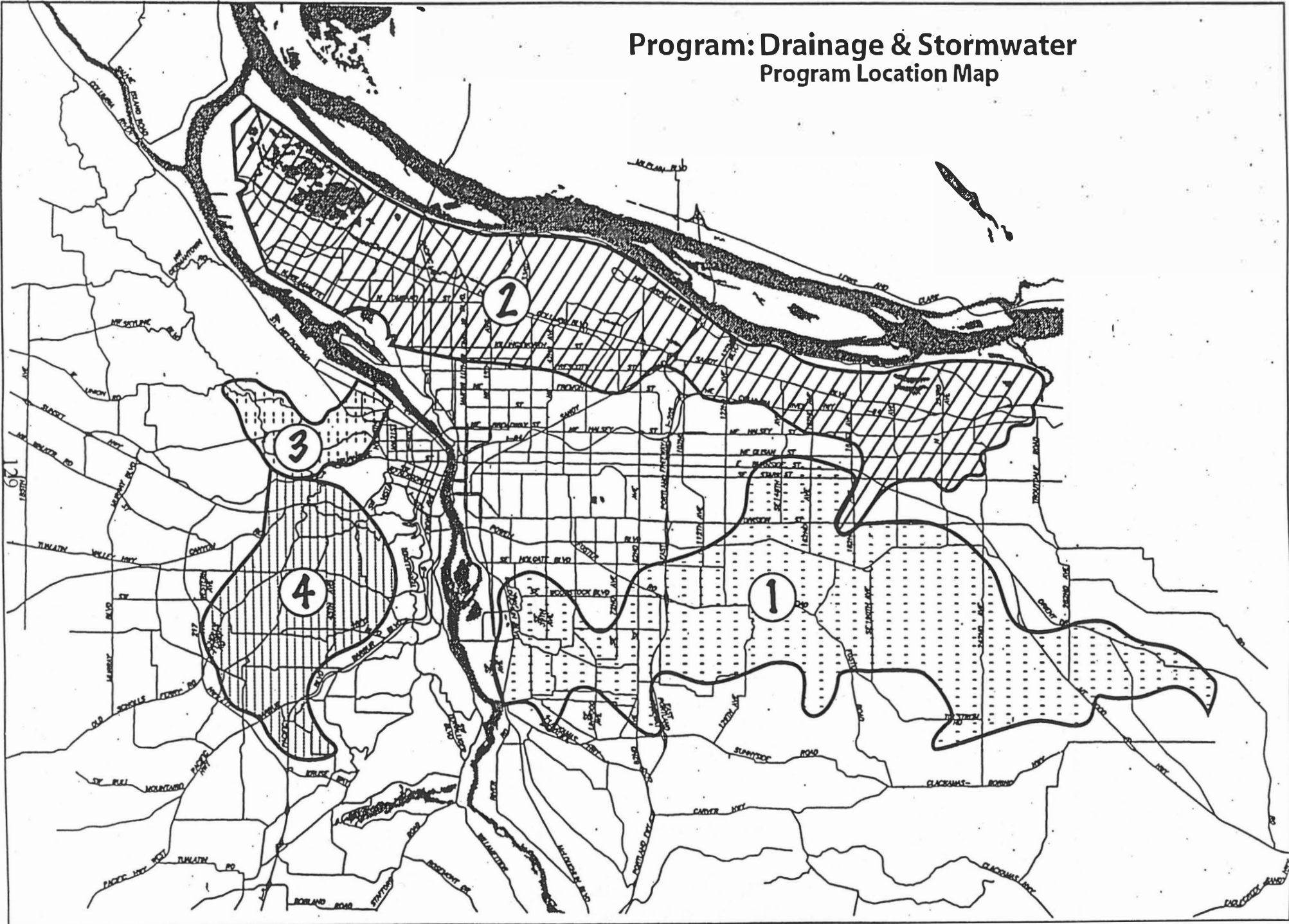
Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	39,082						22,900	22,900	22,900	114,500	\$472,905
City		90,386	142,819	22,900	22,900	22,900					
Contracted		80,000	39,104	0	0	0					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	\$0
Construction	323,122						477,100	477,100	477,100	2,385,500	\$6,136,444
City		4,196	27,298	477,100	0	0					
Contracted		414,418	537,924	0	477,100	477,100					
Major Equipment	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$362,204	\$589,000	\$747,145	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,500,000	\$6,609,349

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$1,000	\$1,000	\$1,000	\$1,000	\$4,000	\$4,000
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Program: Drainage & Stormwater Program Location Map



**Program:
Drainage & Stormwater
Program Location Legend**

① Johnson Creek Watershed

② Columbia Slough Watershed

③ Balch Creek Watershed

④ Fanno Creek Watershed

PROJECT DETAIL

Project Title: **ST. JOHNS "A" CSO PROJECT**

Project Ranking: **1**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **COMBINED SEWER OVERFLOW**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Sewer Construction Fund	\$0	\$0	\$0	\$0	\$2,000,000	\$2,900,000	\$0	\$0	\$0	\$4,900,000	\$4,900,000
Grants	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$2,000,000	\$2,900,000	\$0	\$0	\$0	\$4,900,000	\$4,900,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
Planning	\$0	\$0	\$0	\$0	\$3,481	\$2,692	\$0	\$0	\$0	\$6,173	\$6,173
Design/Project Management	0	0	0	0	0	0	0	0	0	43,290	43,290
City		0	0	0	7,253	8,074					
Contracted		0	0	0	14,505	13,458					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	4,850,537	4,850,537
City		0	0	0	81,230	322,981					
Contracted		0	0	0	1,893,531	2,552,795					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$0	\$0	\$2,000,000	\$2,900,000	\$0	\$0	\$0	\$4,900,000	\$4,900,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$5,000	\$5,000	\$10,000	\$10,000
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: ST. JOHNS "B" : SOUTH LOCAL SEPARATION

Project Ranking: 1

Project Identification Number: 5147

System: SEWAGE

Program: COMBINED SEWER OVERFLOW

Objectives:

Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Sewer Construction Fund	\$0	\$0	\$29,198	\$0	\$3,170,700	\$0	\$0	\$0	\$0	\$3,170,700	\$3,199,898
Grants	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$29,198	\$0	\$3,170,700	\$0	\$0	\$0	\$0	\$3,170,700	\$3,199,898

Costs/Schedule:

Planning	\$0	\$0	\$29,198	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$29,198
Design/Project Management	0	0	0	0	0	0	0	0	0	0	\$0
City		0	0	0	0	0	0	0	0	0	
Contracted		0	0	0	0	0	0	0	0	0	
Site Acquisition	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0	0	0	0	0	0	0	0	0	3,170,700	\$3,170,700
City		0	0	0	208,700	0	0	0	0	0	
Contracted		0	0	0	2,962,000	0	0	0	0	0	
Major Equipment	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$29,198	\$0	\$3,170,700	\$0	\$0	\$0	\$0	\$3,170,700	\$3,199,898

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$5,000	\$5,000	\$5,000	\$5,000	\$20,000	\$20,000
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **ST. JOHNS "B" : NORTH LOCAL SEPARATION**

Project Ranking: **1**

Project Identification Number: **5154**

System: **SEWAGE**

Program: **COMBINED SEWER OVERFLOW**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$0	\$0	\$12,121	\$0	\$2,763,500	\$0	\$0	\$0	\$0	\$2,763,500	$2,775,621
Grants	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$12,121	\$0	\$2,763,500	\$0	\$0	\$0	\$0	\$2,763,500	\$2,775,621

Costs/Schedule:

Planning	\$0	\$0	\$12,121	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,121
Design/Project Management	0						0	0	0	0	\$0
City		0	0	0	0	0					
Contracted		0	0	0	0	0					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0						0	0	0	2,763,500	\$2,763,500
City		0	0	0	298,500	0					
Contracted		0	0	0	2,465,000	0					
Major Equipment	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$12,121	\$0	\$2,763,500	\$0	\$0	\$0	\$0	\$2,763,500	\$2,775,621

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$5,000	\$5,000	\$5,000	\$5,000	\$20,000	\$20,000
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **FISKE "B" BASIN: LOCAL SEPARATION**

Project Ranking: **1**

Project Identification Number: **5249**

System: **SEWAGE**

Program: **COMBINED SEWER OVERFLOW**

Objectives:

Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$2,290,000	\$1,000,000	\$0	\$0	\$0	\$3,290,000
Grants	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$2,290,000	\$1,000,000	\$0	\$0	\$0	\$3,290,000	\$3,290,000

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0	0	0	63,967	\$63,967
City	0	0	0	0	57,126	0	0	0	0	0	0
Contracted	0	0	0	0	6,841	0	0	0	0	0	0
Site Acquisition	0	0	0	0	66,704	0	0	0	0	66,704	\$66,704
Construction	0	0	0	0	0	0	0	0	0	3,159,329	\$3,159,329
City	0	0	0	0	196,624	120,000	0	0	0	0	0
Contracted	0	0	0	0	1,962,705	880,000	0	0	0	0	0
Major Equipment	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$2,290,000	\$1,000,000	\$0	\$0	\$0	\$3,290,000	\$3,290,000

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$5,000	\$5,000	\$5,000	\$15,000	\$15,000
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: **RAMSEY LAKE TRUNK STORM SEWER**

Project Ranking: **1**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **COMBINED SEWER OVERFLOW**

Objectives:

Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$2,375,000	\$1,255,000	\$0	\$0	\$0	\$3,630,000
Grants	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$2,375,000	\$1,255,000	\$0	\$0	\$0	\$3,630,000	\$3,630,000

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$3,519	\$4,922	\$0	\$0	\$0	\$8,441	\$8,441
Design/Project Management	0	0	0	0	0	0	0	0	0	23,325	23,325
City	0	0	0	0	13,482	9,843	0	0	0	0	0
Contracted	0	0	0	0	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	3,598,234	3,598,234
City	0	0	0	0	197,333	103,353	0	0	0	0	0
Contracted	0	0	0	0	2,160,666	1,136,882	0	0	0	0	0
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$0	\$0	\$2,375,000	\$1,255,000	\$0	\$0	\$0	\$3,630,000	\$3,630,000

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$1,000	\$1,000	\$2,000	\$2,000
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **TANNER CREEK/NICOLAI BASIN SEWER SEPARATION**

Project Ranking: **1**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **COMBINED SEWER OVERFLOW**

Objectives:

Maintenance/Repair

Replacement

Mandated

Expansion

Efficiency

X

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Sewer Construction Fund	\$0	\$0	\$0	\$0	\$300,000	\$200,000	\$5,000,000	\$6,000,000	\$6,000,000	\$17,500,000	\$24,000,000
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$300,000	\$200,000	\$5,000,000	\$6,000,000	\$6,000,000	\$17,500,000	\$24,000,000

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						350,000	350,000	0	1,145,000	1,145,000
City		0	0	0	10,000	20,000					
Contracted		0	0	0	260,000	155,000					
Site Acquisition	0	0	0	0	30,000	25,000	25,000	0	0	80,000	80,000
Construction	0						4,625,000	5,650,000	6,000,000	16,275,000	22,775,000
City		0	0	0	0	0					
Contracted		0	0	0	0	0					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$0	\$0	\$300,000	\$200,000	\$5,000,000	\$6,000,000	\$6,000,000	\$17,500,000	\$24,000,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$912	\$1,573	\$3,017	\$5,502	\$5,502
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **RAMSEY LAKE STORM WETLANDS**

Project Ranking: **1**

Project Identification Number: **5186**

System: **SEWAGE**

Program: **COMBINED SEWER OVERFLOW**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	X
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Sewer Construction Fund	\$0	\$0	\$252	\$323,000	\$485,000	\$65,000	\$24,000	\$24,000	\$24,000	\$622,000	\$945,252
Grants	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$252	\$323,000	\$485,000	\$65,000	\$24,000	\$24,000	\$24,000	\$622,000	\$945,252

Costs/Schedule:

Planning	\$0	\$0	\$252	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$252
Design/Project Management	0						6,000	6,000	6,000	58,000	\$58,000
City		0	0	44,165	25,000	15,000					
Contracted		0	0	26,000	0	0					
Site Acquisition	0	0	0	48,000	0	0	0	0	0	0	\$48,000
Construction	0						18,000	18,000	18,000	564,000	\$564,000
City		0	0	52,475	0	0					
Contracted		0	0	152,360	460,000	50,000					
Major Equipment	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$252	\$323,000	\$485,000	\$65,000	\$24,000	\$24,000	\$24,000	\$622,000	\$945,252

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **WET WEATHER TREATMENT FACILITY OUTFALL PROJECT**

Project Ranking: **1**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **COMBINED SEWER OVERFLOW**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$920,000	\$2,000,000	\$4,500,000	\$17,000,000	\$18,000,000	\$42,420,000
Grants	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$920,000	\$2,000,000	\$4,500,000	\$17,000,000	\$18,000,000	\$42,420,000	\$42,420,000

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$184,840	\$165,733	\$3,907	\$16,857	\$1,800,000	\$2,171,337	\$2,171,337
Design/Project Management	0						15,070	67,427	0	1,563,457	\$1,563,457
City		0	0	0	735,160	692,049					
Contracted		0	0	0	0	53,751					
Site Acquisition	0	0	0	0	0	447,928	4,481,023	16,915,716	0	21,844,667	\$21,844,667
Construction	0						0	0	16,200,000	16,840,539	\$16,840,539
City		0	0	0	0	47,032					
Contracted		0	0	0	0	593,507					
Major Equipment	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$920,000	\$2,000,000	\$4,500,000	\$17,000,000	\$18,000,000	\$42,420,000	\$42,420,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **CSO WEST SIDE HYDRAULIC ANALYSIS**

Project Ranking: **1**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **COMBINED SEWER OVERFLOW**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$120,000	\$15,000	\$0	\$0	\$0	\$135,000
Grants	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$120,000	\$15,000	\$0	\$0	\$0	\$135,000	\$135,000

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0	0	0	135,000	\$135,000
City	0	0	0	0	12,000	1,500	0	0	0	0	0
Contracted	0	0	0	0	108,000	13,500	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0	0	0	0	0	0	0	0	0	0	\$0
City	0	0	0	0	0	0	0	0	0	0	0
Contracted	0	0	0	0	0	0	0	0	0	0	0
Major Equipment	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$120,000	\$15,000	\$0	\$0	\$0	\$135,000	\$135,000

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **COLUMBIA SLOUGH CONSOLIDATION CONDUIT**

Objectives:

Project Ranking: **1**

Maintenance/Repair

Replacement

Mandated

Expansion

Efficiency

X

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **COMBINED SEWER OVERFLOW**

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$1,000,000	\$2,750,000	\$8,520,000	\$15,200,000	\$30,000,000	\$57,470,000	$88,970,000
Grants	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$1,000,000	\$2,750,000	\$8,520,000	\$15,200,000	\$30,000,000	\$57,470,000	\$88,970,000

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						1,090,496	441,290	0	4,349,583	4,349,583
City		0	0	0	500,000	1,020,913					
Contracted		0	0	0	500,000	796,884					
Site Acquisition	0	0	0	0	0	932,203	592,537	49,033	0	1,573,773	1,573,773
Construction	0						6,836,967	14,709,677	30,000,000	51,546,644	83,046,644
City		0	0	0	0	0					
Contracted		0	0	0	0	0					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$0	\$0	\$1,000,000	\$2,750,000	\$8,520,000	\$15,200,000	\$30,000,000	\$57,470,000	\$88,970,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$74,000	\$74,000	\$74,000
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: STORMWATER INFILTRATION SUMPS

Project Ranking: 1

Project Identification Number: 5083

System: SEWAGE

Program: COMBINED SEWER OVERFLOW

Objectives:

Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$1,407,535	\$3,504,569	\$3,842,332	\$6,600,000	\$6,000,000	\$6,720,000	\$7,210,000	\$7,210,000	\$7,210,000	\$34,350,000	$46,199,867
Grants	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$1,407,535	\$3,504,569	\$3,842,332	\$6,600,000	\$6,000,000	\$6,720,000	\$7,210,000	\$7,210,000	\$7,210,000	\$34,350,000	\$46,199,867

Costs/Schedule:

Planning	\$0	\$5,000	\$33,186	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$33,186
Design/Project Management	61,900						210,000	210,000	210,000	1,050,000	\$1,111,900
City		197,507	120,800	76,881	210,000	210,000					
Contracted		220,000	48,340	0	0	0					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	\$0
Construction	1,345,635						7,000,000	7,000,000	7,000,000	33,300,000	\$34,645,635
City		78,870	1,014,547	73,647	425,000	600,000					
Contracted		3,003,192	2,625,459	6,449,472	5,365,000	5,910,000					
Major Equipment	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$1,407,535	\$3,504,569	\$3,842,332	\$6,600,000	\$6,000,000	\$6,720,000	\$7,210,000	\$7,210,000	\$7,210,000	\$34,350,000	\$46,199,867

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$50,000	\$89,900	\$129,800	\$169,700	\$439,400	\$439,400
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **CSO MANAGEMENT PLAN**

Project Ranking: **1**

Project Identification Number: **4348**

System: **SEWAGE**

Program: **COMBINED SEWER OVERFLOW**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$4,167,669	\$2,549,576	\$3,654,338	\$3,002,895	\$2,000,000	\$2,000,000	\$1,061,381	\$1,685,351	\$2,186,907	\$8,933,639	$29,758,541
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$4,167,669	\$2,549,576	\$3,654,338	\$3,002,895	\$2,000,000	\$2,000,000	\$1,061,381	\$1,685,351	\$2,186,907	\$8,933,639	\$29,758,541

Costs/Schedule:

Planning	\$4,167,669	\$2,549,576	\$3,654,338	\$3,002,895	\$2,000,000	\$2,000,000	\$1,061,381	\$1,685,351	\$2,186,907	\$8,933,639	\$29,758,541
Design/Project Management	0						0	0	0	0	0
City		0	0	0	0	0					
Contracted		0	0	0	0	0					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0						0	0	0	0	0
City		0	0	0	0	0					
Contracted		0	0	0	0	0					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$4,167,669	\$2,549,576	\$3,654,338	\$3,002,895	\$2,000,000	\$2,000,000	\$1,061,381	\$1,685,351	\$2,186,907	\$8,933,639	\$29,758,541

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **DIVERSION RECONSTRUCTION**

Project Ranking: **1**

Project Identification Number: **4539**

System: **SEWAGE**

Program: **COMBINED SEWER OVERFLOW**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$94,052	\$200,000	\$72,332	\$594,962	\$389,000	\$150,000	\$0	\$0	\$0	\$539,000	$1,300,346
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$94,052	\$200,000	\$72,332	\$594,962	\$389,000	\$150,000	\$0	\$0	\$0	\$539,000	\$1,300,346

Costs/Schedule:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Planning	\$0	\$1,000	\$45,443	\$1,000	\$0	\$0	\$0	\$0	\$0	\$0	\$46,443
Design/Project Management	94,052						0	0	0	1,000	205,616
City		13,828	16,574	63,115	1,000	0					
Contracted		0	875	30,000	0	0					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0						0	0	0	538,000	1,048,287
City		78,354	9,440	66,789	28,000	0					
Contracted		106,818	0	434,058	360,000	150,000					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$94,052	\$200,000	\$72,332	\$594,962	\$389,000	\$150,000	\$0	\$0	\$0	\$539,000	\$1,300,346

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: **ROOF DRAIN DISCONNECTION PROGRAM**

Project Ranking: **1**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **COMBINED SEWER OVERFLOW**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	X
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$2,000,000	\$5,000,000	\$6,000,000	\$6,000,000	\$6,000,000	\$25,000,000	$40,000,000
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$2,000,000	\$5,000,000	\$6,000,000	\$6,000,000	\$6,000,000	\$25,000,000	\$40,000,000

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						575,000	622,000	673,000	2,775,750	2,775,750
City		0	0	0	242,000	663,750					
Contracted		0	0	0	0	0					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0						5,425,000	5,378,000	5,327,000	22,224,250	37,224,250
City		0	0	0	427,000	1,671,250					
Contracted		0	0	0	1,331,000	2,665,000					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$0	\$0	\$2,000,000	\$5,000,000	\$6,000,000	\$6,000,000	\$6,000,000	\$25,000,000	\$40,000,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **SEWER LEVEL REMOTE TELEMETERING CALIBRATION**

Project Ranking: **1**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **COMBINED SEWER OVERFLOW**

Objectives:

Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

,
X

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Sewer Construction Fund	\$0	\$0	\$0	\$0	\$200,000	\$300,000	\$0	\$0	\$0	\$500,000	\$500,000
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$200,000	\$300,000	\$0	\$0	\$0	\$500,000	\$500,000

Costs/Schedule:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0	0	0	500,000	500,000
City	0	0	0	0	20,000	30,000	0	0	0	0	0
Contracted	0	0	0	0	180,000	270,000	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
City	0	0	0	0	0	0	0	0	0	0	0
Contracted	0	0	0	0	0	0	0	0	0	0	0
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$0	\$0	\$200,000	\$300,000	\$0	\$0	\$0	\$500,000	\$500,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **SELLWOOD BASIN: LOCAL SEPARATION**

Project Ranking: **1**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **COMBINED SEWER OVERFLOW**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$2,000,000	\$2,500,000	\$1,800,000	\$6,300,000
Grants	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$2,000,000	\$2,500,000	\$1,800,000	\$6,300,000	\$6,300,000

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	135,882	69,444	50,000	272,326	\$272,326
City	0	0	0	0	17,000	0	0	0	0	0	0
Contracted	0	0	0	0	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0	0	0	0	0	0	1,864,118	2,430,556	1,750,000	6,427,674	\$6,427,674
City	0	0	0	0	49,800	0	0	0	0	0	0
Contracted	0	0	0	0	333,200	0	0	0	0	0	0
Major Equipment	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$400,000	\$0	\$2,000,000	\$2,500,000	\$1,800,000	\$6,700,000	\$6,700,000

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$2,000	\$4,000	\$5,500	\$11,500	\$11,500
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **WILLAMETTE SITE ACQUISITION**

Project Ranking: **1**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **COMBINED SEWER OVERFLOW**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Sewer Construction Fund	\$0	\$0	\$0	\$0	\$0	\$2,250,000	\$0	\$0	\$0	\$2,250,000	\$2,250,000
Grants	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$2,250,000	\$0	\$0	\$0	\$2,250,000	\$2,250,000

Costs/Schedule:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0	0	0	150,000	150,000
City		0	0	0	0	50,000					
Contracted		0	0	0	0	100,000					
Site Acquisition	0	0	0	0	0	2,100,000	0	0	0	2,100,000	2,100,000
Construction	0	0	0	0	0	0	0	0	0	0	0
City		0	0	0	0	0					
Contracted		0	0	0	0	0					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$0	\$0	\$0	\$2,250,000	\$0	\$0	\$0	\$2,250,000	\$2,250,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

**Program:
Combined Sewer Overflow
Program Location Legend**

① St. Johns "B" South Separation

② St. Johns "B" North Separation

③ Fiske "B" Basin: Local Separation

④ Sellwood Basin: Local Separation

⑤ Western Half Lents I Separation

⑥ St. Johns "A" CSO Project

⑦ Tanner Creek/Nicolai

⑧ Carolina Basin Stream Diversion

⑨ Woods/Sheridan Stream Diversion

⑩ Oswego CSO Project

⑪ Ramsey Lake Storm Trunk

⑫ Ramsey Lake Storm Wetlands

⑬ Wet Weather Treatment Facility

⑭ Oregonian CSO Project

⑮ CSO West Side Hydraulic Analysis

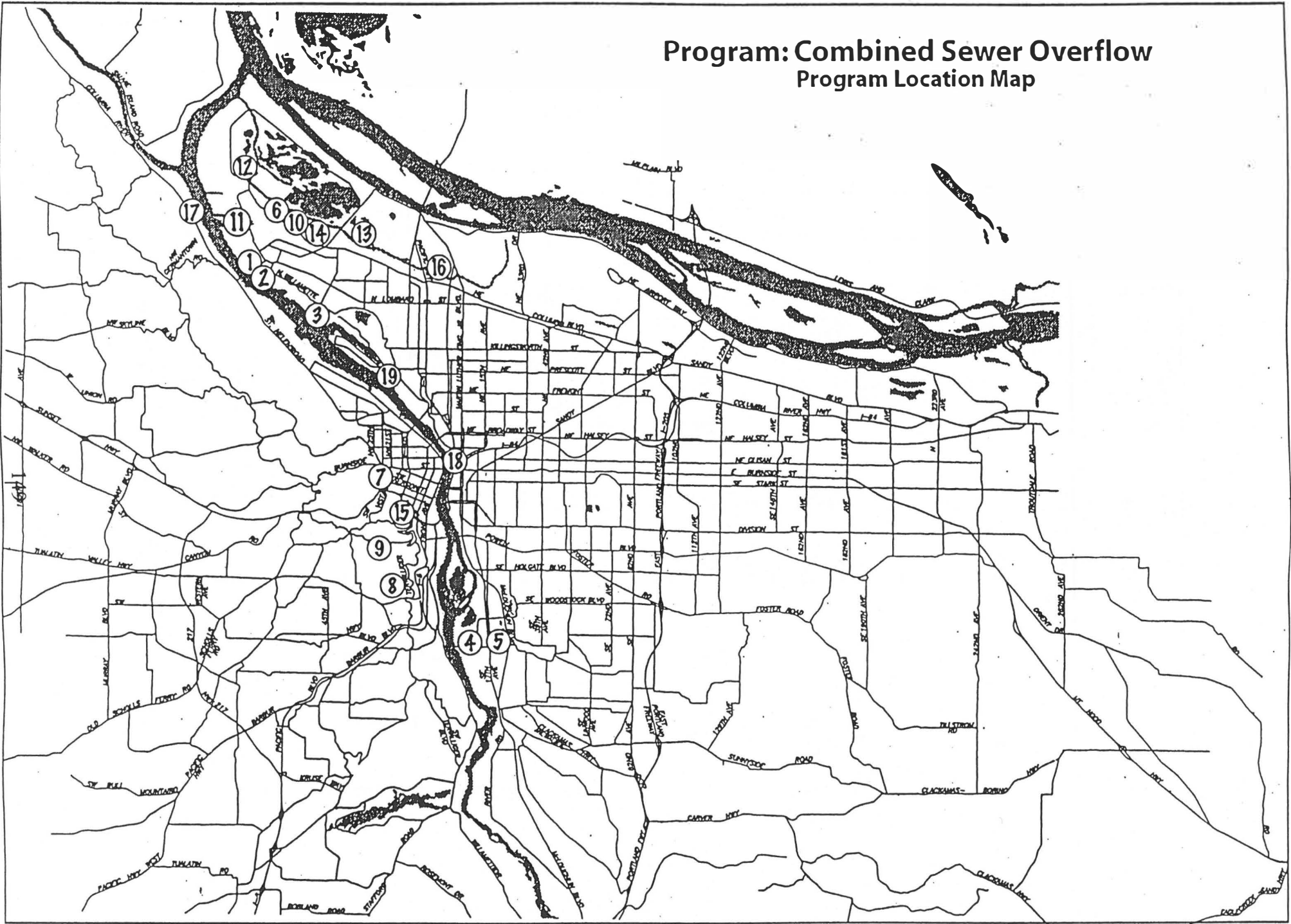
⑯ Columbia Slough Conduit

⑰ N.W. 110th Ave. (Linnton) PS

⑱ Willamette River Facilities Ph. I & II

⑲ Willamette Site Acquisition

Program: Combined Sewer Overflow Program Location Map



PROJECT DETAIL

Project Title: **POLLUTION CONTROL LABORATORY**

Project Ranking: **1**

Project Identification Number: **4618**

System: **SEWAGE**

Program: **SYSTEMS DEVELOPMENT**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	
Expansion	
Efficiency	X

Funding Sources:	Prior Yrs	Budget	Actual	Current Year			5 YEAR			TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	PROJECT COST	
Sewer Construction Fund	\$103,602	\$1,206,450	\$406,735	\$3,200,000	\$3,117,800	\$9,235,000	\$2,500,000	\$0	\$0	\$14,852,800	\$18,563,137
Grants	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$103,602	\$1,206,450	\$406,735	\$3,200,000	\$3,117,800	\$9,235,000	\$2,500,000	\$0	\$0	\$14,852,800	\$18,563,137

Costs/Schedule:

Planning	\$103,602	\$0	\$17,444	\$50,630	\$0	\$0	\$0	\$0	\$0	\$0	\$171,676
Design/Project Management	0									1,423,000	3,000,262
City		94,240	111	77,781	280,000	35,000					
Contracted		0	0	1,499,370	1,058,000	50,000					
Site Acquisition	0	60,000	53,360	0	0	0	0	0	0	0	53,360
Construction	0						2,500,000			13,329,800	15,237,839
City		0	334,473	0	0	0					
Contracted		1,052,210	1,347	1,572,219	1,679,800	9,150,000					
Major Equipment	0	0	0	100,000	0	0	0	0	0	100,000	100,000
Total Annual Costs	\$103,602	\$1,206,450	\$406,735	\$3,200,000	\$3,117,800	\$9,235,000	\$2,500,000	\$0	\$0	\$14,852,800	\$18,563,137

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$162	\$325	\$330	\$340	\$1,157	\$1,157
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

150

PROJECT DETAIL

Project Title: POLLUTION CONTROL LABORATORY EQUIPMENT

Project Ranking: 1

Project Identification Number: 5024

System: SEWAGE

Program: SYSTEMS DEVELOPMENT

Objectives:

Maintenance/Repair	
Replacement	
Mandated	
Expansion	
Efficiency	X

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Sewer Construction Fund	\$0	\$194,000	\$54,288	\$58,000	\$60,800	\$1,600,000	\$0	\$0	\$0	\$1,660,800	\$1,773,088
Grants	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$194,000	\$54,288	\$58,000	\$60,800	\$1,600,000	\$0	\$0	\$0	\$1,660,800	\$1,773,088

Costs/Schedule:											
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0	0	0	0	0
City											
Contracted											
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
City											
Contracted											
Major Equipment	0	194,000	54,288	58,000	60,800	1,600,000	0	0	0	1,660,800	1,773,088
Total Annual Costs	\$0	\$194,000	\$54,288	\$58,000	\$60,800	\$1,600,000	\$0	\$0	\$0	\$1,660,800	\$1,773,088

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

151

PROJECT DETAIL

Project Title: KEY MANHOLE MONITORING STATIONS

Project Ranking: 1

Project Identification Number: 5089

System: SEWAGE

Program: SYSTEMS DEVELOPMENT

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year				5 YEAR			TOTAL
				FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Sewer Construction Fund	\$0	\$63,000	\$43,566	\$56,000	\$26,000	\$0	\$0	\$0	\$0	\$26,000	\$125,566
Grants	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$63,000	\$43,566	\$56,000	\$26,000	\$0	\$0	\$0	\$0	\$26,000	\$125,566

Costs/Schedule:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year				5 YEAR			TOTAL
				FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0	0	0	0	0
City	0	0	0	0	0	0	0	0	0	0	0
Contracted	0	0	0	0	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
City	0	0	0	0	0	0	0	0	0	0	0
Contracted	0	0	0	0	0	0	0	0	0	0	0
Major Equipment	0	63,000	43,566	56,000	26,000	0	0	0	0	26,000	125,566
Total Annual Costs	\$0	\$63,000	\$43,566	\$56,000	\$26,000	\$0	\$0	\$0	\$0	\$26,000	\$125,566

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

152

PROJECT DETAIL

Project Title: **PERMITS**
 Project Ranking: **1**
 Project Identification Number: **5218**
 System: **SEWAGE**
 Program: **SYSTEMS DEVELOPMENT**

Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Sewer Construction Fund	\$0	\$0	\$354,748	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$354,748
Grants	0	0	0	0	0	0	0	0	0	0	\$0
Others	0	0	0	299,998	330,000	363,000	399,300	439,230	479,160	2,010,690	\$5,528,488
Total	\$0	\$0	\$354,748	\$299,998	\$330,000	\$363,000	\$399,300	\$439,230	\$479,160	\$2,010,690	\$5,883,236

Costs/Schedule:											
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						78,545	85,690	93,480	395,715	539,178
City		0	56,759	48,577	66,000	72,000					
Contracted		0	21,285	16,842	0	0					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0						320,755	353,540	385,680	1,614,975	5,344,058
City		0	60,307	51,051	0	0					
Contracted		0	216,397	183,528	264,000	291,000					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$354,748	\$299,998	\$330,000	\$363,000	\$399,300	\$439,230	\$479,160	\$2,010,690	\$5,883,236

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

153

PROJECT DETAIL

Project Title: **PERMIT REIMBURSEMENT PROGRAM**

Project Ranking: **1**

Project Identification Number: **5219**

System: **SEWAGE**

Program: **SYSTEMS DEVELOPMENT**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$0	\$0	\$0	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000	$2,200,000
Grants	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000	\$2,200,000

Costs/Schedule:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0	0	0	0	0
City	0	0	0	0	0	0	0	0	0	0	0
Contracted	0	0	0	0	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	200,000	200,000	200,000	1,000,000	2,200,000
City	0	0	0	0	0	0	0	0	0	0	0
Contracted	0	0	0	200,000	200,000	200,000	0	0	0	0	0
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$0	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000	\$2,200,000

Estimated Additional Operating/Maintenance Costs	\$500	\$500	\$500	\$500	\$500	\$500	\$500	\$500	\$500	\$3,000	\$3,000
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

154

PROJECT DETAIL

Project Title: SANITARY IMPROVEMENT PROGRAM

Project Ranking: 1

Project Identification Number: 4893

System: SEWAGE

Program: SYSTEMS DEVELOPMENT

Objectives:

Maintenance/Repair	
Replacement	X
Mandated	
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Sewer Construction Fund	\$6,140	\$125,000	\$31,097	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000	\$1,687,237
Grants	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$6,140	\$125,000	\$31,097	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000	\$1,687,237

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Planning	\$0	\$1,200	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	6,140						5,000	5,000	5,000	25,000	90,009
City		40,879	30,845	28,024	5,000	5,000					
Contracted		0	0	0	0	0					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0						145,000	145,000	145,000	725,000	1,597,228
City		0	0	0	0	0					
Contracted		82,921	252	121,976	145,000	145,000					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$6,140	\$125,000	\$31,097	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000	\$1,687,237

Estimated Additional Operating/Maintenance Costs	\$0	\$200	\$200	\$200	\$200	\$200	\$1,000	\$1,000
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

155

PROJECT DETAIL

Project Title: SE FOSTER ROAD SANITARY SEWER

Project Ranking: 1

Project Identification Number: 5211

System: SEWAGE

Program: SYSTEMS DEVELOPMENT

Objectives:

Maintenance/Repair	
Replacement	
Mandated	
Expansion	X
Efficiency	

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR		TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST	
Sewer Construction Fund	\$0	\$0	\$0	\$50,002	\$225,700	\$0	\$0	\$0	\$0	\$0	\$225,700	\$275,702
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$50,002	\$225,700	\$0	\$0	\$0	\$0	\$0	\$225,700	\$275,702

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year					5 YEAR		TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0	0	0	14,400	31,400
City	0	0	0	14,500	9,400	0	0	0	0	0	0
Contracted	0	0	0	2,500	5,000	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	211,300	244,302
City	0	0	0	8,000	24,300	0	0	0	0	0	0
Contracted	0	0	0	25,002	187,000	0	0	0	0	0	0
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$0	\$50,002	\$225,700	\$0	\$0	\$0	\$0	\$225,700	\$275,702

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$300	\$300	\$300	\$300	\$1,200	\$1,200
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

156

PROJECT DETAIL

Project Title: NE 148TH SANITARY SEWER SYSTEM

Project Ranking: 1

Project Identification Number: 5195

System: SEWAGE

Program: SYSTEMS DEVELOPMENT

Objectives:

Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$0	\$0	\$584	\$600,000	\$339,400	\$0	\$0	\$0	\$0	\$339,400	$939,984
Grants	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$584	\$600,000	\$339,400	\$0	\$0	\$0	\$0	\$339,400	\$939,984

Costs/Schedule:

Planning	\$0	\$0	\$584	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$584
Design/Project Management	0	0	0	0	0	0	0	0	0	9,000	129,000
City	0	0	0	20,000	1,000	0	0	0	0	0	0
Contracted	0	0	0	100,000	8,000	0	0	0	0	0	10,000
Site Acquisition	0	0	0	10,000	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	330,400	330,400
City	0	0	0	0	35,400	0	0	0	0	0	0
Contracted	0	0	0	0	295,000	0	0	0	0	0	0
Major Equipment	0	0	0	470,000	0	0	0	0	0	0	470,000
Total Annual Costs	\$0	\$0	\$584	\$600,000	\$339,400	\$0	\$0	\$0	\$0	\$339,400	\$939,984

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$800	\$800	\$800	\$800	\$800	\$3,200	\$3,200
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

157

PROJECT DETAIL

Project Title: **UTILITY RELOCATION**

Project Ranking: **1**

Project Identification Number: **5087**

System: **SEWAGE**

Program: **SYSTEMS DEVELOPMENT**

Objectives:

Maintenance/Repair	
Replacement	X
Mandated	
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR TOTAL	TOTAL PROJECT COST	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98			FY 98-99
Sewer Construction Fund	\$0	\$8,500	\$9,052	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000	\$2,759,052
Grants	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$8,500	\$9,052	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000	\$2,759,052

Costs/Schedule:	Prior Yrs	FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Planning	\$0	\$0	\$0	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$25,000	\$30,000
Design/Project Management	0	0	0	10,000	10,000	10,000	10,000	10,000	10,000	50,000	60,000
City		0	0	10,000	10,000	10,000					
Contracted		0	0	0	0	0					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	235,000	235,000	235,000	1,175,000	2,669,052
City		0	217	0	0	0					
Contracted		8,500	8,835	235,000	235,000	235,000					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$8,500	\$9,052	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000	\$2,759,052

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: BTE INTERAGENCY: STORM

Project Ranking: 1

Project Identification Number: 4895

System: SEWAGE

Program: SYSTEMS DEVELOPMENT

Objectives:

Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92 -93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	$0
Grants	0	0	0	0	0	0	0	0	0	0	\$0
Others	665,466	200,000	300,096	63,754	100,500	104,000	107,650	111,400	115,300	538,850	\$2,211,903
Total	\$665,466	\$200,000	\$300,096	\$63,754	\$100,500	\$104,000	\$107,650	\$111,400	\$115,300	\$538,850	\$2,211,903

Costs/Schedule:

Planning	\$0	\$2,569	\$4,393	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,393
Design/Project Management	102,881						32,890	34,000	35,140	164,600	337,506
City		178,062	40,009	23,754	30,750	31,820					
Contracted		0	6,262	0	0	0					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	562,585						74,760	77,400	80,160	374,250	1,870,004
City		0	142,061	0	0	0					
Contracted		19,369	107,371	-40,000	69,750	72,180					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$665,466	\$200,000	\$300,096	\$63,754	\$100,500	\$104,000	\$107,650	\$111,400	\$115,300	\$538,850	\$2,211,903

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

\$0	\$810	\$810	\$810	\$810	\$810	\$810	\$4,050	\$4,050
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: *SUNDERLAND PUMP STATION*

Project Ranking: *1*

Project Identification Number: *4845*

System: *SEWAGE*

Program: *SYSTEMS DEVELOPMENT*

Objectives:

<i>Maintenance/Repair</i>	
<i>Replacement</i>	
<i>Mandated</i>	
<i>Expansion</i>	X
<i>Efficiency</i>	

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Sewer Construction Fund	\$186,914	\$350,000	\$48,298	\$350,000	\$115,000	\$0	\$0	\$0	\$0	\$115,000	$700,212
Grants	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$186,914	\$350,000	\$48,298	\$350,000	\$115,000	\$0	\$0	\$0	\$0	\$115,000	\$700,212

Costs/Schedule:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Planning	\$0	\$2,000	\$13,829	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,829
Design/Project Management	186,914						0	0	0	2,000	252,832
City		37,072	14,575	32,755	2,000	0					
Contracted		0	1,118	15,470	0	0					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0						0	0	0	113,000	433,551
City		8,029	649	0	13,000	0					
Contracted		302,899	18,127	301,775	100,000	0					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$186,914	\$350,000	\$48,298	\$350,000	\$115,000	\$0	\$0	\$0	\$0	\$115,000	\$700,212

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$2,000	\$2,000	\$4,000	\$4,000
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: CUSTOMER BILLING/INFO SYSTEM

Project Ranking: 1

Project Identification Number: NEW

System: SEWAGE

Program: SYSTEMS DEVELOPMENT

Objectives:

Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Sewer Construction Fund	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000
Grants	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0	0	0	1,000,000	1,000,000
City	0	0	0	0	0	0	0	0	0	0	0
Contracted	0	0	0	0	1,000,000	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
City	0	0	0	0	0	0	0	0	0	0	0
Contracted	0	0	0	0	0	0	0	0	0	0	0
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: *GEOGRAPHIC INFO SYSTEM*

Project Ranking: *1*

Project Identification Number: *NEW*

System: *SEWAGE*

Program: *SYSTEMS DEVELOPMENT*

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Sewer Construction Fund	\$0	\$0	\$0	\$0	\$300,000	\$0	\$0	\$0	\$0	\$300,000	\$300,000
Grants	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$300,000	\$0	\$0	\$0	\$0	\$300,000	\$300,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0	0	0	300,000	300,000
City		0	0	0	0	0					
Contracted		0	0	0	300,000	0					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
City		0	0	0	0	0					
Contracted		0	0	0	0	0					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$0	\$0	\$0	\$300,000	\$0	\$0	\$0	\$0	\$300,000	\$300,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **SEWER EXTENSION PROGRAM**

Project Ranking: **13**

Project Identification Number: **5246**

System: **SEWAGE**

Program: **SYSTEMS DEVELOPMENT**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	
Expansion	X
Efficiency	

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Sewer Construction Fund	\$0	\$0	\$0	\$0	\$1,200,000	\$1,400,000	\$1,400,000	\$1,400,000	\$1,400,000	\$6,800,000	\$13,800,000
Grants	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$1,200,000	\$1,400,000	\$1,400,000	\$1,400,000	\$1,400,000	\$6,800,000	\$13,800,000

Costs/Schedule:											
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						111,550	111,550	111,550	621,400	\$621,400
City		0	0	0	104,200	111,550					
Contracted		0	0	0	71,000	0					
Site Acquisition	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0						1,288,450	1,288,450	1,288,450	6,178,600	\$13,178,600
City		0	0	0	0	0					
Contracted		0	0	0	1,024,800	1,288,450					
Major Equipment	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$1,200,000	\$1,400,000	\$1,400,000	\$1,400,000	\$1,400,000	\$6,800,000	\$13,800,000

Estimated Additional Operating/Maintenance Costs	\$0	\$3,000	\$3,000	\$3,000	\$3,000	\$3,000	\$15,000	\$15,000
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: NE 148TH THRU 158TH SANITARY SEWER

Project Ranking: 18

Project Identification Number: NEW

System: SEWAGE

Program: SYSTEMS DEVELOPMENT

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

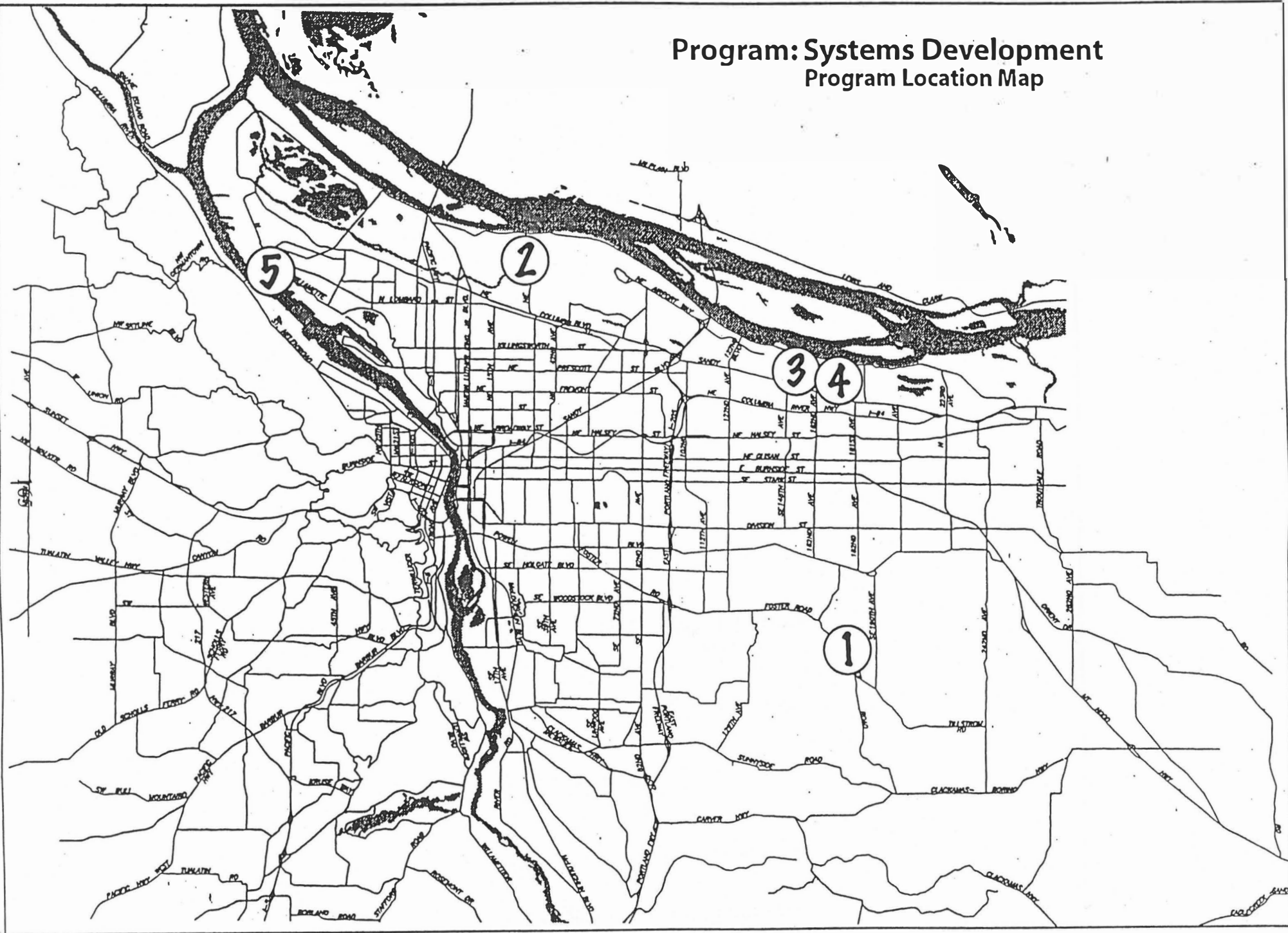
Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Sewer Construction Fund	\$0	\$0	\$0	\$0	\$478,490	\$0	\$0	\$0	\$0	\$478,490	\$478,490
Grants	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$478,490	\$0	\$0	\$0	\$0	\$478,490	\$478,490

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0	0	0	33,410	\$33,410
City		0	0	0	14,850	0					
Contracted		0	0	0	18,560	0					
Site Acquisition	0	0	0	0	33,000	0	0	0	0	33,000	\$33,000
Construction	0	0	0	0	0	0	0	0	0	412,080	\$412,080
City		0	0	0	40,830	0					
Contracted		0	0	0	371,250	0					
Major Equipment	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$478,490	\$0	\$0	\$0	\$0	\$478,490	\$478,490

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$500	\$500	\$500	\$500	\$2,000	\$2,000
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

**Program: Systems Development
Program Location Map**



**Program:
Systems Development
Program Location Legend**

- ① S.E. Foster Sanitary Sewer
- ② Sunderland PS
- ③ N.E. 148th Sanitary Sewer
- ④ N.E. 148th thru 158th Sanitary
- ⑤ Pollution Control Lab

PROJECT DETAIL

Project Title: MARATHON REMEDIATION

Project Ranking: 1

Project Identification Number: 4925

System: ENVIRONMENTAL REMEDIATION

Program: COMBINED SEWER OVERFLOW

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year					5 YEAR TOTAL	TOTAL PROJECT COST	
				FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98			FY 98-99
Sewer Construction Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants	0	0	0	0	0	0	0	0	0	0	\$0
Environmental Remediation Fund	0	0	0	4,976,000	1,430,000	0	0	0	0	1,430,000	\$6,406,000
Refuse Disposal Fund	9,484	621,700	224,433	0	0	0	0	0	0	0	\$233,917
Total	\$9,484	\$621,700	\$224,433	\$4,976,000	\$1,430,000	\$0	\$0	\$0	\$0	\$1,430,000	\$6,639,917

Costs/Schedule:

Planning	\$9,484	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,484
Design/Project Management	0						0	0	0	0	\$0
City		0	31,613	0	0	0					
Contracted		0	192,820	0	0	0					
Site Acquisition	0	21,700	0	3,332,000	0	0	0	0	0	0	\$3,332,000
Construction	0						0	0	0	1,430,000	\$1,430,000
City		0	0	0	0	0					
Contracted		600,000	0	1,644,000	1,430,000	0					
Major Equipment	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$9,484	\$621,700	\$224,433	\$4,976,000	\$1,430,000	\$0	\$0	\$0	\$0	\$1,430,000	\$6,639,917

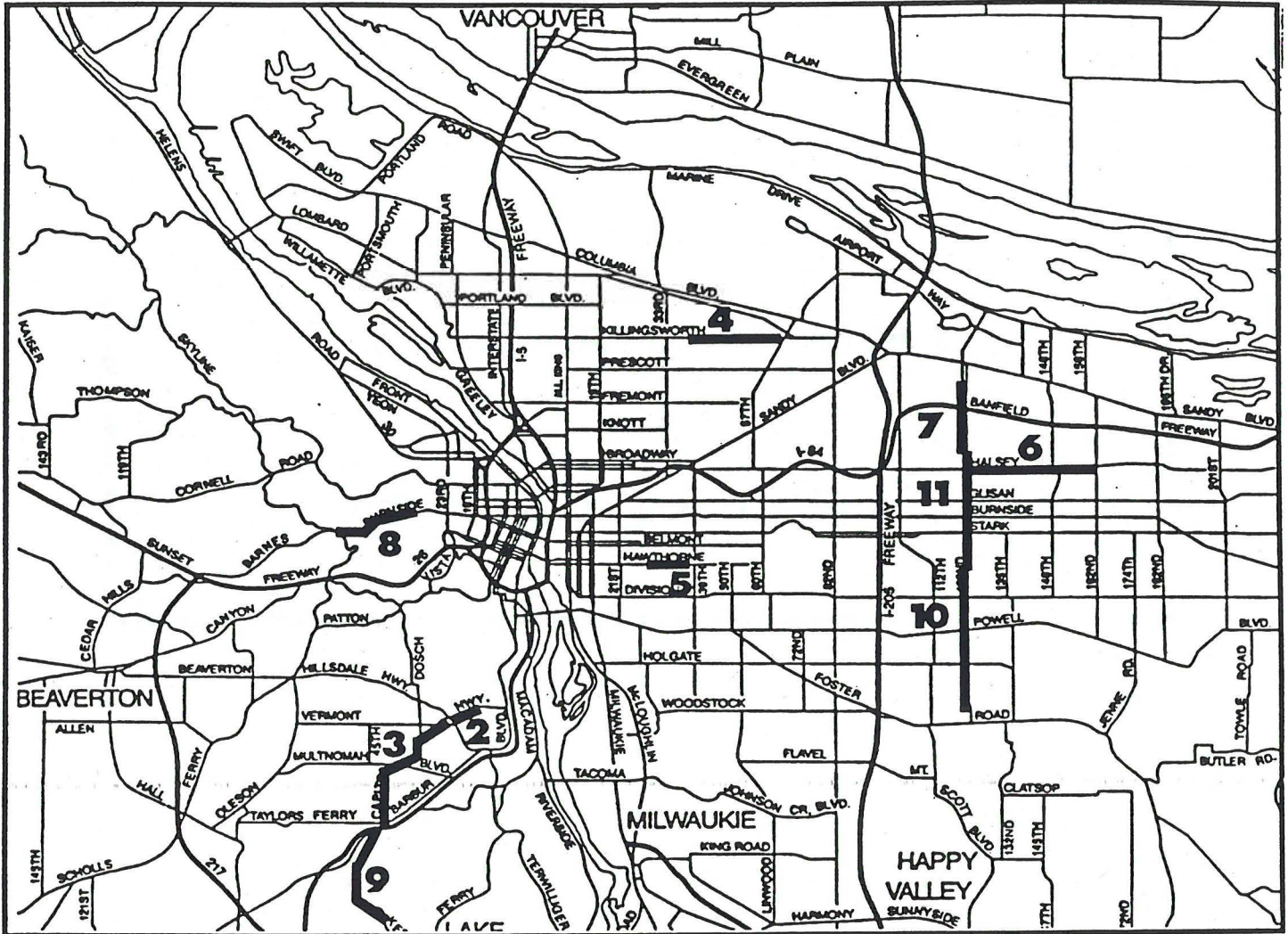
Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

\$37,600	\$45,900	\$46,500	\$47,800	\$49,800	\$50,238	\$240,238	\$277,838
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



PROJECT DETAIL SHEETS

TRANSPORTATION CAPITAL SYSTEM



1. Transit Access Phase III, City-wide - not mapped
2. Hillsdale Pedestrian District
3. SW Capitol Blvd.: Barbur Blvd - Hillsdale
4. Killingsworth/42nd - Cully
5. SE Hawthorne Blvd./ 32nd -39th
6. NE Halsey/122nd to 162nd
7. NE/SE 122nd/ Shaver - San Rafael
8. W. Burnside/Tichner - Skyline
9. SW Capitol Hwy/49th - Barbur Blvd.
10. SE 122nd/Yamhill - Tibbetts
11. NE 122nd/ San Rafael - Yamhill

Note: Please refer to the appropriate Program Section for the specific year project occurs.

PROJECT DETAIL

PROJECT: SW CAPITOL-BARBUR TO HILLSDALE

OBJECTIVES

Capital System: Transportation
Program: Alternative Modes
Subprogram: Pedestrian Program

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

Public Facility Plan? NO
 Asset Mgmt Plan? YES

System Ranking:
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No:
 Neighborh'd Needs No:

PROJECT DESCRIPTION:

PROJECT WILL CONSIST OF PROJECT DEVELOPMENT, PRELIMINARY ENGINEERING AND CONSTRUCTION OF WALKWAYS AND OTHER PEDESTRIAN IMPROVEMENTS. PROJECT WAS IDENTIFIED AS A HIGH PRIORITY BY THE RESIDENTS OF THE NEIGHBORHOODS IN THE SOUTHWEST AREA AND THE SWNI TRANSPORTATION COMMITTEE.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	96,918					96,918	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	96,918	0	0	0	0	96,918	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	

PROJECT: NE 122ND: SHAVER-SAN RAFAEL

OBJECTIVES

Capital System: Transportation
Program: Alternative Modes
Subprogram: Pedestrian Program

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

Public Facility Plan? NO
 Asset Mgmt Plan? YES

System Ranking:
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No:
 Neighborh'd Needs No:

PROJECT DESCRIPTION:

PROJECT WILL CONSIST OF DESIGN AND CONSTRUCTION OF A 6.5' SIDEWALK, CURB RAMPS, AND INLET RELOCATION ALONG PORTIONS OF 122ND AVENUE WHERE SIDEWALKS ARE NOT PRESENT. PEDESTRIAN IMPROVEMENTS ALONG 122ND WERE IDENTIFIED BY THE EAST PORTION DISTRICT AS THEIR TOP TRANSPORTATION DISTRICT-WIDE PRIORITY.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	221,591					221,591	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	221,591	0	0	0	0	221,591	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: SE 122ND/YAMHILL/TIBBETTS

OBJECTIVES

Capital System: Transportation
Program: Alternative Modes
Subprogram: Pedestrian Program

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking: 27
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No: PED/113
Neighborh'd Needs No:

Public Facility Plan? NO
Asset Mgmt Plan? YES

PROJECT DESCRIPTION:

PROJECT WILL CONSIST OF CONSTRUCTION OF A 6.5' SIDEWALK, CURB RAMPS AND INLET RELOCATION ALONG PORTIONS OF 122ND AVE WHERE SIDEWALK IS NOT PRESENT. PEDESTRIAN IMPROVEMENTS ALONG 122ND WERE IDENTIFIED BY THE EAST PORTLAND DISTRICT AS THEIR TOP TRANSPORTATION PRIORITY DISTRICT-WIDE.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	118,211					118,211	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	118,211	0	0	0	0	118,211	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	

PROJECT: NE 122ND: SAN RAFAEL-YAMHILL

OBJECTIVES

Capital System: Transportation
Program: Alternative Modes
Subprogram: Pedestrian Program

Maintain Capacity	X
Upgrade Exist Facility	
Add Capacity	

System Ranking: 28
Urban Services? NO
Financial Analysis? YES

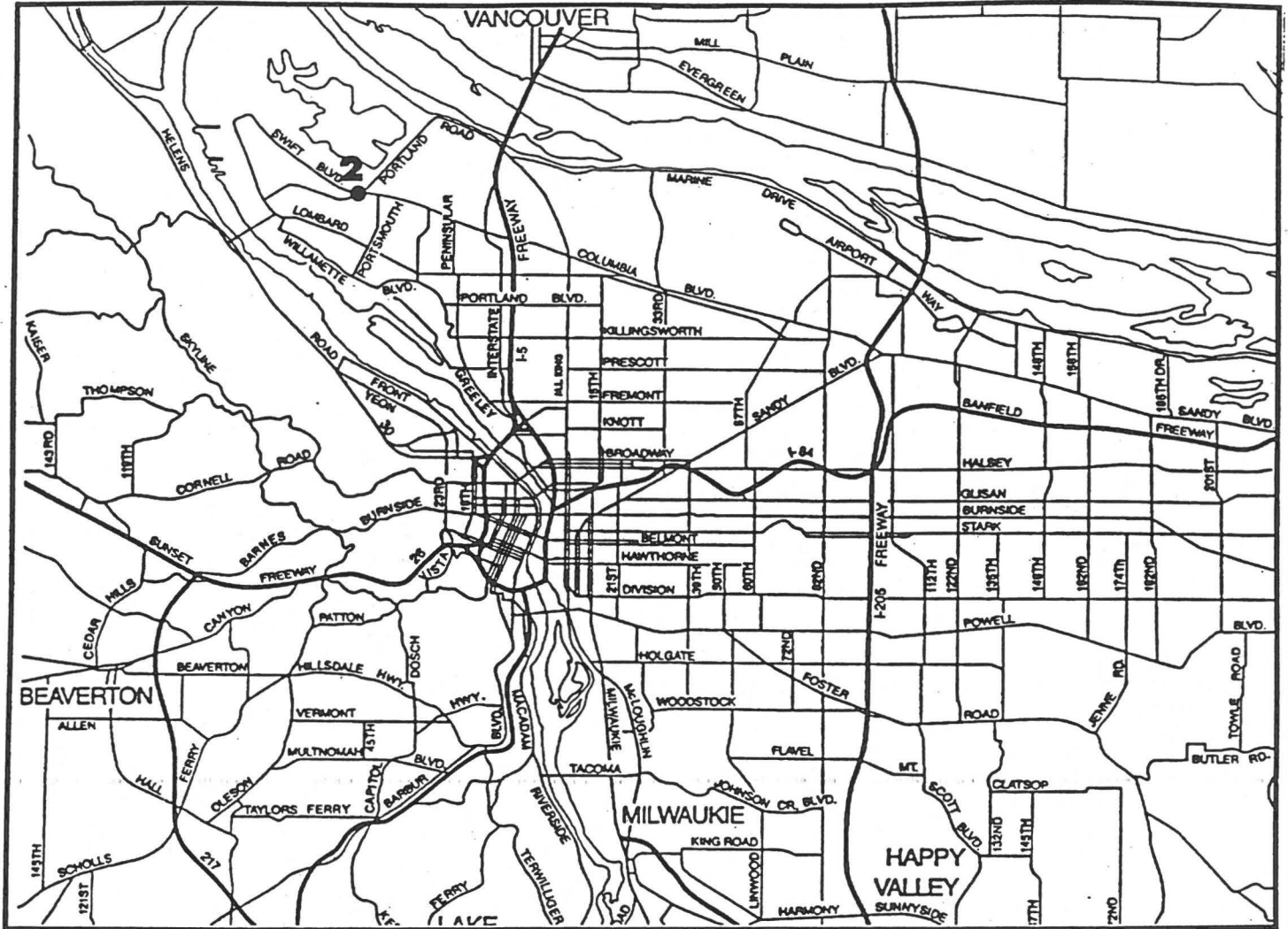
City-wide Ranking:
Identification No: PED/112
Neighborh'd Needs No:

Public Facility Plan? YES
Asset Mgmt Plan? YES

PROJECT DESCRIPTION:

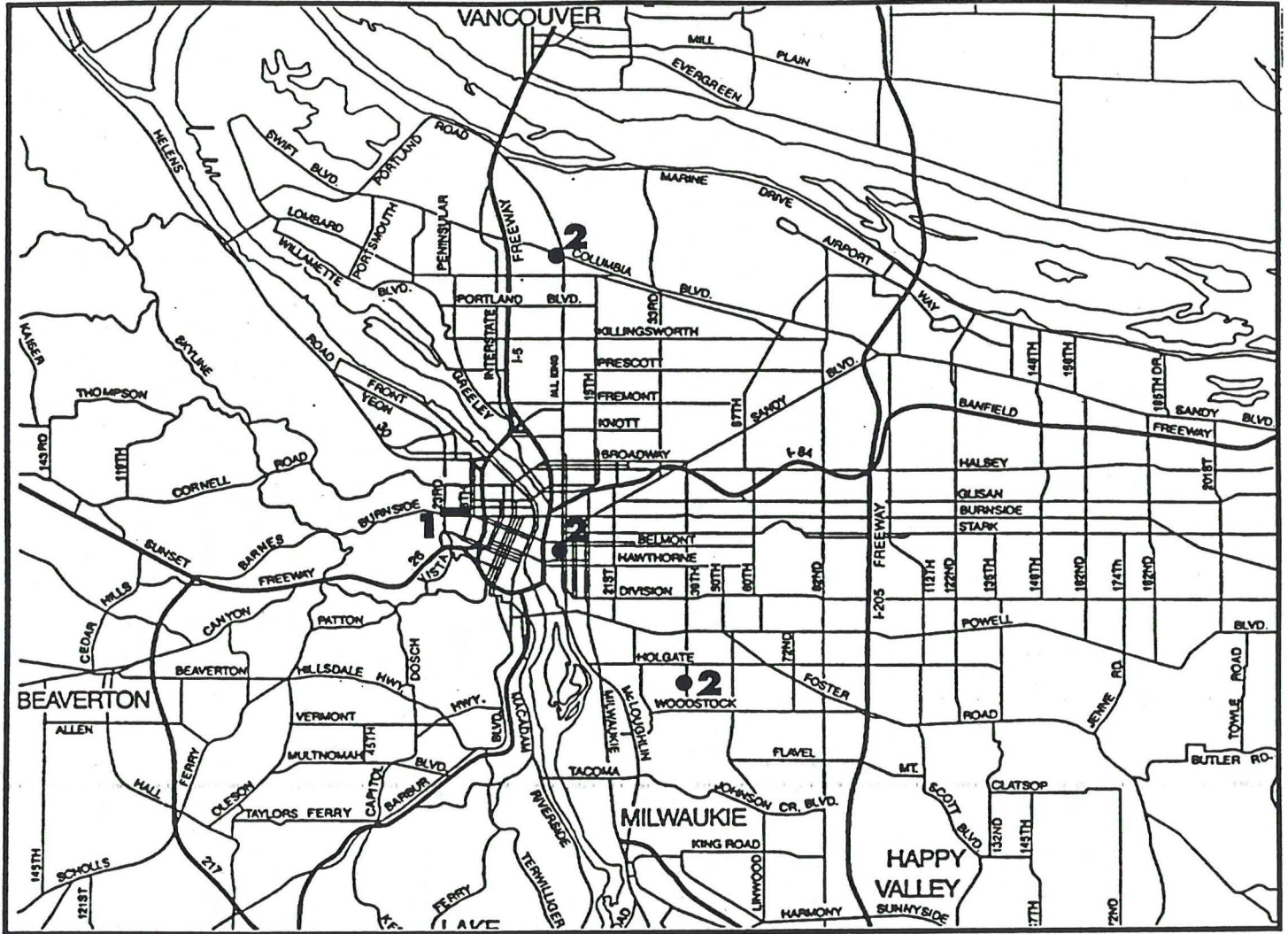
PROJECT WILL CONSIST OF CONSTRUCTION OF A 6.5' SIDEWALK, CURB RAMPS AND INLET RELOCATION ALONG PORTIONS OF 122ND AVE WHERE SIDEWALK IS NOT PRESENT. PEDESTRIAN IMPROVEMENTS ALONG 122ND WERE IDENTIFIED BY THE EAST PORTLAND DISTRICT AS THEIR TOP TRANSPORTATION PRIORITY DISTRICT-WIDE.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	54,331					54,331	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	54,331	0	0	0	0	54,331	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	



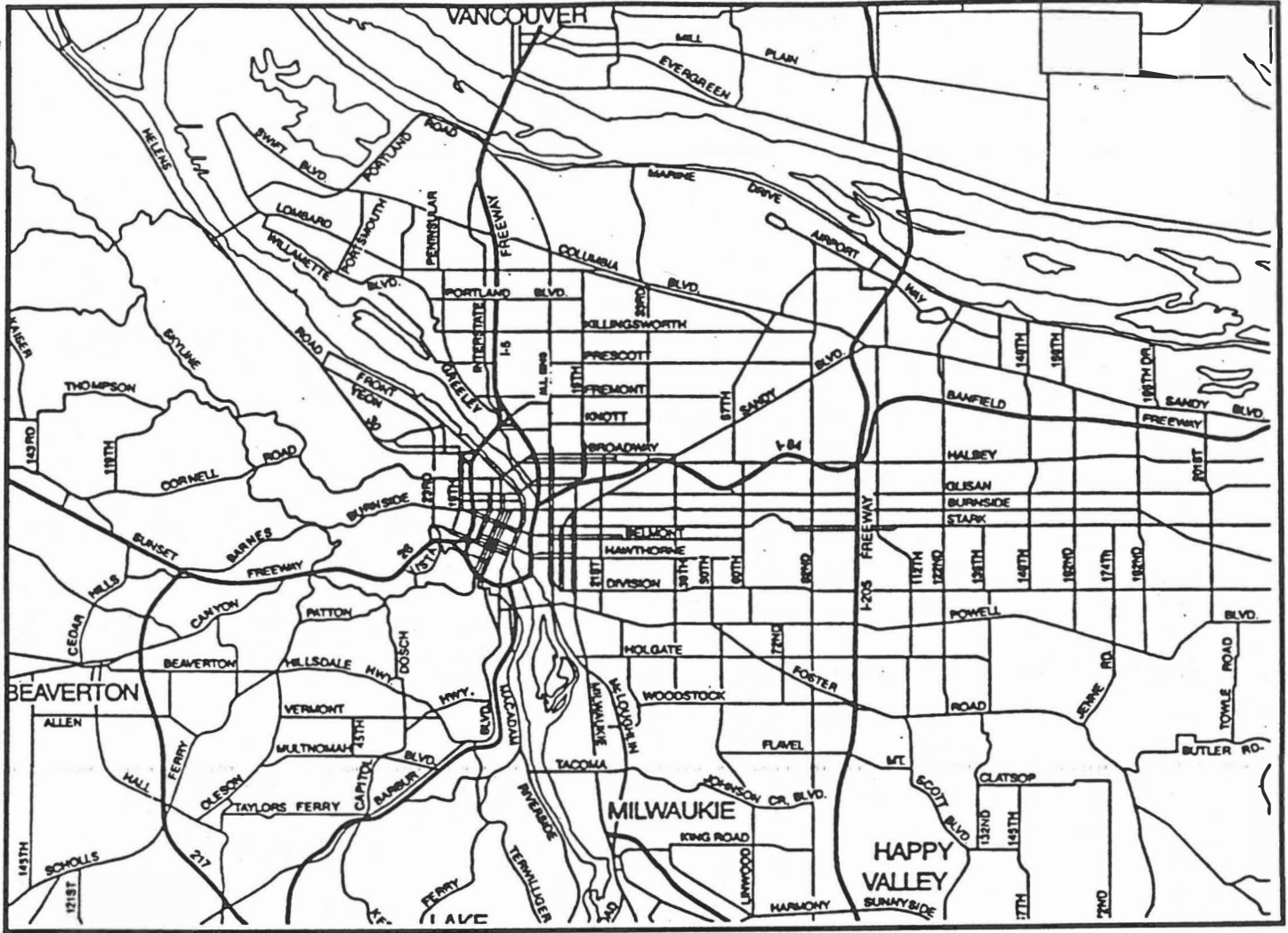
1. Seismic Risk Analysis - (City-wide, not mapped)
2. N. Portland Road over UPRR

Note: Please refer to the appropriate Program Section for the specific year project occurs.



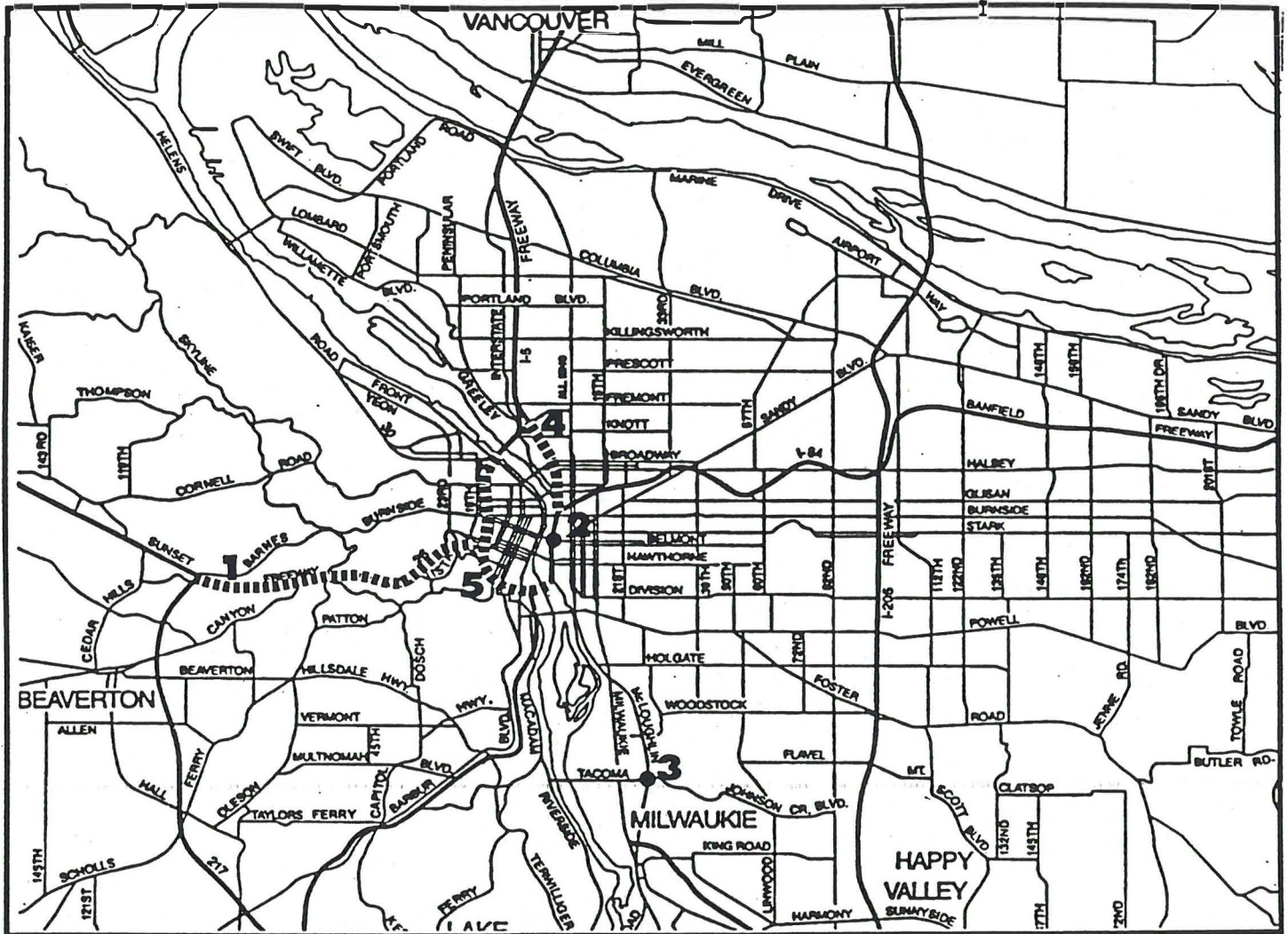
1. Remodels for Maintenance, Unit 3
2. Signal Safety Remodels, Unit 5

Note: Please refer to the appropriate Program Section for the specific year project occurs.



UNMAPPED -City-wide
1. Conversions in Annexed Areas

Note: Please refer to the appropriate Program Section for the specific year project occurs.



1. Sunset Highway
2. E. Marquam Ramps/Water Avenue I & 2
3. McLoughlin/Tacoma Overpass
4. I-5 Greeley/Banfield, Phase 2
5. I-405 Reconnaissance

Note: Please refer to the appropriate Program Section for the specific year project occurs.

PROJECT DETAIL

PROJECT: MCLOUGHLIN/TACOMA OVERPASS

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Regional Trafficway

Maintain Capacity
 Upgrade Exist Facility
 Add Capacity

Public Facility Plan? YES
 Asset Mgmt Plan? YES

System Ranking: 31
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No: AE /306
 Neighbor'd Needs No:

PROJECT DESCRIPTION:

PROJECT WILL RE-CONSTRUCT SE TACOMA-MCLOUGHLIN INTERCHANGE, PROVIDING FULL GRADE SEPARATION. POSITIVE IMPACTS INCLUDE REDUCED CONGESTION AND REDUCED NEIGHBORHOOD TRAFFIC, IMPROVED TRANSIT FACILITIES AND IMPROVED PEDESTRIAN SAFETY.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	6,195					6,195	
Rate/Charge/Contracts							0	
Fed/State/Other Local	48,736	0					0	
Other							0	
TOTAL	48,736	6,195	0	0	0	0	6,195	0
TOTAL LEVERAGED	0	4,650,000					4,650,000	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	

PROJECT: I-5 GREELEY BANFIELD PH 2

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Regional Trafficway

Maintain Capacity
 Upgrade Exist Facility
 Add Capacity

Public Facility Plan? YES
 Asset Mgmt Plan? YES

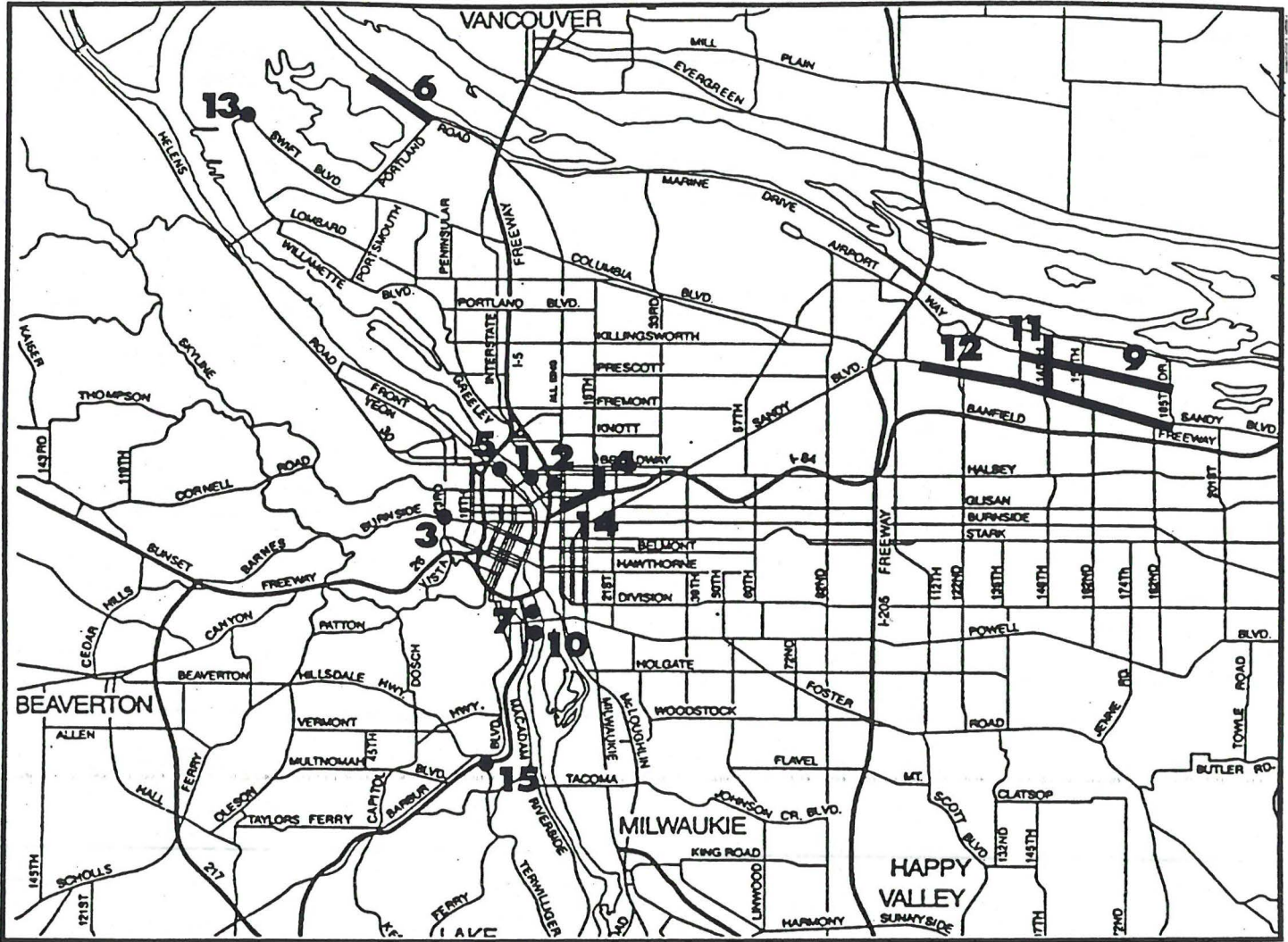
System Ranking: 64
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No: TRP/744
 Neighbor'd Needs No:

PROJECT DESCRIPTION:

A TSM PROJECT TO CORRECT CAPACITY AND SAFETY PROBLEMS ON I-5 BETWEEN I-405 INTERCHANGE AND THE I-84 INTERCHANGE. THE PROJECT INCLUDES COLLECTOR DISTRIBUTOR ROADS SERVING THE FREEWAY TO FREEWAY CONNECTIONS AS WELL AS THE BROADWAY/WEIDLER INTERCHANGE. THE PROJECT IS TO BE CONSTRUCTED IN THREE PHASES.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation							0	
Rate/Charge/Contracts							0	
Fed/State/Other Local	14,113	24,947	20,000	53,344	53,344	27,900,000	28,051,635	3,000,000
Other							0	
TOTAL	14,113	24,947	20,000	53,344	53,344	27,900,000	28,051,635	3,000,000
TOTAL LEVERAGED							0	
COSTS								
Planning				P	P			
Design/Proj Mgt					D	D		
Site Acquisition						A		
Constr/Equip						C		
EST OPER/MAINT COSTS							0	



1. River Access, Phase I
2. Oregon Arena Project
3. NW 23rd & Burnside
4. 15th/16th, Phase I and II
5. River District
6. N. Marine Drive/Portland Road to Rivergate
7. North Macadam District
8. Oregon Arena Debt Service, not mapped
9. NE Airport Way
10. South Portland Circulation Study
11. NE 148th/Sandy Blvd. to NE Marine Drive
12. Sandy Blvd./101st to 185th
13. Columbia/Lombard-Rivergate South Entrance
14. Lloyd South Pathway
15. Terwilliger / I-5 Interchange

Note: Please refer to the appropriate Program Section for the specific year project occurs.

PROJECT DETAIL

PROJECT: TERWILLIGER/1-5 INTERCHANGE

OBJECTIVES

Capital System: Transportation
 Program: Street Improvement Program
 Subprogram: Major Traffic Streets

Maintain Capacity	X
Upgrade Exist Facility	
Add Capacity	

Public Facility Plan?	YES
Asset Mgmt Plan?	YES

System Ranking:	9
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	AE/408
Neighborhood Needs No:	

PROJECT DESCRIPTION:

REPLACE EXISTING TERWILLIGER BRIDGE OVER I-5 WITH NEW CONNECTIONS TO TERWILLIGER, BARBUR & BERTHA. INCLUDES PEDESTRIAN & BICYCLE FACILITIES. IMPROVES SAFETY, REDUCES CONGESTION, REDUCES NEIGHBORHOOD TRAFFIC.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	2,325	9,458					9,458	
Rate/Charge/Contracts							0	
Fed/State/Other Local	44,486	0					0	
Other							0	
TOTAL	46,811	9,458	0	0	0	0	9,458	0
TOTAL LEVERAGED	0	2,057,600					2,057,600	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	

PROJECT: OREGON ARENA PROJECT

OBJECTIVES

Capital System: Transportation
 Program: Street Improvement Program
 Subprogram: Major Traffic Streets

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

Public Facility Plan?	NO
Asset Mgmt Plan?	YES

System Ranking:	12
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	CON/355
Neighborhood Needs No:	

PROJECT DESCRIPTION:

This project includes the demolition and reconstruction of streets around the new Blazer Arena. Approximately 7,600 lf of new street will be constructed. Included in the estimate are 11 traffic signal installations, hazardous materials review, SSM permits, RWA services, and other support work performed by BTE, BTM and BOM.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	25,535						0	
Rate/Charge/Contracts	222,620	66,509	99,933	120,000	0	0	286,442	
Fed/State/Other Local							0	
Other							0	
TOTAL	248,155	66,509	99,933	120,000	0	0	286,442	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt			D					
Site Acquisition								
Constr/Equip			C	C				
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: 15TH/16TH PHASE II

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

OBJECTIVES

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

Public Facility Plan? NO
Asset Mgmt Plan? YES

System Ranking: 26
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:

Identification No: OCC/857

Neighbor'd Needs No:

PROJECT DESCRIPTION:

THIS PROJECT IS THE SECOND HALF OF THE ORIGINAL 15TH/16TH, 16TH TWO-WAY PROJECT. THE FIRST PHASE WOULD BUILD THE 15TH/16TH DECOUPLE. THIS PHASE WOULD TWO-WAY 16TH WAY.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation				216,000	216,000	216,000	648,000	216,000
Rate/Charge/Contracts	0	150,282	2,309,470				2,459,752	
Fed/State/Other Local							0	
Other	0						0	
TOTAL	0	150,282	2,309,470	216,000	216,000	216,000	3,107,752	216,000
TOTAL LEVERAGED							0	
COSTS								
Planning			.	.	.	.
Design/Proj Mgt			D	.	.	.		
Site Acquisition			A	.	.	.		
Constr/Equip			.	C	.	.		
EST OPER/MAINT COSTS							0	

PROJECT: RIVER DISTRICT

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

OBJECTIVES

Maintain Capacity	
Upgrade Exist Facility	
Add Capacity	X

Public Facility Plan? YES
Asset Mgmt Plan? YES

System Ranking: 39
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:

Identification No: CCT/504

Neighbor'd Needs No:

PROJECT DESCRIPTION:

MANAGE TRANSPORTATION ELEMENTS OF THE RIVER DISTRICT DEVELOPMENT PLAN.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	288,381		208,681	214,000	221,500	231,000	875,181	
Rate/Charge/Contracts							0	
Fed/State/Other Local			0	0	0	0	0	
Other							0	
TOTAL	288,381	0	208,681	214,000	221,500	231,000	875,181	0
TOTAL LEVERAGED							0	
COSTS								
Planning			P	P	P	P		
Design/Proj Mgt			.	.	.	.
Site Acquisition			.	.	.	.
Constr/Equip			.	.	C	C		
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: NORTH MACADAM DISTRICT

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

System Ranking: 42
Urban Services? NO
Financial Analysis? YES

Public Facility Plan? YES
Asset Mgmt Plan? YES

OBJECTIVES
 Maintain Capacity
 Upgrade Exist Facility
 Add Capacity

City-wide Ranking:
Identification No: OCC/867
Neighborh'd Needs No:

PROJECT DESCRIPTION:

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	200,000					200,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	200,000	0	0	0	0	200,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	

PROJECT: NE AIRPORT WAY

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

System Ranking: 61
Urban Services? NO
Financial Analysis? YES

Public Facility Plan? YES
Asset Mgmt Plan? YES

OBJECTIVES
 Maintain Capacity
 Upgrade Exist Facility
 Add Capacity

City-wide Ranking:
Identification No: AE /406
Neighborh'd Needs No:

PROJECT DESCRIPTION:

Federal law requires a 5 year establishment and monitoring program. Requirements include: Annual photo documentation of plant survival, replanting, recording of wildlife use, water quality sampling and testing, control of unwanted vegetation, cleaning trash racks, water level management, and preparation of a comprehensive annual report.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	2,795,593	97,601	53,031	50,000	50,000	50,000	300,632	
Rate/Charge/Contracts	541,588						0	
Fed/State/Other Local	3,746,369	46,798					46,798	
Other							0	
TOTAL	7,083,550	144,399	53,031	50,000	50,000	50,000	347,430	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip			C	C	C	C		
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: SANDY BV. 101ST TO 185TH

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

Maintain Capacity	
Upgrade Exist Facility	
Add Capacity	X

Public Facility Plan? YES
Asset Mgmt Plan? YES
System Ranking: 93
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No: TRP/343
Neighborh'd Needs No:

PROJECT DESCRIPTION:

IMPROVE AND EXPAND SANDY BV TO A FIVE LANE ARTERIAL STREET TO SERVE NE PORTLAND GROWTH, AND THE COLUMBIA SOUTH SHORE DEVELOPMENT. REQUIRES RIGHT OF WAY AQUISITION, ENVIRONMENTAL ASSESSMENT, PRELIMINARY ENGINEERING , FINAL DESIGN AND CONSTRUCTION. CONSTRUCTION INCLUDES DRAINAGE, CURBS SIDEWALKS, SIGNALS, PAVING.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	71,342	50,000					50,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local	61,529	92,802					92,802	
Other							0	
TOTAL	132,871	142,802	0	0	0	0	142,802	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	P						
Design/Proj Mgt	.	.						
Site Acquisition	.	.						
Constr/Equip	.	.						
EST OPER/MAINT COSTS							0	

PROJECT: COLUMBIA/LOMBARD, RVGT SO ENTR

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

Public Facility Plan? NO
Asset Mgmt Plan? YES
System Ranking: 977
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No: AE /451
Neighborh'd Needs No:

PROJECT DESCRIPTION:

THIS PROJECT WILL SEPARATE THE ROAD/RAILROAD CROSSING INTO THE PORT OF PORTLAND RIVERGATE INDUSTRIAL AREA. RAIL TRAFFIC CONTINUES TO GROW ALONG WITH TRUCK MOVEMENTS INTO THE PORT TERMINALS NO. 5 & 6. THIS PROJECT WILL ENCOURAGE THE CONTINUED GROWTH AT THE TERMINALS. INTERMODAL MOVEMENT OF GOODS WILL BE SAFER WITH ELIMINATION OF TRUCK/TRAIN CONFLICTS. PORT SUPPORTS PROJECT AND WILL CONTRIBUTE TO PROJECT.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	25,806	131,343	125,000	2,250,000	250,000	2,782,149	
Rate/Charge/Contracts	0	25,806	131,343	125,000	2,250,000	250,000	2,782,149	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	51,612	262,686	250,000	4,500,000	500,000	5,554,298	0
TOTAL LEVERAGED							0	
COSTS								
Planning		P						
Design/Proj Mgt		D	D					
Site Acquisition			A					
Constr/Equip					C	C		
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: NW 13TH, JOHNSON TO SAVIOR

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

Maintain Capacity	X
Upgrade Exist Facility	
Add Capacity	

System Ranking: 988
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No: AE /703
Neighborhood Needs No:

Public Facility Plan? NO
Asset Mgmt Plan? YES

PROJECT DESCRIPTION:

THIS PROJECT UPGRADES 13TH AVE IN THE PEARL DISTRICT. CITY MONEY IS USED TO COMPLETE FINAL DESIGN AND GENERATE INTEREST OF PROPERTY OWNERS. PROPERTY OWNERS ARE THEN ENCOURAGED TO PROVIDE FUNDING FOR CONSTRUCTION. THE PROJECT HAS TWO PHASES. THE FIRST IS FROM JOHNSON TO LOVEJOY. THE SECOND IS LOVEJOY TO SAVIER.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	22,089	83,883				105,972	
Rate/Charge/Contracts				385,000	760,000		1,145,000	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	22,089	83,883	385,000	760,000	0	1,250,972	0
TOTAL LEVERAGED							0	
COSTS								
Planning			.	.	.	.
Design/Proj Mgt			D	D	.	.		
Site Acquisition			.	.	.	.
Constr/Equip				C	C			
EST OPER/MAINT COSTS							0	

PROJECT: NW INTERSECTIONS, PHASE II

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

Maintain Capacity	X
Upgrade Exist Facility	
Add Capacity	

System Ranking: 101 1
Urban Services? NO
Financial Analysis? YES

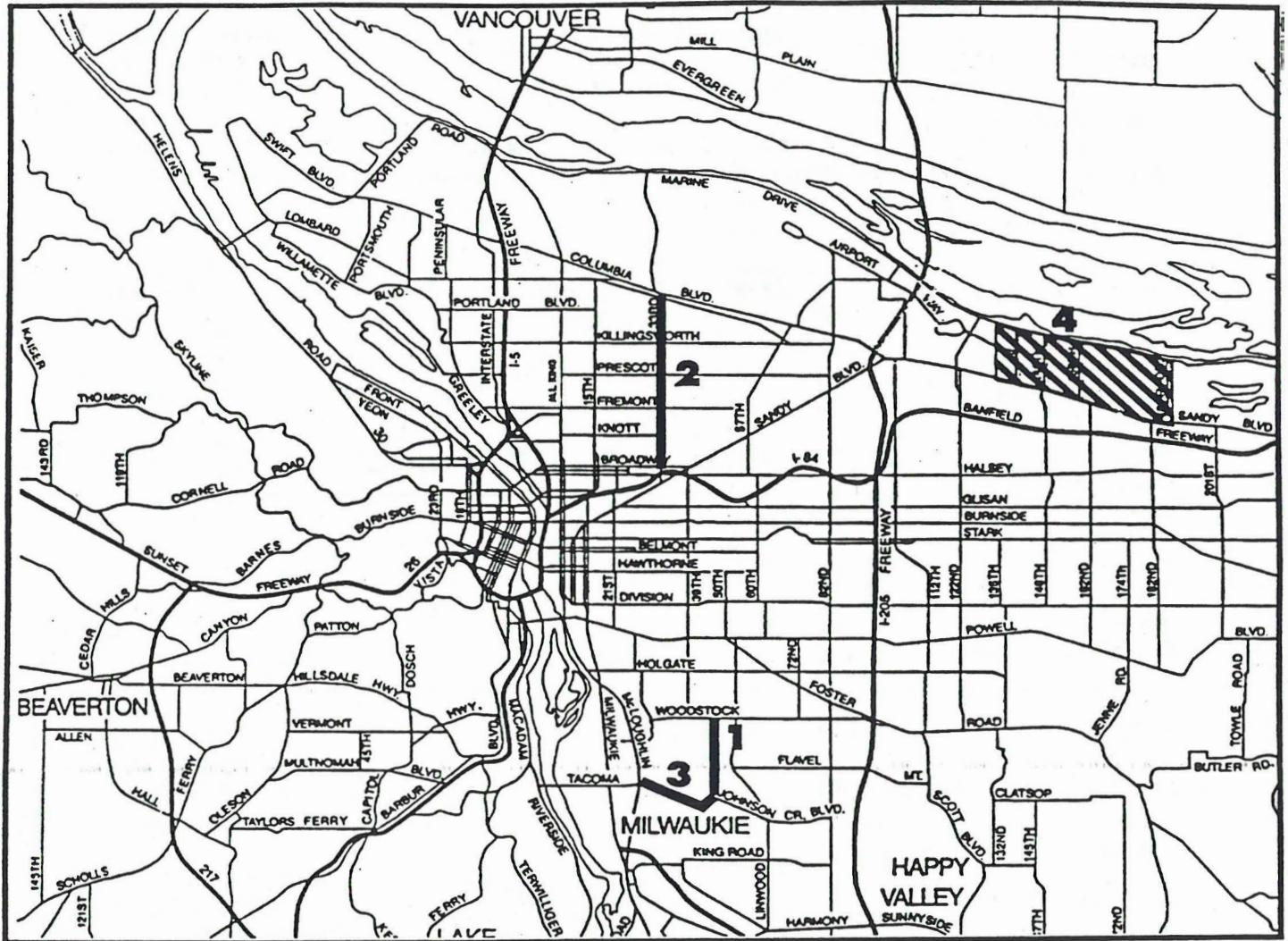
City-wide Ranking:
Identification No: AE /404
Neighborhood Needs No:

Public Facility Plan? YES
Asset Mgmt Plan? YES

PROJECT DESCRIPTION:

THIS PROJECT WILL CONSTRUCT CURB EXTENSIONS, PEDESTRIAN SIGNALS AND OTHER TRAFFIC CONTROLS IN THE AREA GENERALLY BOUNDED BY NW 18TH, BURNSIDE, 29TH, VAUGHN. THE PROJECT SUPPLEMENTS THE NW TRAFFIC CIRCULATION PROJECT AND FOLLOWS THE RECOMMENDATIONS IN THE NORTHWEST TRANSPORTATION STUDY CONDUCTED BY THE BUREAU OF PLANNING(1981).

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	61,985			200,000			200,000	
Rate/Charge/Contracts	0	28,558	56,313				84,871	
Fed/State/Other Local	200,513						0	
Other							0	
TOTAL	262,498	28,558	56,313	200,000	0	0	284,871	0
TOTAL LEVERAGED							0	
COSTS								
Planning			.	.	.	.
Design/Proj Mgt			D	.	.	.		
Site Acquisition			.	.	.	.
Constr/Equip				C	.	.		
EST OPER/MAINT COSTS							0	



1. SE 45th/Hamey to Glenwood
2. NE 33rd Multi-modal Improvements
3. SE Johnson Creek/32nd to 45th
4. Columbia South Shore SIP

PROJECT DETAIL

PROJECT: SE 45TH AV HARNEY TO GLENWOOD

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Neighborhood Collectors

Maintain Capacity	X
Upgrade Exist Facility	
Add Capacity	

Public Facility Plan?	NO
Asset Mgmt Plan?	YES

System Ranking:	21
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	TRP/748
Neighborhood Needs No:	

PROJECT DESCRIPTION:

PROJECT TO CONTROL SPEED WITH NEIGHBORHOOD TRAFFIC MANAGEMENT DEVICES ON SE 45TH AVE BETWEEN JOHNSON CREEK BV AND SE GLENWOOD. PROJECT WILL ALSO IMPROVE STREET CHARACTER FOR PEDESTRIANS, BICYCLE AND TRANSIT ACCESSIBILITY, CONSISTENT WITH THE T.E.GUIDELINES. THE PROJECT IS ALSO IDENTIFIED AND FUNDED IN THE SE CORRIDOR STUDY.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	8,802		9,263	8,823	80,000	440,000	538,086	
Rate/Charge/Contracts							0	
Fed/State/Other Local	49,880	60,865	52,488	50,000	120,000	300,000	583,353	
Other							0	
TOTAL	58,682	60,865	61,751	58,823	200,000	740,000	1,121,439	0
TOTAL LEVERAGED							0	
COSTS								
Planning		P	P	P				
Design/Proj Mgt					D			
Site Acquisition								
Constr/Equip						C		
EST OPER/MAINT COSTS							0	

PROJECT: NE 33RD AVE. MULTI-MODAL IMPR.

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Neighborhood Collectors

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

Public Facility Plan?	NO
Asset Mgmt Plan?	YES

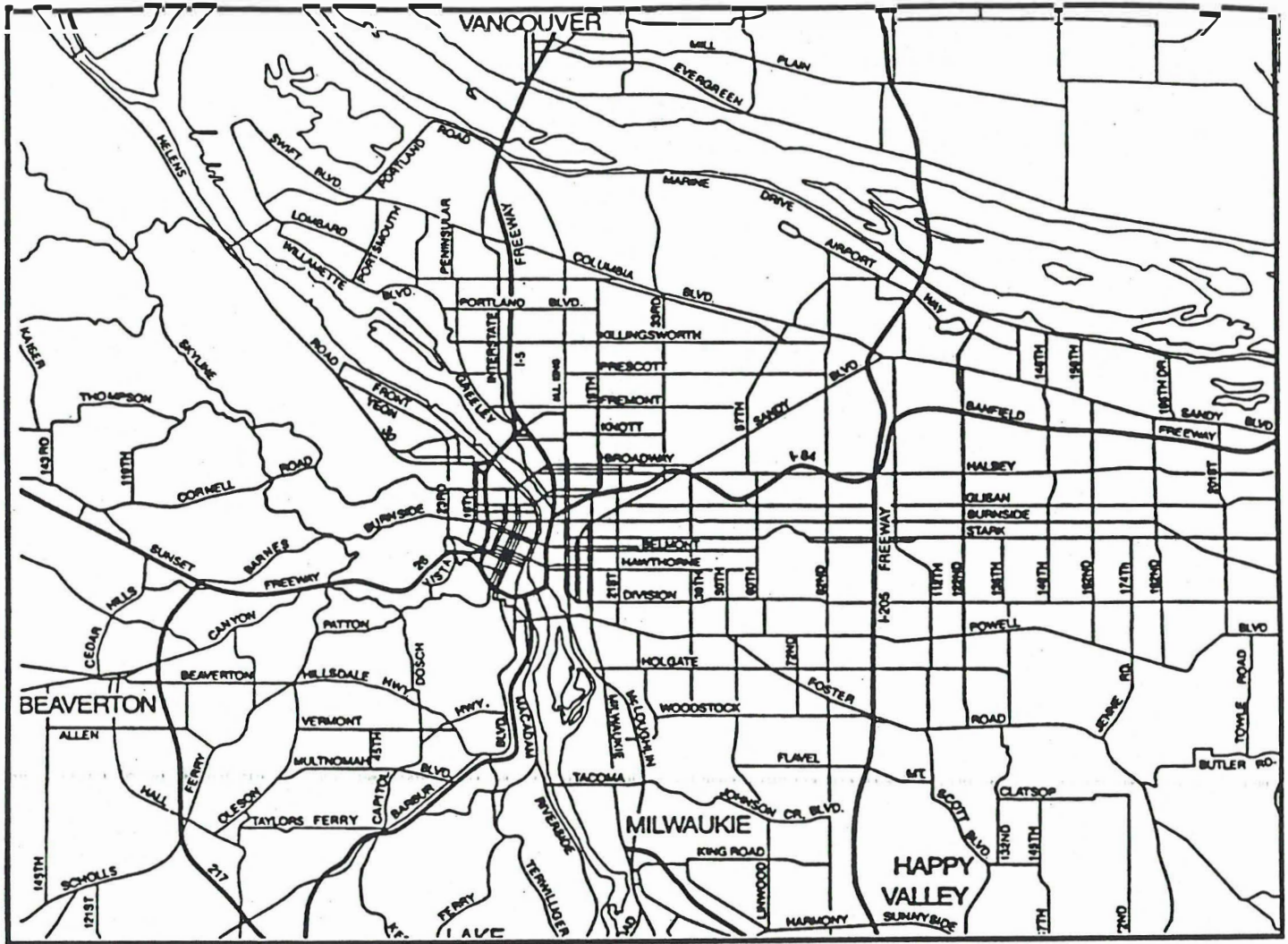
System Ranking:	32
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	PAD/333
Neighborhood Needs No:	

PROJECT DESCRIPTION:

Responds to the need to improve the livability of NE 33rd for area residents, schools, parks.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	50,000	50,000	300,000			400,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	50,000	50,000	300,000	0	0	400,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning		P	P	P				
Design/Proj Mgt		D	D	D				
Site Acquisition								
Constr/Equip					C			
EST OPER/MAINT COSTS							0	



UNMAPPED - City-wide

1. LID Design/Construction
2. HCD Street Design
3. Subdivision Street Projects
4. HCD Replacement Capital
5. Performance/Substandard Streets
6. Minor Street Permits

Note: Please refer to the appropriate Program Section for the specific year project occurs.

PROJECT DETAIL

PROJECT: SW PALATINE: 43-45

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

Maintain Capacity	
Upgrade Exist Facility	
Add Capacity	X

Public Facility Plan? YES
 Asset Mgmt Plan? YES

System Ranking: 77
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No: LDE/735
 Neighborh'd Needs No:

PROJECT DESCRIPTION:

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	13,000					13,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	0	18,696					18,696	
TOTAL	0	31,696	0	0	0	0	31,696	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	

PROJECT: NE MASON DRIVE

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

Maintain Capacity	
Upgrade Exist Facility	
Add Capacity	X

Public Facility Plan? YES
 Asset Mgmt Plan? YES

System Ranking: 78
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No: LDE/734
 Neighborh'd Needs No:

PROJECT DESCRIPTION:

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	62,000					62,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	0	21,705					21,705	
TOTAL	0	83,705	0	0	0	0	83,705	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: HCD REPLACEMENT CAPITAL

OBJECTIVES

Capital System: Transportation
 Program: Street Improvement Program
 Subprogram: Local Neighborhood Streets

Maintain Capacity	
Upgrade Exist Facility	
Add Capacity	X

Public Facility Plan? YES
 Asset Mgmt Plan? YES

System Ranking: 82
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No: LDE/040
 Neighbor'd Needs No:

PROJECT DESCRIPTION:

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	19,038	19,038	23,000	24,000	25,000	110,076	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	19,038	19,038	23,000	24,000	25,000	110,076	0
TOTAL LEVERAGED							0	
COSTS								
Planning			.	.	.	.
Design/Proj Mgt			D	D	D	D		
Site Acquisition			.	.	.	.
Constr/Equip				C	C	C		
EST OPER/MAINT COSTS							0	

PROJECT: SE LAFAYETTE/86TH

OBJECTIVES

Capital System: Transportation
 Program: Street Improvement Program
 Subprogram: Local Neighborhood Streets

Maintain Capacity	
Upgrade Exist Facility	
Add Capacity	X

Public Facility Plan? YES
 Asset Mgmt Plan? YES

System Ranking: 83
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No: LDE/0288
 Neighbor'd Needs No:

PROJECT DESCRIPTION:

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation							0	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	0	19,330					19,330	
TOTAL	0	19,330	0	0	0	0	19,330	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: MINOR PERMIT STREETS

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

Maintain Capacity	
Upgrade Exist Facility	
Add Capacity	X

System Ranking: 59
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No: PER/460
Neighborhood Needs No:

Public Facility Plan? YES
Asset Mgmt Plan? YES

PROJECT DESCRIPTION:

THIS CATEGORY COVERS ALL NON-RESIDENTIAL PROJECTS WITH CONST VALUES LESS THAN \$ 25,000. MOST ARE DESIGNED BY CONSULTANTS. CATEGORY INCLUDES STREET CLOSURES, SIDESTRIPS, INLETS, SIDEWALKS ETC.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	33,830	21,586	22,981	25,500	26,300	27,100	123,467	27,900
Rate/Charge/Contracts	97,128	43,826	56,264	59,600	61,400	63,200	284,290	65,100
Fed/State/Other Local							0	
Other							0	
TOTAL	130,958	65,412	79,245	85,100	87,700	90,300	407,757	93,000
TOTAL LEVERAGED	0	255,000	262,500	270,000	277,500	285,000	1,250,000	294,000
COSTS								
Planning			.	.	.	.
Design/Proj Mgt			D	D	D	D		
Site Acquisition			A	A	A	A		
Constr/Equip			C	C	C	C		
EST OPER/MAINT COSTS							0	

PROJECT: LID - STREET DESIGN

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

Maintain Capacity	
Upgrade Exist Facility	
Add Capacity	X

System Ranking: 65
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No: LDE/700
Neighborhood Needs No:

Public Facility Plan? YES
Asset Mgmt Plan? YES

PROJECT DESCRIPTION:

THIS PROVIDES FOR DESIGN OF 8 LID PROJECTS IN 95-96. 6 PROJECTS MOVE TO CONSTRUCTION IN 96-97.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	64,000	67,000	71,000	75,000	79,000	356,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	0	178,351	160,323	170,000	179,000	188,000	875,674	
TOTAL	0	242,351	227,323	241,000	254,000	267,000	1,231,674	0
TOTAL LEVERAGED							0	
COSTS								
Planning			P	P	P	P		
Design/Proj Mgt			D	D	D	D		
Site Acquisition			.	.	.	.
Constr/Equip			C	C	C	C		
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: SW PASADENA/41ST

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

OBJECTIVES
 Maintain Capacity
 Upgrade Exist Facility
 Add Capacity

Public Facility Plan? YES NO
Asset Mgmt Plan? YES NO
System Ranking: 69
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No: LDE/727
Neighborh'd Needs No:

PROJECT DESCRIPTION:

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	28,000						0	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	39,918	1,709					1,709	
TOTAL	67,918	1,709	0	0	0	0	1,709	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	

PROJECT: SE VALENTINE DR

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

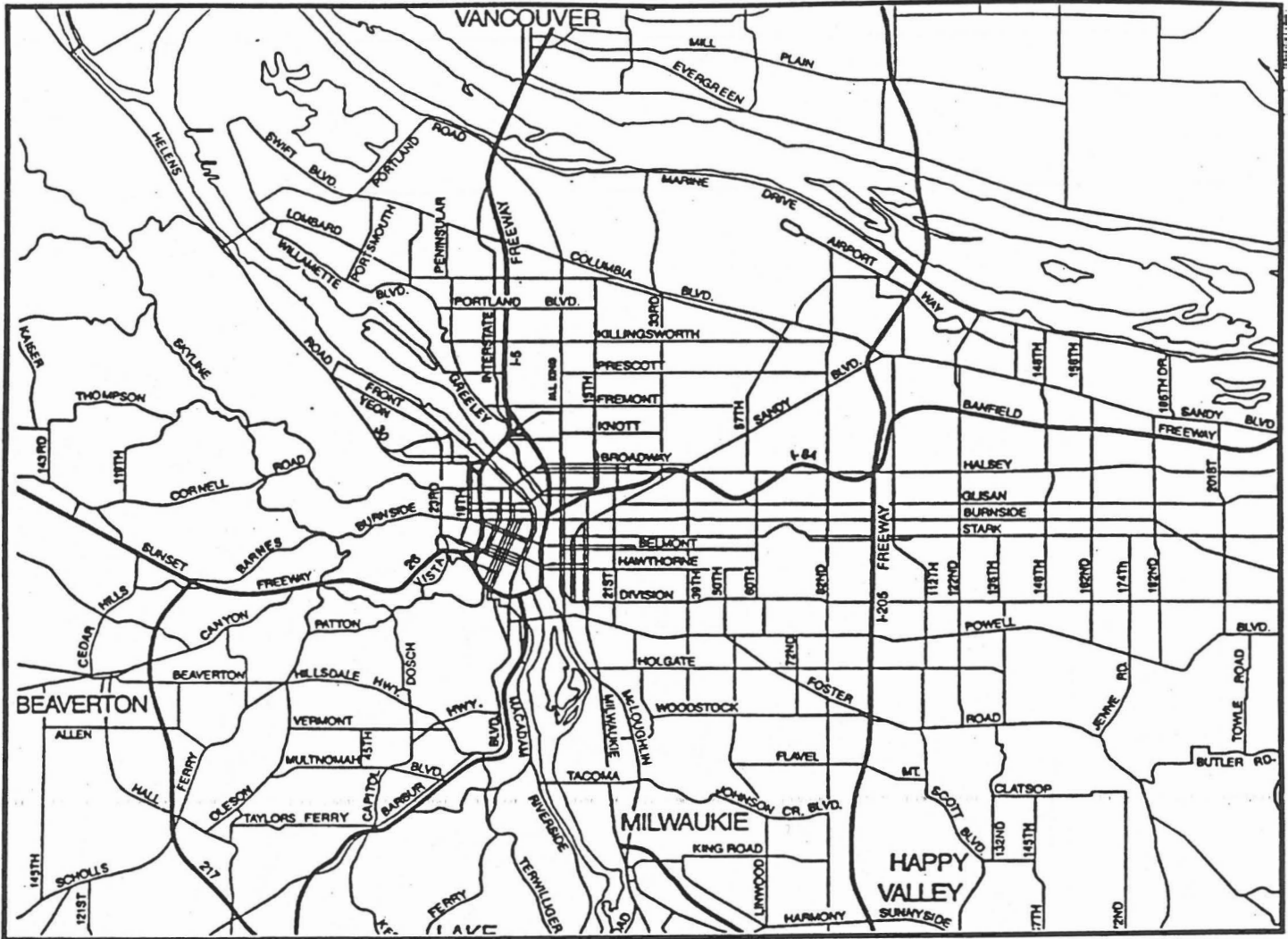
OBJECTIVES
 Maintain Capacity
 Upgrade Exist Facility
 Add Capacity

Public Facility Plan? YES NO
Asset Mgmt Plan? YES NO
System Ranking: 70
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No: LDE/725
Neighborh'd Needs No:

PROJECT DESCRIPTION:

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation							0	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	40,776	1,709					1,709	
TOTAL	40,776	1,709	0	0	0	0	1,709	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	

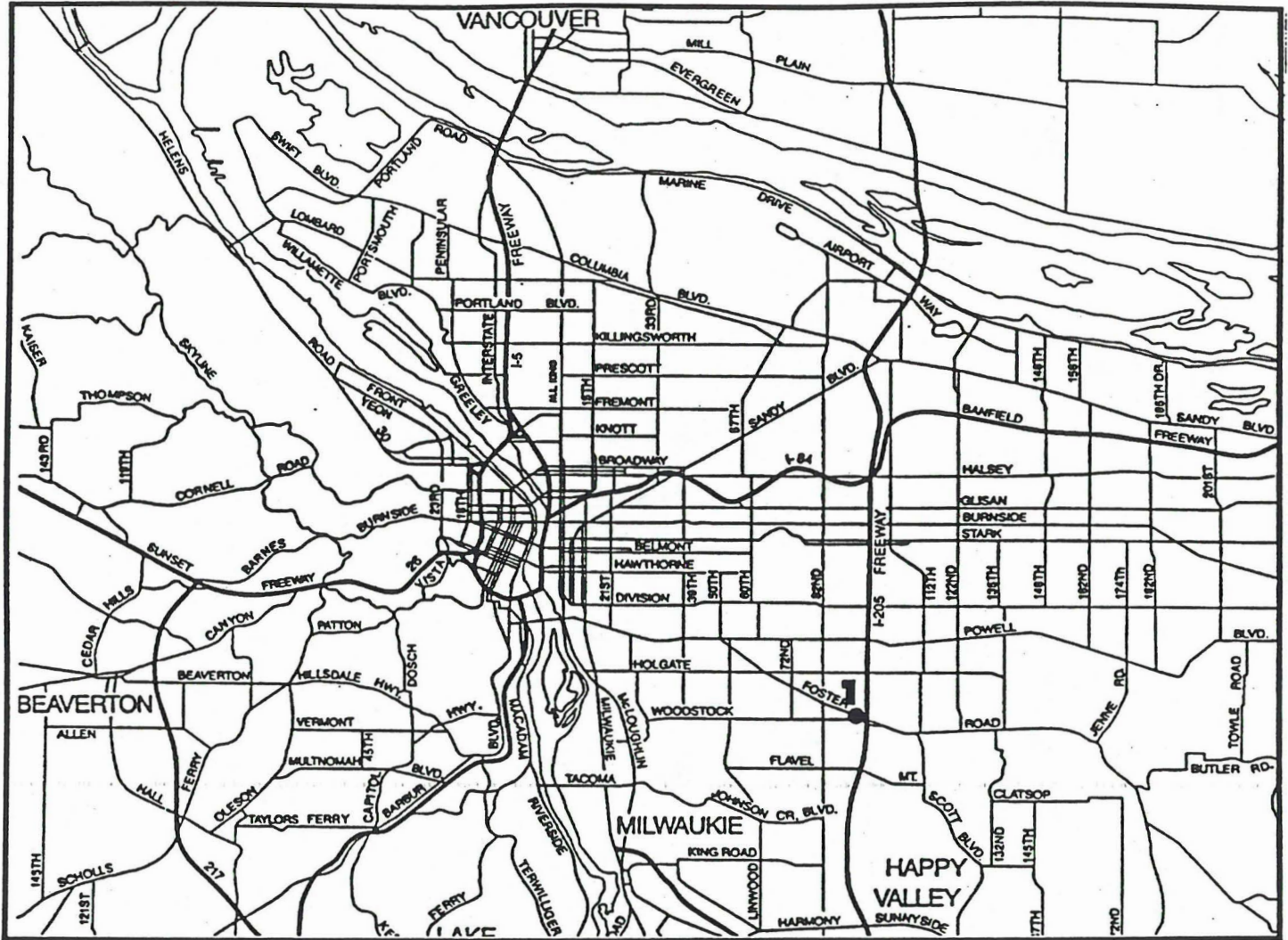


(UNMAPPED - City-wide)

1. Commercial/Industrial Projects
2. Deficiency Corrections Program

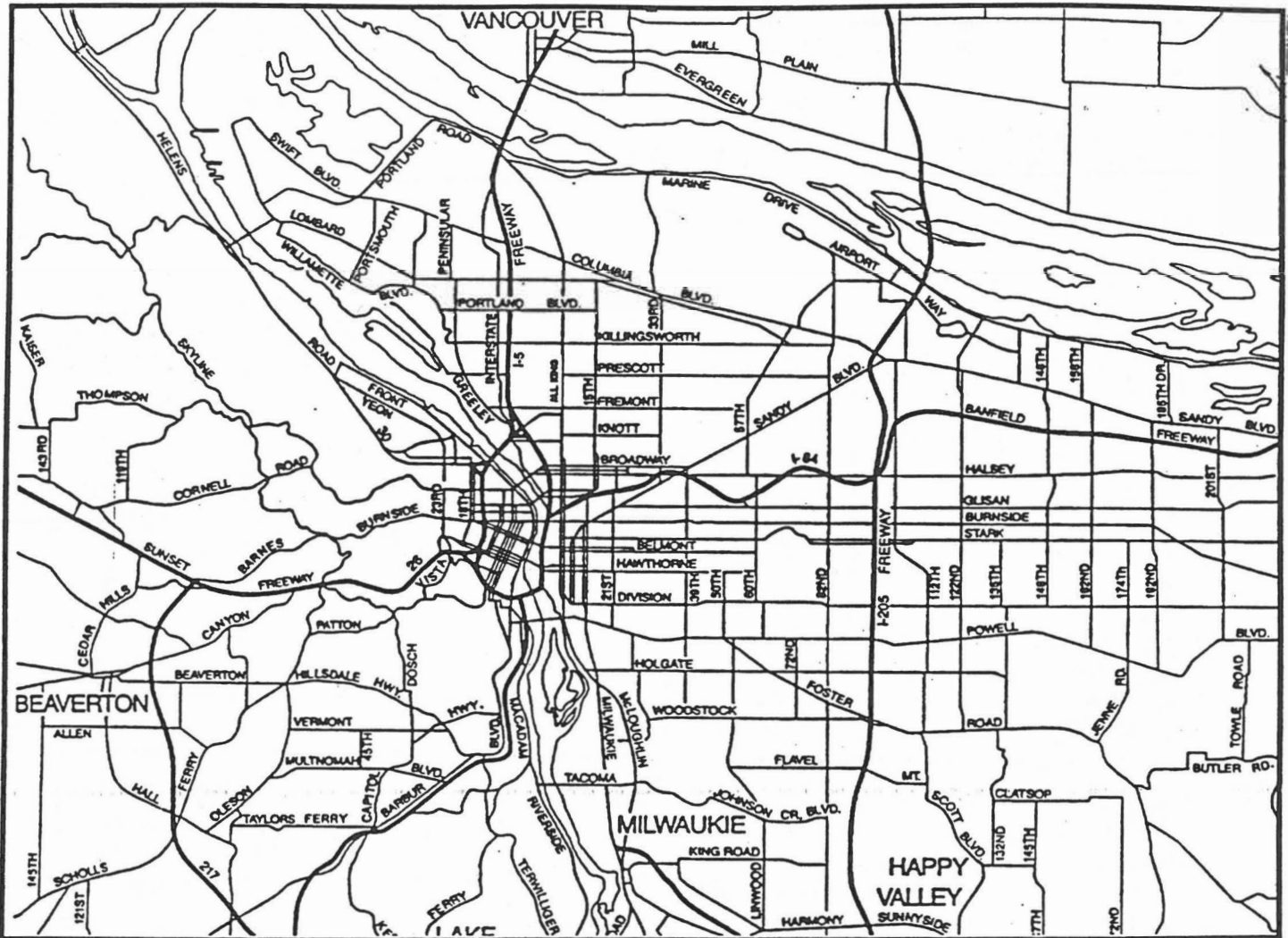
Note: Please refer to the appropriate Program Section for the specific year project occurs.

PROGRAM LOCATION MAP



1. Lents
2. HES Safety Improvements/SE and NE (unmapped)

Note: Please refer to the appropriate Program Section for the specific year project occurs.



(UNMAPPED - City-wide)

1. School Crossing Safety, Unit 6 & 7
2. School Beacons, Unit 1 & 2
3. Pedestrian Crossing Overhead Signs, Unit 2 & 3
4. Safety Improvement, Unit 2

PROJECT DETAIL

PROJECT: PED. XING OVERHEAD SIGNS, U.2

OBJECTIVES

Capital System: Transportation
 Program: Street Improvement Program
 Subprogram: Traffic Signal System

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

Public Facility Plan?	NO	System Ranking:	46
Asset Mgmt Plan?	YES	Urban Services?	NO
		Financial Analysis?	YES

City-wide Ranking:	
Identification No:	SIG/266
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

This project will provide overhead warning signs and other pedestrian crossing warning devices at 15 locations.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	30,000	50,000	100,000	50,000			200,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	30,000	50,000	100,000	50,000	0	0	200,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning	.	P	P	.	.	.		
Design/Proj Mgt	.	D	D	.	.	.		
Site Acquisition	.	.	.	.	.	.
Constr/Equip	.	C	C	.	.	.		
EST OPER/MAINT COSTS							0	

PROJECT: SAFETY IMPROVE., UN. 2 CONST.

OBJECTIVES

Capital System: Transportation
 Program: Street Improvement Program
 Subprogram: Traffic Signal System

Maintain Capacity	X
Upgrade Exist Facility	
Add Capacity	

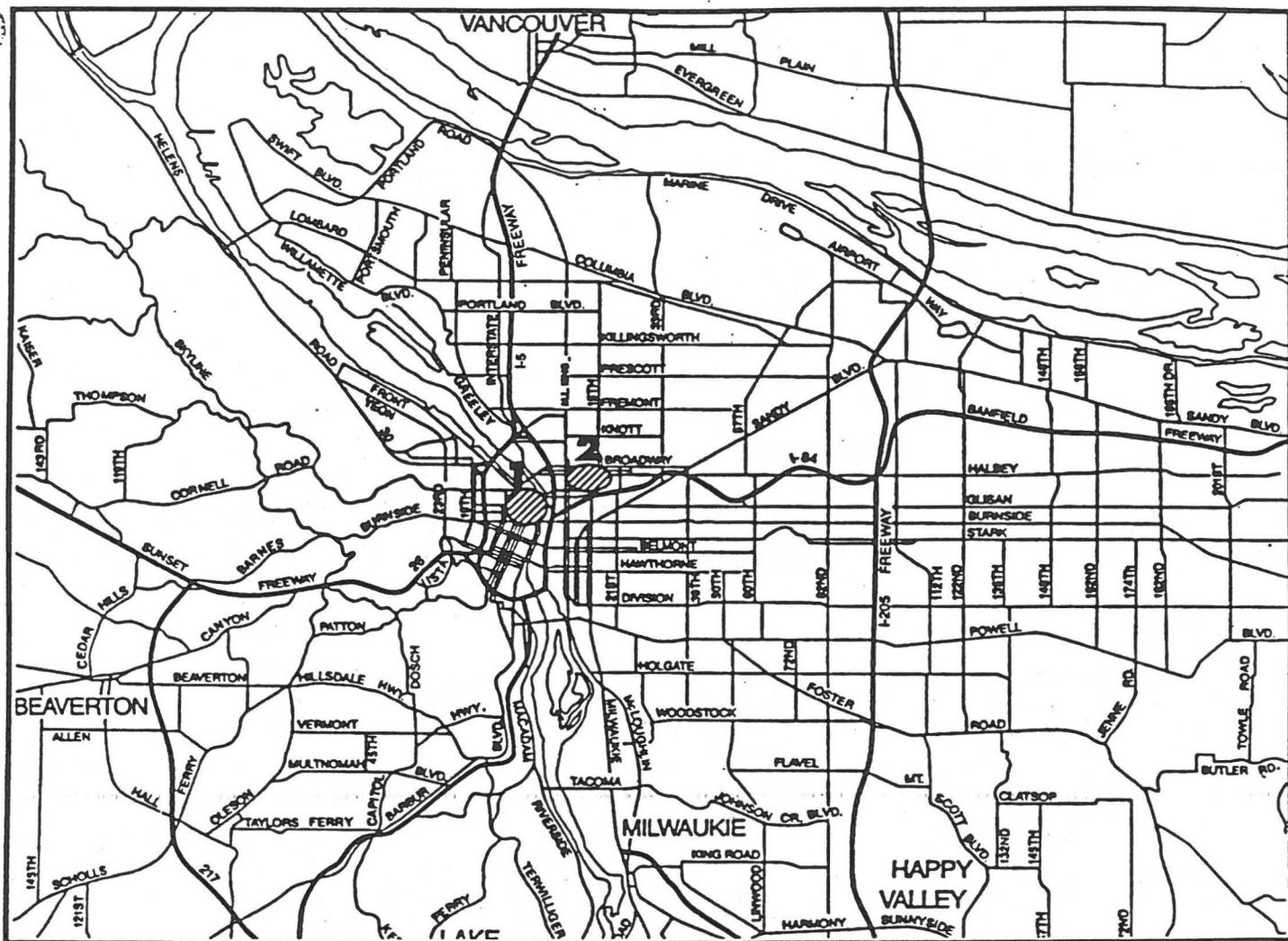
Public Facility Plan?	NO	System Ranking:	111
Asset Mgmt Plan?	YES	Urban Services?	NO
		Financial Analysis?	YES

City-wide Ranking:	
Identification No:	SIG/175
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

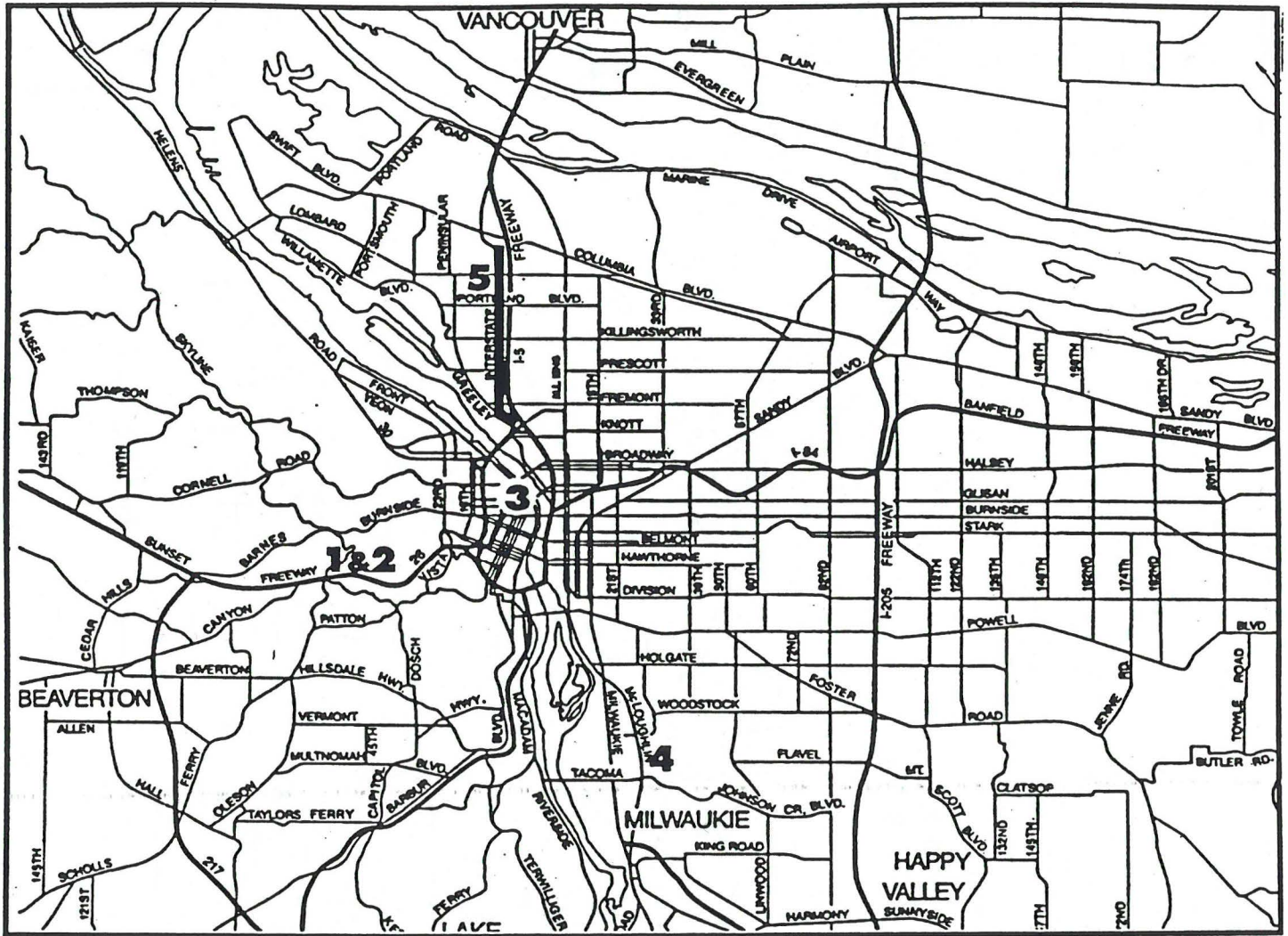
TRAFFIC SAFETY UNIT 2 CONSTRUCTION; REBUDGET GRANT APPROPRIATION FROM FY94.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation							0	
Rate/Charge/Contracts							0	
Fed/State/Other Local	0	8,056					8,056	
Other							0	
TOTAL	0	8,056	0	0	0	0	8,056	0
TOTAL LEVERAGED							0	
COSTS								
Planning	.	.						
Design/Proj Mgt	D	.						
Site Acquisition	.	.						
Constr/Equip	C	C						
EST OPER/MAINT COSTS							0	



1. Old Town Lighting
2. OCC/Lloyd District Lighting
3. Purchase Annexed Lights - City-wide, not mapped

Note: Please refer to the appropriate Program Section for the specific year project occurs.



- 1 and 2. Westside Tunnel and Surface Light Rail
- 3. Downtown Light Rail
- 4. Milwaukie/I-205 Light Rail
- 5. I-5/Vancouver Light Rail
- 6. Regional Rail, City-wide - not mapped

Note: Please refer to the appropriate Program Section for the specific year project occurs.

PROJECT DETAIL

PROJECT: WESTSIDE LIGHT RAIL-LS4C

OBJECTIVES

Capital System: Transportation
 Program: Transit
 Subprogram: Regional Transitways

Maintain Capacity	
Upgrade Exist Facility	
Add Capacity	X

Public Facility Plan? YES
 Asset Mgmt Plan? YES

System Ranking: 2
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No: WSR/100
 Neighborh'd Needs No:

PROJECT DESCRIPTION:

WESTSIDE LIGHT RAIL CONSTRUCTION IN THE DOWNTOWN AND GOOSE HOLOW SEGMENT OF THE PROJECT.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	3,270,534	1,216,486	1,216,486				2,432,972	
Rate/Charge/Contracts	0	890,354	480,129	134,500	61,600	0	1,566,583	
Fed/State/Other Local	999,175		55,000				55,000	
Other							0	
TOTAL	4,269,709	2,106,840	1,751,615	134,500	61,600	0	4,054,555	0
TOTAL LEVERAGED							0	
COSTS								
Planning			.	.	.	.
Design/Proj Mgt			.	.	.	.
Site Acquisition			.	.	.	.
Constr/Equip			C	C	C	.		
EST OPER/MAINT COSTS							0	

PROJECT: WESTSIDE LIGHT RAIL-LS5 TUNNEL

OBJECTIVES

Capital System: Transportation
 Program: Transit
 Subprogram: Regional Transitways

Maintain Capacity	
Upgrade Exist Facility	
Add Capacity	X

Public Facility Plan? YES
 Asset Mgmt Plan? YES

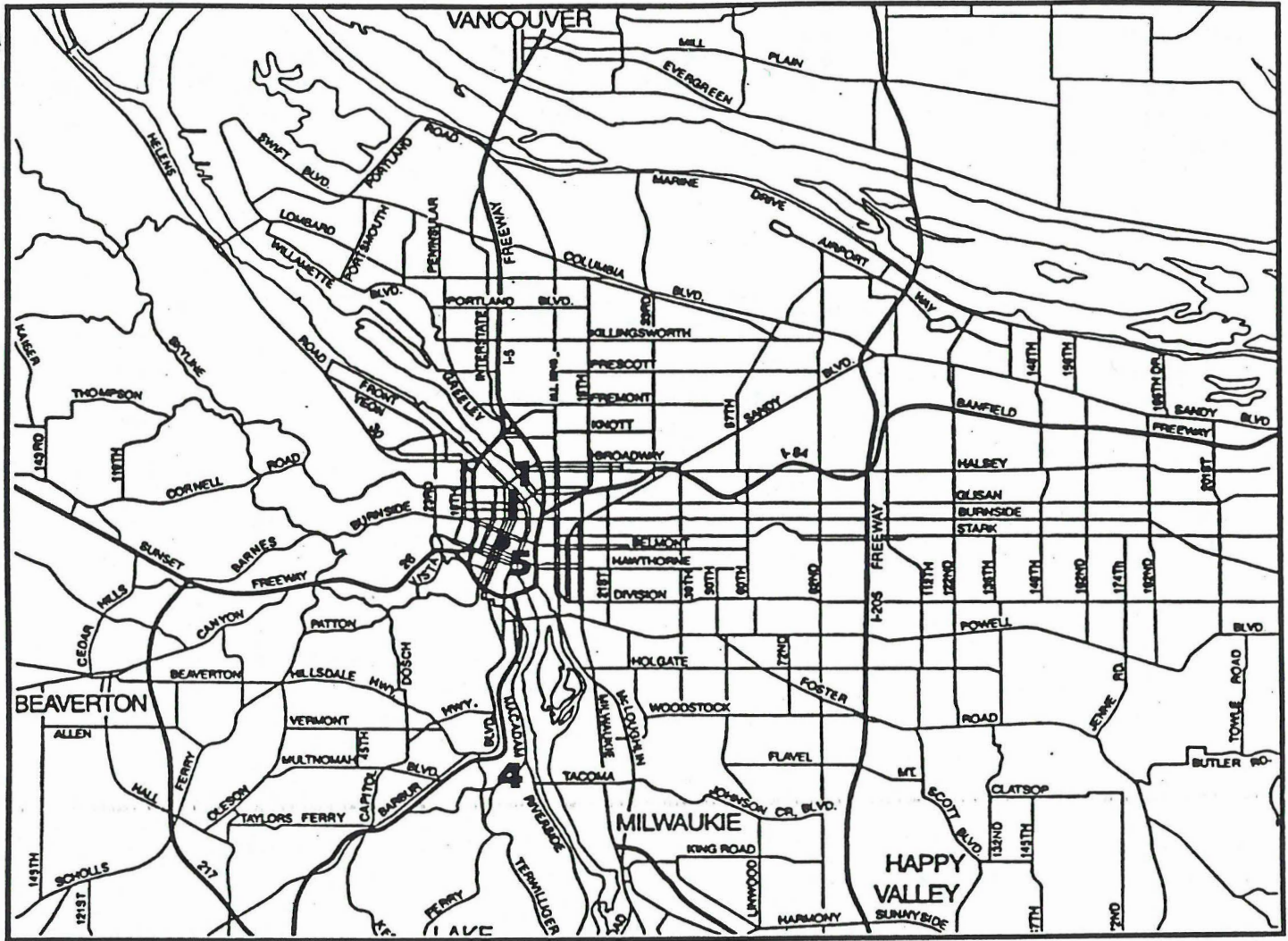
System Ranking: 3
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No: WSR/150
 Neighborh'd Needs No:

PROJECT DESCRIPTION:

CONSTRUCTION OF THE WESTSIDE LIGHT RAIL TUNNEL FROM THE WASHINGTON PARK PORTAL TO SW 76TH.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation							0	
Rate/Charge/Contracts	0	68,005	75,843	41,500			185,348	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	68,005	75,843	41,500	0	0	185,348	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip			C	C				
EST OPER/MAINT COSTS							0	



1. North Transit Mall Extension
2. Transit Transfers, Unit 5, not mapped
3. Transit Preferential Streets, not mapped
4. Willamette Shore Trolley
5. Transit Mall Restoration
6. Central City Streetcar, not mapped

Note: Please refer to the appropriate Program Section for the specific year project occurs.

PROJECT DETAIL

PROJECT: TRANSIT PREFERENTIAL STREETS

OBJECTIVES

Capital System: Transportation
 Program: Transit
 Subprogram: Major Transit Streets

Maintain Capacity	X
Upgrade Exist Facility	
Add Capacity	

Public Facility Plan? YES
 Asset Mgmt Plan? YES
 System Ranking: 56
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No: TRP/480
 Neighbor'd Needs No:

PROJECT DESCRIPTION:

IMPLEMENT THE TRI-MET 10 MINUTE CORRIDOR CONCEPT BY CONSTRUCTING IMPROVEMENTS ON MAJOR CITY TRANSIT STREETS, AND REGIONAL TRANSITWAYS TO PROVIDE PREFERENTIAL TRANSIT TREATMENTS TO PROVIDE IMPROVED ACCESS TO TRANSIT FOR PATRONS, AND TO IMPROVE TRANSIT TRAVEL TIMES. THE IMPROVEMENTS RANGE FROM PEDESTRIAN IMPROVEMENTS TO BUS LANES, AND SIGNAL PRIORITY IMPROVEMENTS.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	20,740	20,000	20,000	30,000	30,000	50,000	150,000	50,000
Rate/Charge/Contracts							0	
Fed/State/Other Local	82,958	80,000	80,000	120,000	120,000	200,000	600,000	200,000
Other							0	
TOTAL	103,698	100,000	100,000	150,000	150,000	250,000	750,000	250,000
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	

PROJECT: WILLAMETTE SHORE TROLLEY

OBJECTIVES

Capital System: Transportation
 Program: Transit
 Subprogram: Major Transit Streets

Maintain Capacity	X
Upgrade Exist Facility	
Add Capacity	

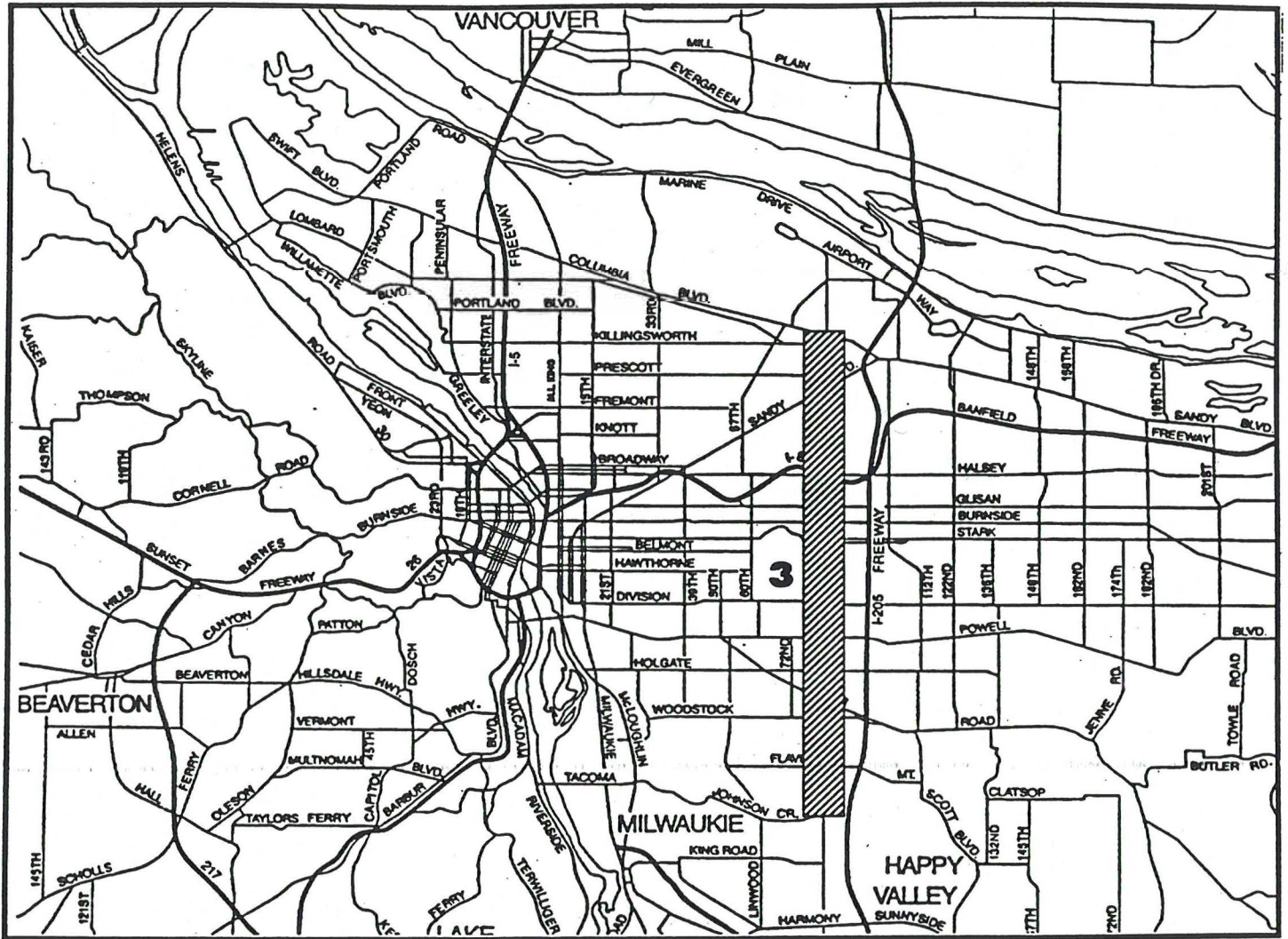
Public Facility Plan? NO
 Asset Mgmt Plan? YES
 System Ranking: 744
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No: CCT/503
 Neighbor'd Needs No:

PROJECT DESCRIPTION:

MARKETING ASSISTANCE FOR TROLLEY.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	29,554	21,000	22,000	23,000	24,000	25,000	115,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	29,554	21,000	22,000	23,000	24,000	25,000	115,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning			P	P	P	P		
Design/Proj Mgt								
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	



(UNMAPPED - City-wide)

1. Expand Citywide Signal System, Unit 5, City-wide - not mapped
2. PDX Signal Retiming Project, City-wide - not mapped
3. 82nd Avenue Signal Operations

PROJECT DETAIL

PROJECT: PDX SIGNAL RETIMING PROJECT

OBJECTIVES

Capital System: Transportation
Program: Alternative Modes
Subprogram: Advance Transportation Management Syst

Maintain Capacity	X
Upgrade Exist Facility	
Add Capacity	

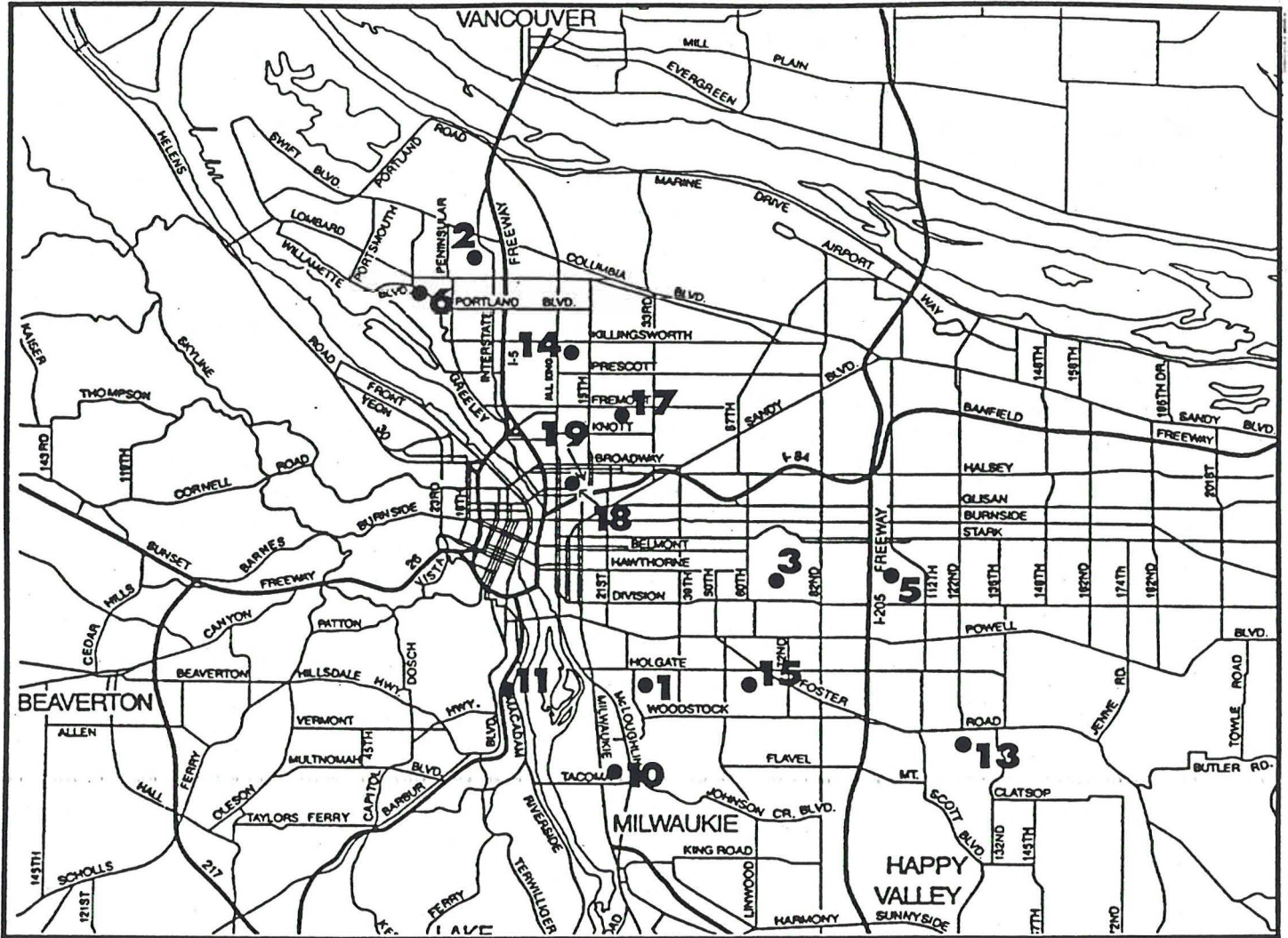
Public Facility Plan?	YES	System Ranking:	99
Asset Mgmt Plan?	YES	Urban Services?	NO
		Financial Analysis?	YES

City-wide Ranking:	
Identification No:	SIG/273
Neighbor'd Needs No:	

PROJECT DESCRIPTION:

THIS IS THE THIRD PHASE OF A FOUR PHASE PROGRAM TO RETIME TRAFFIC SIGNALS IN THE CITY. DURING EACH PHASE, APPROXIMATELY 150 LOCATIONS WILL BE RETIMED. THIS ACTIVITY GENERALLY HAS A 10 TO 1 OR GREATER BENEFIT TO COST RATIO. IMPROVED SIGNAL TIMING IMPROVES AIR QUALITY AND REDUCES ENERGY USE.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	67,781	67,521				135,302	
Rate/Charge/Contracts							0	
Fed/State/Other Local	125,000	60,003	57,999				118,002	
Other							0	
TOTAL	125,000	127,784	125,520	0	0	0	253,304	0
TOTAL LEVERAGED							0	
COSTS								
Planning	.	P	P	.	.	.		
Design/Proj Mgt	.	D	D	.	.	.		
Site Acquisition	.	.	.	.	.	.
Constr/Equip	.	C	C	C	.	.		
EST OPER/MAINT COSTS							0	



- | | |
|--|---|
| <ul style="list-style-type: none"> 1. SE Gladstone 2. N. Denver 3. SE 76th 4. ATCP Project #3, (not mapped) 5. SE Market 6. N. Willamette Blvd. 7. Speed Bump Program (City-wide, not mapped) 8. ATCP Test Projects (City-wide, not mapped) 9. ACTP Project #1 (not mapped) 10. SE 17th 11. SW Corbett 12. New NTMP Projects (City-wide, not mapped) 13. SE Brookside Drive 14. NE 14th Place 15. SE Harold | <ul style="list-style-type: none"> 16. Neighborhood Rideshare Co-op
(City-wide, not mapped) 17. NE 21st/24th 18. Lloyd District TMA 19. Lloyd Center Metering |
|--|---|

Note: Please refer to the appropriate Program Section for the specific year project occurs.

PROJECT DETAIL

PROJECT: SE 76TH
Capital System: Transportation
Program: Alternative Modes
Subprogram: Traffic Management

OBJECTIVES
 Maintain Capacity
 Upgrade Exist Facility
 Add Capacity

System Ranking: 44
Public Facility Plan? YES
Asset Mgmt Plan? YES
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No: NTM/022
Neighborh'd Needs No:

PROJECT DESCRIPTION:

CONSTRUCTION OF NTMP DEVICES ON SE 76TH BETWEEN SE WASHINGTON AND SE DIVISION. PROJECTED DEVICES INCLUDE 16 CURB EXTENSIONS AT 4 INTERSECTIONS AND 6 SPEED BUMPS.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	65,607	177,071				242,678	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	65,607	177,071	0	0	0	242,678	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	P	P	.	.	.		
Design/Proj Mgt	.	D	D	D	.	.		
Site Acquisition	.	.	.	.	.	.
Constr/Equip	.	.	.	C	C	.		
EST OPER/MAINT COSTS							0	

PROJECT: ATCP PROJECT #3
Capital System: Transportation
Program: Alternative Modes
Subprogram: Traffic Management

OBJECTIVES
 Maintain Capacity
 Upgrade Exist Facility
 Add Capacity

System Ranking: 49
Public Facility Plan? YES
Asset Mgmt Plan? YES
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No: NTM/008
Neighborh'd Needs No:

PROJECT DESCRIPTION:

CONTINUED PLANNING AND DESIGN FOR ATCP PROJECT UNDERTAKEN IN FY 94. LOCATION SELECTED FROM RANKED LIST. CONSTRUCTION FUNDS REQUESTED IN FY 97.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	12,821	54,427				67,248	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	12,821	54,427	0	0	0	67,248	0
TOTAL LEVERAGED							0	
COSTS								
Planning	.	P	P	P	P	.		
Design/Proj Mgt	.	.	.	D	D	.		
Site Acquisition	.	.	.	.	.	.
Constr/Equip	.	.	.	.	C	.		
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: **SPEED BUMP PROGRAMS**

OBJECTIVES

Capital System: *Transportation*
Program: *Alternative Modes*
Subprogram: *Traffic Management*

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

Public Facility Plan?	YES	System Ranking:	53
Asset Mgmt Plan?	YES	Urban Services?	NO
		Financial Analysis?	YES

City-wide Ranking:	
Identification No:	NTM/207
Neighbor'h'd Needs No:	

PROJECT DESCRIPTION:

CONSTRUCT 50 SPEED BUMPS UNDER NEW CRITERIA DEVELOPED FOR LOCAL SERVICE STREET AND PERMIT PROGRAMS.

FUNDING SOURCES	<i>Prior Yrs</i>	<i>FY 94-95</i>	<i>FY 95-96</i>	<i>FY 96-97</i>	<i>FY 97-98</i>	<i>FY 98-99</i>	<i>5 Yr Total</i>	<i>Yrs 6-10</i>
General Fund							0	
Transportation	0	151,967	148,851				300,818	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	151,967	148,851	0	0	0	300,818	0
TOTAL LEVERAGED							0	
COSTS								
Planning	.	P	P	P	.	.		
Design/Proj Mgt	.	.	.	.	.	.
Site Acquisition	.	.	.	.	.	.
Constr/Equip	.	C	C	C	.	.		
EST OPER/MAINT COSTS							0	

PROJECT: **ATCP TEST PROJECTS**

OBJECTIVES

Capital System: *Transportation*
Program: *Alternative Modes*
Subprogram: *Traffic Management*

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

Public Facility Plan?	YES	System Ranking:	54
Asset Mgmt Plan?	YES	Urban Services?	NO
		Financial Analysis?	YES

City-wide Ranking:	
Identification No:	NTM/628
Neighbor'h'd Needs No:	

PROJECT DESCRIPTION:

FINAL CONSTRUCTION OF 3 SLOW POINTS ON NE 15TH BETWEEN NE FREMONT AND NE PRESCOTT. THESE WERE PART OF AN ATCP TEST PROJECT WHICH BEGAN IN FY 94.

FUNDING SOURCES	<i>Prior Yrs</i>	<i>FY 94-95</i>	<i>FY 95-96</i>	<i>FY 96-97</i>	<i>FY 97-98</i>	<i>FY 98-99</i>	<i>5 Yr Total</i>	<i>Yrs 6-10</i>
General Fund							0	
Transportation	0	58,174	84,654				142,828	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	58,174	84,654	0	0	0	142,828	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	.	.	.	.	.
Design/Proj Mgt	D	D	D	.	.	.		
Site Acquisition	.	.	.	.	.	.
Constr/Equip	.	C	C	C	.	.		
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: SW CORBETT (SOUTH)

OBJECTIVES

Capital System: Transportation
Program: Alternative Modes
Subprogram: Traffic Management

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

Public Facility Plan? YES
 Asset Mgmt Plan? YES

System Ranking:	58
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	NTM/206
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

THIS IS PHASE TWO OF A TWO PHASE NTMP PROJECT ON SW CORBETT/NEBRASKA/VIRGINIA. A PORTION OF FUNDS NEEDED FOR THIS PROJECT IN FY 95 WILL COME FROM FY 94 CARRYOVER. CONSTRUCTION FUNDS ARE REQUESTED IN FY 96. DEVICES MAY INCLUDE 12 CURB EXTENSIONS AT 3 INTERSECTIONS, 12 SPEED BUMPS AND A POSSIBLE SEMI-DIVERTER.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	107,915	81,000	144,571				225,571	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	107,915	81,000	144,571	0	0	0	225,571	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	P	P	.	.	.		
Design/Proj Mgt	.	D	D	D	.	.		
Site Acquisition	.	.	.	.	.	.
Constr/Equip	.	.	.	C	.	.		
EST OPER/MAINT COSTS							0	

PROJECT: SE BROOKSIDE DRIVE

OBJECTIVES

Capital System: Transportation
Program: Alternative Modes
Subprogram: Traffic Management

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

Public Facility Plan? YES
 Asset Mgmt Plan? YES

System Ranking:	86
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	NTM/205
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

FINAL CONSTRUCTION OF A CUL-DE-SAC WHICH WAS REQUIRED TO BE BUILT AS PART OF A LAND USE DECISION.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	89,172	12,945					12,945	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	89,172	12,945	0	0	0	0	12,945	0
TOTAL LEVERAGED							0	
COSTS								
Planning	.	.	.	.	.	.
Design/Proj Mgt	D	.	.	.	.	.
Site Acquisition	.	.	.	.	.	.
Constr/Equip	C	C	.	.	.	.
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: LLOYD CENTER METERING PROGRAM

Capital System: Transportation
Program: Alternative Modes
Subprogram: Traffic Management

Public Facility Plan? YES
Asset Mgmt Plan? YES

System Ranking: 91
Urban Services? NO
Financial Analysis? YES

OBJECTIVES

Maintain Capacity
 Upgrade Exist Facility **X**
 Add Capacity

City-wide Ranking:
Identification No: PKM/902
Neighborh'd Needs No:

PROJECT DESCRIPTION:

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	1,149,000					1,149,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	1,149,000	0	0	0	0	1,149,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	

PROJECT: NTM SCHOOL SAFETY PROJECT

Capital System: Transportation
Program: Alternative Modes
Subprogram: Traffic Management

Public Facility Plan? YES
Asset Mgmt Plan? YES

System Ranking: 95
Urban Services? NO
Financial Analysis? YES

OBJECTIVES

Maintain Capacity
 Upgrade Exist Facility **X**
 Add Capacity

City-wide Ranking:
Identification No: NTM/017
Neighborh'd Needs No:

PROJECT DESCRIPTION:

THIS PROJECT WILL SUPPORT "PORTLAND KIDS ON THE MOVE," AN INITIATIVE TO MAKE PORTLAND'S STREETS SAFE FOR SCHOOL CHILDREN AND EDUCATE CHILDREN ABOUT TRANSPORTATION OPTIONS AND TRAFFIC SAFETY. SCHOOLS AROUND THE CITY WILL BE CHOSEN TO RECEIVE STREET IMPROVEMENTS THAT WILL SLOW TRAFFIC, IMPROVE CROSSINGS AND SIDEWALKS, AND GENERALLY ENHANCE SAFETY FOR CHILDREN IN THE NEIGHBORHOOD OF THEIR SCHOOL.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	362,200					362,200	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	362,200	0	0	0	0	362,200	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: NE 21ST/24TH

OBJECTIVES

Capital System: Transportation
Program: Alternative Modes
Subprogram: Traffic Management

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

Public Facility Plan? YES NO
Asset Mgmt Plan? YES NO
System Ranking: 104 4
Urban Services? YES NO
Financial Analysis? YES NO

City-wide Ranking:
Identification No: NTM/212
Neighbor'd Needs No:

PROJECT DESCRIPTION:

FUNDING FOR THIS PROJECT FOR FY 95 WILL COME FROM CARRYOVER OF FY 94 FUNDS. ADDITIONAL FUNDS ARE BEING REQUESTED FOR FY 96 TO COMPLETE CONSTRUCTION. POTENTIAL DEVICES MAY INCLUDE 8 CURB EXTENSIONS AND 8 SPEED BUMPS ON NE 21ST AND NE 24TH BETWEEN NE KNOTT AND NE FREMONT.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	116,304	6,600				122,904	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	116,304	6,600	0	0	0	122,904	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	.	P	.	.	.		
Design/Proj Mgt	D	D	D	.	.	.		
Site Acquisition	.	.	.	.	.	.
Constr/Equip	.	C	C	C	.	.		
EST OPER/MAINT COSTS							0	

PROJECT: SW VIRGINIA NTMP

OBJECTIVES

Capital System: Transportation
Program: Alternative Modes
Subprogram: Traffic Management

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

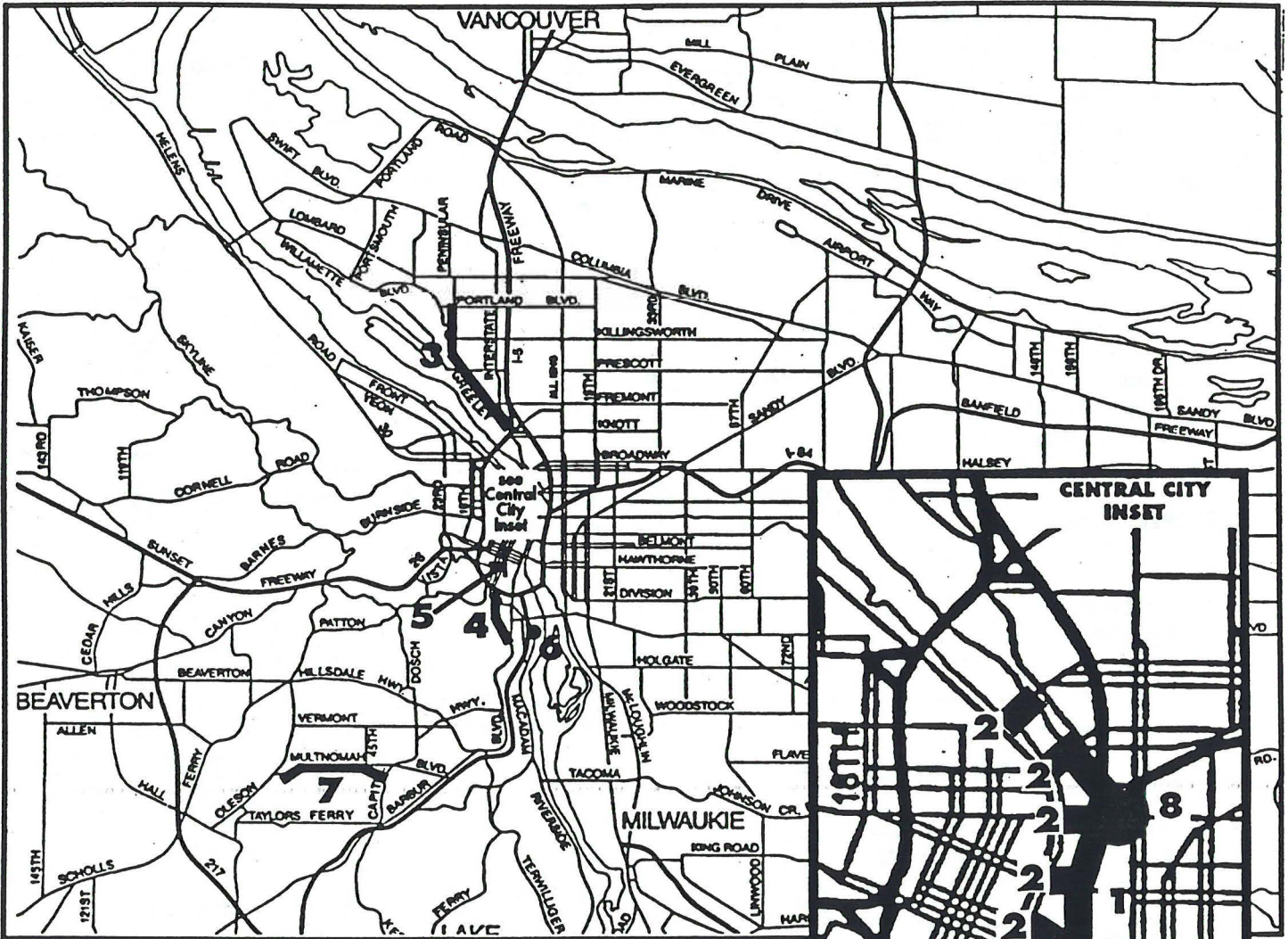
Public Facility Plan? YES NO
Asset Mgmt Plan? YES NO
System Ranking: 108 8
Urban Services? YES NO
Financial Analysis? YES NO

City-wide Ranking:
Identification No: NTM/204
Neighbor'd Needs No:

PROJECT DESCRIPTION:

FINAL DESIGN AND CONSTRUCTION OF A MEDIAN ISLAND ON SW VIRGINIA AT TAYLORS FERRY

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	15,588					15,588	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	15,588	0	0	0	0	15,588	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	.						
Design/Proj Mgt	D	D						
Site Acquisition	.	.						
Constr/Equip	.	C						
EST OPER/MAINT COSTS							0	



1. Eastbank Esplanade/Local Match
 2. Willamette River Bridges Access
 3. N. Greeley Avenue Bikeway Connection
 4. SW 4th/Barbur Bicycle Lanes
 5. Central City Bike Lanes
 6. SW Moody Avenue Bikeway
 7. Multnomah Blvd. Bikeway
 8. Burnside Bridge/East Access
- UNMAPPED
9. Bike Central
 10. SE Bikeways

Note: Please refer to the appropriate Program Section for the specific year project occurs.

PROJECT DETAIL

PROJECT: CENTRAL CITY BIKE LANES.

OBJECTIVES

Capital System: Transportation
Program: Alternative Modes
Subprogram: Bicycle Program

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

Public Facility Plan? NO
Asset Mgmt Plan? YES
System Ranking: 13
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No: ATP/217
Neighborhood Needs No:

PROJECT DESCRIPTION:

RETROFIT ARTERIAL STREETS IN THE CENTRAL CITY IDENTIFIED THROUGH CCTMP PUBLIC PROCESS WITH BIKE LANES. FY95 AND 96 CIP REQUEST WILL IMPLEMENT SIX LANE MILES OF ARTERIALS; SUBSEQUENT YEAR REQUESTS WILL IMPLEMENT 5-20 LANE MILES PER YEAR. THIS IS AN IMPORTANT COMPENENT OF OUR BICYCLE MASTER PLAN.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	60,000	100,000	100,000	100,000	100,000	460,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	60,000	100,000	100,000	100,000	100,000	460,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	.	.	.	.	.
Design/Proj Mgt	D	D	D	D	D	D		
Site Acquisition	.	.	.	.	.	.
Constr/Equip	C	C	C	C	C	C		
EST OPER/MAINT COSTS							0	

PROJECT: SW MOODY AVE. BIKEWAY

OBJECTIVES

Capital System: Transportation
Program: Alternative Modes
Subprogram: Bicycle Program

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

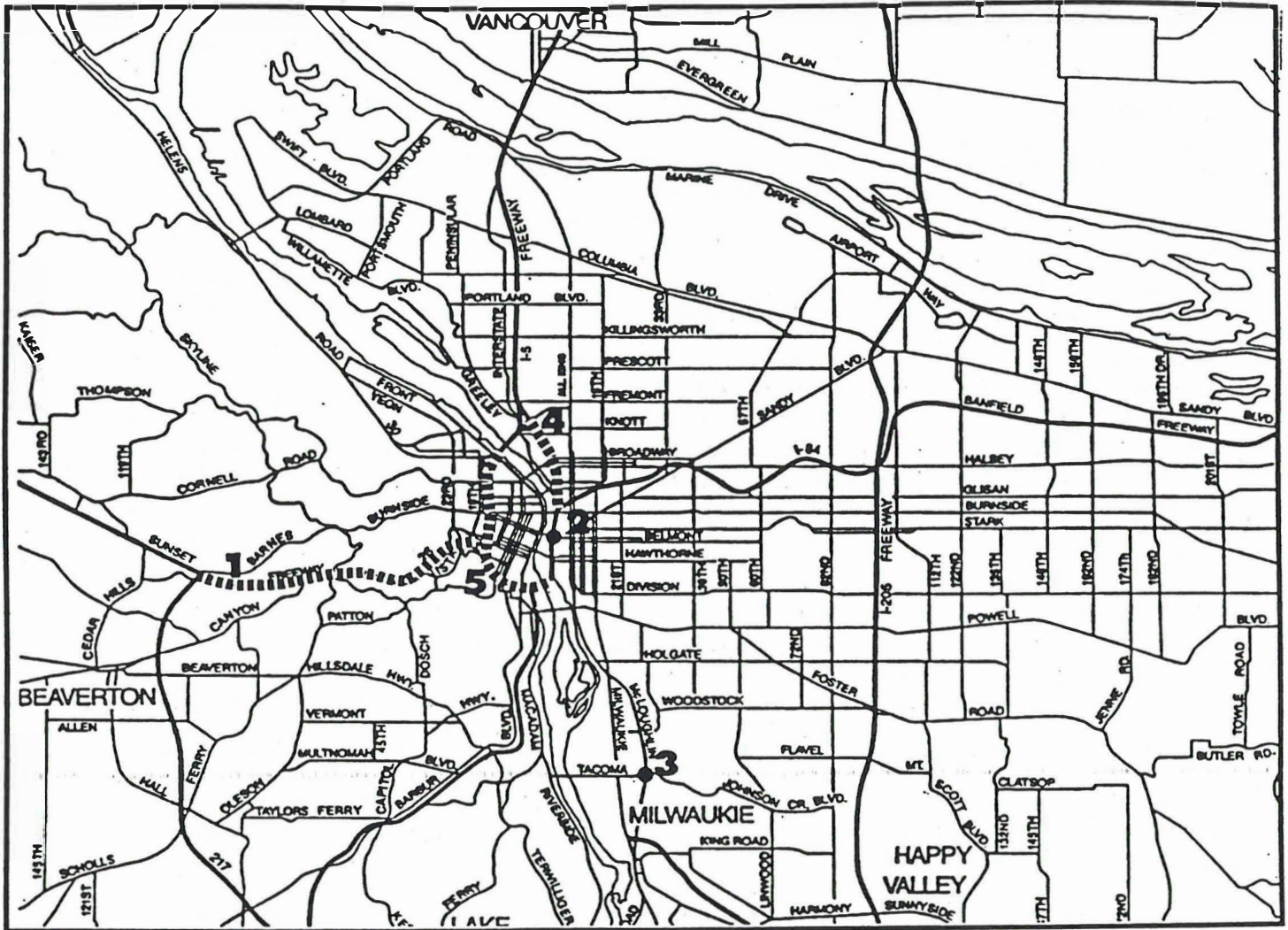
Public Facility Plan? YES
Asset Mgmt Plan? YES
System Ranking: 18
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No: ATP/200
Neighborhood Needs No:

PROJECT DESCRIPTION:

THIS PROJECT WILL CONSTRUCT AN IMPORTANT MISSING LINK ON MOODY AVE. ALONG THE WILLAMETTE GREENWAY PATH, WHICH IS A HEAVILY-USED COMMUTER AND RECREATIONAL WALKING FACILITY.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	68,500	75,124					75,124	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	68,500	75,124	0	0	0	0	75,124	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	.	.	.	.	.
Design/Proj Mgt	D	.	.	.	.	.
Site Acquisition	.	.	.	.	.	.
Constr/Equip	C	C	C	C	C	C		
EST OPER/MAINT COSTS							0	



1. Sunset Highway
2. E. Marquam Ramps/Water Avenue 1 & 2
3. McLoughlin/Tacoma Overpass
4. I-5 Greeley/Banfield, Phase 2
5. I-405 Reconnaissance

Note: Please refer to the appropriate Program Section for the specific year project occurs.

PROJECT DETAIL

PROJECT: MCLOUGHLIN/TACOMA OVERPASS

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Regional Trafficway

Maintain Capacity	
Upgrade Exist Facility	
Add Capacity	X

Public Facility Plan?	YES	System Ranking:	31
Asset Mgmt Plan?	YES	Urban Services?	NO
		Financial Analysis?	YES

City-wide Ranking:	
Identification No:	AE /306
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

PROJECT WILL RE-CONSTRUCT SE TACOMA-MCLOUGHLIN INTERCHANGE, PROVIDING FULL GRADE SEPARATION. POSITIVE IMPACTS INCLUDE REDUCED CONGESTION AND REDUCED NEIGHBORHOOD TRAFFIC, IMPROVED TRANSIT FACILITIES AND IMPROVED PEDESTRIAN SAFETY.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	6,195					6,195	
Rate/Charge/Contracts							0	
Fed/State/Other Local	48,736	0					0	
Other							0	
TOTAL	48,736	6,195	0	0	0	0	6,195	0
TOTAL LEVERAGED	0	4,650,000					4,650,000	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Const/Equip								
EST OPER/MAINT COSTS							0	

PROJECT: I-5 GREELEY BANFIELD PH 2

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Regional Trafficway

Maintain Capacity	
Upgrade Exist Facility	
Add Capacity	X

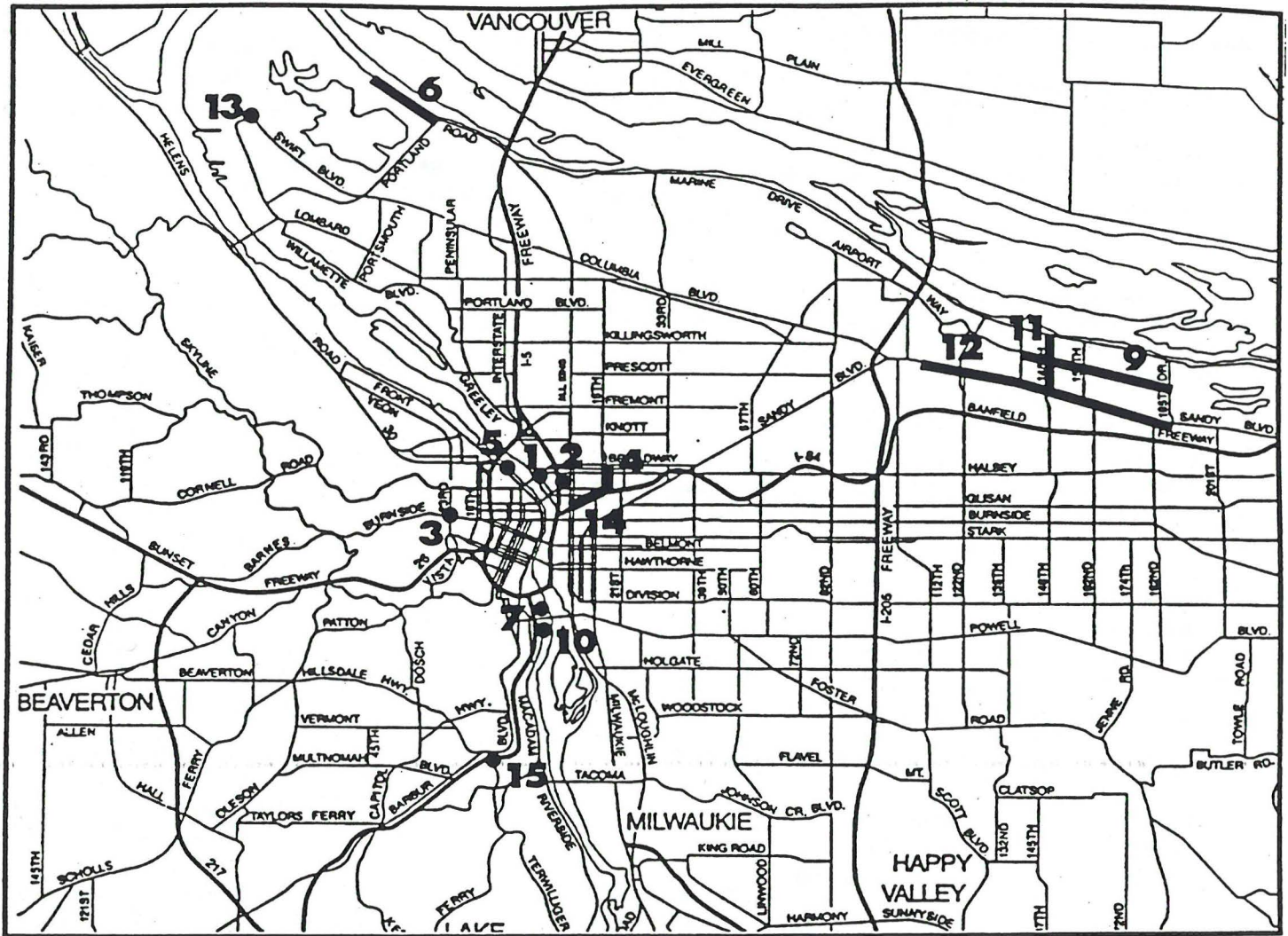
Public Facility Plan?	YES	System Ranking:	64
Asset Mgmt Plan?	YES	Urban Services?	NO
		Financial Analysis?	YES

City-wide Ranking:	
Identification No:	TRP/744
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

A TSM PROJECT TO CORRECT CAPACITY AND SAFETY PROBLEMS ON I-5 BETWEEN I-405 INTERCHANGE AND THE I-84 INTERCHANGE. THE PROJECT INCLUDES COLLECTOR DISTRIBUTOR ROADS SERVING THE FREEWAY TO FREE-WAY CONNECTIONS AS WELL AS THE BROADWAY/WEIDLER INTERCHANGE. THE PROJECT IS TO BE CONSTRUCTED IN THREE PHASES.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation							0	
Rate/Charge/Contracts							0	
Fed/State/Other Local	14,113	24,947	20,000	53,344	53,344	27,900,000	28,051,635	3,000,000
Other							0	
TOTAL	14,113	24,947	20,000	53,344	53,344	27,900,000	28,051,635	3,000,000
TOTAL LEVERAGED							0	
COSTS								
Planning				P	P			
Design/Proj Mgt					D	D		
Site Acquisition						A		
Const/Equip						C		
EST OPER/MAINT COSTS							0	



1. River Access, Phase I
2. Oregon Arena Project
3. NW 23rd & Burnside
4. 15th/16th, Phase I and II
5. River District
6. N. Marine Drive/Portland Road to Rivergate
7. North Macadam District
8. Oregon Arena Debt Service, not mapped
9. NE Airport Way
10. South Portland Circulation Study
11. NE 148th/Sandy Blvd. to NE Marine Drive
12. Sandy Blvd./101st to 185th
13. Columbia/Lombard-Rivergate South Entrance
14. Lloyd South Pathway
15. Terwilliger / I-5 Interchange

Note: Please refer to the appropriate Program Section for the specific year project occurs.

PROJECT DETAIL

PROJECT: TERWILLIGER/I-5 INTERCHANGE

Capital System: Transportation
 Program: Street Improvement Program
 Subprogram: Major Traffic Streets

OBJECTIVES
 Maintain Capacity X
 Upgrade Exist Facility
 Add Capacity

System Ranking: 9
 Urban Services? NO
 Financial Analysis? YES
 Public Facility Plan? YES
 Asset Mgmt Plan? YES

City-wide Ranking:
 Identification No: AE /408
 Neighbor'd Needs No:

PROJECT DESCRIPTION:

REPLACE EXISTING TERWILLIGER BRIDGE OVER I-5 WITH NEW CONNECTIONS TO TERWILLIGER, BARBUR & BERTHA. INCLUDES PEDESTRIAN & BICYCLE FACILITIES. IMPROVES SAFETY, REDUCES CONGESTION, REDUCES NEIGHBORHOOD TRAFFIC.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	2,325	9,458					9,458	
Rate/Charge/Contracts							0	
Fed/State/Other Local	44,486	0					0	
Other							0	
TOTAL	46,811	9,458	0	0	0	0	9,458	0
TOTAL LEVERAGED	0	2,057,600					2,057,600	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Const/Equip								
EST OPER/MAINT COSTS							0	

PROJECT: OREGON ARENA PROJECT

Capital System: Transportation
 Program: Street Improvement Program
 Subprogram: Major Traffic Streets

OBJECTIVES
 Maintain Capacity
 Upgrade Exist Facility X
 Add Capacity

System Ranking: 12
 Urban Services? NO
 Financial Analysis? YES
 Public Facility Plan? NO
 Asset Mgmt Plan? YES

City-wide Ranking:
 Identification No: CON/355
 Neighbor'd Needs No:

PROJECT DESCRIPTION:

This project includes the demolition and reconstruction of streets around the new Blazer Arena. Approximately 7,600 lf of new street will be constructed. Included in the estimate are 11 traffic signal installations, hazardous materials review, SSM permits, RWA services, and other support work performed by BTE, BTM and BOM.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	25,535						0	
Rate/Charge/Contracts	222,620	66,509	99,933	120,000	0	0	286,442	
Fed/State/Other Local							0	
Other							0	
TOTAL	248,155	66,509	99,933	120,000	0	0	286,442	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt			D					
Site Acquisition								
Const/Equip			C	C				
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: 15TH/16TH PHASE II
Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

OBJECTIVES
 Maintain Capacity
 Upgrade Exist Facility
 Add Capacity

System Ranking: 26
Urban Services? NO
Financial Analysis? YES
Public Facility Plan? NO
Asset Mgmt Plan? YES

City-wide Ranking:
Identification No: OCC/857
Neighborhood Needs No:

PROJECT DESCRIPTION:

THIS PROJECT IS THE SECOND HALF OF THE ORIGINAL 15TH/16TH, 16TH TWO-WAY PROJECT. THE FIRST PHASE WOULD BUILD THE 15TH/16TH DECOUPLE. THIS PHASE WOULD TWO-WAY 16TH WAY.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation				216,000	216,000	216,000	648,000	216,000
Rate/Charge/Contracts	0	150,282	2,309,470				2,459,752	
Fed/State/Other Local							0	
Other	0						0	
TOTAL	0	150,282	2,309,470	216,000	216,000	216,000	3,107,752	216,000
TOTAL LEVERAGED							0	
COSTS								
Planning			.	.	.	.
Design/Proj Mgt			D	.	.	.		
Site Acquisition			A	.	.	.		
Constr/Equip			.	C	.	.		
EST OPER/MAINT COSTS							0	

PROJECT: RIVER DISTRICT
Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

OBJECTIVES
 Maintain Capacity
 Upgrade Exist Facility
 Add Capacity

System Ranking: 39
Urban Services? NO
Financial Analysis? YES
Public Facility Plan? YES
Asset Mgmt Plan? YES

City-wide Ranking:
Identification No: CCT/504
Neighborhood Needs No:

PROJECT DESCRIPTION:

MANAGE TRANSPORTATION ELEMENTS OF THE RIVER DISTRICT DEVELOPMENT PLAN.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	288,381		208,681	214,000	221,500	231,000	875,181	
Rate/Charge/Contracts							0	
Fed/State/Other Local			0	0	0	0	0	
Other							0	
TOTAL	288,381	0	208,681	214,000	221,500	231,000	875,181	0
TOTAL LEVERAGED							0	
COSTS								
Planning			P	P	P	P		
Design/Proj Mgt			.	.	.	.
Site Acquisition			.	.	.	.
Constr/Equip			.	.	C	C		
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: NORTH MACADAM DISTRICT

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

Maintain Capacity
 Upgrade Exist Facility
 Add Capacity

Public Facility Plan? YES
 Asset Mgmt Plan? YES

System Ranking: 42
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No: OCC/867
 Neighbor'd Needs No:

PROJECT DESCRIPTION:

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	200,000					200,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	200,000	0	0	0	0	200,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Const/Equip								
EST OPER/MAINT COSTS							0	

PROJECT: NE AIRPORT WAY

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

Maintain Capacity
 Upgrade Exist Facility
 Add Capacity

Public Facility Plan? YES
 Asset Mgmt Plan? YES

System Ranking: 61
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No: AE/406
 Neighbor'd Needs No:

PROJECT DESCRIPTION:

Federal law requires a 5 year establishment and monitoring program. Requirements include: Annual photodocumentation of plant survival, replanting, recording of wildlife use, water quality sampling and testing, control of unwanted vegetation, cleaning trash racks, water level management, and preparation of a comprehensive annual report.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	2,795,593	97,601	53,031	50,000	50,000	50,000	300,632	
Rate/Charge/Contracts	541,588						0	
Fed/State/Other Local	3,746,369	46,798					46,798	
Other							0	
TOTAL	7,083,550	144,399	53,031	50,000	50,000	50,000	347,430	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Const/Equip			C	C	C	C		
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: SANDY BV. 101ST TO 185TH

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

OBJECTIVES

Maintain Capacity
 Upgrade Exist Facility
 Add Capacity

Public Facility Plan? YES NO
Asset Mgmt Plan? YES NO
System Ranking: 93 94
Urban Services? YES NO
Financial Analysis? YES NO

City-wide Ranking:
Identification No: TRP/343
Neighborh'd Needs No:

PROJECT DESCRIPTION:

IMPROVE AND EXPAND SANDY BV TO A FIVE LANE ARTERIAL STREET TO SERVE NE PORTLAND GROWTH, AND THE COLUMBIA SOUTH SHORE DEVELOPMENT. REQUIRES RIGHT OF WAY AQUISITION, ENVIRONMENTAL ASSESSMENT, PRELIMINARY ENGINEERING, FINAL DESIGN AND CONSTRUCTION. CONSTRUCTION INCLUDES DRAINAGE, CURBS SIDEWALKS, SIGNALS, PAVING.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	71,342	50,000					50,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local	61,529	92,802					92,802	
Other							0	
TOTAL	132,871	142,802	0	0	0	0	142,802	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	P						
Design/Proj Mgt	.	.						
Site Acquisition	.	.						
Const/Equip	.	.						
EST OPER/MAINT COSTS							0	

PROJECT: COLUMBIA/LOMBARD, RVGT SO ENTR

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

OBJECTIVES

Maintain Capacity
 Upgrade Exist Facility
 Add Capacity

Public Facility Plan? NO YES
Asset Mgmt Plan? NO YES
System Ranking: 97 98
Urban Services? NO YES
Financial Analysis? YES NO

City-wide Ranking:
Identification No: AE/451
Neighborh'd Needs No:

PROJECT DESCRIPTION:

THIS PROJECT WILL SEPARATE THE ROAD/RAILROAD CROSSING INTO THE PORT OF PORTLAND RIVERGATE INDUSTRIAL AREA. RAIL TRAFFIC CONTINUES TO GROW ALONG WITH TRUCK MOVEMENTS INTO THE PORT TERMINALS NO. 5 & 6. THIS PROJECT WILL ENCOURAGE THE CONTINUED GROWTH AT THE TERMINALS. INTERMODAL MOVEMENT OF GOODS WILL BE SAFER WITH ELIMINATION OF TRUCK/TRAIN CONFLICTS. PORT SUPPORTS PROJECT AND WILL CONTRIBUTE TO PROJECT.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	25,806	131,343	125,000	2,250,000	250,000	2,782,149	
Rate/Charge/Contracts	0	25,806	131,343	125,000	2,250,000	250,000	2,782,149	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	51,612	262,686	250,000	4,500,000	500,000	5,584,299	0
TOTAL LEVERAGED							0	
COSTS								
Planning			P	.	.	.		
Design/Proj Mgt			D	D	.	.		
Site Acquisition			.	A	.	.		
Const/Equip			.	.	C	C		
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: NW 13TH, JOHNSON TO SAVIOR

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

Maintain Capacity	X
Upgrade Exist Facility	
Add Capacity	

System Ranking: 98
Public Facility Plan? NO
Asset Mgmt Plan? YES
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No: AE 1703
Neighbor'd Needs No:

PROJECT DESCRIPTION:

THIS PROJECT UPGRADES 13TH AVE IN THE PEARL DISTRICT. CITY MONEY IS USED TO COMPLETE FINAL DESIGN AND GENERATE INTEREST OF PROPERTY OWNERS. PROPERTY OWNERS ARE THEN ENCOURAGED TO PROVIDE FUNDING FOR CONSTRUCTION. THE PROJECT HAS TWO PHASES. THE FIRST IS FROM JOHNSON TO LOVEJOY. THE SECOND IS LOVEJOY TO SAVIER.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	22,089	83,883				105,972	
Rate/Charge/Contracts				385,000	760,000		1,145,000	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	22,089	83,883	385,000	760,000	0	1,250,972	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt			D	D				
Site Acquisition								
Constr/Equip				C	C			
EST OPER/MAINT COSTS							0	

PROJECT: NW INTERSECTIONS, PHASE II

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

Maintain Capacity	X
Upgrade Exist Facility	
Add Capacity	

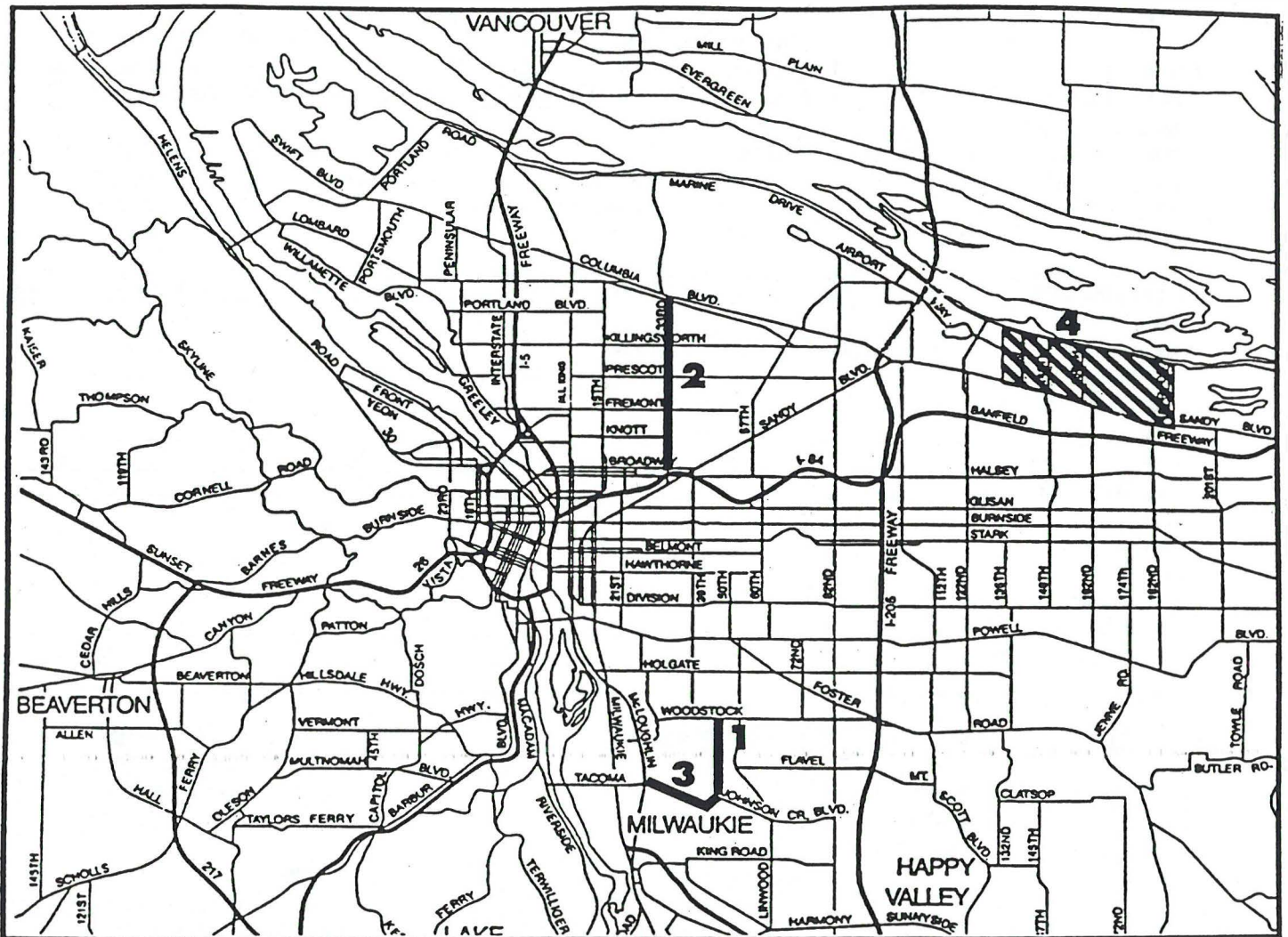
System Ranking: 101 1
Public Facility Plan? YES
Asset Mgmt Plan? YES
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No: AE 1404
Neighbor'd Needs No:

PROJECT DESCRIPTION:

THIS PROJECT WILL CONSTRUCT CURB EXTENSIONS, PEDESTRIAN SIGNALS AND OTHER TRAFFIC CONTROLS IN THE AREA GENERALLY BOUNDED BY NW 18TH, BURNSIDE, 29TH, VAUGHN. THE PROJECT SUPPLEMENTS THE NW TRAFFIC CIRCULATION PROJECT AND FOLLOWS THE RECOMMENDATIONS IN THE NORTHWEST TRANSPORTATION STUDY CONDUCTED BY THE BUREAU OF PLANNING(1981).

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	61,985			200,000			200,000	
Rate/Charge/Contracts	0	28,558	56,313				84,871	
Fed/State/Other Local	200,513						0	
Other							0	
TOTAL	262,498	28,558	56,313	200,000	0	0	284,871	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt			D					
Site Acquisition								
Constr/Equip				C				
EST OPER/MAINT COSTS							0	



1. SE 45th/Hamey to Glenwood
2. NE 33rd Multi-modal Improvements
3. SE Johnson Creek/32nd to 45th
4. Columbia South Shore SIP

PROJECT DETAIL

PROJECT: SE 45TH AV HARNEY TO GLENWOOD

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Neighborhood Collectors

Maintain Capacity X
 Upgrade Exist Facility
 Add Capacity

Public Facility Plan? NO
Asset Mgmt Plan? YES
System Ranking: 21
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No: TRP/748
Neighborh'd Needs No:

PROJECT DESCRIPTION:

PROJECT TO CONTROL SPEED WITH NEIGHBORHOOD TRAFFIC MANAGEMENT DEVICES ON SE 45TH AVE BETWEEN JOHNSON CREEK BV AND SE GLENWOOD. PROJECT WILL ALSO IMPROVE STREET CHARACTER FOR PEDESTRIANS, BICYCLE AND TRANSIT ACCESSIBILITY, CONSISTENT WITH THE T.E.GUIDELINES. THE PROJECT IS ALSO IDENTIFIED AND FUNDED IN THE SE CORRIDOR STUDY.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	8,802		9,263	8,823	80,000	440,000	538,086	
Rate/Charge/Contracts							0	
Fed/State/Other Local	49,880	60,865	52,488	50,000	120,000	300,000	583,353	
Other							0	
TOTAL	58,682	60,865	61,751	58,823	200,000	740,000	1,121,439	0
TOTAL LEVERAGED							0	
COSTS								
Planning		P	P	P				
Design/Proj Mgt					D			
Site Acquisition								
Constr/Equip						C		
EST OPER/MAINT COSTS							0	

PROJECT: NE 33RD AVE. MULTI-MODAL IMPR.

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Neighborhood Collectors

Maintain Capacity
 Upgrade Exist Facility X
 Add Capacity

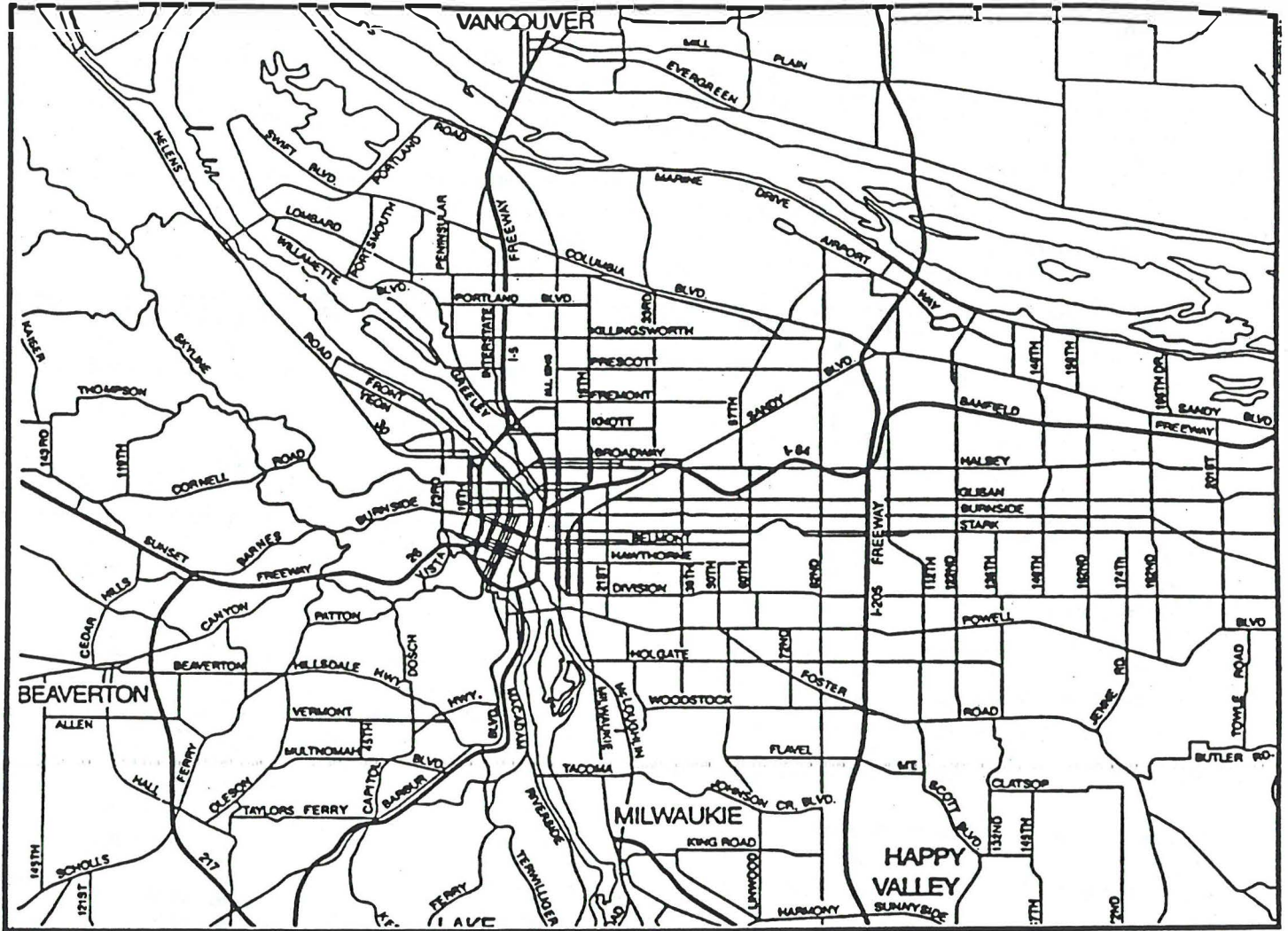
Public Facility Plan? NO
Asset Mgmt Plan? YES
System Ranking: 32
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No: PAD/333
Neighborh'd Needs No:

PROJECT DESCRIPTION:

Responds to the need to improve the livability of NE 33rd for area residents, schools, parks.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	50,000	50,000	300,000			400,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	50,000	50,000	300,000	0	0	400,000	C
TOTAL LEVERAGED							0	
COSTS								
Planning		P	P	P				
Design/Proj Mgt		D	D	D				
Site Acquisition								
Constr/Equip					C			
EST OPER/MAINT COSTS							0	



UNMAPPED - City-wide

1. LID Design/Construction
2. HCD Street Design
3. Subdivision Street Projects
4. HCD Replacement Capital
5. Performance/Substandard Streets
6. Minor Street Permits

PROJECT DETAIL

PROJECT: SW PALATINE: 43-45

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

Public Facility Plan? YES
 Asset Mgmt Plan? YES

System Ranking: 77
 Urban Services? NO
 Financial Analysis? YES

OBJECTIVES
 Maintain Capacity
 Upgrade Exist Facility
 Add Capacity X

City-wide Ranking:
 Identification No: LDE/735
 Neighborh'd Needs No:

PROJECT DESCRIPTION:

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	13,000					13,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	0	18,696					18,696	
TOTAL	0	31,696	0	0	0	0	31,696	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	

PROJECT: NE MASON DRIVE

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

Public Facility Plan? YES
 Asset Mgmt Plan? YES

System Ranking: 78
 Urban Services? NO
 Financial Analysis? YES

OBJECTIVES
 Maintain Capacity
 Upgrade Exist Facility
 Add Capacity X

City-wide Ranking:
 Identification No: LDE/734
 Neighborh'd Needs No:

PROJECT DESCRIPTION:

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	62,000					62,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	0	21,705					21,705	
TOTAL	0	83,705	0	0	0	0	83,705	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: HCD REPLACEMENT CAPITAL

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

Public Facility Plan? YES
Asset Mgmt Plan? YES

System Ranking: 82
Urban Services? NO
Financial Analysis? YES

OBJECTIVES
 Maintain Capacity
 Upgrade Exist Facility
 Add Capacity

City-wide Ranking:
Identification No: LDE/040
Neighbor'd Needs No:

PROJECT DESCRIPTION:

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	19,038	19,038	23,000	24,000	25,000	110,076	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	19,038	19,038	23,000	24,000	25,000	110,076	0
TOTAL LEVERAGED							0	
COSTS								
Planning			.	.	.	.
Design/Proj Mgt			D	D	D	D		
Site Acquisition			.	.	.	.
Constr/Equip			.	C	C	C		
EST OPER/MAINT COSTS							0	

PROJECT: SE LAFAYETTE/86TH

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

Public Facility Plan? YES
Asset Mgmt Plan? YES

System Ranking: 83
Urban Services? NO
Financial Analysis? YES

OBJECTIVES
 Maintain Capacity
 Upgrade Exist Facility
 Add Capacity

City-wide Ranking:
Identification No: LDE/028
Neighbor'd Needs No:

PROJECT DESCRIPTION:

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation							0	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	0	19,330					19,330	
TOTAL	0	19,330	0	0	0	0	19,330	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: MINOR PERMIT STREETS

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

OBJECTIVES
 Maintain Capacity
 Upgrade Exist Facility
 Add Capacity

System Ranking: 59 9
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No: PER/460
Neighborh'd Needs No:

Public Facility Plan? YES
Asset Mgmt Plan? YES

PROJECT DESCRIPTION:

THIS CATEGORY COVERS ALL NON-RESIDENTIAL PROJECTS WITH CONST VALUES LESS THAN \$ 25,000. MOST ARE DESIGNED BY CONSULTANTS. CATEGORY INCLUDES STREET CLOSURES, SIDESTRIPS, INLETS, SIDEWALKS ETC.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	33,830	21,586	22,981	25,500	26,300	27,100	123,467	27,900
Rate/Charge/Contracts	97,128	43,826	56,264	59,600	61,400	63,200	284,290	65,100
Fed/State/Other Local							0	
Other							0	
TOTAL	130,958	65,412	79,245	85,100	87,700	90,300	407,757	93,000
TOTAL LEVERAGED	0	255,000	262,500	270,000	277,500	285,000	1,350,000	294,000
COSTS								
Planning								
Design/Proj Mgt			D	D	D	D		
Site Acquisition			A	A	A	A		
Constr/Equip			C	C	C	C		
EST OPER/MAINT COSTS							0	

PROJECT: LID - STREET DESIGN

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

OBJECTIVES
 Maintain Capacity
 Upgrade Exist Facility
 Add Capacity

System Ranking: 65 5
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No: LDE/700
Neighborh'd Needs No:

Public Facility Plan? YES
Asset Mgmt Plan? YES

PROJECT DESCRIPTION:

THIS PROVIDES FOR DESIGN OF 8 LID PROJECTS IN 95-96. 6 PROJECTS MOVE TO CONSTRUCTION IN 96-97.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	64,000	67,000	71,000	75,000	79,000	356,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	0	178,351	160,323	170,000	179,000	188,000	875,674	
TOTAL	0	242,351	227,323	241,000	254,000	267,000	1,231,674	0
TOTAL LEVERAGED							0	
COSTS								
Planning			P	P	P	P		
Design/Proj Mgt			D	D	D	D		
Site Acquisition			.	.	.	.
Constr/Equip			C	C	C	C		
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: SW PASADENA/41ST

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

Public Facility Plan? YES
 Asset Mgmt Plan? YES

System Ranking: 69
 Urban Services? NO
 Financial Analysis? YES

OBJECTIVES

Maintain Capacity
 Upgrade Exist Facility
 Add Capacity X

City-wide Ranking:
 Identification No: LDE/727
 Neighborh'd Needs No:

PROJECT DESCRIPTION:

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	28,000						0	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	39,918	1,709					1,709	
TOTAL	67,918	1,709	0	0	0	0	1,709	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	

PROJECT: SE VALENTINE DR

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

Public Facility Plan? YES
 Asset Mgmt Plan? YES

System Ranking: 70
 Urban Services? NO
 Financial Analysis? YES

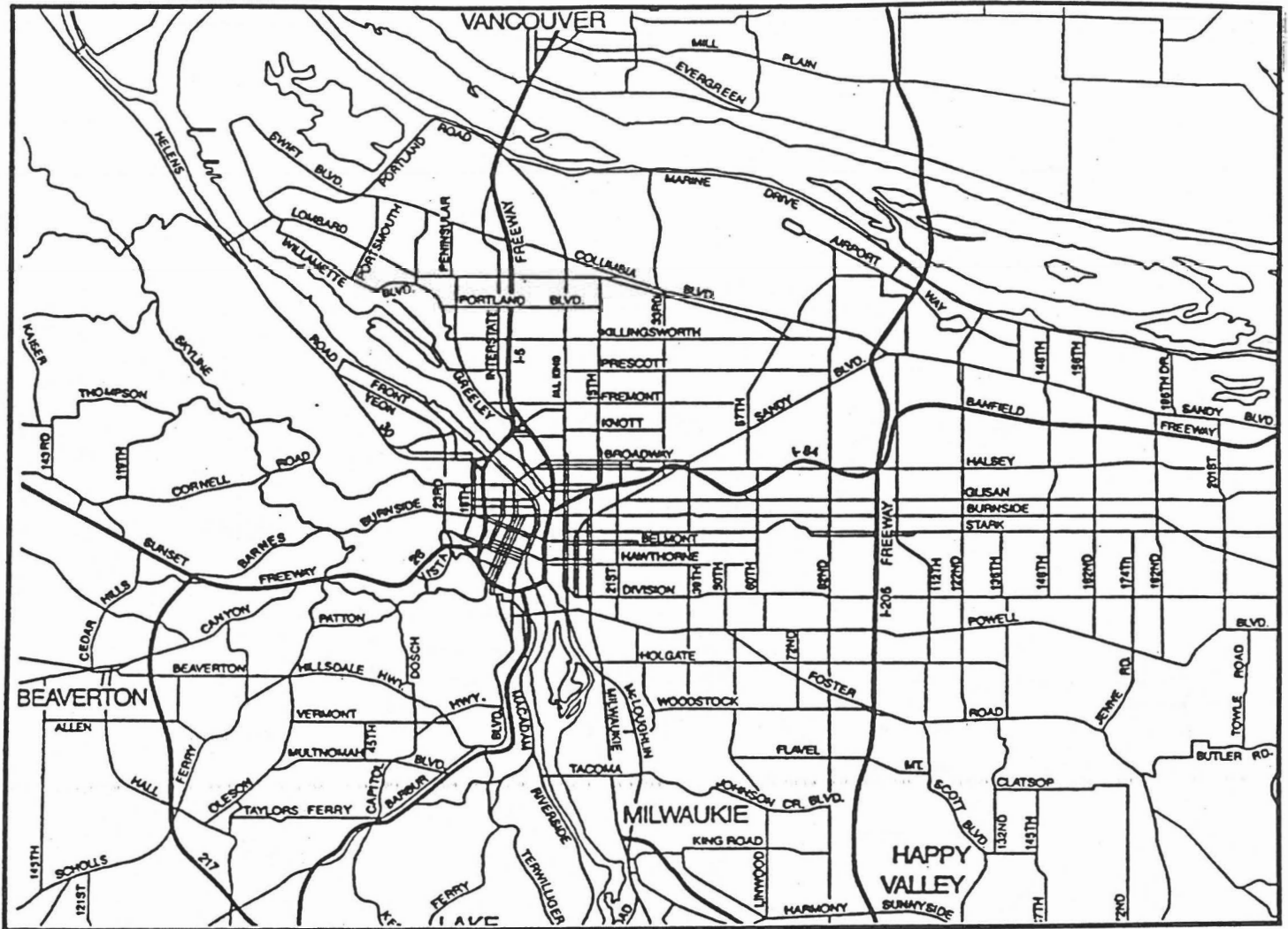
OBJECTIVES

Maintain Capacity
 Upgrade Exist Facility
 Add Capacity X

City-wide Ranking:
 Identification No: LDE/725
 Neighborh'd Needs No:

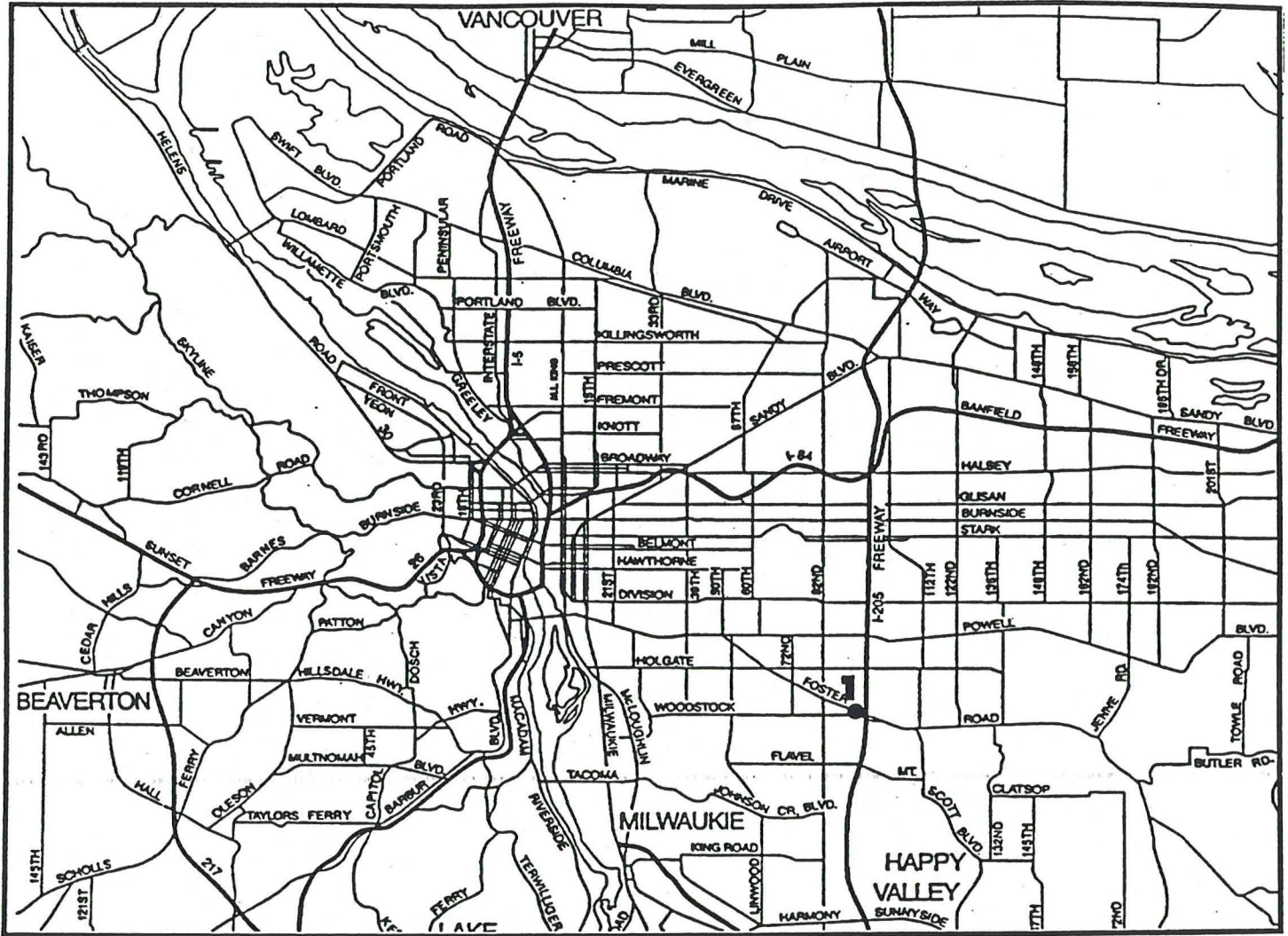
PROJECT DESCRIPTION:

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation							0	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	40,776	1,709					1,709	
TOTAL	40,776	1,709	0	0	0	0	1,709	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	

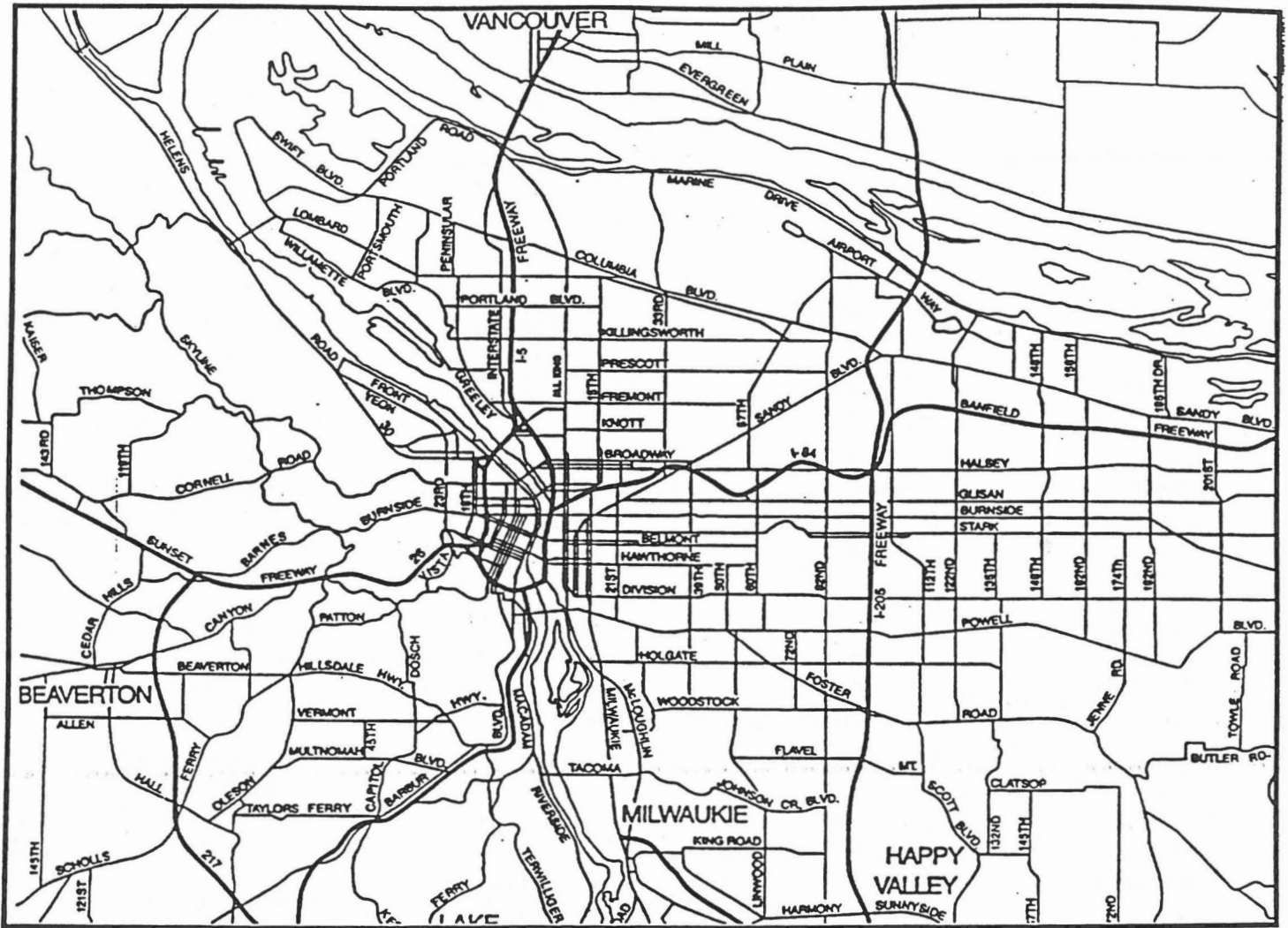


- (UNMAPPED - City-wide)
1. Commercial/Industrial Projects
 2. Deficiency Corrections Program

Note: Please refer to the appropriate Program Section for the specific year project occurs.



1. Lents
2. HES Safety Improvements/SE and NE (unmapped)



(UNMAPPED - City-wide)

1. School Crossing Safety, Unit 6 & 7
2. School Beacons, Unit 1 & 2
3. Pedestrian Crossing Overhead Signs, Unit 2 & 3
4. Safety Improvement, Unit 2

Note: Please refer to the appropriate Program Section for the specific year project occurs.

PROJECT DETAIL

PROJECT: PED. XING OVERHEAD SIGNS, U.2

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Traffic Signal System

Maintain Capacity	.
Upgrade Exist Facility	X
Add Capacity	

Public Facility Plan? NO
 Asset Mgmt Plan? YES

System Ranking: 46
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No: SIG/266
 Neighbor'd Needs No:

PROJECT DESCRIPTION:

This project will provide overhead warning signs and other pedestrian crossing warning devices at 15 locations.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	30,000	50,000	100,000	50,000			200,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	30,000	50,000	100,000	50,000	0	0	200,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning	.	P	P	.	.	.		
Design/Proj Mgt	.	D	D	.	.	.		
Site Acquisition	.	.	.	.	.	.
Constr/Equip	.	C	C	.	.	.		
EST OPER/MAINT COSTS							0	

PROJECT: SAFETY IMPROVE., UN. 2 CONST.

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Traffic Signal System

Maintain Capacity	X
Upgrade Exist Facility	
Add Capacity	

Public Facility Plan? NO
 Asset Mgmt Plan? YES

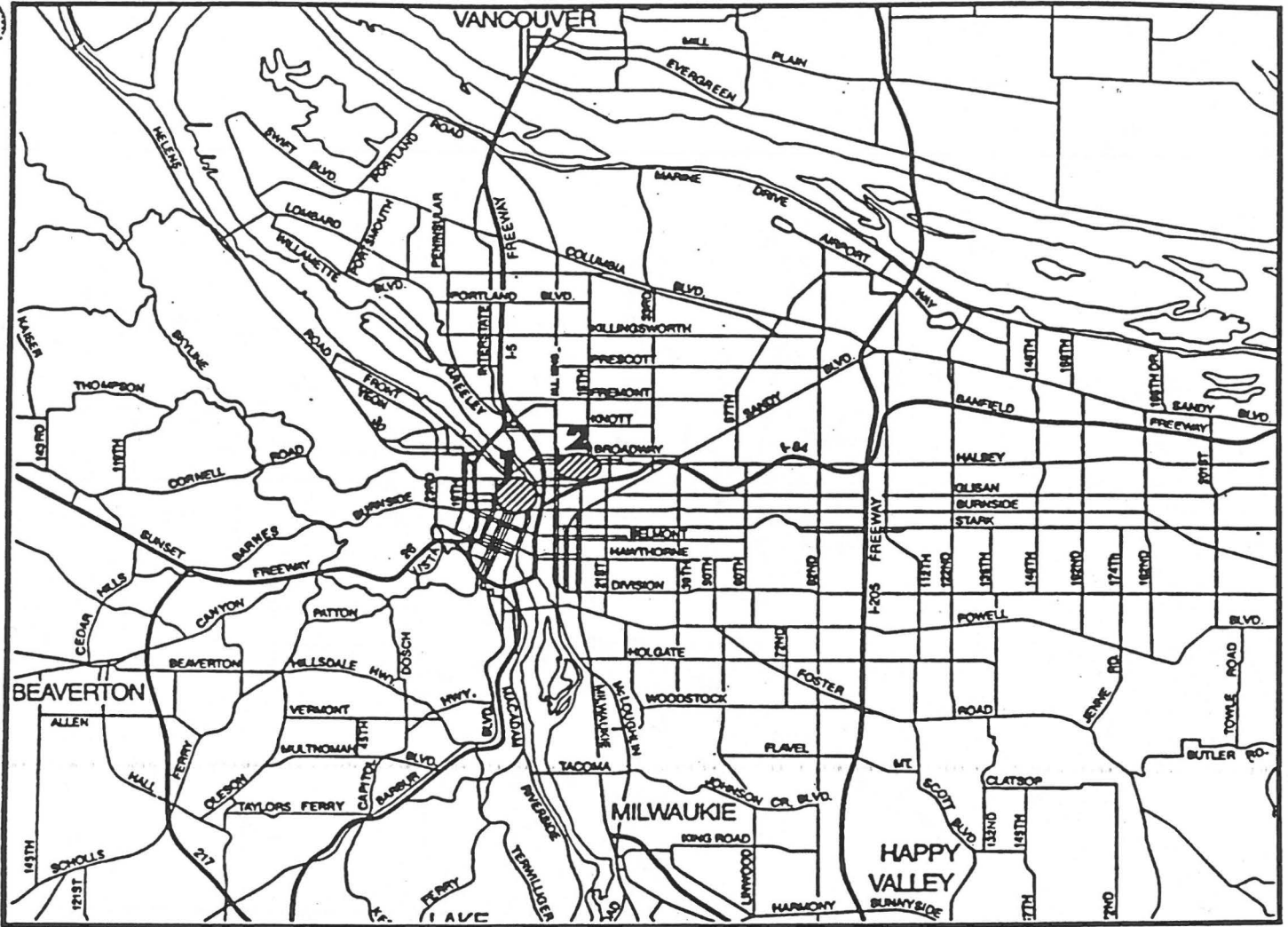
System Ranking: 111
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No: SIG/175
 Neighbor'd Needs No:

PROJECT DESCRIPTION:

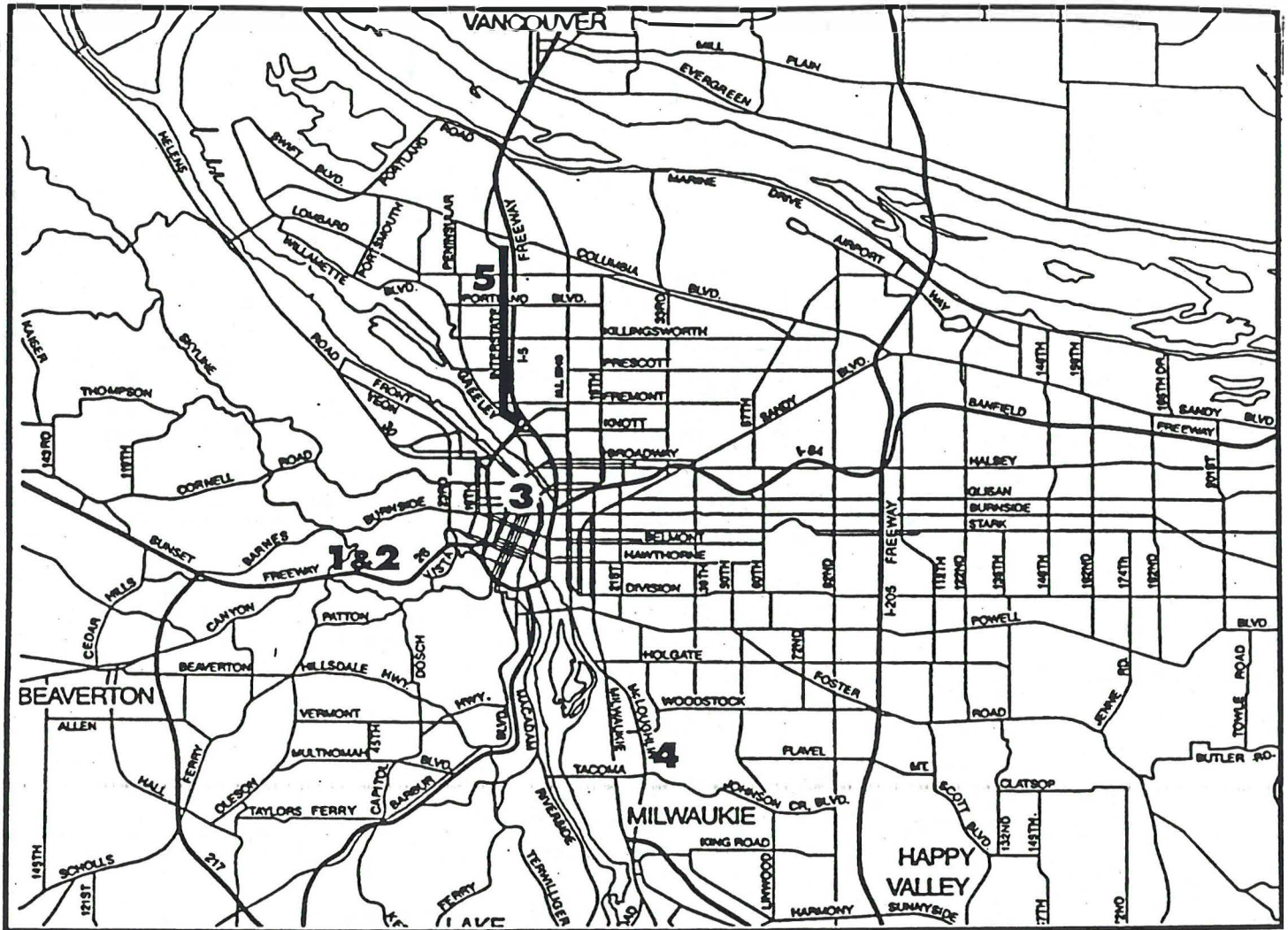
TRAFFIC SAFETY UNIT 2 CONSTRUCTION; REBUDGET GRANT APPROPRIATION FROM FY94.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation							0	
Rate/Charge/Contracts							0	
Fed/State/Other Local	0	8,056					8,056	
Other							0	
TOTAL	0	8,056	0	0	0	0	8,056	0
TOTAL LEVERAGED							0	
COSTS								
Planning	.	.						
Design/Proj Mgt	D	.						
Site Acquisition	.	.						
Constr/Equip	C	C						
EST OPER/MAINT COSTS							0	



1. Old Town Lighting
2. OCC/Lloyd District Lighting
3. Purchase Annexed Lights - City-wide, not mapped

Note: Please refer to the appropriate Program Section for the specific year project occurs.



- 1 and 2. Westside Tunnel and Surface Light Rail
- 3. Downtown Light Rail
- 4. Milwaukie/I-205 Light Rail
- 5. I-5/Vancouver Light Rail
- 6. Regional Rail, City-wide - not mapped

Note: Please refer to the appropriate Program Section for the specific year project occurs.

PROJECT DETAIL

PROJECT: WESTSIDE LIGHT RAIL-LS4C

OBJECTIVES

Capital System: Transportation
Program: Transit
Subprogram: Regional Transitways

Maintain Capacity	
Upgrade Exist Facility	
Add Capacity	X

Public Facility Plan? YES
 Asset Mgmt Plan? YES

System Ranking: 2
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No: WSR/100
 Neighbor'd Needs No:

PROJECT DESCRIPTION:

WESTSIDE LIGHT RAIL CONSTRUCTION IN THE DOWNTOWN AND GOOSE HOLOW SEGMENT OF THE PROJECT.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	3,270,534	1,216,486	1,216,486				2,432,972	
Rate/Charge/Contracts	0	890,354	480,129	134,500	61,600	0	1,566,583	
Fed/State/Other Local	999,175		55,000				55,000	
Other							0	
TOTAL	4,269,709	2,106,840	1,751,615	134,500	61,600	0	4,054,555	0
TOTAL LEVERAGED							0	
COSTS								
Planning			.	.	.	.
Design/Proj Mgt			.	.	.	.
Site Acquisition			.	.	.	.
Constr/Equip			C	C	C	.		
EST OPER/MAINT COSTS							0	

PROJECT: WESTSIDE LIGHT RAIL-LS5 TUNNEL

OBJECTIVES

Capital System: Transportation
Program: Transit
Subprogram: Regional Transitways

Maintain Capacity	
Upgrade Exist Facility	
Add Capacity	X

Public Facility Plan? YES
 Asset Mgmt Plan? YES

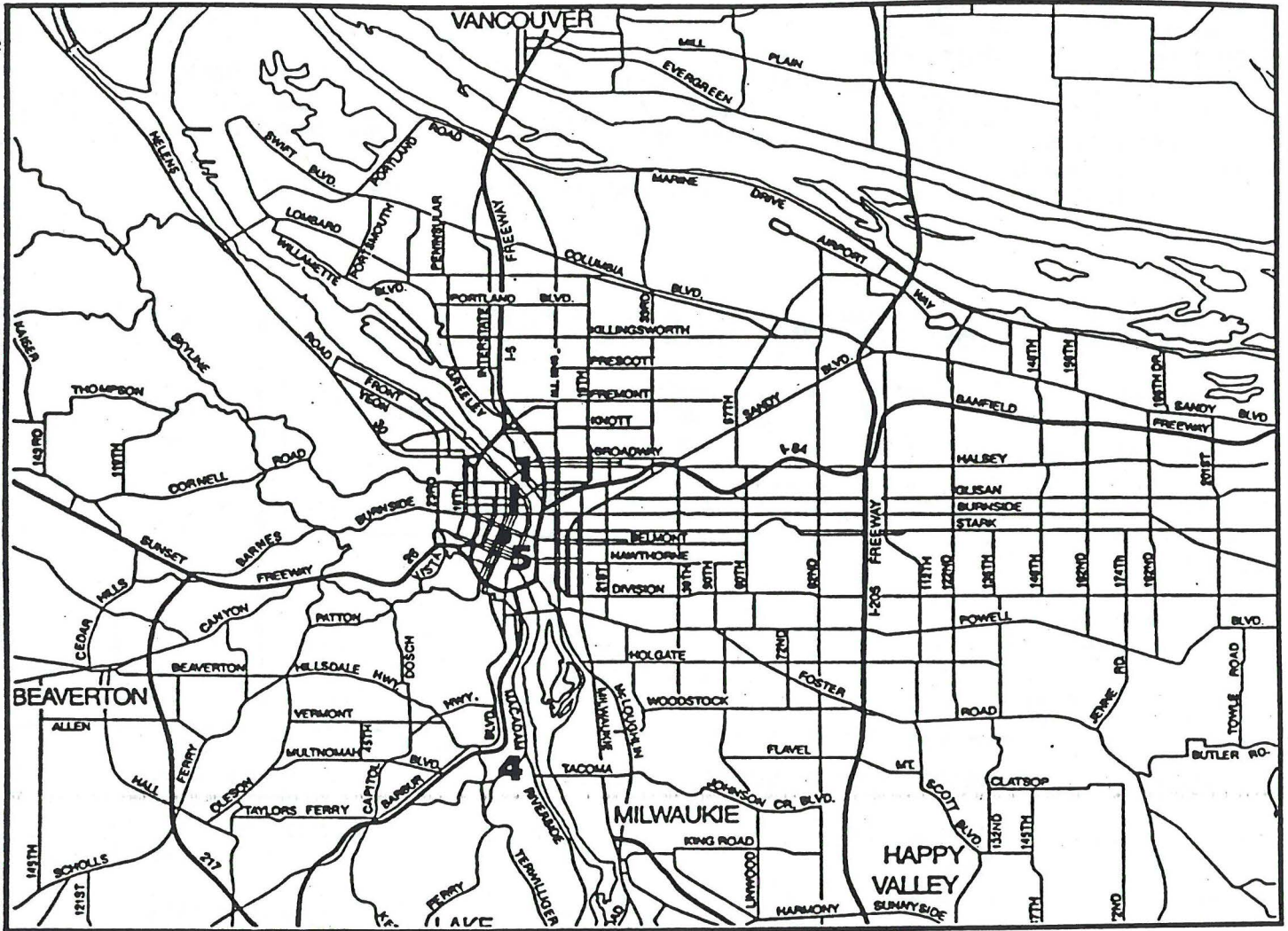
System Ranking: 3
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No: WSR/150
 Neighbor'd Needs No:

PROJECT DESCRIPTION:

CONSTRUCTION OF THE WESTSIDE LIGHT RAIL TUNNEL FROM THE WASHINGTON PARK PORTAL TO SW 76TH.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation							0	
Rate/Charge/Contracts	0	68,005	75,843	41,500			185,348	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	68,005	75,843	41,500	0	0	185,348	0
TOTAL LEVERAGED							0	
COSTS								
Planning			.	.	.	.
Design/Proj Mgt			.	.	.	.
Site Acquisition			.	.	.	.
Constr/Equip			C	C	.	.		
EST OPER/MAINT COSTS							0	



1. North Transit Mall Extension
2. Transit Transfers, Unit 5, not mapped
3. Transit Preferential Streets, not mapped
4. Willamette Shore Trolley
5. Transit Mall Restoration
6. Central City Streetcar, not mapped

Note: Please refer to the appropriate Program Section for the specific year project occurs.

PROGRAM LOCATION MAP

PROJECT DETAIL

PROJECT: TRANSIT PREFERENTIAL STREETS

OBJECTIVES

Capital System: Transportation
 Program: Transit
 Subprogram: Major Transit Streets

Maintain Capacity
 Upgrade Exist Facility
 Add Capacity

System Ranking: 56
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No: TRP/460
 Neighborh'd Needs No:

PROJECT DESCRIPTION:

IMPLEMENT THE TRI-MET 10 MINUTE CORRIDOR CONCEPT BY CONSTRUCTING IMPROVEMENTS ON MAJOR CITY TRANSIT STREETS, AND REGIONAL TRANSITWAYS TO PROVIDE PREFERENTIAL TRANSIT TREATMENTS TO PROVIDE IMPROVED ACCESS TO TRANSIT FOR PATRONS, AND TO IMPROVE TRANSIT TRAVEL TIMES. THE IMPROVEMENTS RANGE FROM PEDESTRIAN IMPROVEMENTS TO BUS LANES, AND SIGNAL PRIORITY IMPROVEMENTS.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	20,740	20,000	20,000	30,000	30,000	50,000	150,000	50,000
Rate/Charge/Contracts							0	
Fed/State/Other Local	62,958	80,000	80,000	120,000	120,000	200,000	600,000	200,000
Other							0	
TOTAL	103,698	100,000	100,000	150,000	150,000	250,000	750,000	250,000
TOTAL LEVERAGED							0	
COSTS								
Planning	.	.	.	.	.	.
Design/Proj Mgt	.	.	.	.	.	.
Site Acquisition	.	.	.	.	.	.
Constr/Equip	.	.	.	.	.	.
EST OPER/MAINT COSTS							0	

PROJECT: WILLAMETTE SHORE TROLLEY

OBJECTIVES

Capital System: Transportation
 Program: Transit
 Subprogram: Major Transit Streets

Maintain Capacity
 Upgrade Exist Facility
 Add Capacity

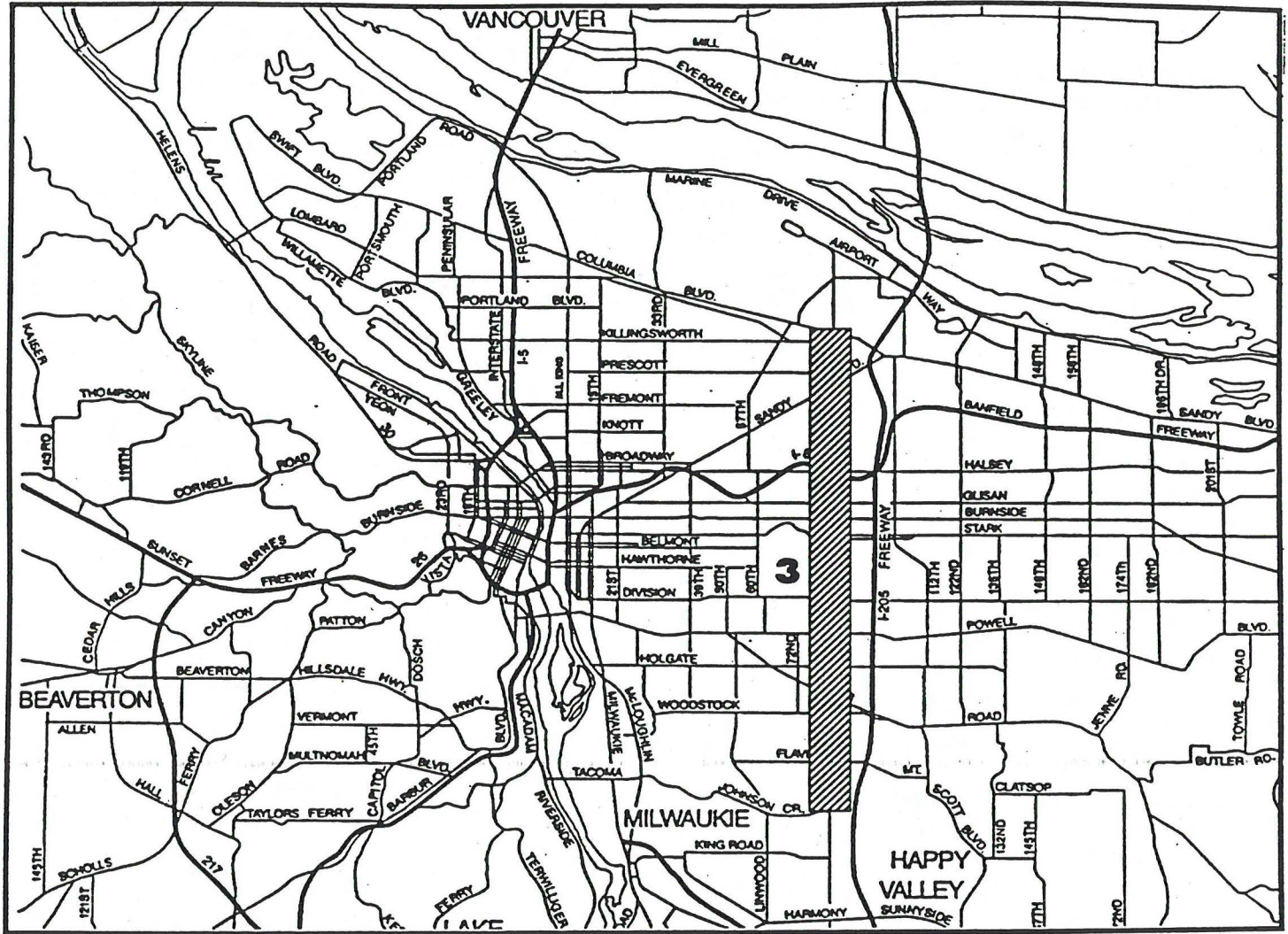
System Ranking: 74
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No: CCT/503
 Neighborh'd Needs No:

PROJECT DESCRIPTION:

MARKETING ASSISTANCE FOR TROLLEY.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	29,554	21,000	22,000	23,000	24,000	25,000	115,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	29,554	21,000	22,000	23,000	24,000	25,000	115,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning			P	P	P	P		
Design/Proj Mgt			.	.	.	.
Site Acquisition			.	.	.	.
Constr/Equip			.	.	.	.
EST OPER/MAINT COSTS							0	



(UNMAPPED - City-wide)

1. Expand Citywide Signal System, Unit 5, City-wide - not mapped
2. PDX Signal Retiming Project, City-wide - not mapped
3. 82nd Avenue Signal Operations

PROJECT DETAIL

PROJECT: PDX SIGNAL RETIMING PROJECT

Capital System: Transportation
Program: Alternative Modes
Subprogram: Advance Transportation Management System

Public Facility Plan? YES
Asset Mgmt Plan? YES

System Ranking: 99
Urban Services? NO
Financial Analysis? YES

OBJECTIVES

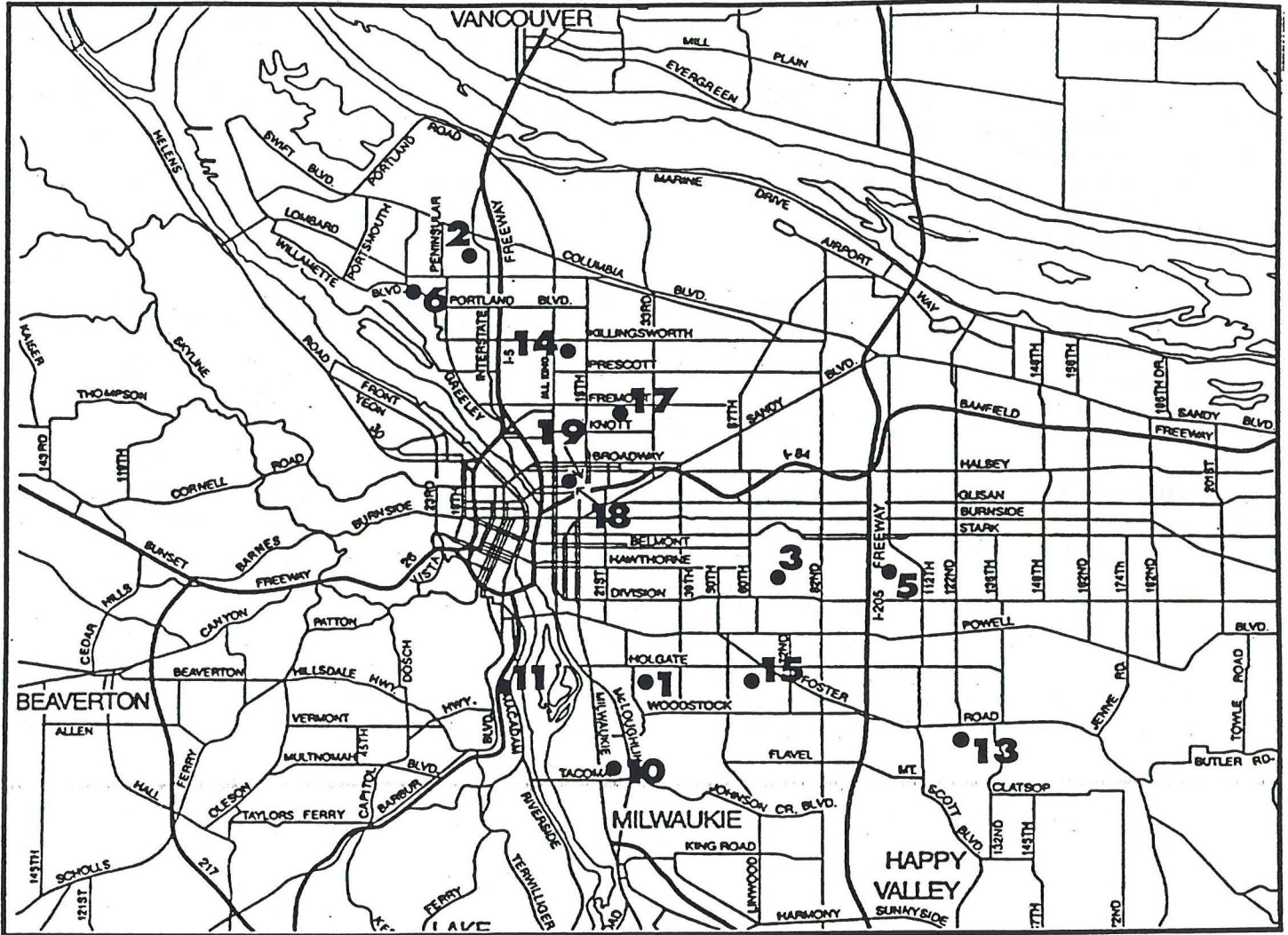
Maintain Capacity
 Upgrade Exist Facility
 Add Capacity

City-wide Ranking:
Identification No: SIG/273
Neighborhood Needs No:

PROJECT DESCRIPTION:

THIS IS THE THIRD PHASE OF A FOUR PHASE PROGRAM TO RETIME TRAFFIC SIGNALS IN THE CITY. DURING EACH PHASE, APPROXIMATELY 150 LOCATIONS WILL BE RETIMED. THIS ACTIVITY GENERALLY HAS A 10 TO 1 OR GREATER BENEFIT TO COST RATIO. IMPROVED SIGNAL TIMING IMPROVES AIR QUALITY AND REDUCES ENERGY USE.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	67,781	67,521				135,302	
Rate/Charge/Contracts							0	
Fed/State/Other Local	125,000	60,003	57,999				118,002	
Other							0	
TOTAL	125,000	127,784	125,520	0	0	0	253,304	0
TOTAL LEVERAGED							0	
COSTS								
Planning	.	P	P	.	.	.		
Design/Proj Mgt	.	D	D	.	.	.		
Site Acquisition	.	.	.	.	.	.
Constr/Equip	.	C	C	C	.	.		
EST OPER/MAINT COSTS							0	



- | | |
|---|---|
| <ul style="list-style-type: none"> 1. SE Gladstone 2. N. Denver 3. SE 76th 4. ATCP Project #3, (not mapped) 5. SE Market 6. N. Willamette Blvd. 7. Speed Bump Program (City -wide, not mapped) 8. ATCP Test Projects (City-wide, not mapped) 9. ACTP Project #1 (not mapped) 10. SE 17th 11. SW Corbett 12. New NTMP Projects (City-wide, not mapped) 13. SE Brookside Drive 14. NE 14th Place 15. SE Harold | <ul style="list-style-type: none"> 16. Neighborhood Rideshare Co-op (City-wide, not mapped) 17. NE 21st/24th 18. Lloyd District TMA 19. Lloyd Center Metering |
|---|---|

Note: Please refer to the appropriate Program Section for the specific year project occurs.

PROJECT DETAIL

PROJECT: SE 76TH
Capital System: Transportation
Program: Alternative Modes
Subprogram: Traffic Management

OBJECTIVES
 Maintain Capacity
 Upgrade Exist Facility X
 Add Capacity

System Ranking: 44
Public Facility Plan? YES
Asset Mgmt Plan? YES
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No: NTM/022
Neighborh'd Needs No:

PROJECT DESCRIPTION:

CONSTRUCTION OF NTMP DEVICES ON SE 76TH BETWEEN SE WASHINGTON AND SE DIVISION. PROJECTED DEVICES INCLUDE 16 CURB EXTENSIONS AT 4 INTERSECTIONS AND 6 SPEED BUMPS.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	65,607	177,071				242,678	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	65,607	177,071	0	0	0	242,678	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	P	P	.	.	.		
Design/Proj Mgt	.	D	D	D	.	.		
Site Acquisition	.	.	.	.	.	.
Constr/Equip	.	.	.	C	C	.		
EST OPER/MAINT COSTS							0	

PROJECT: ATCP PROJECT #3

Capital System: Transportation
Program: Alternative Modes
Subprogram: Traffic Management

OBJECTIVES
 Maintain Capacity
 Upgrade Exist Facility X
 Add Capacity

System Ranking: 49
Public Facility Plan? YES
Asset Mgmt Plan? YES
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No: NTM/008
Neighborh'd Needs No:

PROJECT DESCRIPTION:

CONTINUED PLANNING AND DESIGN FOR ATCP PROJECT UNDERTAKEN IN FY 94. LOCATION SELECTED FROM RANKED LIST. CONSTRUCTION FUNDS REQUESTED IN FY 97.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	12,821	54,427				67,248	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	12,821	54,427	0	0	0	67,248	0
TOTAL LEVERAGED							0	
COSTS								
Planning	.	P	P	P	P	.		
Design/Proj Mgt	.	.	.	D	D	.		
Site Acquisition	.	.	.	.	.	.
Constr/Equip	.	.	.	.	C	.		
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: **SPEED BUMP PROGRAMS**

OBJECTIVES

Capital System: *Transportation*
Program: *Alternative Modes*
Subprogram: *Traffic Management*

Maintain Capacity	/
Upgrade Exist Facility	X
Add Capacity	

Public Facility Plan? YES
Asset Mgmt Plan? YES

System Ranking: 53
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No: NTM/207
Neighborh'd Needs No:

PROJECT DESCRIPTION:

CONSTRUCT 50 SPEED BUMPS UNDER NEW CRITERIA DEVELOPED FOR LOCAL SERVICE STREET AND PERMIT PROGRAMS.

FUNDING SOURCES.	<i>Prior Yrs</i>	<i>FY 94-95</i>	<i>FY 95-96</i>	<i>FY 96-97</i>	<i>FY 97-98</i>	<i>FY 98-99</i>	<i>5 Yr Total</i>	<i>Yrs 6-10</i>
<i>General Fund</i>							0	
<i>Transportation</i>	0	151,967	148,851				300,818	
<i>Rate/Charge/Contracts</i>							0	
<i>Fed/State/Other Local</i>							0	
<i>Other</i>							0	
TOTAL	0	151,967	148,851	0	0	0	300,818	0
TOTAL LEVERAGED							0	
COSTS								
<i>Planning</i>		P	P	P				
<i>Design/Proj Mgt</i>		.	.	.				
<i>Site Acquisition</i>		.	.	.				
<i>Constr/Equip</i>		C	C	C				
EST OPER/MAINT COSTS							0	

PROJECT: **ATCP TEST PROJECTS**

OBJECTIVES

Capital System: *Transportation*
Program: *Alternative Modes*
Subprogram: *Traffic Management*

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

Public Facility Plan? YES
Asset Mgmt Plan? YES

System Ranking: 54
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No: NTM/628
Neighborh'd Needs No:

PROJECT DESCRIPTION:

FINAL CONSTRUCTION OF 3 SLOW POINTS ON NE 15TH BETWEEN NE FREMONT AND NE PRESCOTT. THESE WERE PART OF AN ATCP TEST PROJECT WHICH BEGAN IN FY 94.

FUNDING SOURCES	<i>Prior Yrs</i>	<i>FY 94-95</i>	<i>FY 95-96</i>	<i>FY 96-97</i>	<i>FY 97-98</i>	<i>FY 98-99</i>	<i>5 Yr Total</i>	<i>Yrs 6-10</i>
<i>General Fund</i>							0	
<i>Transportation</i>	0	58,174	84,654				142,828	
<i>Rate/Charge/Contracts</i>							0	
<i>Fed/State/Other Local</i>							0	
<i>Other</i>							0	
TOTAL	0	58,174	84,654	0	0	0	142,828	0
TOTAL LEVERAGED							0	
COSTS								
<i>Planning</i>	P	.	.	.				
<i>Design/Proj Mgt</i>	D	D	D	.				
<i>Site Acquisition</i>		.	.	.				
<i>Constr/Equip</i>		C	C	C				
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: SW CORBETT (SOUTH)

OBJECTIVES

Capital System: Transportation
 Program: Alternative Modes
 Subprogram: Traffic Management

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking: 58
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No: NTM/206
 Neighborh'd Needs No:

Public Facility Plan? YES
 Asset Mgmt Plan? YES

PROJECT DESCRIPTION:

THIS IS PHASE TWO OF A TWO PHASE NTMP PROJECT ON SW CORBETT/NEBRASKA/VIRGINIA. A PORTION OF FUNDS NEEDED FOR THIS PROJECT IN FY 95 WILL COME FROM FY 94 CARRYOVER. CONSTRUCTION FUNDS ARE REQUESTED IN FY 96. DEVICES MAY INCLUDE 12 CURB EXTENSIONS AT 3 INTERSECTIONS, 12 SPEED BUMPS AND A POSSIBLE SEMI-DIVERTER.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	107,915	81,000	144,571				225,571	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	107,915	81,000	144,571	0	0	0	225,571	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	P	P					
Design/Proj Mgt		D	D	D				
Site Acquisition								
Constr/Equip				C				
EST OPER/MAINT COSTS							0	

PROJECT: SE BROOKSIDE DRIVE

OBJECTIVES

Capital System: Transportation
 Program: Alternative Modes
 Subprogram: Traffic Management

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking: 86
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No: NTM/205
 Neighborh'd Needs No:

Public Facility Plan? YES
 Asset Mgmt Plan? YES

PROJECT DESCRIPTION:

FINAL CONSTRUCTION OF A CUL-DE-SAC WHICH WAS REQUIRED TO BE BUILT AS PART OF A LAND USE DECISION.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	89,172	12,945					12,945	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	89,172	12,945	0	0	0	0	12,945	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt	D							
Site Acquisition								
Constr/Equip	C	C						
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: LLOYD CENTER METERING PROGRAM

Capital System: Transportation
Program: Alternative Modes
Subprogram: Traffic Management

Public Facility Plan? YES
Asset Mgmt Plan? YES

System Ranking: 91
Urban Services? NO
Financial Analysis? YES

OBJECTIVES
 Maintain Capacity
 Upgrade Exist Facility
 Add Capacity

City-wide Ranking:
Identification No: PKM/902
Neighbor'd Needs No:

PROJECT DESCRIPTION:

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	1,149,000					1,149,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	1,149,000	0	0	0	0	1,149,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	

PROJECT: NTM SCHOOL SAFETY PROJECT

Capital System: Transportation
Program: Alternative Modes
Subprogram: Traffic Management

Public Facility Plan? YES
Asset Mgmt Plan? YES

System Ranking: 95
Urban Services? NO
Financial Analysis? YES

OBJECTIVES
 Maintain Capacity
 Upgrade Exist Facility
 Add Capacity

City-wide Ranking:
Identification No: NTM/017
Neighbor'd Needs No:

PROJECT DESCRIPTION:

THIS PROJECT WILL SUPPORT "PORTLAND KIDS ON THE MOVE;" AN INITIATIVE TO MAKE PORTLAND'S STREETS SAFE FOR SCHOOL CHILDREN AND EDUCATE CHILDREN ABOUT TRANSPORTATION OPTIONS AND TRAFFIC SAFETY. SCHOOLS AROUND THE CITY WILL BE CHOSEN TO RECIEVE STREET IMPROVEMENTS THAT WILL SLOW TRAFFIC, IMPROVE CROSSINGS AND SIDEWALKS, AND GENERALLY ENHANCE SAFETY FOR CHILDREN IN THE NEIGHBORHOOD OF THEIR SCHOOL.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	362,200					362,200	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	362,200	0	0	0	0	362,200	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: NE 21ST/24TH
Capital System: Transportation
Program: Alternative Modes
Subprogram: Traffic Management

OBJECTIVES
 Maintain Capacity
 Upgrade Exist Facility X
 Add Capacity

System Ranking: 104 4
Urban Services? NO
Financial Analysis? YES
Public Facility Plan? YES
Asset Mgmt Plan? YES

City-wide Ranking:
Identification No: NTM/212
Neighborhood Needs No:

PROJECT DESCRIPTION:

FUNDING FOR THIS PROJECT FOR FY 95 WILL COME FROM CARRYOVER OF FY 94 FUNDS. ADDITIONAL FUNDS ARE BEING REQUESTED FOR FY 96 TO COMPLETE CONSTRUCTION. POTENTIAL DEVICES MAY INCLUDE 8 CURB EXTENSIONS AND 8 SPEED BUMPS ON NE 21ST AND NE 24TH BETWEEN NE KNOTT AND NE FREMONT.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	116,304	6,600				122,904	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	116,304	6,600	0	0	0	122,904	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	.	P	.	.	.		
Design/Proj Mgt	D	D	D	.	.	.		
Site Acquisition	.	.	.	.	.	.
Constr/Equip	.	C	C	C	.	.		
EST OPER/MAINT COSTS							0	

PROJECT: SW VIRGINIA NTMP
Capital System: Transportation
Program: Alternative Modes
Subprogram: Traffic Management

OBJECTIVES
 Maintain Capacity
 Upgrade Exist Facility X
 Add Capacity

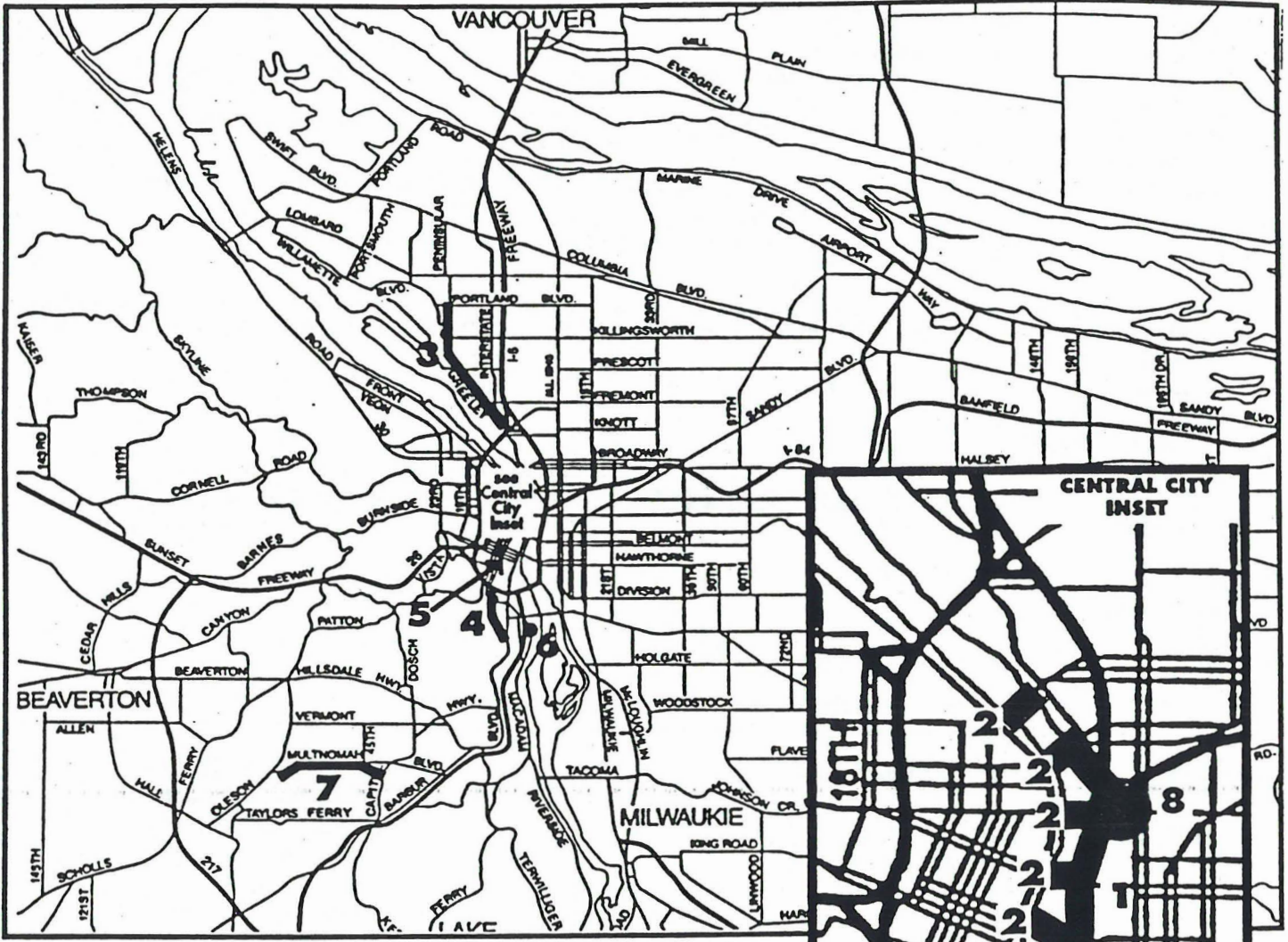
System Ranking: 108 8
Urban Services? NO
Financial Analysis? YES
Public Facility Plan? YES
Asset Mgmt Plan? YES

City-wide Ranking:
Identification No: NTM/204
Neighborhood Needs No:

PROJECT DESCRIPTION:

FINAL DESIGN AND CONSTRUCTION OF A MEDIAN ISLAND ON SW VIRGINIA AT TAYLORS FERRY

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	15,588					15,588	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	15,588	0	0	0	0	15,588	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	.						
Design/Proj Mgt	D	D						
Site Acquisition	.	.						
Constr/Equip	.	C						
EST OPER/MAINT COSTS							0	



- 1. Eastbank Esplanade/Local Match
- 2. Willamette River Bridges Access
- 3. N. Greeley Avenue Bikeway Connection
- 4. SW 4th/Barbur Bicycle Lanes
- 5. Central City Bike Lanes
- 6. SW Moody Avenue Bikeway
- 7. Multnomah Blvd. Bikeway
- 8. Burnside Bridge/East Access
- UNMAPPED
- 9. Bike Central
- 10. SE Bikeways

Note: Please refer to the appropriate Program Section for the specific year project occurs.

PROGRAM LOCATION MAP

PROJECT DETAIL

PROJECT: CENTRAL CITY BIKE LANES.

OBJECTIVES

Capital System: Transportation
 Program: Alternative Modes
 Subprogram: Bicycle Program

Maintain Capacity	
Upgrade Exist Facility	
Add Capacity	X

Public Facility Plan?	NO	System Ranking:	13
Asset Mgmt Plan?	YES	Urban Services?	NO
		Financial Analysis?	YES

City-wide Ranking:	
Identification No:	ATP/217
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

RETROFIT ARTERIAL STREETS IN THE CENTRAL CITY IDENTIFIED THROUGH CCTMP PUBLIC PROCESS WITH BIKE LANES. FY95 AND 96 CIP REQUEST WILL IMPLEMENT SIX LANE MILES OF ARTERIALS; SUBSEQUENT YEAR REQUESTS WILL IMPLEMENT 5-20 LANE MILES PER YEAR. THIS IS AN IMPORTANT COMPENENT OF OUR BICYCLE MASTER PLAN.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	60,000	100,000	100,000	100,000	100,000	460,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	60,000	100,000	100,000	100,000	100,000	460,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	P	D	D	D	D		
Design/Proj Mgt	D	D	D	D	D	D		
Site Acqulsition	C	C	C	C	C	C		
Constr/Equip								
EST OPER/MAINT COSTS							0	

PROJECT: SW MOODY AVE. BIKEWAY

OBJECTIVES

Capital System: Transportation
 Program: Alternative Modes
 Subprogram: Bicycle Program

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

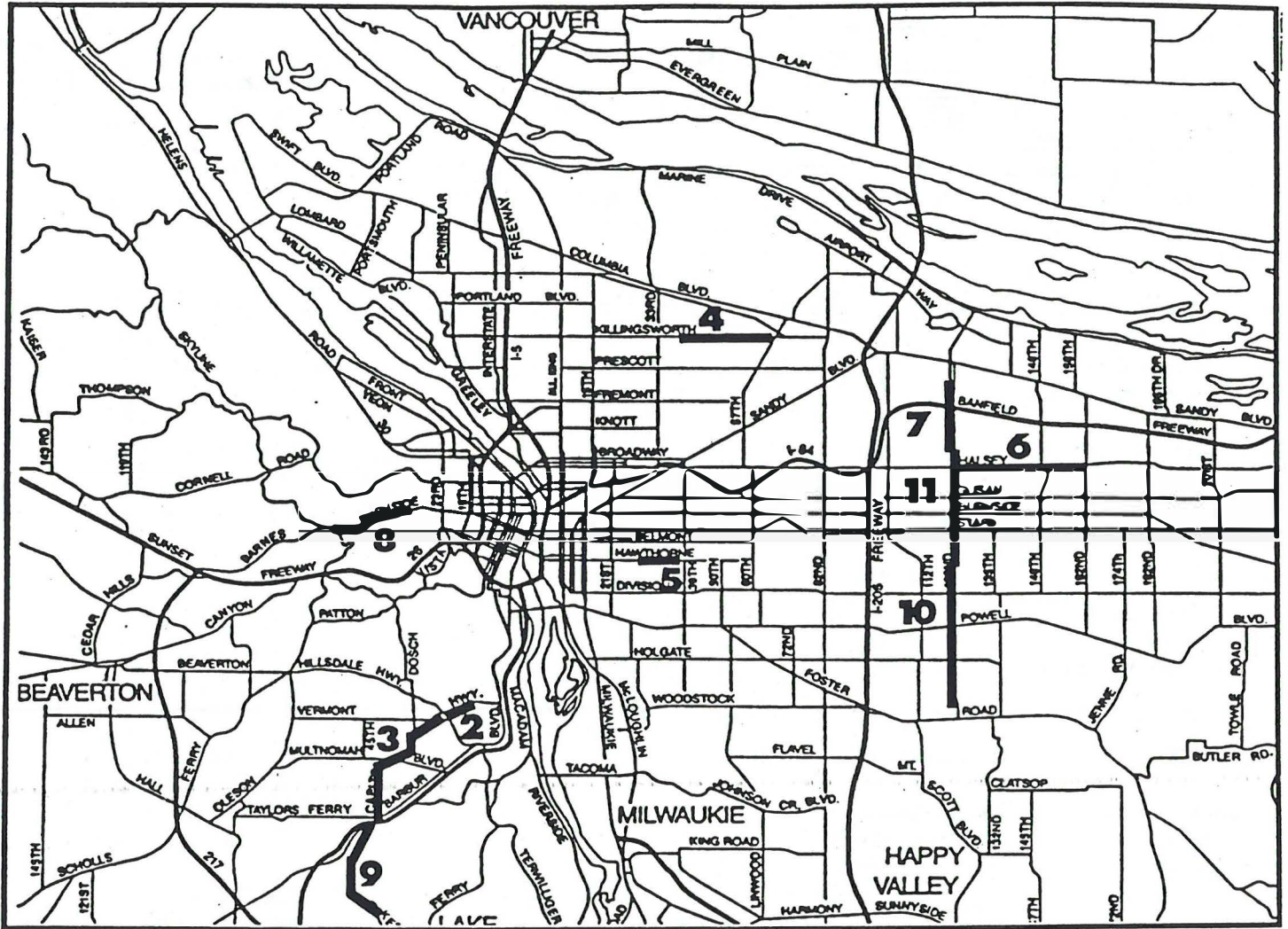
Public Facility Plan?	YES	System Ranking:	18
Asset Mgmt Plan?	YES	Urban Services?	NO
		Financial Analysis?	YES

City-wide Ranking:	
Identification No:	ATP/200
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

THIS PROJECT WILL CONSTRUCT AN IMPORTANT MISSING LINK ON MOODY AVE. ALONG THE WILLAMETTE GREENWAY PATH, WHICH IS A HEAVILY-USED COMMUTER AND RECREATIONAL WALKING FACILITY.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	68,500	75,124					75,124	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	68,500	75,124	0	0	0	0	75,124	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	P	D	D	D	D		
Design/Proj Mgt	D	D	D	D	D	D		
Site Acquisition	C	C	C	C	C	C		
Constr/Equip								
EST OPER/MAINT COSTS							0	



1. Transit Access Phase III, City-wide - not mapped
2. Hillsdale Pedestrian District
3. SW Capitol Blvd.: Barbur Blvd - Hillsdale
4. Killingsworth/42nd - Cully
5. SE Hawthorne Blvd/ 32nd -39th
6. NE Halsey/122nd to 162nd
7. NE/SE 122nd/ Shaver - San Rafael
8. W. Burnside/Tichner - Skyline
9. SW Capitol Hwy/49th - Barbur Blvd.
10. SE 122nd/Yamhill - Tibbetts
11. NE 122nd/ San Rafael - Yamhill

Note: Please refer to the appropriate Program Section for the specific year project occurs.

PROGRAM LOCATION MAP

PROJECT DETAIL

PROJECT: SW CAPITOL-BARBUR TO HILLSDALE

OBJECTIVES

Capital System: Transportation
Program: Alternative Modes
Subprogram: Pedestrian Program

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

Public Facility Plan?	NO	System Ranking:	16
Asset Mgmt Plan?	YES	Urban Services?	NO
		Financial Analysis?	YES

City-wide Ranking:	
Identification No:	PED/118
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

PROJECT WILL CONSIST OF PROJECT DEVELOPMENT, PRELIMINARY ENGINEERING AND CONSTRUCTION OF WALKWAYS AND OTHER PEDESTRIAN IMPROVEMENTS. PROJECT WAS IDENTIFIED AS A HIGH PRIORITY BY THE RESIDENTS OF THE NEIGHBORHOODS IN THE SOUTHWEST AREA AND THE SWNI TRANSPORTATION COMMITTEE.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	96,918					96,918	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	96,918	0	0	0	0	96,918	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	

PROJECT: NE 122ND: SHAVER-SAN RAFAEL

OBJECTIVES

Capital System: Transportation
Program: Alternative Modes
Subprogram: Pedestrian Program

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

Public Facility Plan?	NO	System Ranking:	19
Asset Mgmt Plan?	YES	Urban Services?	NO
		Financial Analysis?	YES

City-wide Ranking:	
Identification No:	PED/114
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

PROJECT WILL CONSIST OF DESIGN AND CONSTRUCTION OF A 6.5' SIDEWALK, CURB RAMPS, AND INLET RELOCATION ALONG PORTIONS OF 122ND AVENUE WHERE SIDEWALKS ARE NOT PRESENT. PEDESTRIAN IMPROVEMENTS ALONG 122ND WERE IDENTIFIED BY THE EAST PORTION DISTRICT AS THEIR TOP TRANSPORTATION DISTRICT-WIDE PRIORITY.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	221,591					221,591	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	221,591	0	0	0	0	221,591	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: SE 122ND/YAMHILL/TIBBETTS

OBJECTIVES

Capital System: Transportation
Program: Alternative Modes
Subprogram: Pedestrian Program

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking: 27
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No: PED/113
Neighborh'd Needs No:

Public Facility Plan? NO
Asset Mgmt Plan? YES

PROJECT DESCRIPTION:

PROJECT WILL CONSIST OF CONSTRUCTION OF A 6.5' SIDEWALK, CURB RAMPS AND INLET RELOCATION ALONG PORTIONS OF 122ND AVE WHERE SIDEWALK IS NOT PRESENT. PEDESTRIAN IMPROVEMENTS ALONG 122ND WERE IDENTIFIED BY THE EAST PORTLAND DISTRICT AS THEIR TOP TRANSPORTATION PRIORITY DISTRICT-WIDE.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	118,211					118,211	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	118,211	0	0	0	0	118,211	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	

PROJECT: NE 122ND: SAN RAFAEL-YAMHILL

OBJECTIVES

Capital System: Transportation
Program: Alternative Modes
Subprogram: Pedestrian Program

Maintain Capacity	X
Upgrade Exist Facility	
Add Capacity	

System Ranking: 28
Urban Services? NO
Financial Analysis? YES

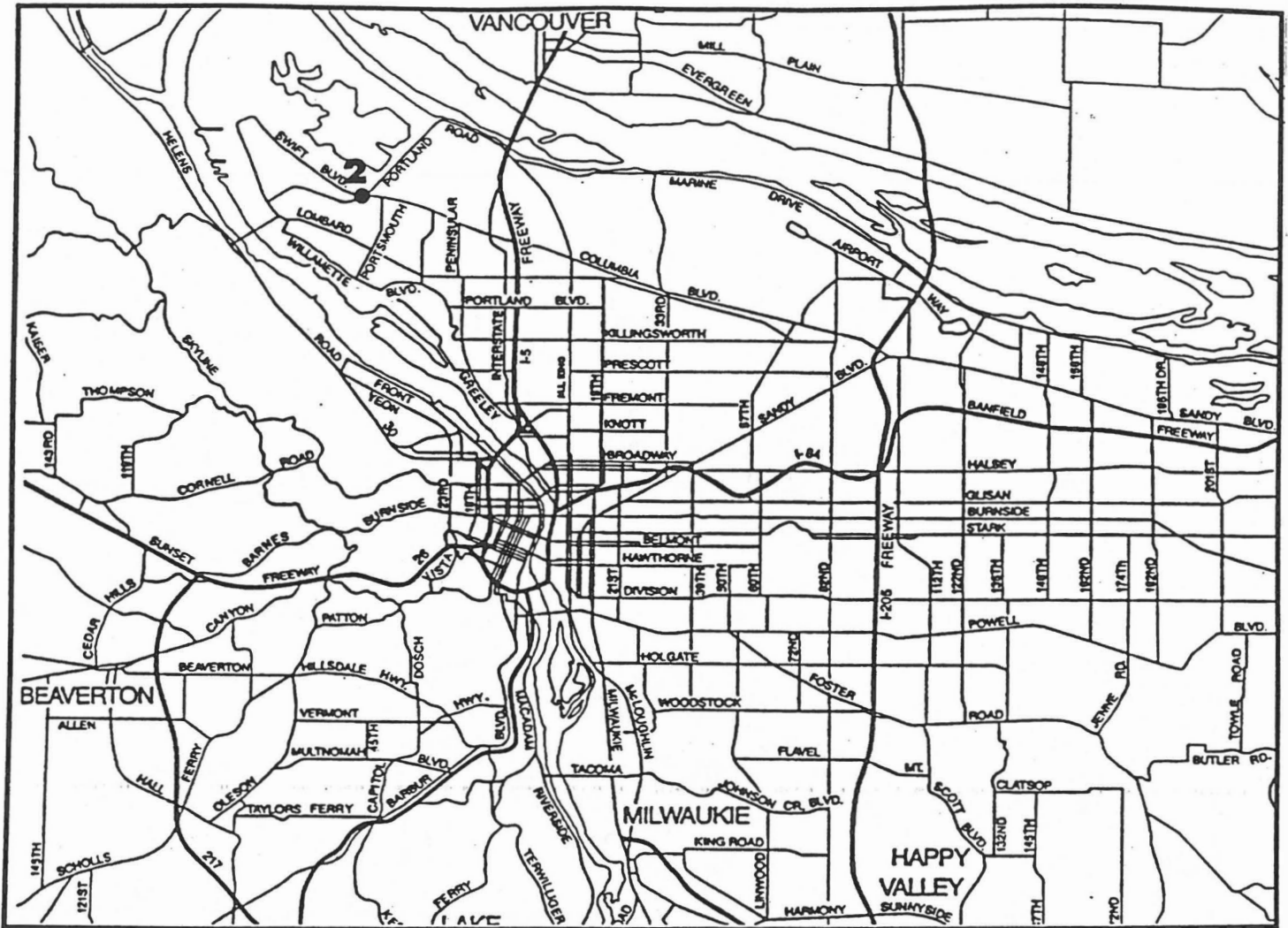
City-wide Ranking:
Identification No: PED/112
Neighborh'd Needs No:

Public Facility Plan? YES
Asset Mgmt Plan? YES

PROJECT DESCRIPTION:

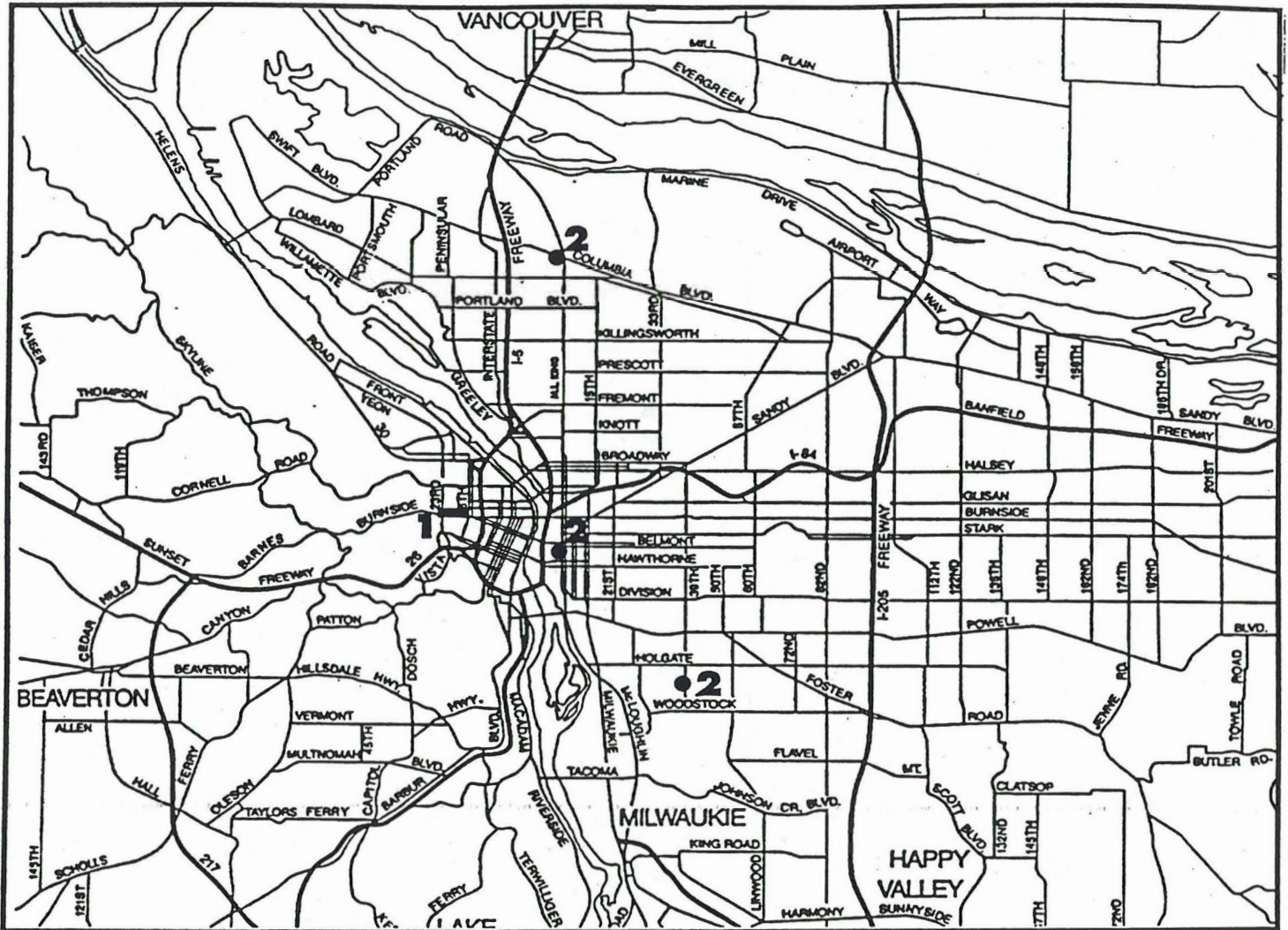
PROJECT WILL CONSIST OF CONSTRUCTION OF A 6.5' SIDEWALK, CURB RAMPS AND INLET RELOCATION ALONG PORTIONS OF 122ND AVE WHERE SIDEWALK IS NOT PRESENT. PEDESTRIAN IMPROVEMENTS ALONG 122ND WERE IDENTIFIED BY THE EAST PORTLAND DISTRICT AS THEIR TOP TRANSPORTATION PRIORITY DISTRICT-WIDE.

FUNDING SOURCES	Prior Yrs	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	54,331					54,331	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	54,331	0	0	0	0	54,331	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	



1. Seismic Risk Analysis - (City-wide, not mapped)
2. N. Portland Road over UPRR

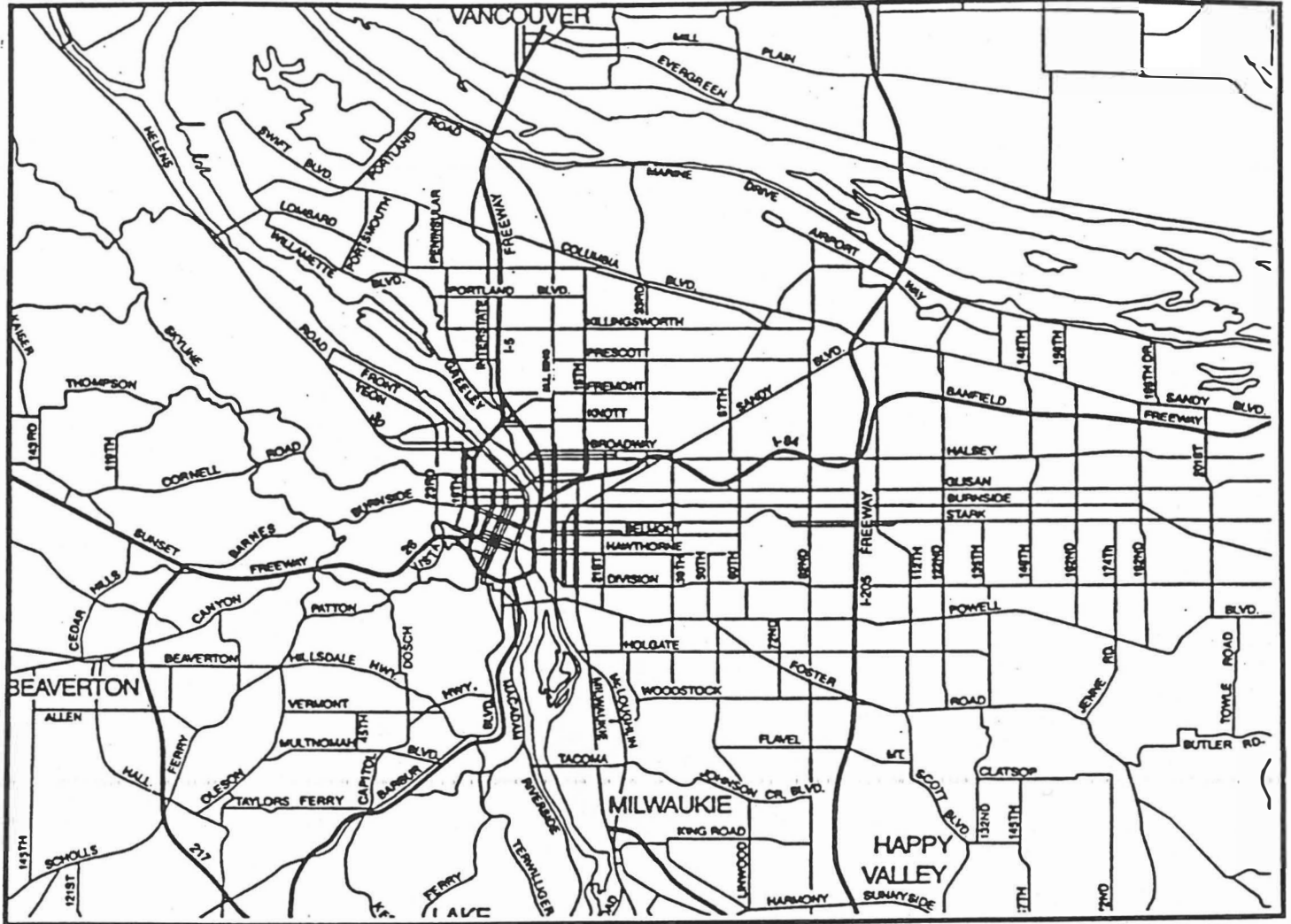
Note: Please refer to the appropriate Program Section for the specific year project occurs.



1. Remodels for Maintenance, Unit 3
2. Signal Safety Remodels, Unit 5

Note! Please refer to the appropriate Program Section for the specific year project occurs.

PROGRAM LOCATION MAP



UNMAPPED -City-wide

1. Conversions in Annexed Areas

Note: Please refer to the appropriate Program Section for the specific year project occurs.



PROJECT DETAIL SHEETS

WATER CAPITAL SYSTEM

PROJECT DETAIL

Project Title: *AUTOMATIC METER READING*
Project Ranking: *1 Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Economic Viability*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project will provide funding for a pilot project to install low power radio transmitting devices on water meters that are in buried chambers in streets that now require two people to read them. The meters will then be read by one person who will not have to enter the chambers. This will greatly reduce the time required to obtain meter readings while enhancing job safety.

As this first phase of automated meter reading is implemented, we should start to see efficiencies develop that will reduce operating costs and allow partial funding of future AMR activity.

252

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Water Construction Fund					\$272,600					\$272,600	\$272,600
Other											
Total					\$272,600					\$272,600	\$272,600

Costs/Schedule:											
Planning											
Design/Project Management											
City											
Contracted				\$112,400						\$112,400	\$112,400
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment				\$160,200						\$160,200	\$160,200
Total Annual Costs				\$272,600						\$272,600	\$272,600

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *ARNOLD STREET PUMP MAIN*
Project Ranking: *15 Non-Allocated Fund Group*
Project Identification # : *3489*
Water System Need Addressed: *Respond to Growth*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project provides for the installation of an additional main in the Capitol Highway area to improve supply capacity and eliminate pressure surges in the distribution system. A 16-inch main will be installed in SW 35th, from I-5 to Pomona Street, and SW Pomona Street from SW 35th to 43rd Avenue. This will allow separation of the distribution and pump systems to move high volumes of water more effectively. Analysis has shown that once the peak day demand exceeds 2,500 GPM the existing system will be overstressed and will not be able to meet service area demands. The project includes 6,100 feet of 16-inch water main. The project is scheduled for design in FY 94-95 with construction to be completed in FY 95-96. The primary need addressed by this project is Respond to Growth with secondary benefit of Public & Employee Safety.

253

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund		\$43,000	\$305	\$10,000	\$40,000	\$310,000				\$350,000	\$630,305
Other											
Total		\$43,000	\$305	\$10,000	\$40,000	\$310,000				\$350,000	\$630,305

Costs/Schedule:

Planning			\$5,000							\$5,000	
Design/Project Management											
City		\$20,000	\$305	\$5,000	\$15,000	\$17,000				\$32,000	\$87,305
Contracted		\$10,000			\$25,000					\$25,000	\$35,000
Site Acquisition		\$13,000									\$13,000
Construction											
City						\$20,000				\$20,000	\$20,000
Contracted						\$273,000				\$273,000	\$513,000
Major Equipment											
Total Annual Costs		\$43,000	\$305	\$10,000	\$40,000	\$310,000				\$350,000	\$630,305

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

PROJECT DETAIL

Project Title: BUDDINGTON PUMP STATION
Project Ranking: 20 Allocated Fund Group
Project Identification # : 3486
Water System Need Addressed: Public & Employee Safety

Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion X
 Efficiency

This project provides a second pumped supply source to the Arnold and Stephenson pressure systems in southwest Portland. The pump station will be designed to supply both the Arnold and Stephenson Reservoirs. The project will improve reliability and reduce the need for distribution storage in the area. The pump station will be supplied from the Burlingame system via the Capitol Highway Supply Project and the Buddington Reservoir. The new pump station will replace the existing Capital Highway Pump station. The project is scheduled for design in FY 94-95 with construction to be completed in FY 95-96. The primary need addressed by this project is Public & Employee Safety with secondary benefits of Respond to Growth.

254

Funding Sources:	Prior Yrs	Budget	Actual	Current Year		FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95				FY 95-96	TOTAL	PROJECT COST
Water Construction Fund		\$32,000	\$1,772	\$30,000	\$75,000	\$465,000				\$540,000	\$571,772
Other											
Total		\$32,000	\$1,772	\$30,000	\$75,000	\$465,000				\$540,000	\$571,772

Costs/Schedule:										
Planning			\$15,000							\$15,000
Design/Project Management										
City	\$22,000	\$1,772	\$15,000	\$25,000	\$45,000				\$70,000	\$86,772
Contracted	\$10,000			\$50,000	\$5,000				\$55,000	\$110,000
Site Acquisition										
Construction										
City					\$30,000				\$30,000	\$60,000
Contracted					\$385,000				\$385,000	\$770,000
Major Equipment										
Total Annual Costs	\$32,000	\$1,772	\$30,000	\$75,000	\$465,000				\$540,000	\$571,772

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *BULL RUN BRIDGE IMPROVEMENTS*
Project Ranking: *35.5 Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*

Objectives:

<i>Maintenance/Repair</i>	X
<i>Replacement</i>	
<i>Mandated</i>	
<i>Expansion</i>	
<i>Efficiency</i>	

This project includes extensive improvements to the five major conduit bridges and one major highway bridge in the Bull Run area. These improvements will be identified and studied in FY 93-94 as part of the Bull Run Bridge Maintenance project. Improvements will be implemented as a phased program starting in FY 94-95, with improvements to one bridge each fiscal year. Primary benefit of the project is maintenance of the existing water system.

255

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund					\$30,000	\$130,000	\$130,000	\$130,000	\$130,000	\$550,000	\$650,000
Other											
Total					\$30,000	\$130,000	\$130,000	\$130,000	\$130,000	\$550,000	\$650,000

Costs/Schedule:

Planning					\$5,000					\$5,000	\$5,000
Design/Project Management										\$0	\$0
City					\$5,000	\$15,000	\$15,000	\$15,000	\$15,000	\$65,000	\$65,000
Contracted					\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$100,000	\$100,000
Site Acquisition										\$0	\$0
Construction										\$0	\$0
City						\$10,000	\$10,000	\$10,000	\$10,000	\$40,000	\$40,000
Contracted						\$85,000	\$85,000	\$85,000	\$85,000	\$340,000	\$340,000
Major Equipment										\$0	\$0
Total Annual Costs					\$30,000	\$130,000	\$130,000	\$130,000	\$130,000	\$550,000	\$550,000

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *BULL RUN BRIDGE MAINTENANCE*
Project Ranking: *9 Non-Allocated Fund Group*
Project Identification # : *2905*
Water System Need Addressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project provides for bridge inspection by City bridge engineers and a phased minor repair and maintenance program on the major conduit and highway bridges in the Bull Run area and on 20 minor conduit bridges in the Bull Run Watershed and the right-of-way through Gresham. The project also provides for structural evaluation and identification of requirements for improvements to the five major conduit bridges and one major highway bridge in the Bull Run area. Designs and construction of any major improvements to these bridges is funded as part of the Bull Run Bridge Improvements Project. The project is intended to be an on-going maintenance project that has not been funded in recent years due to a shortage of funds.

256

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund					\$50,000	\$100,000	\$30,000	\$30,000	\$30,000	\$240,000	\$240,000
Other											
Total					\$50,000	\$100,000	\$30,000	\$30,000	\$30,000	\$240,000	\$240,000

Costs/Schedule:											
Planning					\$5,000					\$5,000	\$5,000
Design/Project Management											
City					\$22,000	\$22,000	\$5,000	\$5,000	\$5,000	\$59,000	\$59,000
Contracted					\$23,000	\$70,000				\$93,000	\$93,000
Site Acquisition											
Construction											
City						\$8,000	\$25,000	\$25,000	\$25,000	\$83,000	\$83,000
Contracted											
Major Equipment											
Total Annual Costs					\$50,000	\$100,000	\$30,000	\$30,000	\$30,000	\$240,000	\$240,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *BULL RUN LAKE FISH MITIGATION*
Project Ranking: *Mandatory*
Project Identification # :
Water System Need Addressed: *Environment & Conservation*

Objectives:
Maintenance/Repair
Replacement
Mandated **X**
Expansion
Efficiency

This project includes improvements to Bull Run Lake to provide and protect habitat for fish and other wildlife. Specific improvements include fish cover structures, screening of outlets and outlet modifications. This work is mandated under terms of the 1993 Bull Run Lake Level Management Environmental Assessment and Special Use Permit. The timing of this project is highly dependent upon the U.S. Forest Service. We expect the project to be delayed, but the budgeted schedule for the project is currently for the improvements to be designed in FY 93-94, with construction starting in FY 94-95 and completed in FY 95-96.

257

Funding Sources:	Prior Yrs	Budget	Actual	Current Year		FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95				TOTAL	PROJECT COST
Water Construction Fund				\$10,000	\$30,000	\$10,000			\$40,000	\$50,000
Other										
Total				\$10,000	\$30,000	\$10,000			\$40,000	\$50,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year		FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95				TOTAL	PROJECT COST
Planning				\$5,000						\$5,000
Design/Project Management										
City				5,000	4,000	2,000			6,000	\$11,000
Contracted										
Site Acquisition										
Construction										
City					16,000	8,000			24,000	\$24,000
Contracted					10,000				10,000	\$10,000
Major Equipment										
Total Annual Costs				\$10,000	\$30,000	\$10,000			\$40,000	\$50,000

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *BULL RUN LAKE IMPROVEMENT*
Project Ranking: *11 Non-Allocated Fund Group*
Project Identification # : *3472*
Water System Need Addressed: *Respond to Growth*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project provides for a geologic, geotechnical, and hydrologic review of Bull Run Lake. The review would investigate the feasibility of an additional outlet to gain more water at Bull Run Lake. The review would also investigate reducing the leakage at the lake. If feasible, reducing the leakage will improve recovery from drawdowns and the lake's storage reliability. If proven feasible, sealing the source of leakage will enable Bull Run Lake to become an annually renewable storage, thereby increasing summer storage capacity in the watershed. The primary benefit from this project is additional water supply with secondary benefits of system maintenance, environmental enhancement and public & employee safety.

258

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Water Construction Fund					\$20,000	\$70,000	\$70,000	\$70,000	\$20,000	\$250,000	\$250,000
Other											
Total					\$20,000	\$70,000	\$70,000	\$70,000	\$20,000	\$250,000	\$250,000

Costs/Schedule:											
Planning					\$2,000					\$2,000	\$2,000
Design/Project Management											
City					\$3,000	\$10,000	\$10,000	\$10,000	\$20,000	\$53,000	\$53,000
Contracted					\$15,000	\$60,000	\$60,000	\$60,000		\$195,000	\$195,000
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs					\$20,000	\$70,000	\$70,000	\$70,000	\$20,000	\$250,000	\$250,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *BULL RUN LAKE MAINTENANCE*
Project Ranking: *16 Allocated Fund Group*
Project Identification # : *2902*
Water System Need Addressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This study includes maintenance of the man-made dike at Bull Run Lake. Wave action in the lake has caused severe erosion of the dike. A geotechnical study in FY 85-86 recommended corrective measures. Subsequent investigations have identified that maintenance of the access roads leading to the dike will also be needed prior to construction of dike repairs. The schedule for this project is dependent upon the U.S.F.S. We anticipate that much of the work will be delayed two years from the current plan which shows FY 93-94 to include environmental planning & permitting of road and dike repairs, and final design of access road work. Road construction and design of dike maintenance is scheduled to occur in FY 94-95. Dike maintenance construction is scheduled for FY 95-96. Primary purpose of the project is system maintenance.

259

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund		\$180,000	\$30,851	\$65,000	\$200,000	\$390,000				\$590,000	\$685,851
Other											
Total		\$18,000	\$30,851	\$65,000	\$200,000	\$390,000				\$590,000	\$685,851

Costs/Schedule:										
Planning			\$10,000							\$10,000
Design/Project Management										
City		\$30,000	\$30,851	\$10,000	\$60,000	\$67,000			\$127,000	\$167,851
Contracted		\$49,000		\$20,000						\$20,000
Site Acquisition										
Construction										
City				\$25,000	\$70,000	\$5,000			\$75,000	\$100,000
Contracted		\$101,000			\$70,000	\$318,000			\$388,000	\$388,000
Major Equipment										
Total Annual Costs		\$180,000	\$30,851	\$65,000	\$200,000	\$390,000			\$590,000	\$685,851

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *BULL RUN LAKE PUMP SYSTEM*
Project Ranking: *Non-Budgeted – Water Supply Planning Dependent*
Project Identification # :
Water System Need Addressed: *System Growth*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Project will allow the Bureau to refill Bull Run Lake each year by pumping water to the lake each winter when the lake does not refill naturally. Project includes a power source, intake and pump station on the Bull Run River, and 12,000 feet of 24" diameter pipeline to Bull Run Lake. Primary benefit of the project is to increase the available storage capacity in the Bull Run Lake. The project need and schedule are dependent upon decisions concerning the need for additional water supplies that will not be made until after completion of the Regional Water Supply Plan in 1995.

Funding Sources:	Year 1	Year 2	Year 3	Year 4	Total Project Cost
Water Construction Fund	\$300,000	\$300,000	\$1,400,000	\$2,000,000	\$4,000,000
Other					
Total	\$300,000	\$300,000	\$1,400,000	\$2,000,000	\$4,000,000

260

PROJECT DETAIL

Project Title: *BULL RUN RESERVOIR 2 WATER QUALITY STUDY*
Project Ranking: *6 Non-Allocated Fund Group*
Project Identification # :
Water System Need Adressed: *Respond to Growth*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Water level fluctuations in the two Bull Run Reservoirs can cause suspension of sediment (e.g., from stream deltas) and increases in turbidity levels. In particular, when the water level of Bull Run Reservoir 2 drops over ten feet, wave action on the high ground near the water intake can cause significant turbidity increases, resulting in potential violations of federal water quality standards. This project consists of developing a sediment transport/turbidity model to allow the Bureau to predict raw water turbidities as a function of reservoir level and climatic conditions. This work will include some additional sediment monitoring, reservoir bottom mapping, and evaluation of options for reservoir operation to minimize turbidity increases. Project will result in improved operation of the reservoirs that may allow larger storage withdrawals. Therefore, the primary benefit of the project is to meet system growth with secondary benefits of more efficient reservoir operation.

261

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST	
Water Construction Fund					\$70,000	\$50,000					\$120,000	\$120,000
Other												
Total					\$70,000	\$50,000					\$120,000	\$120,000

Costs/Schedule:												
Planning					\$5,000						\$5,000	\$5,000
Design/Project Management												
City					\$26,000	\$16,000					\$42,000	\$42,000
Contracted					\$39,000	\$34,000					\$73,000	\$73,000
Site Acquisition												
Construction												
City												
Contracted												
Major Equipment												
Total Annual Costs					\$70,000	\$50,000					\$120,000	\$120,000

Estimated Additional Operating/Maintenance Costs												
Estimated Additional Operating/Maintenance (Savings)												

PROJECT DETAIL

Project Title: *BURLINGAME SERVICE AREA STORAGE IMPROVEMENT*
Project Ranking: *53 Non-Allocated Fund Group*
Project Identification # :
Water System Need Adressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project provides for an evaluation of Burlingame Service Area storage against the Bureau's storage criteria. Many of the existing storage facilities in the Burlingame service area were obtained by annexation and are too low to operate effectively as part of the Burlingame pressure zone. The project also provides for construction of additional storage at the proper elevation if required, for piping and control modifications to improve operation of existing storage facilities if feasible, and for removal of existing storage facilities if unusable. Two existing storage facilities, Alfred Tank and Brugger Tank, may have sites suitable for constructing new storage for the area. This project incorporates the former Canby High Tank Replacement and Collins View Tank Modification projects. The primary benefit of the project is systems maintenance with secondary benefits of increasing systems efficiency and capacity.

262

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR		TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund									\$115,000	\$115,000	\$1,155,000
Other											
Total									\$115,000	\$115,000	\$1,155,000

PROJECT DETAIL

Project Title: *BURLINGAME/WCSL INTERTIE*
Project Ranking: *28 Non-Allocated Fund Group*
Project Identification # :
Water System Need Adressed: *Respond to Growth*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project provides for the modification and improvement to the intertie between the Washington County Supply Main and the Burlingame Distribution System to allow a more reliable long-term supply. The present intertie is designed for short-term emergencies. The proposed modifications will allow longer term service from either source by the installation of a pressure regulating station, allowing non-manual operation. The primary benefit of the project is enhancement of the supply system.

263

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund						\$70,000				\$70,000	\$70,000
Other											
Total						\$70,000				\$70,000	\$70,000

Costs/Schedule:										
Planning										
Design/Project Management										
City						\$15,000			\$15,000	\$15,000
Contracted										
Site Acquisition										
Construction										
City						\$17,000			\$17,000	\$17,000
Contracted						\$38,000			\$38,000	\$38,000
Major Equipment										
Total Annual Costs						\$70,000			\$70,000	\$140,000

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *BURNSIDE PUMP STATION UPGRADE*
Project Ranking: *62 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

The Burnside Pump Station pumps to the Calvary Tank which is the primary supply for the Sylvan, Skyline and NW Hills storage area and provides back-up supply to the Tualatin Valley Water District. This is a secondary supply source to the Calvary Tank and is needed for reliability in the event the primary station, owned by Tualatin Valley Water District is unavailable or back-up emergency supply is needed by Tualatin Valley Water District. The project will reconstruct the existing facility, making the primary benefit of the project system maintenance.

264

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Water Construction Fund									\$50,000	\$50,000	\$350,000
Other											
Total									\$50,000	\$50,000	\$350,000

PROJECT DETAIL

Project Title: *CAPITOL HIGHWAY SUPPLY & I-5 CROSSING*
Project Ranking: *25 Allocated Fund Group*
Project Identification # : *3488*
Water System Need Addressed: *Public & Employee Safety*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project continues the extension of mains to improve supply to southwest Portland south of I-5. Four thousand feet of 12-inch main will be installed from SW 61st Avenue and Dickinson to Buddington Tank, including 500 feet to be bored under I-5. Coupled with the Buddington pump station, this project will be a second source of supply to Arnold and Stephenson supply pressure system. Buddington Tank will be supplied from Burlingame Water System via this proposed 12-inch main instead of the existing supply from Arnold Tank which will make a more reliable and energy efficient system. Project planning is occurring in FY 93-94. Project design is scheduled for FY 94-95 with construction in FY 95-96. Primary benefit of the project is improvement of fire flows and system reliability with secondary benefits of increasing system capacity.

265

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Water Construction Fund				\$10,000	\$65,000	\$755,000				\$820,000	\$830,000
Other											
Total				\$10,000	\$65,000	\$755,000				\$820,000	\$830,000

Costs/Schedule:

Planning				\$10,000							\$10,000
Design/Project Management											
City					\$15,000	\$33,000				\$48,000	\$48,000
Contracted					\$50,000	\$20,000				\$70,000	\$70,000
Site Acquisition											
Construction											
City						\$72,000				\$72,000	\$72,000
Contracted						\$630,000				\$630,000	\$630,000
Major Equipment											
Total Annual Costs				\$10,000	\$65,000	\$755,000				\$820,000	\$830,000

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

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PROJECT DETAIL

Project Title: CAREY BOULEVARD SUPPLY MAIN
Project Ranking: 69 Non-Allocated Fund Group
Project Identification # :
Water System Need Addressed: Respond to Growth

Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

This project will provide a major supply loop to Hayden Island and to the Rivergate area. The project consists of 15,000 feet of 24-inch main in N Carey Boulevard and N Portland Road from N Princeton to N Suttle Road. This supply main includes a bridge crossing of the Burlington Northern Railroad cut. The project will enable the elimination of the Rivergate Pump Station and will be needed for supply to West Hayden Island. The primary benefit of the project is to increase service capacity of the Water system.

266

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Water Construction Fund										\$0	\$2,785,000
Other											
Total										\$0	\$2,785,000

PROJECT DETAIL

Project Title: *CONDUIT 5*
Project Ranking: *Non-Budgeted Water Supply Planning Dependent*
Project Identification # :
Water System Need Addressed: *Respond to Growth*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Construction of a 120-inch conduit from the Bull Run watershed to Portland storage facilities (23 miles) would have a capacity of 250 MGD, or about the same capacity as the total of the three existing conduits. Construction of this conduit would replace the three existing conduits as the main route for water from the Bull Run, while the other conduits would be held in reserve to provide for summer peak use. The project will provide dual benefits of system expansion and maintenance/replacement. Because Conduit 5 is expected to expand the system's capacity to meet growth outside the City, at least 10% of the project cost is anticipated to be provided by water districts and other cities served by the Water Bureau.

Funding Sources:	Year 1	Year 2	Year 3	Year 4	Year 5	Total Project Cost
Water Construction Fund	\$4,500,000	\$31,500,000	\$27,000,000	\$27,000,000	\$9,410,000	\$99,410,000
Other	5,000,000	3,500,000	3,000,000	3,000,000	1,035,000	\$15,535,000
Total	\$9,500,000	\$35,000,000	\$30,000,000	\$30,000,000	\$10,445,000	\$114,945,000

267

PROJECT DETAIL

Project Title: *CONDUIT 5 RIGHT-OF-WAY*
Project Ranking: *6 Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project provides for work required to survey, map, obtain and record easements to provide unencumbered Bureau rights along the 23-mile future Conduit 5 route. The vast majority of the pipeline route is purchased. The primary purpose of the project is to maintain the Bureaus' rights over the many easements. This is an on-going project until Conduit 5 is constructed.

268

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Water Construction Fund					\$25,000	\$15,000	\$20,000	\$15,000	\$15,000	\$90,000	\$90,000
Other											
Total					\$25,000	\$15,000	\$20,000	\$15,000	\$15,000	\$90,000	\$90,000

Costs/Schedule:

Planning										\$0	
Design/Project Management										\$0	
City					\$25,000	\$15,000	\$20,000	\$15,000	\$15,000	\$90,000	\$90,000
Contracted										\$0	
Site Acquisition										\$0	
Construction										\$0	
City										\$0	
Contracted										\$0	
Major Equipment										\$0	
Total Annual Costs					\$25,000	\$15,000	\$20,000	\$15,000	\$15,000	\$90,000	\$90,000

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

PROJECT DETAIL

Project Title: *CONDUIT BLOWOFF MAINTENANCE*
Project Ranking: *32.5 Allocated Fund Group*
Project Identification # : *3027*
Water System Need Addressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project will improve the operation and safety of the existing Bull Run conduits while addressing the needs of DEQ for the protection of fishery resources from chlorinated water discharges. The conduits currently have approximately 100 blowoffs, of which over 90 percent cannot be used to their full capacity due to inadequate drain facilities. This project includes design of a portable dechlorination trailer in FY 93-94; construction of the trailer, environmental planning, pre-design and design of blowoff improvements in FY 94-95; and construction of blowoff modifications beginning in FY 95-96. The primary benefit of the project is maintenance of the Bull Run Conduits.

269

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund				\$10,000	\$90,000	\$50,000			\$100,000	\$240,000	\$250,000
Other											
Total				\$10,000	\$90,000	\$50,000			\$100,000	\$240,000	\$250,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Planning				\$5,000							\$5,000
Design/Project Management											
City				\$5,000	\$23,000	\$26,000			\$25,000	\$74,000	\$79,000
Contracted											
Site Acquisition											
Construction											
City					\$27,000	\$11,000			\$20,000	\$58,000	\$58,000
Contracted									\$55,000	\$55,000	\$55,000
Major Equipment					\$40,000	\$13,000				\$53,000	
Total Annual Costs				\$10,000	\$90,000	\$50,000			\$100,000	\$240,000	\$250,000

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *CONDUIT MANHOLES*
Project Ranking: *10 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project provides for a standard design and installation of manholes over existing conduit access holes that are buried. Currently, when access is needed to a conduit the access hole must be excavated and shored. These manholes will be installed on an ongoing basis as the access holes are uncovered instead of backfilling over them as done in the past. These access points are routinely used for maintenance and the inspection of the conduits that supply water to the City from the Bull Run watershed. The primary project benefit is systems maintenance with secondary benefits of employee safety and efficiency.

270

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Water Construction Fund.					\$50,000	\$50,000	\$50,000	\$45,000	\$45,000	\$240,000	\$240,000
Other											
Total					\$50,000	\$50,000	\$50,000	\$45,000	\$45,000	\$240,000	\$240,000

Costs/Schedule:

Planning											
Design/Project Management											
City					\$7,500	\$7,500	\$7,500	\$5,000	\$5,000	\$32,500	\$32,500
Contracted											
Site Acquisition											
Construction											
City					\$42,500	\$42,500	\$42,500	\$40,000	\$40,000	\$207,500	\$207,500
Contracted											
Major Equipment											
Total Annual Costs					\$50,000	\$50,000	\$50,000	\$45,000	\$45,000	\$240,000	\$240,000

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

PROJECT DETAIL

Project Title: *CONNECTIONS TO WATER DISTRICTS*
Project Ranking: *25 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Economic Viability*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project will construct Interties between the Portland water system and the Milwaukie water system and enlarge the connection to the Clackamas water system. The purpose of the project is to increase Portland's ability to obtain water at a reasonable cost during drought conditions. Project has a secondary benefit of increasing system capacity.

271

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund					\$120,000					\$120,000	\$120,000
Other											
Total					\$120,000					\$120,000	\$120,000

Costs/Schedule:

Planning											
Design/Project Management											
City					\$19,700					\$19,700	\$19,700
Contracted					\$20,000					\$20,000	\$20,000
Site Acquisition											
Construction											
City											
Contracted					\$80,300						\$80,300
Major Equipment											
Total Annual Costs					\$120,000					\$120,000	\$120,000

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: CONTROL CENTER MAINTENANCE
Project Ranking: 32.5 Allocated Fund Group
Project Identification # :
Water System Need Adressed: Maintain System

Objectives:	
Maintenance/Repair	X
Replacement	
Mandated	
Expansion	
Efficiency	

The Water Bureau's SCADA (Supervisory Control and Data Acquisition) system utilizes a network of RTU's (Remote Telemetry Units) installed at pump stations, tanks, valves, and other sites throughout the city. A system of telephone and radio links carry data between the RTU's and the central computer system at the Water Control Center.

This project provides for the maintenance of the telemetry sites and the SCADA system.

The project is intended to be ongoing with a large expenditure in FY 98-99 to upgrade and replace the central control system at the Water Control Center. The primary purpose of the project is system maintenance.

272

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST	
Water Construction Fund				\$5,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$750,000	\$850,000	\$855,000
Other												
Total				\$5,000	\$25,000	\$25,000	\$25,000	\$25,000	\$750,000	\$850,000	\$855,000	

Costs/Schedule:

Planning											
Design/Project Management											
City			\$1,000	\$6,500	\$6,500	\$6,500	\$6,500	\$40,000	\$66,000	\$67,000	
Contracted								\$100,000	\$100,000	\$100,000	
Site Acquisition											
Construction											
City			\$4,000	\$18,500	\$18,500	\$18,500	\$18,500	\$60,000	\$134,000	\$138,000	
Contracted								\$550,000	\$550,000	\$550,000	
Major Equipment											
Total Annual Costs			\$5,000	\$25,000	\$25,000	\$25,000	\$25,000	\$750,000	\$850,000	\$855,000	

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

PROJECT DETAIL

Project Title: *CONTROL SYSTEMS IMPROVEMENT*
Project Ranking: *38 Non-Allocated Fund Group*
Project Identification # : *3021*
Water System Need Addressed: *Economic Viability*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project provides for adding new telemetry sites to the Water Bureau's SCADA (Supervisory Control and Data Acquisition) system. New sites are needed to address facilities acquired by annexation, to improve operational reliability and efficiency, to monitor outside purveyors, and to monitor additional key operational data points. The project is intended to be an on-going program whose primary benefit is improving the efficient operation and designs of the water system. This on-going project enables more efficient operation of the system and improves the design of the water system.

273

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund					\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000	\$125,000
Other											
Total					\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000	\$125,000

Costs/Schedule:												
Planning												
Design/Project Management												
City					\$7,000	\$7,000	\$7,000	\$7,000	\$7,000	\$35,000	\$35,000	
Contracted												
Site Acquisition												
Construction						\$13,000	\$13,000	\$13,000	\$13,000	\$52,000	\$52,000	
City					\$18,000	\$5,000	\$5,000	\$5,000	\$5,000	\$38,000	\$38,000	
Contracted												
Major Equipment												
Total Annual Costs					\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000	\$125,000	

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *CORROSION CONTROL EXTERNAL*
Project Ranking: *38 Allocated Fund Group*
Project Identification # : *2906*
Water System Need Addressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project provides for cathodic protection corrosion control for the conduits, supply mains, and storage tanks. The project funds maintenance of existing, and installation of new, cathodic protection systems. This is an on-going project whose primary benefit is maintenance of the water system.

274

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Water Construction Fund				\$100,000	\$150,000	\$100,000	\$200,000	\$200,000	\$200,000	\$850,000	\$950,000
Other											
Total				\$100,000	\$150,000	\$100,000	\$200,000	\$200,000	\$200,000	\$850,000	\$950,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Planning											
Design/Project Management											
City				\$10,000	\$15,000	\$30,000	\$30,000	\$30,000	\$30,000	\$135,000	\$145,000
Contracted											
Site Acquisition											
Construction											
City				\$25,000	\$35,000	\$50,000	\$70,000	\$70,000	\$70,000	\$295,000	\$320,000
Contracted				\$65,000	\$100,000	\$20,000	\$100,000	\$100,000	\$100,000	\$420,000	\$485,000
Major Equipment											
Total Annual Costs				\$100,000	\$150,000	\$100,000	\$200,000	\$200,000	\$200,000	\$850,000	\$950,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title:	CORROSION CONTROL REGULATORY COMPLIANCE	Objectives:	
Project Ranking:	Mandatory	Maintenance/Repair	<input type="checkbox"/>
Project Identification # :	3468	Replacement	<input type="checkbox"/>
Water System Need Addressed:	Public Health	Mandated	X
		Expansion	<input type="checkbox"/>
		Efficiency	<input type="checkbox"/>

This project includes the monitoring and study of improvement alternatives that will be required to comply with new regulations for copper and lead. Study of corrosion control alternatives is scheduled for FY 93-94. Depending on the results of the study, the Bureau will design and implement treatment procedures and follow-up monitoring. Predesign and design of corrosion control measures will be performed in FY 94-95 with construction scheduled for FY 95-96 and FY 96-97. The primary benefit of the project is the protection of public health.

275

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Sewer Construction Fund		\$38,000	\$398,691	\$325,000	\$300,000	\$2,200,000	\$500,000			\$3,000,000	\$3,723,691
Grants											
Total		\$38,000	\$398,691	\$325,000	\$300,000	\$2,200,000	\$500,000			\$3,000,000	\$3,723,691

Costs/Schedule:											
Planning											
Design/Project Management											
City		\$33,000	\$33,000	\$50,000	\$70,000	\$67,000	\$50,000			\$187,000	\$270,000
Contracted		\$5,000	\$310,042	\$200,000	\$230,000	\$92,000	\$10,000			\$332,000	\$842,042
Site Acquisition											
Construction											
City			\$50,649	\$75,000							\$125,649
Contracted			\$5,000			\$2,041,000	\$440,000			\$2,481,000	\$2,486,000
Major Equipment											
Total Annual Costs		\$38,000	\$398,691	\$325,000	\$300,000	\$2,200,000	\$500,000			\$3,000,000	\$3,723,691

Estimated Additional Operating/Maintenance Costs					\$700,000	\$700,000	\$700,000	\$2,100,000	on-going
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: COUNCIL CREST RESERVOIR NO. 3
Project Ranking: 60 Non-Allocated Fund Group
Project Identification # :
Water System Need Addressed: Maintain System

Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

This project provides for an evaluation of Council Crest Service Area storage against the Bureau's storage criteria. The project also provides for construction of additional storage, if required, and for piping and control modifications to improve operation of existing storage facilities. The primary benefit of the project is to improve the fire protection and service capacity by bringing this area up to current system standards.

276

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Water Construction Fund									\$100,000	\$100,000	\$435,000
Other											
Total									\$100,000	\$100,000	\$435,000

PROJECT DETAIL

Project Title: *CUSTOMER BILLING & INFORMATION SYSTEM*
Project Ranking: *1 Allocated Fund Group*
Project Identification #:
Water System Need Addressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project completes the replacement of the existing Customer Billing and Information System (CBIS). The Bureau currently processes water and sewer bills for over 150,000 accounts. Total annual cash flow through the system is \$100 million. The existing system lacks flexibility required to meet emerging billing needs. During the first year a system vendor will be selected and hardware and software customization will begin. In the second and third years the current system will be converted to the new application.

277

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Water Construction Fund					1,000,000	\$270,000	\$220,000			1,490,000	\$1,490,000
Other						270,000	220,000			\$490,000	\$490,000
											\$0
											\$0
Total	\$0	\$0	\$0	\$0	1,000,000	\$540,000	\$440,000	\$0	\$0	1,980,000	\$1,980,000

Costs/Schedule:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Planning											\$0
Design/Project Management											\$0
City											\$0
Contracted					500,000	\$270,000	\$220,000			\$990,000	\$990,000
Site Acquisition										\$0	\$0
Construction										\$0	\$0
City										\$0	\$0
Contracted					500,000	\$270,000	\$220,000			\$990,000	\$990,000
Major Equipment										\$0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	1,000,000	\$540,000	\$440,000	\$0	\$0	1,980,000	\$1,980,000

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

PROJECT DETAIL

Project Title: *DAM 1 OUTLET WORKS*
Project Ranking: *23 Non-Allocated Fund Group*
Project Identification # :
Water System Need Adressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project provides for an engineering study of the outlet works associated with Dam #1. These facilities are nearly 70 years old and are critical to the safe and reliable operation of the dam. The study will investigate the condition of these facilities and recommend procedures to upgrade and maintain the integrity of the dam. Actual construction will be accomplished in a future capital project as required.

278

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund						\$210,000				\$210,000	\$210,000
Other											
Total						\$210,000				\$210,000	\$210,000

PROJECT DETAIL

Project Title: *DAM 2 SPILLWAY RAISE*
Project Ranking: *Non-Budgeted – Water Supply Plan Dependent*
Project Identification # : *3482*
Water System Need Addressed: *Respond to Growth*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project provides for a feasibility study and the ultimate construction of an inflatable dam in the existing Dam No. 2 spillway. This dam would increase the amount of water that can be stored in Bull Run Reservoir No. 2 thereby providing added flexibility for operation of the reservoir during periods of time when system demand is high. Funds budgeted in FY 93-94 will provide a preliminary review of the impact of the proposed project on the stability of Dam 2. Major project funding is not included in the CIP because the need for the project is dependent upon decisions to be made after completion of the Regional Water Supply Study in 1995.

279

Funding Sources:	Current Year					TOTAL	
	FY 93-94	Year 1	Year 2	Year 3	Year 4	Year 5	PROJECT COST
Water Construction Fund	\$10,000	\$150,000	\$350,000	\$350,000	\$300,000	\$200,000	\$1,360,000
Other							
Total	\$10,000	\$150,000	\$350,000	\$350,000	\$300,000	\$200,000	\$1,360,000

PROJECT DETAIL

Project Title: *DAM 2 TOWER IMPROVEMENTS*
Project Ranking: *42 Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project includes the study, design, and construction of modifications to the existing intake tower at Bull Run Reservoir 2, to allow for selective withdrawal from various levels within the reservoir. The existing towers make use of a stop-log system to adjust the intake level; this system has proven to be very difficult to adjust and control. The proposed improvements will provide greater flexibility and control of reservoir operations, with related benefits in water quality, operator safety and system reliability.

280

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund									\$50,000	\$50,000	\$800,000
Other											
Total									\$50,000	\$50,000	\$800,000

PROJECT DETAIL

Project Title: *DAM 3*
Project Ranking: *Non-Budgeted Water Supply Plan Dependent*
Project Identification # :
Water System Need Adressed: *Respond to Growth*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Project is for the construction of a third dam in the Bull Run. The project includes the studies and permits necessary to construct the dam and the construction of the dam, outlet and impoundment. Project cost does not include a hydro plant, water treatment plant or Conduit 5. Primary benefit of the project is to increase the system capacity. Funding for the project is dependent upon decisions made after completions of the Regional Water Supply Study in 1995 and therefore the funding is not included in the CIP. Project funding is shown as 75% from other water systems due to much of the added capacity being to meet their needs.

Funding Sources:	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Total Project Cost
Water Construction Fund	\$250,000	\$250,000	\$1,250,000	\$5,000,000	\$12,500,000	\$12,500,000	\$5,750,000	\$37,500,000
Other	750,000	750,000	3,750,000	15,000,000	37,500,000	37,500,000	17,250,000	\$112,500,000
Total	\$1,000,000	\$1,000,000	\$5,000,000	\$20,000,000	\$50,000,000	\$50,000,000	\$23,000,000	\$150,000,000

281

PROJECT DETAIL

Project Title: *DAM 3 SITE STUDY*
Project Ranking: *Non-Budgeted – Water Supply Plan Dependent*
Project Identification # :
Water System Need Addressed: *Respond to Growth*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This study will investigate the site options and impoundment areas for Dam 3 sufficient to select a final dam and reservoir location. Investigations will be made for and locations recommended for borrow and spoils areas, access and construction roads, tunnels and other required facilities. An analysis of dam design options will be made with a recommendation made and conceptual design, cost estimate, and schedule prepared for the preferred dam design option. The project's purpose is to enhance the water supply capacity. Its need is dependent upon decisions made after completion of the Regional Water Supply Plan in 1995 and its funding is, therefore, not included in the CIP totals.

	Year 1	Year 2	Year 3	Total Project Cost
Funding Sources:				
Water Construction Fund	\$110,000	\$500,000	\$110,000	\$720,000
Other				
Total	\$110,000	\$500,000	\$110,000	\$720,000

282

PROJECT DETAIL

Project Title: DEMAND FORECASTING MODEL PROGRAM IMPLEMENTATION (0-1 YEAR) Objectives

Project Ranking: 19 Allocated Fund Group

Project Identification # :

Water System Need Addressed: Economic Viability

Maintenance/Repair

Replacement

Mandated

Expansion

Efficiency

X

This project will develop a short-term (daily, weekly, monthly, seasonal), automated water demand forecasting model for primary use by the Water Control Center in seasonal supply planning and systems operations. It will also involve developing linkages to spatial databases and the mid-range forecasting program to assist in network analysis and systems optimization. Staff training is anticipated and purchase of new or supplemental computer hardware to support the system. Primary benefit of the project is to improve the efficient operation and design of the water system.

283

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST	
Water Construction Fund					\$80,000	\$50,000					\$130,000	\$130,000
Other												
Total					\$80,000	\$50,000					\$130,000	\$130,000

Costs/Schedule:												
Planning												
Design/Project Management												
City					\$45,000	\$30,000					\$75,000	\$75,000
Contracted					\$25,000	\$10,000					\$35,000	\$35,000
Site Acquisition												
Construction												
City												
Contracted												
Major Equipment					\$10,000	\$10,000					\$20,000	\$20,000
Total Annual Costs					\$80,000	\$50,000					\$130,000	\$130,000

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

PROJECT DETAIL

Project Title: DEMAND FORECASTING MODEL/PROGRAM IMPLEMENTATION (1-20 YEARS)
Project Ranking: 31 Allocated Fund Group
Project Identification # :
Water System Need Adressed: Economic Viability

Maintenance/Repair	
Replacement	
Mandated	
Expansion	
Efficiency	X

This project will develop a short-to mid-term (1-20 years) automated water demand forecasting model for use in rate analysis, conservation planning and implementation, CIP and financial planning, systems design and supply planning. It will include development of data collection and management programs as inputs to the model. Contribution to development of the billing system and GIS, along with linkages to the Metro Regional Land Information System are anticipated as part of this project. Modeling components are anticipated to include requirements, end use, and spatial aggregation models. Econometric models may be developed as resources allow. Staff training is anticipated and purchase of computer hardware to support the program. Primary benefit of the project is to improve the efficient operations and design of the water system.

284

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund					\$60,000	\$160,000	\$200,000	\$150,000		\$570,000	\$570,000
Other											
Total					\$60,000	\$160,000	\$200,000	\$150,000		\$570,000	\$570,000

Costs/Schedule:

	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Planning											
Design/Project Management											
City					\$51,500	\$80,000					
Contracted					\$8,500	\$40,000					
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment						\$40,000					
Total Annual Costs					\$60,000	\$160,000					

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *DISTRIBUTION SYSTEM CHLORINE MONITORING*
 Project Ranking: *12 Non-Allocated Fund Group*
 Project Identification #:
 Water System Need Addressed: *Public Health*

Objectives:

<i>Maintenance/Repair</i>	
<i>Replacement</i>	
<i>Mandated</i>	
<i>Expansion</i>	
<i>Efficiency</i>	X

The state and federal Coliform Rule requires that all points within the water distribution system have at least a detectable level of chlorine. This project includes installation of continuous, automatic chlorine residual analyzers at several locations throughout the distribution system. Results from these analyzers will be monitored at the Bureau's Water Control Center to allow rapid detection of potential problems and better assure compliance with the new regulations. The primary benefit of the project is to protect the health of the public.

285

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Water Construction Fund					\$75,000	\$75,000				\$150,000	\$150,000
Other											
Total					\$75,000	\$75,000				\$150,000	\$150,000

Costs/Schedule:

Planning											
Design/Project Management											
City					\$17,000	\$15,000				\$32,000	\$32,000
Contracted											
Site Acquisition											
Construction											
City					\$23,000	\$25,000				\$48,000	\$48,000
Contracted					\$35,000	\$35,000				\$70,000	\$70,000
Major Equipment											
Total Annual Costs					\$75,000	\$75,000				\$150,000	\$150,000

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

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PROJECT DETAIL

Project Title: *DIVERSION DAM REPAIR*
Project Ranking: *49 Non-Allocated Fund Group*
Project Identification # :
Water System Need Adressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project includes maintenance to the existing diversion dam, which is the primary means of diverting water from the outlet of Bull Run Reservoir 2 into the conduits at the Headworks. This dam is approximately 80 years old. Current maintenance needs include extensive spalling of concrete on the dam spillway and replacement of drainage gates. Primary benefit of the project is to maintain the water system.

286

Funding Sources:	Prior Yrs	Budget	Actual	Current	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Water Construction Fund								\$50,000	\$100,000	\$150,000	\$300,000
Other											
Total								\$50,000	\$100,000	\$150,000	\$300,000

PROJECT DETAIL

Project Title: *DOWNTOWN IMPROVEMENTS*
Project Ranking: *21 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

The Downtown Improvements Project will upgrade the existing water system within the downtown core area. The water system in the downtown core is some of the oldest, most heavily used portion of the water system. Past projects in this area (light rail) have shown the piping in need of extensive repairs. This project will replace and adjust water mains, replace and adjust services, replace and adjust fire hydrants as well as install new hydrants. The primary benefit of the project is to maintain the system with a secondary benefit of improving fire protection in that area.

287

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Water Construction Fund					\$110,000	\$110,000	\$110,000	\$110,000	\$110,000	\$550,000	\$550,000
Other											
Total					\$110,000	\$110,000	\$110,000	\$110,000	\$110,000	\$550,000	\$550,000

Costs/Schedule:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Planning											
Design/Project Management											
City					\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$50,000	\$50,000
Contracted											
Site Acquisition											
Construction											
City											
Contracted					\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000	\$500,000
Major Equipment											
Total Annual Costs					\$110,000	\$110,000	\$110,000	\$110,000	\$110,000	\$550,000	\$550,000

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

PROJECT DETAIL

Project Title: *EAST BOUNDARY MAIN*
Project Ranking: *37 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Public & Employee Safety*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project will provide supply and distribution strength along the eastern boundary of the Portland system. The main will eliminate dead ends along the boundary to maintain an integrated grid system. The project consists of 9,000 feet of 16-inch main and 10,800 feet of 12-inch main. The timing of the project is scheduled to coordinate with east county annexation. The project will be designed in FY 95-96 with construction staged in FY 96-97 and FY 98-99. Primary benefit is to improve fire protection.

288

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund						\$200,000	\$430,000		\$800,000	\$1,430,000	\$1,430,000
Other											
Total						\$200,000	\$430,000		\$800,000	\$1,430,000	\$1,430,000

Costs/Schedule:												
Planning												
Design/Project Management												
City						\$20,000						
Contracted						\$80,000						
Site Acquisition												
Construction												
City												
Contracted						\$100,000						
Major Equipment												
Total Annual Costs						\$200,000						

Estimated Additional Operating/Maintenance Costs												
Estimated Additional Operating/Maintenance (Savings)												

PROJECT DETAIL

Project Title: *EAST COUNTY SUPPLY MAIN*
Project Ranking: *54 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Respond to Growth*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project includes a planning study to evaluate requirements, alternatives and costs for supplying water east of Powell Butte without providing service directly from the existing conduits. Further planning, design and construction of these improvements would proceed only if found feasible in the initial planning study. These improvements would decrease peaking demand on the conduits by serving east county customers from Powell Butte storage. The improvements may also become integral to alternative supply options and/or construction of a treatment plant by providing consistent water quality throughout the existing service area. The primary benefit of the project is to allow the existing water supply system to operate at a higher capacity.

289

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Water Construction Fund								\$50,000	\$350,000	\$400,000	\$7,800,000
Other											
Total								\$50,000	\$350,000	\$400,000	\$7,800,000

PROJECT DETAIL

Project Title: *EAST WELLFIELD COLLECTION SYSTEM UPSIZE*
Project Ranking: *Non-Budgeted – Water Supply Plan Dependent*
Project Identification # :
Water System Need Addressed: *Respond to Growth*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project provides for the upgrading of the east wellfield collection main to allow greater use of the well capacity in that area. A portion of the original collection piping system was installed prior to completion of the production wells and consequently is too small to take advantage of the unexpectedly large production from these well sources. It is anticipated that either a parallel main will be laid or the existing main relaid to a larger diameter. Primary benefit of the project is to increase the capacity of the water system and, as such, its need is dependent upon the findings of the Regional Water Supply Plan in 1995 and therefore, its funding is not included in this CIP.

	Year 1	Year 2	Year 3	Total Project Cost
Funding Sources:				
Water Construction Fund	\$25,000	\$85,000	\$1,045,000	\$1,155,000
Other				
Total	\$25,000	\$85,000	\$1,045,000	\$1,155,000

290

PROJECT DETAIL

Project Title: *EMERGENCY PUMPS*
Project Ranking: *27 Non-Allocated Fund Group*
Project Identification # : *3470*
Water System Need Addressed: *Public & Employee Safety*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

The Water Bureau operates and maintains 36 pump stations. For many of these pump stations, the backup during facility failure is provided by auxiliary pumping units which must be delivered to the pump station. Auxiliary pumping units consist of a pump and an internal combustion driver. However, the Bureau only owns one large and three small auxiliary pumping units. This project will determine the best backup strategy for each pump station. The selected backup strategies will then be designed and implemented over a two-year period. The primary benefit of the project is to protect public health during electrical power outages.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund					\$25,000	\$100,000	\$100,000			\$225,000	\$225,000
Other											
Total					\$25,000	\$100,000	\$100,000			\$225,000	\$225,000

Costs/Schedule:

Planning				\$5,000					\$5,000	\$5,000
Design/Project Management										
City				\$5,000	\$13,000	\$13,000			\$31,000	\$31,000
Contracted				\$15,000	\$5,000				\$20,000	\$20,000
Site Acquisition										
Construction										
City					\$7,000	\$7,000			\$14,000	\$14,000
Contracted					\$75,000	\$80,000			\$155,000	\$155,000
Major Equipment										
Total Annual Costs				\$25,000	\$100,000	\$100,000			\$225,000	\$225,000

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *EVALUATION OF BRIDGE PIPES*
Project Ranking: *16 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Public & Employee Safety*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project will review the current design standards for bridge pipe systems, while including investigation into pipe and hanger materials, types of hangers, safety, and history of failures. A criteria will be developed by which our existing bridge mains will be compared and recommendations on maintenance, modifications and replacement will be made as well as all future designs. Primary benefit of the project is to improve the safety and reliability of pipeline hung on bridges.

292

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Water Construction Fund					\$25,000	\$25,000				\$50,000	\$50,000
Other											
Total					\$25,000	\$25,000				\$50,000	\$50,000

Costs/Schedule:											
Planning					\$5,000					\$5,000	\$5,000
Design/Project Management											
City					\$10,000	\$15,000				\$25,000	\$25,000
Contracted					\$10,000	\$10,000				\$20,000	\$20,000
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs					\$25,000	\$25,000				\$50,000	\$50,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *EVALUATION OF TANK OVERFLOWS*
Project Ranking: *11 Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Public & Employee Safety*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

There are storage tanks throughout the distribution system with inadequately sized overflow systems or improper overflow destinations which can cause property damage. These situations violate State Health Division Standards and Discharge Permit Regulations leaving the Bureau open to Civil and Regulatory legal actions and suits. This project provides for the evaluation of overflow systems and destinations for all storage tanks in the distribution system, and also provides for the prioritized design of improvements for these overflow systems. The primary benefit of the project is to reduce the likelihood that the tank overflows will injure the property or lives of the public.

293

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Water Construction Fund					\$75,000	\$75,000				\$150,000	\$150,000
Other											
Total					\$75,000	\$75,000				\$150,000	\$150,000

Costs/Schedule:

Planning											
Design/Project Management											
City					\$22,000	\$21,000				\$43,000	\$43,000
Contracted					\$53,000	\$54,000				\$107,000	\$107,000
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs					\$75,000	\$75,000				\$150,000	\$150,000

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

PROJECT DETAIL

Project Title:
 Project Ranking:
 Project Identification # :
 Water System Need Adressed:

FINISH DOWNSTAIRS OF WATER CONTROL CENTER
 61 Non-Allocated Fund Group
 Economic Viability

Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

This project provides for completing the first floor of the new Water Control Center/Water Quality Lab Building for use by the Operating Engineers and others. Rental of existing leased space and personnel costs will be saved by moving the Operating Engineers out of currently leased space.

294

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST	
Water Construction Fund					\$625,000						\$625,000	\$625,000
Other												
Total					\$625,000						\$625,000	\$625,000

Costs/Schedule:

	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Planning											
Design/Project Management											
City					\$25,000					\$25,000	\$25,000
Contracted					\$77,000					\$77,000	\$77,000
Site Acquisition											
Construction											
City											
Contracted					\$523,000					\$523,000	\$523,000
Major Equipment											
Total Annual Costs					\$625,000					\$625,000	\$625,000

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

				\$100,000	\$100,000	\$100,000	\$100,000	\$400,000	on-going

PROJECT DETAIL

Project Title: *FOREST PARK RESERVOIR*
Project Ranking: *26 Non-Allocated Fund Group*
Project Identification # : *3419*
Water System Need Addressed: *Respond to Growth*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project provides for the planning, design and construction of two reservoirs to serve the Skyline Blvd Corridor and the NW Hills Area. The first reservoir is to serve high service areas and would consist of a 0.5 million gallon elevated storage structure near Skyline Memorial Gardens. The second reservoir would serve the lower service areas in conjunction with the Calvary Reservoirs. It would be a ground level tank located near the intersection of Skyline and Comell Road. Planning and design of this system is funded in FY 1993-94. Design and site acquisition are scheduled for FY 1994-95 with construction of the first tank to begin in FY 1995-96. Construction of the second tank is dependent upon development of the Skyline area and is now budgeted in future years.

295

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Water Construction Fund		\$103,000	\$3,000	\$75,000	\$175,000	\$975,000	\$500,000	\$500,000		\$2,150,000	\$2,228,000
Other											
Total		\$103,000	\$3,000	\$75,000	\$175,000	\$975,000	\$500,000	\$500,000		\$2,150,000	\$2,228,000

Costs/Schedule:

	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
Planning											
Design/Project Management											
City		\$23,000	\$3,000	\$15,000	\$30,000	\$38,000					
Contracted		\$80,000		\$50,000	\$45,000	\$60,000					
Site Acquisition				\$10,000	\$100,000						
Construction											
City						\$39,000					
Contracted						\$838,000					
Major Equipment											
Total Annual Costs		\$103,000	\$3,000	\$75,000	\$175,000	\$975,000					

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

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PROJECT DETAIL

Project Title: *FOUNTAIN MAINTENANCE*
Project Ranking: *26.5 Allocated Fund Group*
Project Identification # : *3491*
Water System Need Addressed: *Maintain System*

Objectives:	
<i>Maintenance/Repair</i>	X
<i>Replacement</i>	
<i>Mandated</i>	
<i>Expansion</i>	
<i>Efficiency</i>	

The Bureau of Water Works is responsible for the operation and maintenance of 25 of the City's decorative fountains. Many of these fountains are in need of major repairs or renovation. Several fountains do not recirculate water. This ongoing program of major repair and renovation of the City's various decorative fountains includes: repair of drain lines and valves; replacement of liners; repair and replacement of electrical equipment and lighting systems; repair and replacement of pumps; repair and replacement of wind controls and spray nozzles; various improvements to exterior surfaces; and installation of recirculating systems. Project also includes adding telemetry to the Water Control Center from major fountains. Planned for FY 94-95 is the restoration of the Ira Keller Fountain to its original specifications. This restoration would include replacement of wiring and lighting fixtures. Another emphasis of this program for FY 94-95 will be the conversion of one other fountain, which does not recirculate water, to a recirculating system. The primary benefit from this project is to improve the safety of the public using the fountains by improving their maintenance.

296

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund		\$150,000	\$32,500	\$120,000	\$250,000	\$130,000	\$100,000	\$100,000	\$100,000	\$680,000	
Other											
Total		\$150,000	\$32,500	\$120,000	\$250,000	\$130,000	\$100,000	\$100,000	\$100,000	\$680,000	on-going

Costs/Schedule:

Planning											
Design/Project Management											
City		\$35,000	\$18,420	\$20,000	\$5,500	\$6,000	\$10,000	\$10,000	\$10,000	\$41,500	
Contracted		\$15,000	\$14,080	\$100,000	\$43,000	\$8,500	\$10,000	\$10,000	\$10,000	\$81,500	
Site Acquisition											
Construction											
City					\$6,500	\$5,500	\$5,000	\$5,000	\$5,000	\$27,000	
Contracted		\$100,000			\$195,000	\$110,000	\$75,000	\$75,000	\$75,000	\$530,000	
Major Equipment											
Total Annual Costs		\$150,000	\$32,500	\$120,000	\$250,000	\$130,000	\$100,000	\$100,000	\$100,000	\$680,000	on-going

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

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PROJECT DETAIL

Project Title: *FOUNTAIN STANDARDS*
Project Ranking: *3 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Public & Employee Safety*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project will establish design standards for water consumption and mechanical systems for all new city owned/Water Bureau operated decorative fountains. These standards will help assure water efficient designs and standardization of mechanical systems thereby minimizing long term operation and maintenance costs. The primary benefits of the project are to protect the public safety while using fountains and to reduce long term maintenance costs of new fountains.

297

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund					\$15,000					\$15,000	\$15,000
Other											
Total					\$15,000					\$15,000	\$15,000

Costs/Schedule:											
Planning											
Design/Project Management											
City					\$5,000					\$5,000	\$5,000
Contracted					\$10,000					\$10,000	\$10,000
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs					\$15,000					\$15,000	\$15,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *FREEMAN TANK REMOVAL*
Project Ranking: *45 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Economic Viability*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project provides for the demolition of Freeman Tank. The tank was constructed by a water district and later obtained by annexation. It is relatively old and poorly constructed. The tank has leaked excessively for years resulting in further damage to the tank in addition to normal deterioration from age. It is not needed to supply the area and its value to the system is less than the cost to continue to maintain the tank.

298

Funding Sources:	Budget		Actual		Current Year					5 YEAR	TOTAL
	Prior Yrs	FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund							\$55,000			\$55,000	\$55,000
Other											
Total							\$55,000			\$55,000	\$55,000

PROJECT DETAIL

Project Title: *FULTON CAROLINA SUPPLY PIPELINE*
Project Ranking: *63 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project includes the analysis, planning, design and construction of improvements (reconstruction and/or replacement) to the existing pipeline extending from the Sellwood Willamette River Crossing to the Fulton and Carolina Pump Stations. Analysis of the existing line and design of necessary improvements is scheduled for FY 98-99. Improvements would be constructed in FY 99-00. This pipeline is the primary supply to the Fulton and Carolina pump stations which serve a large portion of southwest Portland. Past projects along the pipeline route have found portions of the existing pipeline to be in poor condition. The primary benefit of the project is to improve maintenance of the water system.

299

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Water Construction Fund									\$160,000	\$160,000	\$1,030,000
Other											
Total									\$160,000	\$160,000	\$1,030,000

PROJECT DETAIL

Project Title: *GARDEN HOME ROAD MAIN*
Project Ranking: *4 Non-Allocated Fund Group*
Project Identification # : *3487*
Water System Need Addressed: *Public & Employee Safety*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project consists of constructing 2,600 feet of 12-inch ductile iron water main in SW Garden Home Road between 52nd and 62nd Avenues. This new main will replace a 6-inch asbestos cement main acquired by annexation. The existing main has inadequate capacity and maintenance problems associated with the pipe material. The primary benefit of the pipeline replacement is to improve fire protection in the area served by the existing main.

300

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST	
Water Construction Fund		\$141,000	\$3,600	\$15,000	\$150,000						\$150,000	\$168,600
Other												
Total		\$141,000	\$3,600	\$15,000	\$150,000						\$150,000	\$168,600

Costs/Schedule:												
Planning												
Design/Project Management												
City		\$8,000	\$3,600	\$15,000	\$15,000						\$15,000	\$33,600
Contracted		\$3,000										
Site Acquisition												
Construction												
City		\$27,100			\$25,000						\$25,000	\$25,000
Contracted		\$102,900			\$110,000						\$110,000	\$110,000
Major Equipment												
Total Annual Costs		\$141,000	\$3,600	\$15,000	\$150,000						\$150,000	\$168,600

Estimated Additional Operating/Maintenance Costs											
Estimated Additional Operating/Maintenance (Savings)											

PROJECT DETAIL

Project Title: *GENERAL BUILDING MAINTENANCE*
Project Ranking: *39.5 Allocated Fund Group*
Project Identification # : *2912*
Water System Need Addressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project provides for the maintenance of underground vaults, buildings, and grounds owned by the Water Bureau. A program for repair and maintenance of these facilities is essential to maintain their functionality. Structural maintenance of buildings and grounds under this project includes painting, roofing, repair of vandalism, paving, remodeling, and other related tasks. Maintenance associated with underground vaults is primarily centered around replacement of vaults that are in need of improvements to enhance worker safety. Work slated for completion in FY 94-95 includes building modifications to achieve compliance with the Americans with Disabilities Act (ADA), roofing repairs to several buildings, and removal of the most severe seismic hazards to employees at the Interstate Ave. Maintenance facility. These activities help assure compliance with applicable regulations and include cost-effective repairs to correct or prevent damage to existing facilities.

301

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund		\$130,000	\$77,287	\$150,000	\$165,000	\$150,000	\$150,000	\$150,000	\$150,000	\$765,000	\$992,287
Other											
Total		\$130,000	\$77,287	\$150,000	\$165,000	\$150,000	\$150,000	\$150,000	\$150,000	\$765,000	\$992,287

Costs/Schedule:

Planning											
Design/Project Management											
City		\$30,000	\$10,941	\$48,000	\$22,000	\$18,000	\$18,000	\$18,000	\$18,000	\$94,000	\$152,941
Contracted			\$12,029	\$28,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$75,000	\$115,029
Site Acquisition											
Construction											
City		\$100,000	\$21,865		\$36,000	\$25,000	\$25,000	\$25,000	\$25,000	\$136,000	\$157,865
Contracted			\$32,452	\$74,000	\$92,000	\$92,000	\$92,000	\$92,000	\$92,000	\$460,000	\$566,452
Major Equipment											
Total Annual Costs		\$130,000	\$77,287	\$150,000	\$165,000	\$150,000	\$150,000	\$150,000	\$150,000	\$765,000	\$992,287

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

PROJECT DETAIL

Project Title: *GILBERT-CLATSOP SUPPLY MAIN*
Project Ranking: *64 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Respond to Growth*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project will improve water supply to the Gilbert area and provide a second supply to the SE 162nd Avenue Pump Station which supplies the Clatsop Butte area. The project will allow the distribution system in this area to be supplied from the Powell Butte Reservoirs, stabilizing distribution pressures. Timing of the project is contingent on annexation of the Gilbert Water District. This project consists of the installation of 4,200 feet of 24-inch main in SE 136th Avenue from SE Holgate Boulevard to SE Foster Road, 3,200 feet of 16-inch main in SE Foster Road from SE 136th Avenue to SE Barbara Welch Road, and 1,500 feet of 12-inch main in SE Raymond Street from SE 136th Avenue to the Gilbert Reservoir, including control valving at the reservoir site. Primary benefit of the project is to increase the water system capacity for the area served. Secondary benefits include replacement of old mains and increased fire protection.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund										\$0	\$1,150,000
Other											
Total										\$0	\$1,150,000

302

PROJECT DETAIL

Project Title: GREENLEAF PUMP STATION REPLACEMENT
Project Ranking: 41 Non-Allocated Fund Group
Project Identification # :
Water System Need Adressed: Public & Employee Safety

Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

This project consists of replacement of the Greenleaf Pump Station which supplies water to the Penridge standpipe. The pump replacement will allow an increase in the distribution pressure and meet current and future water demands and fire protection requirements of the Penridge distribution system. The primary benefit of the project is to improve public safety in the area served by significantly increasing available fire flows. Secondary benefits include maintenance of the water system and increased system capacity.

303

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund-						\$65,000	\$135,000			\$200,000	\$200,000
Other											
Total						\$65,000	\$135,000			\$200,000	\$200,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Planning											
Design/Project Management											
City						\$10,000					
Contracted						\$55,000					
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs						\$65,000					

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *GREENLEAF RESERVOIR NO. 3*
Project Ranking: *67 Non-Allocated Fund Group*
Project Identification # :
Water System Need Adressed: *Respond to Growth*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project will provide for the design and construction of a 2 million gallon reservoir at the Greenleaf Reservoir site. This new reservoir is needed to provide adequate storage for water supply and fire protection to meet future water demands of the Northwest Hills Area, the Skyline Blvd. Corridor, and Forest Park Estates. Primary benefit of the project is system capacity.

304

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund										\$0	\$1,330,000
Other											
Total										\$0	\$1,330,000

PROJECT DETAIL

Project Title: *GROUNDWATER DISINFECTION IMPROVEMENTS*
Project Ranking: *15 Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Public & Employee Safety*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project consists of modifications to the existing groundwater disinfection system. The existing disinfection system at the Groundwater Pump Station uses gaseous chlorine and gaseous ammonia. The existing facility does not meet new fire code requirements for containment and scrubbing of these hazardous materials. This project includes a pre-design study in FY 94-95 to evaluate alternatives for improvements, final design of recommended modifications in FY 95-96, and construction in FY 96-97. This work will be coordinated with the Groundwater Treatment Study to ensure resulting improvements also address the requirements of applicable drinking water regulations. This project will not address treatment issues associated with groundwater contamination. Primary benefit of the project is to enhance the safety of the public and our employees.

305

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund					\$50,000	\$250,000	\$500,000			\$800,000	\$800,000
Other											
Total					\$50,000	\$250,000	\$500,000			\$800,000	\$800,000

Costs/Schedule:

Planning											
Design/Project Management											
City				\$10,000	\$75,000						
Contracted				\$40,000	\$175,000						
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs				\$50,000	\$250,000						

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

PROJECT DETAIL

Project Title: *GROUNDWATER TREATMENT STUDY*
Project Ranking: *13 Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Public Health*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project consists of a study to evaluate the needs and alternatives for treatment improvements for the groundwater supply system. Anticipated potential needs include treatment for radon, iron/manganese removal, and disinfection improvements to meet the Surface Water Treatment Rule. Design and construction of improvements is not budgeted at this time and would be implemented over time, as needed, to meet applicable regulatory compliance schedules. This project will not address treatment issues associated with groundwater contamination. The primary benefit of this project is to improve our water quality and, thereby, help assure the health of the public.

306

Funding Sources:	Budget		Actual		Current Year		5 YEAR					TOTAL
	Prior Yrs	FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST	
Water Construction Fund					\$200,000	\$100,000				\$300,000	\$300,000	
Other												
Total					\$200,000	\$100,000				\$300,000	\$300,000	

Costs/Schedule:	Prior Yrs	FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Planning											
Design/Project Management											
City					\$50,000	\$25,000				\$75,000	\$75,000
Contracted					\$150,000	\$75,000				\$225,000	\$225,000
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs					\$200,000	\$100,000				\$300,000	\$300,000

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *HAYDEN ISLAND CROSSING*
Project Ranking: *10 Allocated Fund Group*
Project Identification # : *3031*
Water System Need Addressed: *Public & Employee Safety*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project provides for construction of a new 12-inch diameter underwater main crossing the slough to supply the east end (Tomahawk Island) of Hayden Island. The main will provide a second supply source to the Island thereby improving reliability; will provide a fire flow capacity to the commercial and residential areas of Tomahawk Island; and eliminate the use of the existing backup wells for fire protection which pump water of poor quality into the public drinking water system. The project benefits both the health and safety of the customers served by improving the reliability and quality of the water supply.

307

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water construction Fund				\$50,000	\$315,000					\$315,000	\$365,000
Other											
Total				\$50,000	\$315,000					\$315,000	\$365,000

Costs/Schedule:

Planning											
Design/Project Management											
City				\$30,000	\$19,000					\$19,000	\$49,000
Contracted				\$20,000	\$5,000					\$5,000	\$25,000
Site Acquisition											
Construction											
City					\$26,000					\$26,000	\$26,000
Contracted					\$265,000					\$265,000	\$265,000
Major Equipment											
Total Annual Costs				\$50,000	\$315,000					\$315,000	\$365,000

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

PROJECT DETAIL

Project Title: *HAZARDOUS SPOILS DISPOSAL STUDY*
Project Ranking: *1.5 Allocated Fund Group*
Project Identification # : *3028*
Water System Need Addressed: *Public Health*

Objectives:
Maintenance/Repair
Replacement
Mandated **X**
Expansion
Efficiency

This project provides for testing and disposal of contaminated material encountered in Water Bureau construction. The material must be properly handled in accordance with state and federal regulations. Various approaches will be tried during the course of the study to determine the most appropriate methods to use to handle the material and to capture the costs for that work. However, the primary benefit of the program is to perform the required disposal of hazardous materials during the four year run of the project and thereby protect the public health.

308

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund				\$10,000	\$10,000	\$10,000	\$10,000			\$30,000	\$40,000
Other											
Total				\$10,000	\$10,000	\$10,000	\$10,000			\$30,000	\$40,000

Costs/Schedule:

Planning											
Design/Project Management											
City				\$5,000	\$5,000	\$5,000	\$5,000			\$15,000	\$20,000
Contracted											
Site Acquisition											
Construction											
City											
Contracted				\$5,000	\$5,000	\$5,000	\$5,000			\$15,000	\$20,000
Major Equipment											
Total Annual Costs				\$10,000	\$10,000	\$10,000	\$10,000			\$30,000	\$40,000

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

PROJECT DETAIL

Project Title: HEADWORKS MAINTENANCE
Project Ranking: 23 Allocated Fund Group
Project Identification # :
Water System Need Addressed: Maintain System

Objectives:	
Maintenance/Repair	X
Replacement	
Mandated	
Expansion	
Efficiency	

This is an ongoing project that will address major capital maintenance at the headworks intake and disinfection facilities. Originally constructed in the 1890's, 1921, 1954 and 1962, ongoing periodic work is required to maintain these key facilities in good operating condition.

309

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund					\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000	\$250,000
Other											
Total					\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000	\$250,000

Costs/Schedule:

Planning											
Design/Project Management											
City					\$15,000	\$14,000	\$10,000	\$10,000	\$10,000	\$59,000	\$59,000
Contracted					\$5,000	\$1,000	\$2,000	\$2,000	\$2,000	\$12,000	\$12,000
Site Acquisition											
Construction											
City					\$12,000	\$11,000	\$10,000	\$10,000	\$10,000	\$53,000	\$53,000
Contracted					\$18,000	\$24,000	\$28,000	\$28,000	\$28,000	\$126,000	\$126,000
Major Equipment											
Total Annual Costs					\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000	\$250,000

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

PROJECT DETAIL

Project Title: HEADWORKS SCREENHOUSE #2 & INTAKE
Project Ranking: 35.5 Allocated Fund Group
Project Identification # :
Water System Need Adressed: Maintain System

Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

The existing Screenhouse #2 and intake structures are about 75 years old and in need of major repairs and renovation, including intakes, control valves, screens and canal. These facilities serve as both primary and back-up inlets as well as a back-up screening system for the conduits at the Bull Run Headworks. Current maintenance needs include replacing valves and/or operators for existing inlet gates; repairing leaks in, or replacement of, the canal; and renovation of screens. The first 2 years of the project are scheduled for evaluation of the facilities and the design of needed repairs. Construction will begin in the third year and continue through year 5 of this project.

310

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund					\$50,000	\$100,000	\$100,000	\$500,000	\$460,000	\$1,210,000	\$1,210,000
Other											
Total					\$50,000	\$100,000	\$100,000	\$500,000	\$460,000	\$1,210,000	\$1,210,000

Costs/Schedule:											
Planning					\$5,000					\$5,000	\$5,000
Design/Project Management											
City					\$5,000	\$11,000	\$20,000	\$20,000	\$20,000	\$76,000	\$76,000
Contracted					\$40,000	\$89,000	\$20,000	\$20,000	\$20,000	\$189,000	\$189,000
Site Acquisition											
Construction											
City											
Contracted							\$60,000	\$460,000	\$420,000	\$940,000	\$940,000
Major Equipment											
Total Annual Costs					\$50,000	\$100,000	\$100,000	\$500,000	\$460,000	\$1,210,000	\$1,210,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *HYDRAULIC AND STRUCTURAL ANALYSIS OF CONDUITS*
Project Ranking: *B Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Respond to Growth*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project will provide a hydraulic and structural analysis of the three water supply conduits that carry water from the Bull Run River to the City of Portland. The purpose of the study is to determine the potential use of the conduits with future projects like a treatment plant and/or other supply capacity enhancements. The primary benefit of the project is to enhance the system capacity.

311

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST	
Water Construction Fund					\$35,000						\$35,000	\$35,000
Other												
Total					\$35,000					\$35,000	\$35,000	

Costs/Schedule:

Planning					\$35,000						\$35,000	\$35,000
Design/Project Management												
City												
Contracted												
Site Acquisition												
Construction												
City												
Contracted												
Major Equipment												
Total Annual Costs					\$35,000					\$35,000	\$35,000	

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

PROJECT DETAIL

Project Title: *INFRASTRUCTURE MASTER PLAN*
Project Ranking: *4 Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Economic Viability*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project will develop Master Plans for each of the water service districts or areas within the City. The master plans will identify improvements necessary to support the planned growth and development of the service areas as well as existing deficiencies in supply, storage and distribution systems. The master plans will be utilized to support the Capital Improvement Program, the Public Facility Plan and the Bureau's long range planning effort. The primary benefit of the project is to improve the efficient use of the Bureau's available construction funds.

312

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Water Construction Fund					\$50,000	\$50,000				\$100,000	\$100,000
Other											
Total					\$50,000	\$50,000				\$100,000	\$100,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Planning					\$35,000	\$35,000				\$70,000	\$70,000
Design/Project Management											
City					\$5,000	\$5,000				\$10,000	\$10,000
Contracted					\$10,000	\$10,000				\$20,000	\$20,000
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs					\$50,000	\$50,000				\$100,000	\$100,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *INTERSTATE SITE PLAN IMPLEMENTATION*
Project Ranking: *46 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Respond to Growth*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project will fund a study to generate a plan to increase the efficiency and utility of the Bureau's current Interstate properties and provides funds to implement the plan by the purchase of easements and, when available, real property.

313

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Water Construction Fund						\$400,000				\$400,000	\$400,000
Other											
Total						\$400,000				\$400,000	\$400,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Planning											
Design/Project Management											
City						\$14,000				\$14,000	\$14,000
Contracted						\$50,000				\$50,000	\$50,000
Site Acquisition						\$336,000				\$336,000	\$336,000
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs						\$400,000				\$400,000	\$400,000

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *KELLY BUTTE AREA SUPPLY*
Project Ranking: *58 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Respond to Growth*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

The Kelly Butte Area, recently annexed from Powell Valley Road Water District, includes developable land at elevations too high to be served by Portland's local East Side High pressure zone. There is currently no water supply to high elevations in this area. The first year of this project provides for completing a master plan of supply and distribution facilities required to serve the Kelly Butte area. The second year provides for construction of identified supply facilities. The primary purpose of the project is to expand the service area of the water system and to provide for economic development of the area served.

314

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Water Construction Fund									\$50,000	\$50,000	\$250,000
Other											
Total									\$50,000	\$50,000	\$250,000

PROJECT DETAIL

Project Title: *LARGE VALVE PROGRAM*
Project Ranking: *18 Non-Allocated Fund Group*
Project Identification # : *3481*
Water System Need Addressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This ongoing project will systematically replace or repair old, large pipeline valves within the supply and distribution mains. The water system contains numerous large valves for 24" pipelines and larger that are over 50 to 100 years old that have deteriorated and/or are designed such that the valves will not function properly. In order to be able to rely on the valves to function, especially to shut water off during main breaks, these valves need to be replaced or repaired.

315

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund					\$55,000	\$55,000	\$55,000	\$55,000	\$55,000	\$275,000	\$275,000
Other											
Total					\$55,000	\$55,000	\$55,000	\$55,000	\$55,000	\$275,000	\$275,000

Costs/Schedule:												
Planning												
Design/Project Management												
City					\$5,000	\$5,000						
Contracted												
Site Acquisition												
Construction												
City					\$50,000	\$50,000						
Contracted												
Major Equipment												
Total Annual Costs					\$55,000	\$55,000						

Estimated Additional Operating/Maintenance Costs											
Estimated Additional Operating/Maintenance (Savings)											

PROJECT DETAIL

Project Title: *LITTLE SANDY RIVER OFF-SITE STORAGE & HYDRO*
Project Ranking: *Non-Budgeted - Water Supply Plan Dependent*
Project Identification # :
Water System Need Addressed: *Respond to Growth*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Project will allow diversion of water from the Bull Run River to be stored in the Little Sandy River Canyon. The stored water is then diverted to the Bureau's current Bull Run Headworks. Project includes a tunnel from the Bull Run at a location up river from Dam 1, a 400' high dam in the Little Sandy River Canyon, and a tunnel to the headworks. The cost estimate does not include Dam 3 on the Bull Run River. Total project cost is estimated to be \$300,000,000, including hydro power facilities. The primary purpose of the project is to increase the system's capacity and, as such, its need is dependent upon the findings of the Regional Water Supply Study to be completed in 1995. If built, it is anticipated the Water Bureau will pay only 10% of its cost with the remainder being contributed by other water providers and power sales revenue.

316

Funding Sources:	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	TOTAL PROJECT COST
Water Construction Fund	\$30,000	\$170,000	\$200,000	\$200,000	\$1,000,000	\$5,000,000	\$10,000,000	\$10,000,000	\$3,400,000	\$30,000,000
Other	270,000	1,530,000	1,800,000	1,800,000	9,000,000	45,000,000	90,000,000	90,000,000	30,600,000	\$270,000,000
Total	\$300,000	\$1,700,000	\$2,000,000	\$2,000,000	\$10,000,000	\$50,000,000	\$100,000,000	\$100,000,000	\$34,000,000	\$300,000,000

PROJECT DETAIL

Project Title: *LITTLE SANDY RIVER SUPPLY*
Project Ranking: *Non-Budgeted – Water Supply Plan Dependent*
Project Identification # :
Water System Need Addressed: *Respond to Growth*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Project allows diversion of Little Sandy River water to the current headworks. Project includes a diversion works on the Little Sandy River and a tunnel to the current headworks. Total project cost is estimated to be \$27,500,000. Project cost does not include funds necessary to compensate PGE for use of water that is included in any valid water right they hold on the Little Sandy River. Project is not budgeted in the CIP because its need for furnishing added capacity is dependent upon findings in 1995 from the Regional Water Supply Plan. For estimating purposes, it is assumed that 45% of the project costs will be furnished by other water providers.

Funding Sources:	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Total Project Cost
Water Construction Fund	\$50,000	\$75,000	\$250,000	\$500,000	\$2,500,000	\$2,500,000	\$1,000,000	\$6,875,000
Other	150,000	225,000	750,000	1,500,000	7,500,000	7,500,000	3,000,000	\$20,625,000
Total	\$200,000	\$300,000	\$1,000,000	\$2,000,000	\$10,000,000	\$10,000,000	\$4,000,000	\$27,500,000

317

PROJECT DETAIL

Project Title: *LOG BOOM REPLACEMENT*
Project Ranking: *8.5 Allocated Fund Group*
Project Identification # : *3473*
Water System Need Adressed: *Public & Employee Safety*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

The log booms at the 2 Bull Run Reservoirs are deteriorating and new booms need to be constructed to prevent material from damaging the dam intakes. The project provides for the down stream booms at both Dam 1 and Dam 2 to be replaced, one each year of the project. The log booms are necessary for the safe operations of the dams, making public and employee safety the primary benefit of this project, with dam maintenance a significant secondary benefit.

318

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund		\$100,000	\$300	\$100,000	\$100,000					\$100,000	\$200,300
Other											
Total		\$100,000	\$300	\$100,000	\$100,000					\$100,000	\$200,300

Costs/Schedule:										
Planning										
Design/Project Management										
City		\$14,800	\$300	\$12,000	\$6,000				\$6,000	\$18,300
Contracted										
Site Acquisition										
Construction										
City					\$7,000				\$7,000	\$7,000
Contracted		\$85,200		\$88,000	\$87,000				\$87,000	\$175,000
Major Equipment										
Total Annual Costs		\$100,000	\$300	\$100,000	\$100,000				\$100,000	\$200,300

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *LUSTED METERS & BYPASS*
Project Ranking: *5 Allocated Fund Group*
Project Identification # : *3006*
Water System Need Addressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

.
X

This project includes new, high accuracy flow meters for the three water supply conduits, to be installed near the Lusted Hill Ammonia Facility, and a bypass between conduits 2 and 4, to be installed near Roselyn Lake. The conduit bypass will be constructed in FY 93-94. The flow meter installation will be designed in FY 93-94 and constructed in FY 94-95. These improvements will result in more accurate measurement of flows on the conduits, improved accuracy and reliability of chemical feeds at Lusted Hill, and allow for greater operational flexibility in maintaining optimum water quality while operating the Roselyn Lake diversion.

319

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund				\$110,000	\$110,000					\$110,000	\$220,000
Other											
Total				\$110,000	\$110,000					\$110,000	\$220,000

Costs/Schedule:

Planning										
Design/Project Management										
City			\$12,000	\$20,000					\$20,000	\$32,000
Contracted										
Site Acquisition										
Construction										
City			\$31,000							\$31,000
Contracted			\$67,000	\$90,000					\$90,000	\$157,000
Major Equipment										
Total Annual Costs			\$110,000	\$110,000					\$110,000	\$220,000

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

PROJECT DETAIL

Project Title: ***MAINS PROGRAM***
Project Ranking: ***21 Allocated Funds Group***
Project Identification # : ***6700***
Water System Need Addressed: ***Maintain System***

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This program is the on-going project that maintains and renews the water distribution piping system. It provides for construction of approximately 62,000 feet of new main each year. This project includes customer requested mains and new mains installed in subdivisions by developers which is largely reimbursable, replacing old leaking mains, upsizing mains to ensure adequate flow for fire and supply, new mains for looping and redundancy to ensure quality and reliable supply. Replacement of pipes on bridge crossings is also included. The following sub-programs comprise the mains program. (1) The Mains Program installs approximately 33,000 feet of new main each year which upsize and replace old leaking mains to ensure reliable supply. Installation of mains for looping, water quality and backup or standby supply is also included in this program. (2) The Fire Main Program installs approximately 13,000 feet of new main each year which replace old undersized mains to ensure adequate flow for fire and other uses. Hydrants are installed in conjunction with both main subprograms. (3) The Petition Main Program installs approximately 16,000 feet of new main each year which includes customer requested work, which is largely reimbursable, and upsizing and replacing old main which supplies the new petitioner requested mains. (4) The Hydrant Program installs 30 new hydrants for fire protection each year. (5) The Bridge Pipe Repair Program replaces existing pipes on bridges which are in need of repair or replacement.

320

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund		\$2,629,000	\$2,707,481	\$2,705,000	\$3,900,000	\$3,900,000	\$3,900,000	\$3,600,000	\$3,600,000	\$18,900,000	
Other		680,000	234,043	680,000	700,000	700,000	700,000	700,000	700,000	\$3,500,000	
Total	N/A	\$3,309,000	\$2,941,524	\$3,385,000	\$4,560,000	\$4,560,000	\$4,560,000	\$4,260,000	\$4,260,000	\$22,200,000	On-going

Costs/Schedule:

Planning											
Design/Project Management											
City		\$485,000	\$427,845	\$500,000	\$485,000	\$485,000					
Contracted		\$30,000			\$115,000	\$115,000					
Site Acquisition											
Construction											
City		\$923,900	\$1,688,715	\$1,635,000	\$1,797,000	\$1,894,000					
Contracted		\$1,870,100	\$824,964	\$1,250,000	\$2,163,000	\$2,066,000					
Major Equipment											
Total Annual Costs		\$3,309,000	\$2,941,524	\$3,385,000	\$4,560,000	\$4,560,000					

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

PROJECT DETAIL

Project Title:
 Project Ranking:
 Project Identification # :
 Water System Need Addressed:

MANAGEMENT OF DBPs IN DISTRIBUTION SYSTEM
 7 Non-Allocated Fund Group
 Public Health

Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

This study will identify and evaluate alternatives for reducing disinfection by-products (DBPs) in the distribution system while not compromising the adequacy of the disinfection process. When chlorine is added to disinfect water a wide variety of compounds known as DBPs are formed. New regulations will be established within the next four years to further limit levels of DBPs in water systems. This study will look at potential modifications to existing operations to assure our DBP levels are as low as possible while still meeting all other applicable water quality regulations.

321

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Water Construction Fund					\$30,000	\$30,000				\$60,000	\$60,000
Other											
Total					\$30,000	\$30,000				\$60,000	\$60,000

Costs/Schedule:

Planning											
Design/Project Management											
City					\$22,500	\$22,500				\$45,000	\$45,000
Contracted					\$7,500	\$7,500				\$15,000	\$15,000
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs					\$30,000	\$30,000				\$60,000	\$60,000

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

PROJECT DETAIL

Project Title: *MARQUAM HILL PUMP MAIN REALIGNMENT*
Project Ranking: *55 Non-Allocated Fund Group*
Project Identification # :
Water System Need Adressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

The pump main that supplies the Marquam Tank runs through the hospital complex on Marquam Hill. The condition of themain is deteriorating and we are unable to maintain the pipeline for some of its length. This project will conduct a study and design in its first year to determine how best to repair and/or realign portions of the pipeline. The second year of the project includes construction funds to implement the necessary repairs. This project provides for improving the reliability of the Marquam Hill Pump Main. The project will determine the best method or combination of methods, current thought to be either relining or relocating portions of the pump main to insure its continued reliable operation into the future.

Funding Sources:	Budget		Current Year					5 YEAR		TOTAL	
	Prior Yrs	FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund								\$30,000	\$150,000	\$180,000	\$180,000
Other											
Total								\$30,000	\$150,000	\$180,000	\$180,000

322

PROJECT DETAIL

Project Title: *MASTER PLAN DODGE PARK*
Project Ranking: *13 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Environment & Conservation*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

The Water Bureau owns land at the confluence of the Bull Run and Sandy Rivers where the Bull Run Conduits cross the Sandy River. This project will develop a master plan for the use of that property which contains Dodge Park. Interagency consultation on a management strategy for Dodge Park is anticipated during FY 93-94 as follow-up to the U.S. Bureau of Land Management (BLM) Sandy Wild and Scenic River Management Plan. Recreational access, public information and visual resources will be considered as part of this strategy. BLM's recommendation for water conservation information displays at each of three parks (Dodge, Oxbow and Dabney) will also be considered, as will be the Water Bureau's long-term potential uses for City-owned land in and around Dodge Park. The Subsequent master plan will incorporate the recommendations of the interagency management strategy into plans for Water Bureau improvements at Dodge Park, such as installation of a public information kiosk and of some park facilities. The master plan will also address law enforcement needs at the site, trespass/hazard warning signs, facility maintenance and upgrades, alternative park management arrangements, and visitor management. Implications of the Wild and Scenic River designation for maintenance of the existing conduit river crossings and construction of a Conduit 5 crossing will also be addressed in the plan. Construction of selected physical improvements would occur after the master plan is complete, although some short-term improvements may be installed during preparation of the plan.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund					\$5,000	\$20,000	\$25,000			\$50,000	\$50,000
Other											
Total					\$5,000	\$20,000	\$25,000			\$50,000	\$50,000

Costs/Schedule:

Planning					\$5,000	\$7,000					
Design/Project Management											
City											
Contracted						\$13,000					
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs					\$5,000	\$20,000					

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

323

PROJECT DETAIL

Project Title: *MASTER PLAN IN-CITY PROPERTY/CONDUIT ROUTES*
Project Ranking: *5 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project will establish a master plan for managing Bureau property within the City, including tank, pump and reservoir sites and properties outside the City that serve existing and planned conduits. The effort will serve the multiple goals of protecting system assets, enhancing the community liveability and enhancing efficient operations.

324

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Water Construction Fund					\$75,000	\$75,000				\$150,000	\$150,000
Other											
Total					\$75,000	\$75,000				\$150,000	\$150,000

Costs/Schedule:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Planning					\$31,500	\$31,500				\$63,000	\$63,000
Design/Project Management											
City											
Contracted					\$43,500	\$43,500				\$87,000	\$87,000
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs					\$75,000	\$75,000				\$150,000	\$150,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *MONITORING WELL INSTALLATION*
Project Ranking: *Mandatory*
Project Identification # :
Water System Need Addressed: *Public Health*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project provides funds for the construction of two monitoring wells that may be necessary to implement a regional ground water monitoring plan (to be prepared under a base budget request in FY 94-95).

325

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Water Construction Fund							\$75,000	\$75,000		\$150,000	\$150,000
Other											
Total							\$75,000	\$75,000		\$150,000	\$150,000

PROJECT DETAIL

Project Title: *MT TABOR PART 12*
Project Ranking: *Mandatory*
Project Identification # :
Water System Need Addressed: *Public & Employee Safety*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

The Water Bureau operates an electrical power generator at Reservoir 6 on Mt. Tabor. The power unit is operated by water flowing into Reservoir 6. The unit requires a license from the U.S. Federal Regulatory Commission (FERC). That license agreement contains a "Part 12" that requires the Bureau to review the safety of the structure at least every 5 years. This project will perform such a study and specifically review its seismic stability.

326

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund				\$15,000	\$100,000					\$100,000	\$115,000
Other											
Total				\$15,000	\$100,000					\$100,000	\$115,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Planning											
Design/Project Management											
City				\$15,000	\$14,000					\$14,000	\$29,000
Contracted					\$86,000					\$86,000	\$86,000
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs				\$15,000	\$100,000					\$100,000	\$115,000

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *NORTHEAST SUPPLY MAIN*
Project Ranking: *68 Non-Allocated Fund Group*
Project Identification # :
Water System Need Adressed: *Respond to Growth*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

The Northeast Supply Main, in addition to the existing river crossing near the St. Johns Bridge and the St. Helens Road Main, extends into the northwest industrial area reinforcing areas that were formerly supplied solely from the Washington Park Reservoirs. The first two phases of the Northeast Supply Main are constructed and are in service. The two remaining portions, Phases III and IV, begin at NE 72nd Avenue and Tillamook Street and extend to the Vernon Tanks. With the first two phases, this project will provide for new supply to the Rivergate area. This main will assist in reducing dependency on river crossings installed at the turn of the century which are very difficult to maintain or repair.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Water Construction Fund										\$0	\$7,465,000
Other											
Total										\$0	\$7,465,000

327

PROJECT DETAIL

Project Title: ODOT ADJUSTMENTS
Project Ranking: Mandatory
Project Identification # : 5400
Water System Need Addressed: Maintain System

Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

This on-going project provides for relocation and adjustments to Water Bureau facilities required to accommodate several ODOT and City transportation projects. Funding is partially provided by ODOT and other agencies. The Bureau also takes this opportunity to do certain improvements to the water system prior to construction of new streets to avoid future maintenance and repair problems and to avoid having to make repair cuts in newly paved streets. In those cases where water facilities are located in State Highways by permit or the Transportation project provides an unusually low cost opportunity to upgrade the water system, the expense of at least a portion of the work is borne by the water fund.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund		\$303,000	(\$141,167)	\$325,000	\$422,000	\$422,000	\$422,000	\$422,000	\$422,000	\$2,110,000	
Other		302,000	513,400	300,000	203,000	203,000	203,000	203,000	203,000	\$1,015,000	
Total	N/A	\$605,000	\$432,233	\$625,000	\$625,000	\$625,000	\$625,000	\$625,000	\$625,000	\$3,125,000	on-going

Costs/Schedule:

Planning										
Design/Project Management										
City		\$87,000	\$84,809	\$100,000	\$87,000	\$87,000	\$87,000	\$87,000	\$87,000	\$435,000
Contracted				\$10,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$150,000
Site Acquisition										
Construction										
City		\$243,000	\$347,424	\$370,000	\$308,000	\$308,000	\$308,000	\$308,000	\$308,000	\$1,540,000
Contracted		\$275,000		\$145,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000
Major Equipment										
Total Annual Costs		\$605,000	\$432,233	\$625,000	\$625,000	\$625,000	\$625,000	\$625,000	\$625,000	\$3,125,000

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

PROJECT DETAIL

Project Title: OPEN RESERVOIR STUDY
Project Ranking: 12 Allocated Fund Group
Project Identification # : 3026
Water System Need Addressed: Maintain System

Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

This project includes a water quality and seismic analysis of the Bureau's existing open reservoirs. This work is intended to address new and anticipated water quality regulations and will consider the recent seismic reclassification of the Portland area. Alternatives for potential modifications to these facilities will be identified and evaluated, and an implementation plan for long-term improvements will be established. The primary benefit of the project is to establish a plan to maintain the water quality from these reservoirs.

329

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund				\$20,000	\$185,000	\$295,000				\$480,000	\$500,000
Other											
Total				\$20,000	\$185,000	\$295,000				\$480,000	\$500,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Planning				\$20,000	\$185,000					\$185,000	\$205,000
Design/Project Management											
City						\$18,000				\$18,000	\$18,000
Contracted						\$277,000				\$277,000	\$277,000
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs				\$20,000	\$185,000	\$295,000				\$480,000	\$500,000

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *PAIN T SHOP RELOCATION*
Project Ranking: *17 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Public Health*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Water Bureau maintenance crews operate a paint shop which is currently sharing the premises with Parkrose Well No. 3. Oregon Health Division Administrative Rules now prohibit the use or storage of hazardous materials, such as paints, near drinking water wells. Therefore, the existing paint facility must be relocated to another site. The project includes the planning, design and construction of a new or relocated paint shop.

330

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST	
Water Construction Fund					\$200,000						\$200,000	\$200,000
Other												
Total					\$200,000						\$200,000	\$200,000

Costs/Schedule:												
Planning					\$10,000						\$10,000	\$10,000
Design/Project Management												
City					\$40,000						\$40,000	\$40,000
Contracted					\$30,000						\$30,000	\$30,000
Site Acquisition												
Construction												
City												
Contracted					\$120,000						\$120,000	\$120,000
Major Equipment												
Total Annual Costs					\$200,000						\$200,000	\$200,000

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

PROJECT DETAIL

Project Title: *PARKROSE SUPPLY MAINS*
Project Ranking: *22 Allocated Fund Group*
Project Identification # : *3032*
Water System Need Addressed: *Respond to Growth*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project will construct new mains to supply the annexed areas from the Hazelwood and Parkrose areas. These areas currently are supplied from the pump main from the Groundwater Pump Station. This arrangement covers the area served to receive 100% well water whenever the well system is operated. This violates Bureau policies of furnishing all City customers equal quality water and to not serve distribution areas from pump mains. The mains will also provide adequate supply to the Airport Way area. The project consists of: (1) Constructing a new outlet from Kelly Butte Reservoir to the NE supply main consisting of 2,400 feet of 48-inch diameter main; (2) 11,500 feet of 36-inch main from NE 97th Ave to 102nd Ave from the NE supply main at SE Taylor Street to NE Halsey Street and continuing east in Halsey to NE 108th Ave; (3) 9,000 feet of 30-inch main in NE Halsey Street from NE 108th Avenue to NE 148th; and (4) 3,600 feet of 24-inch main in NE 108th Ave. from NE Halsey Street to NE Klickitat Street and in NE Klickitat Street from NE 108th to NE 105th. The primary benefit of the project is to enhance the system service capacity, with a significant secondary benefit of improving the water quality of the area served.

331

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund				\$30,000	\$230,000	\$715,000	\$790,000	\$1,795,000		\$3,530,000	\$3,560,000
Other											
Total				\$30,000	\$230,000	\$715,000	\$790,000	\$1,795,000		\$3,530,000	\$3,560,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Planning				\$30,000							
Design/Project Management											
City					\$19,000	\$32,000					
Contracted					\$200,000	\$50,000					
Site Acquisition											
Construction											
City					\$11,000	\$58,000					
Contracted						\$575,000					
Major Equipment											
Total Annual Costs				\$30,000	\$230,000	\$715,000					

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *PENRIDGE TANK REPLACEMENT*
Project Ranking: *28 Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project provides for the replacement of the Penridge Tank in the Sylvan service area. The tank was designed for a much smaller service area than it now serves and provides pressures that marginally meet the system standards in the mains near the tank. The replacement will allow the service area to be increased and resolve the pressure problems.

332

Funding Sources:	Prior Yrs	Budget	Actual	Current Year		FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95					TOTAL	PROJECT COST
Water Construction Fund						\$100,000			\$280,000	\$380,000	\$380,000
Other											
Total						\$100,000			\$280,000	\$380,000	\$380,000

Costs/Schedule:										
Planning										
Design/Project Management										
City						\$12,000				
Contracted						\$10,000				
Site Acquisition						\$78,000				
Construction										
City										
Contracted										
Major Equipment										
Total Annual Costs						\$100,000				

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *POWELL BUTTE MASTER PLAN*
Project Ranking: *8.5 Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Project will develop a Master Plan for the Bureau's future use of Powell Butte while incorporating multiple use of the site by citizens of the City. The project will include significant coordination with other City Bureaus, neighborhood groups and result in a report with maps and renderings of future use of this property. The project is necessary in order to allow the Bureau to do accurate planning for major future facilities such as the addition of major in-town storage to replace existing deteriorating facilities and for potential future water treatment facilities.

333

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL		
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST	
Water Construction Fund					\$50,000	\$150,000					\$200,000	\$200,000
Other												
Total					\$50,000	\$150,000					\$200,000	\$200,000

Costs/Schedule:												
Planning					\$50,000	\$150,000					\$200,000	\$200,000
Design/Project Management												
City												
Contracted												
Site Acquisition												
Construction												
City												
Contracted												
Major Equipment												
Total Annual Costs					\$50,000	\$150,000					\$200,000	\$200,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *POWELL BUTTE RESERVOIR #2*
Project Ranking: *31 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Respond to Growth*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project will provide for design and construction of the second 50 million gallon reservoir on Powell Butte. Analysis has indicated that additional storage is required at this location to adequately supply the City and to reduce the system's dependence on the 100 years old open reservoirs on Mt. Tabor and in Washington Park. These aging reservoirs present significant water quality, seismic stability and safety concerns which are to be evaluated in separate studies. It is expected that major repair or replacement of one or more of these reservoirs will be required. This project will provide the additional storage required to safely operate the water system with one or more of the open reservoirs out of service. The first year of the project includes preliminary designs and permitting with project design in the second year, and construction in the third and fourth years. The project is scheduled to allow findings from the Powell Butte Master Plan, Mt. Tabor Part 12 study, Seismic Assessment studies, Open Reservoir Study, and the Regional Water Supply Plan Phase II to be incorporated in the design of this project. The project will significantly enhance the function and reliability of the water supply system.

334

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund						\$50,000	\$825,000	\$6,000,000	\$6,000,000		\$12,875,000
Other											
Total						\$50,000	\$825,000	\$6,000,000	\$6,000,000		\$12,875,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Planning						\$10,000					
Design/Project Management											
City						\$10,000					
Contracted						\$30,000					
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs						\$50,000					

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *POWELL BUTTE RESERVOIR #3*
Project Ranking: *Non-Budgeted – Water Supply Plan Dependent*
Project Identification # :
Water System Need Addressed: *Respond to Growth*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project will provide for design and construction of the third 50 million gallon reservoir on Powell Butte. The reservoir will increase the in-town storage as required to support a growing water system demand and/or reduce the system's dependence on the 1890 vintage open reservoirs, located on Mt. Tabor and Washington Park. Because the need and/or schedule to replace the open reservoirs has not yet been determined, the primary benefit of the reservoir is to add to the system's capacity. As such the project need is dependent upon findings of the Regional Water Supply Plan and, therefore, its funding is not included in this CIP.

335

Funding Sources:	Year 1	Year 2	Year 3	Year 4	Total Project Cost
Water Construction Fund	\$875,000	\$6,000,000	\$6,000,000		\$12,875,000
Other					
Total	\$875,000	\$6,000,000	\$6,000,000		\$12,875,000

PROJECT DETAIL

Project Title: *PUMP & CONTROL MAINTENANCE*
Project Ranking: *26.5 Allocated Funds Group*
Project Identification # :
Water System Need Addressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

The Water Bureau operates and maintains over 30 pump stations. With electricity costs typically exceeding \$500,000 per year, small inefficiencies can be expensive. In order to insure efficient and reliable operation of the Bureau's pump stations, this project provides for pumps and motor replacements, pump-station piping modifications, electrical improvements, and improvements to hydraulic control facilities. Potential project activities are identified and prioritized on a regular basis. This project also covers emergency replacements of pumps, motors, and other station equipment when needed.

336

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Water Construction Fund				\$20,000	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$375,000	\$395,000
Other											
Total				\$20,000	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$375,000	\$395,000

Costs/Schedule:										
Planning										
Design/Project Management										
City				\$5,600	\$4,100					
Contracted										
Site Acquisition										
Construction										
City				\$69,400	\$70,900					
Contracted										
Major Equipment										
Total Annual Costs				\$75,000	\$75,000					

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *REGIONAL TRANSMISSION SYSTEM*
Project Ranking: *Non-Budgeted – Water Supply Plan Dependent*
Project Identification # :
Water System Need Addressed: *Respond to Growth*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project is a major regional water supply enhancement facility that will connect the primary water systems in the region to allow optimum use of the region's water resources to minimize the cost of water to the region and minimize the environmental impacts of that water use. The project includes construction of 33 miles of large diameter pipeline, two 50-million gallon storage reservoirs, and 3 pump stations. Since it is a regional facility, 75% of its cost is estimated to be provided by other water providers in the region. This project's funds are not included in the CIP totals because its need is dependent upon the findings of the Regional Water Supply Plan.

337

Funding Sources:	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Total Project Cost
Water Construction Fund	\$125,000	\$250,000	\$1,375,000	\$25,000,000	\$17,500,000	\$5,750,000	\$50,000,000
Other	375,000	750,000	4,125,000	75,000,000	52,500,000	17,250,000	\$150,000,000
Total	\$500,000	\$1,000,000	\$5,500,000	\$100,000,000	\$70,000,000	\$23,000,000	\$200,000,000

PROJECT DETAIL

Project Title: REGIONAL WATER SUPPLY PHASE 2
Project Ranking: Mandatory
Project Identification # : 3456
Water System Need Addressed: Respond to Growth

Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion X
 Efficiency

Phase 2 is the comprehensive phase of completing a Regional Water Supply Plan for the Portland metropolitan area. Phase 2 is a jointly funded effort of many of the region's water providers to prepare a regional water supply plan with Portland being the contract agent and providing project management services. The plan will consist of phased implementation strategies for meeting the region's future water supply needs to the year 2050. The Plan will be developed using an integrated resources planning approach which will include the elements of demand management and conservation, regional system efficiencies and transmission, supply source analysis, institutional arrangements, with a public involvement program throughout its development and implementation.

338

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund		\$51,000	(\$107,676)	\$600,000	\$257,000					\$257,000	\$857,000
Other		206,000	329,307	1,270,000	358,000					358,000	\$1,628,000
Total		\$257,000	\$221,631	\$1,870,000	\$615,000					\$615,000	\$2,706,631

Costs/Schedule:	Budget	Actual	Current Year					5 YEAR	TOTAL
	FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL
Planning	\$257,000	\$221,631	\$1,870,000	\$615,000					\$615,000
Design/Project Management									
City									
Contracted									
Site Acquisition									
Construction									
City									
Contracted									
Major Equipment									
Total Annual Costs	\$257,000	\$221,631	\$1,870,000	\$615,000					\$615,000

Estimated Additional Operating/Maintenance Costs								
Estimated Additional Operating/Maintenance (Savings)								

PROJECT DETAIL

Project Title: *RESERVOIR MAINTENANCE*
Project Ranking: *30 Allocated Fund Group*
Project Identification # : *2911*
Water System Need Addressed: *Maintain System*

Objectives:	
<i>Maintenance/Repair</i>	X
<i>Replacement</i>	
<i>Mandated</i>	
<i>Expansion</i>	
<i>Efficiency</i>	

This program consists of capitalized projects addressed to preserving the structural and functional integrity of the Bureau's in-city reservoirs and tanks. Work includes major repairs to tank surfaces and linings, repair to lines leading to and from reservoirs, and associated valves, and facilities. These reservoirs, some dating from the 1890's (Washington Park and Mt. Tabor) are the major facilities for storage for finished water.

339

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund		\$302,000	\$351,175	\$235,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,500,000	\$2,086,175
Other											
Total		\$302,000	\$351,175	\$235,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,500,000	\$2,086,175

Costs/Schedule:											
Planning											
Design/Project Management											
City		\$36,400	\$105,062	\$60,000	\$31,000	\$33,000	\$33,000	\$33,000	\$33,000	\$163,000	\$328,062
Contracted			\$4,273		\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$50,000	\$54,273
Site Acquisition											
Construction											
City		\$70,000	\$161,437	\$33,500	\$83,000	\$85,000	\$85,000	\$85,000	\$85,000	\$423,000	\$617,937
Contracted		\$195,600	\$80,403	\$141,500	\$176,000	\$172,000	\$172,000	\$172,000	\$172,000	\$864,000	\$1,085,903
Major Equipment											
Total Annual Costs		\$302,000	\$351,175	\$235,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,500,000	\$2,086,175

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *RIVERGATE INTERTIE*
Project Ranking: *40 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Respond to Growth*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project provides for two mains to complete two loops in the Rivergate area. The addition of these mains will increase supply capacity, reliability and fire protection in this important industrial area. Funding in the first year of the project is intended for project designs with construction scheduled for the second year.

340

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Water Construction Fund						\$330,000	\$915,000			\$1,245,000	\$1,245,000
Other											
Total						\$330,000	\$915,000			\$1,245,000	\$1,245,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Planning											
Design/Project Management											
City						\$20,000					
Contracted						\$120,000					
Site Acquisition											
Construction											
City											
Contracted						\$190,000					
Major Equipment											
Total Annual Costs						\$330,000					

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *SALTZMAN TANK REPLACEMENT*
Project Ranking: *1 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Public & Employee Safety*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project provides for the replacement or elimination of the Saltzman Tank. Currently the tank provides supply to a few customers and is badly deteriorated. This project provides for a study to determine the best method to supply the existing service area of the tank and to implement the selected alternative which may include a continuous run pumping station or individual pressure systems for each service in lieu of rebuilding the existing tank. The existing tank provides low quality service to its service area and is considered a hazard to both employees and public (low fire flow pressure) safety.

341

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST	
Water Construction Fund					\$40,000						\$40,000	\$40,000
Other												
Total					\$40,000						\$40,000	\$40,000

Costs/Schedule:												
Planning												
Design/Project Management												
City					\$10,000						\$10,000	\$10,000
Contracted												
Site Acquisition												
Construction												
City												
Contracted					\$30,000						\$30,000	\$30,000
Major Equipment												
Total Annual Costs					\$40,000						\$40,000	\$40,000

Estimated Additional Operating/Maintenance Costs											
Estimated Additional Operating/Maintenance (Savings)											

PROJECT DETAIL

Project Title: *SAM JACKSON TANK #1*
Project Ranking: *66 Non-Allocated Fund Group*
Project Identification # :
Water System Need Adressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project provides for the repair or replacement of the Sam Jackson Tank No. 1. The tank was determined to be structurally unsafe due to corrosion of the reinforcement steel, a result of the original construction methods. The tank has been out of service since the structural study was completed several years ago. With increased development of the Oregon Health Sciences University and Veterans Hospital complexes, the need for the repair or replacement of this tank is required.

342

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund										\$0	\$400,000
Other											
Total										\$0	\$400,000

PROJECT DETAIL

Project Title:	SANDY RIVER/LOWER BULL RUN CHANNEL HABITAT INVENTORY	Objectives:	
Project Ranking:	42 Non-Allocated Fund Group	Maintenance/Repair	<input checked="" type="checkbox"/>
Project Identification # :		Replacement	<input type="checkbox"/>
Water System Need Adressed:	Environment & Conservation	Mandated	<input type="checkbox"/>
		Expansion	<input type="checkbox"/>
		Efficiency	<input type="checkbox"/>

The operation of the Bull Run water system impacts the flows in the Lower Bull Run and Sandy rivers. In order to operate the water systems with a minimal impact on the rivers, the Bureau has conducted studies on the lower Sandy River that identify its aquatic resources. This study will continue that work into the lower Bull Run rivers. In addition, State and Federal agencies are also planning studies of the Bull Run in FY 94-95 and this project will allow the Bureau to participate collectively with those agencies to study the river in a most economical manner.

343

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST	
Water Construction Fund					\$30,000						\$30,000	\$30,000
Other												
Total					\$30,000						\$30,000	\$30,000

Costs/Schedule:												
Planning					\$30,000						\$30,000	\$30,000
Design/Project Management												
City												
Contracted												
Site Acquisition												
Construction												
City												
Contracted												
Major Equipment												
Total Annual Costs					\$30,000						\$30,000	\$30,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *SE FOSTER ROAD SUPPLY MAIN*
Project Ranking: *56 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Respond to Growth*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project will improve supply in the Gilbert Distribution system and provide a secondary supply to the SE 112th Avenue and Terino Court Pump Stations. The project consists of 6,700 feet of 16-inch main in SE Foster Road from SE 134th Avenue to SE 111th Avenue. The project includes a pressure reducing station. In addition to improving the supply, the main will reinforce and intertie the distribution system.

The first phase of the main between 134th and 122nd installed by Powell Valley Water District in conjunction with the reconstruction of Foster Road. The Water Bureau funding in FY 93-94, with partial funding by the Water Bureau, was to upsize the main in anticipation of annexation in the future.

344

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Water Construction Fund				\$140,000				\$30,000	\$270,000	\$300,000
Other											
Total				\$140,000				\$30,000	\$270,000	\$300,000	\$440,000

PROJECT DETAIL

Project Title: *SE HARNEY MAIN*
Project Ranking: *19 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This is a two-phase project to improve the water supply and fire protection in the Brentwood-Darlington neighborhood. Phase I consists of 5,500 feet of 12-inch main in SE Harney Drive and SE Clatsop Street from SE 52nd Avenue to SE 72nd Avenue. Phase II consists of 2,700 feet of 12-inch main in SE Harney Street from SE 72nd Avenue to SE 82nd Avenue. The project will replace piping in an old annexed water district that does not conform to our standards for fire protection flow capacity. Many of the existing mains are also deteriorating, making the major benefit of this project their replacement.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST	
Water Construction Fund					\$15,000	\$150,000	\$140,000				\$305,000	\$305,000
Other												
Total					\$15,000	\$150,000	\$140,000				\$305,000	\$305,000

Costs/Schedule:												
Planning					\$15,000							
Design/Project Management												
City						\$13,600						
Contracted						\$10,000						
Site Acquisition												
Construction												
City						\$23,400						
Contracted						\$103,000						
Major Equipment												
Total Annual Costs					\$15,000	\$150,000						

Estimated Additional Operating/Maintenance Costs											
Estimated Additional Operating/Maintenance (Savings)											

PROJECT DETAIL

Project Title: SE HAROLD STREET MAIN
Project Ranking: 47 Non-Allocated Fund Group
Project Identification # :
Water System Need Addressed: Maintain System

Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

This project will help bring the Gilbert area distribution system up to Bureau standards by providing a central backbone in the water system for that area. The project consists of 9,700 feet of 12-inch main in SE Harold Street from SE 136th Avenue to SE 103rd Avenue and in SE 136th Avenue from SE Harold Street to SE Raymond Street. The primary benefits of the project are to improve the service from the water system by replacing undersized piping and increasing fire protection flows.

346

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST	
Water Construction Fund						\$50,000	\$510,000				\$560,000	\$560,000
Other												
Total						\$50,000	\$510,000				\$560,000	\$560,000

Costs/Schedule:												
Planning												
Design/Project Management												
City						\$10,000						
Contracted						\$40,000						
Site Acquisition												
Construction												
City												
Contracted												
Major Equipment												
Total Annual Costs						\$50,000						

Estimated Additional Operating/Maintenance Costs												
Estimated Additional Operating/Maintenance (Savings)												

PROJECT DETAIL

Project Title: *SE STARK STREET MAIN*
Project Ranking: *48 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This two phase project will provide adequate supply and distribution reinforcement to meet peak demands in the Hazelwood and Rockwood areas. These areas were annexed into the Water Bureau system and do not meet our system standards for pipe sizing to maintain quality service. The project consists of 10,500 feet of 12-inch main in SE Stark from SE 102nd Avenue to 127th Avenue (Phase I) and from SE 135th Avenue to SE 148th Avenue (Phase II). The two phases of the project will be connected to an existing 12-inch main in SE Stark Street from SE 127th Avenue to SE 135th Avenue. The first year of the project includes funds for project design and the second year with fund construction.

347

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund								\$50,000	\$550,000	\$600,000	\$600,000
Other											
Total								\$50,000	\$550,000	\$600,000	\$600,000

PROJECT DETAIL

Project Title: SEISMIC ASSESSMENT STUDIES
Project Ranking: 22 Non-Allocated Fund Group
Project Identification # :
Water System Need Adressed: Public & Employee Safety

Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

This project includes development of a plan for the Bureau's response to seismic hazards and evaluates key Bureau facilities (Groundwater Pump Station, Powell Butte, and Interstate Maintenance Shops) to determine repairs necessary to withstand predicted earthquake events. The project's plan will identify and provide conceptual designs for the correction of hazards that can be easily and/or cheaply corrected. Major repairs required will only be identified and cost estimates prepared for future budgets.

348

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Water Construction Fund					\$140,000	\$35,000	\$100,000			\$275,000	\$275,000
Other											
Total					\$140,000	\$35,000	\$100,000			\$275,000	\$275,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Planning					\$85,000	\$10,000					
Design/Project Management											
City					\$5,000	\$5,000					
Contracted					\$50,000	\$21,000					
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs					\$140,000	\$36,000					

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *SOUTH FORK INTAKE*
Project Ranking: *Non-Budgeted – Water Supply Plan Dependent*
Project Identification # :
Water System Need Addressed: *Public Health*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Project would permit diversion of a portion of the South Fork Bull Run River around Reservoir #2. The intent of the project is to allow the water system to directly use clean, high quality water from South Fork during periods when the water quality of Reservoir is poor and/or does not comply with drinking water standards. The benefits of the project include improving the reliability, water quality, and capacity of the water supply system. Although not primarily a water supply enhancement, it's need is highly contingent upon decisions on how the the region will expand its water sources in 1995 and the project is therefore not budgeted in this CIP. If the region deddes to develop other significant water sources and thereby reduce the reliance on Bull Run, the need for this project will decrease. Project includes a small diversion works in Reservoir #2, 10,350 feet of 48" diameter pipe, and a connection to the South Tower Pipeline.

Funding Sources:	Year 1	Year 2	Year 3	Total Project Cost
Water Construction Fund	\$250,000	\$250,000	\$3,500,000	\$4,000,000
Other				
Total	\$250,000	\$250,000	\$3,500,000	\$4,000,000

349

PROJECT DETAIL

Project Title: *SOUTH SIDE BRIDGE DESIGN*
Project Ranking: *35 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

The project's purpose is to repair access to the west side of Dam #2's spillway. This will allow maintenance of conduit facilities located there. The project includes the design & construction of a short (40') bridge to replace the existing access route.

350

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST	
Water Construction Fund						\$20,000					\$20,000	\$20,000
Other												
Total						\$20,000				\$20,000	\$20,000	

Costs/Schedule:												
Planning												
Design/Project Management												
City						\$5,400					\$5,400	\$5,400
Contracted												
Site Acquisition												
Construction												
City						\$14,600					\$14,600	\$14,600
Contracted												
Major Equipment												
Total Annual Costs						\$20,000				\$20,000	\$20,000	

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *SPRINGVILLE PUMP STATION MAIN REPLACEMENT* **Objectives:**
Project Ranking: *51 Non-Allocated Fund Group* *Maintenance/Repair*
Project Identification # : *Replacement*
Water System Need Addressed: *Maintain System* *Mandated*
 Expansion
 Efficiency

X

The Springville Pump Station delivers water to the Willalatin Tank and its Skyline service area via a pump main that runs through Forest Park. As the water demand in that service area has grown, the existing pump main has become undersized. This project replaces that main with one that can safely withstand the flow and pressure requirements now being placed on it.

351

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Water Construction Fund.								\$50,000	\$450,000	\$500,000	\$500,000
Other											
Total								\$50,000	\$450,000	\$500,000	\$500,000

PROJECT DETAIL

Project Title: *STANDARDS FOR FACILITY DESIGN*
Project Ranking: *3 Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Economic Viability*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project provides for an engineering study to develop the minimum sizing standards for facilities in the Portland Water System. Minimum sizing for pipelines, distribution network grids, and storage tanks will be investigated as well as standards for pumping, site design, and pressure regulation. The primary benefit of the project is to allow design of a more efficient water system.

352

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund					\$25,000	\$25,000				\$50,000	\$50,000
Other											
Total					\$25,000	\$25,000				\$50,000	\$50,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Planning					\$25,000	\$25,000				\$50,000	\$50,000
Design/Project Management											
City											
Contracted											
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs					\$25,000	\$25,000				\$50,000	\$50,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *STEPHENSON RESERVOIR REPLACEMENT*
Project Ranking: *57 Non-Allocated Fund Group*
Project Identification # :
Water System Need Adressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project will provide for the construction of a 1 million gallon reservoir at the existing Stephenson Reservoir site. This reservoir is needed to provide adequate storage to meet future needs in the Stephenson distribution system. The project will replace one or two of the existing smaller reservoirs on the site. The first year of this project provides funds to do project planning and design, with the second year providing for tank remodeling and construction of the new tank.

353

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund									\$100,000	\$100,000	\$1,100,000
Other											
Total									\$100,000	\$100,000	\$100,000

PROJECT DETAIL

Project Title: *SW DISTRIBUTION INTERTIE*
Project Ranking: *30 Non-Allocated Fund Group*
Project Identification # :
Water System Need Adressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project provides for the installation of an additional supply main in the Burlingame area that improves redundancy in the distribution system that is bisected by a major freeway, I-5. The 24-inch main will be installed to connect an existing 24-inch main in SW Multnomah Blvd. to the existing 24-inch main in SW Taylors Ferry Rd. In addition to providing redundancy to the local distribution system, this main will strengthen the feed to connections for the water systems of both Tigard and Beaverton. The primary benefit of the project is to correct deficiencies in the distribution supply system that serves a large portion of the water systems of the southwest section of the City.

354

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund					\$50,000	\$465,000				\$515,000	\$515,000
Other											
Total					\$50,000	\$465,000				\$515,000	\$515,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Planning											
Design/Project Management											
City					\$10,000	\$24,000				\$34,000	\$34,000
Contracted					\$40,000					\$40,000	\$40,000
Site Acquisition											
Construction											
City						\$51,000				\$51,000	\$51,000
Contracted						\$390,000				\$390,000	\$390,000
Major Equipment											
Total Annual Costs					\$50,000	\$465,000				\$515,000	\$515,000

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

PROJECT DETAIL

Project Title: *SW LANCASTER ROAD MAIN*
Project Ranking: *29 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Respond to Growth*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project will improve the water supply and meet future needs in southwest Portland. The project will also reduce the energy used for pumping and eliminate the need for additional storage facilities in the Arnold system until after the year 2005. The project consists of approximately 10,500 feet of 12-inch main from SW Lancaster Road and SW Broadleaf Drive to SW Boones Ferry Road and SW 19th Avenue. The route is dependent on development in the area and will be determined during the first year of project funding when the project planning and design are to take place. The second year of project funding will construct the new water main.

355

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund					\$40,000	\$400,000				\$440,000	\$440,000
Other											
Total					\$40,000	\$400,000				\$440,000	\$440,000

Costs/Schedule:										
Planning										
Design/Project Management										
City				\$10,000	\$17,000				\$27,000	\$27,000
Contracted				\$30,000					\$30,000	\$30,000
Site Acquisition										
Construction										
City					\$26,000				\$26,000	\$26,000
Contracted					\$357,000				\$357,000	\$357,000
Major Equipment										
Total Annual Costs				\$40,000	\$400,000				\$440,000	\$440,000

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

PROJECT DETAIL

Project Title: *SYSTEM METERING*
Project Ranking: *14 Allocated Fund Group*
Project Identification # :
Water System Need Adressed: *Economic Viability*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

Efficient water system operation and effective system planning require reliable flow, pressure, and tank-level data. The Bureau has an existing network of flow, pressure and tank level sensors at facilities throughout the City. The Water Control Center uses the existing metering network to monitor and operate the system. Data gathered by the Water Control Center is stored for system analysis and planning purposes. Under this on-going project: (1) The accuracy and reliability of the water-system data will be improved through the design and implementation of a regular calibration program for all sensors. The program will include regular site visits and improved record-keeping; and (2) the metering network will be enhanced by addition of flow and pressure sensors at locations critical for an understanding of system hydraulics. Potential sites for new sensors will be prioritized based on the needs of system operations, planning, network analysis and water loss.

356

Funding Sources:	Pr/or Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund				\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000	\$150,000
Other											
Total				\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000	\$150,000

Costs/Schedule:											
Planning											
Design/Project Management											
City			\$6,150	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$5,000	\$11,150
Contracted											
Site Acquisition											
Construction											
City			\$2,000	\$9,000	\$9,000	\$9,000	\$9,000	\$9,000	\$9,000	\$45,000	\$47,000
Contracted			\$16,850	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$75,000	\$91,850
Major Equipment											
Total Annual Costs			\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000	\$150,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *TIGARD SUPPLY MAIN*
Project Ranking: *Non-Budgeted – Water Supply Plan Dependent*
Project Identification # :
Water System Need Addressed: *Respond to Growth*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project's purpose is to provide a new supply line to the Tigard Water District. Project includes construction of a 24" pipeline from the Water Bureau's Burlingame Tank to Tigard's existing connection to the Water Bureau on S.W. Olson Rd. Other capacity enhancements to Burlingame Tank and its pumping system will also be constructed. The primary benefit of the project is enhancing the ability of the Tigard Water District to take water from the Water Bureau. As such, it is estimated that 90% of the project costs will be borne by the Tigard Water District. The need for this project is contingent upon the finding of the Regional Water Supply Plan in 1995 and therefore, the project funding is not included in this CIP.

Funding Sources	Year 1	Year 2	Year 3	Total Project Cost
Water Construction Fund	\$10,000	\$400,000	\$90,000	\$500,000
Other	90,000	3,600,000	810,000	\$4,500,000
Total	\$100,000	\$4,000,000	\$900,000	\$5,000,000

357

PROJECT DETAIL

Project Title: *TRANSMISSION MAINS MAINTENANCE*
Project Ranking: *39.5 Allocated Fund Group*
Project Identification # :
Water System Need Adressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project provides for future unidentified maintenance of transmission mains throughout the city. The water system contains transmission mains which form a large grid of pipes that distribute water to the distribution system. These 12– inch to 32–inch mains require replacement at the end of their useful life to ensure reliability and to save water. These mains are normally replaced on an individual basis as they are identified. They are not normally funded from the Mains programs that replaces the distribution system piping. Funding in this project reserves funds for the transmission mains in future years.

358

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94–95	FY 95–96	FY 96–97	FY 97–98	FY 98–99	5 YEAR	TOTAL
		FY 92–93	FY 92–93	FY 93–94						TOTAL	PROJECT COST
Water Construction Fund										\$0	\$11,500,000
Other											
Total										\$0	\$11,500,000

PROJECT DETAIL

Project Title: *TRANSMISSION & STORAGE IMPROVEMENTS*
Project Ranking: *39 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Respond to Growth*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Improvements in the Transmission and Distribution Storage systems are funded on an individual basis as the projects are identified. This project reserves funds in future years for projects not yet identified. Projects included in this program are those that will provide improved storage to meet future needs in various areas of the City and to provide redundant supply mains to each area of the water system.

Funding Sources:		Budget	Actual	Current Year						5 YEAR	TOTAL
	Prior Yrs	FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund										\$0	\$11,100,000
Other											
Total										\$0	\$11,100,000

359

PROJECT DETAIL

Project Title: *UNDERGROUND TANK REMOVAL*
Project Ranking: *Mandatory*
Project Identification # : 2904
Water System Need Addressed: *Environment & Conservation*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This on-going project funds the decommissioning, cleanup, and replacement of underground fuel storage tanks. All work is as mandated by the DEQ/EPA regulations and is in cooperation with the City Fuel Management Program.

360

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund				\$100,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000	\$225,000
Other											
Total				\$100,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000	\$225,000

Costs/Schedule:

Planning											
Design/Project Management											
City			\$25,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$25,000	\$50,000	
Contracted											
Site Acquisition											
Construction											
City											
Contracted			\$75,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$100,000	\$175,000	
Major Equipment											
Total Annual Costs			\$100,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000	\$225,000	

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

PROJECT DETAIL

Project Title: Project Ranking: Project Identification # : Water System Need Addressed:	WASHINGTON COUNTY SUPPLY LINE PUMP STATION <i>Non-Budgeted – Water Supply Plan Dependent</i> <i>Respond to Growth</i>	Objectives: Maintenance/Repair Replacement Mandated Expansion Efficiency	<table border="1" style="width: 100%; height: 100%; border-collapse: collapse;"> <tr><td style="height: 20px;"> </td></tr> <tr><td style="height: 20px;"> </td></tr> <tr><td style="height: 20px; text-align: center;">X</td></tr> <tr><td style="height: 20px;"> </td></tr> </table>			X	
X							

This project includes a study, design and construction of a new pump station on the existing Washington County supply main. The pump station, if feasible, would increase the flows to west side water providers that purchase water from the Water Bureau. This project may require the replacement of 10,000 feet of pipeline in addition to the pump station. The project is expected to be 90% reimbursable from the water districts. The need for this proposed project is dependent upon the findings of the Regional Water Supply Plan in 1995 and therefore, the project is not budgeted in this CIP.

361

Funding Sources:	Year 1	Year 2	Year 3	Total Project Cost
Water Construction Fund	\$58,000	\$225,000	\$875,000	\$1,158,000
Other	500,000	2,000,000	8,000,000	\$10,500,000
Total	\$558,000	\$2,225,000	\$8,875,000	\$11,658,000

PROJECT DETAIL

Project Title: WASHINGTON COUNTY SUPPLY LINE DRAIN
Project Ranking: 33 Non-Allocated Fund Group
Project Identification # :
Water System Need Addressed: Maintain System

Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

This project provides for reconstruction of blow-offs on the Washington County Supply main. The existing valves were rendered inoperable by the high pressure in the supply main. The Blow-offs are to be reconstructed with a type of valve appropriate for this application.

362

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Water Construction Fund						\$75,000				\$75,000	\$75,000
Other											
Total						\$75,000				\$75,000	\$75,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Planning											
Design/Project Management											
City						\$8,000				\$8,000	\$8,000
Contracted											
Site Acquisition											
Construction											
City						\$67,000				\$67,000	\$67,000
Contracted											
Major Equipment											
Total Annual Costs						\$75,000				\$75,000	\$75,000

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *WASHINGTON PARK 30' PIPELINES REHAB*
Project Ranking: *20 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

The Washington Park Reservoir complex includes two critical 30" pipelines. One line conveys water from Reservoir 3 to Reservoir 4, and the second 30" pipeline conveys water from Pump Station #1 to the Reservoir 4 outlet gatehouse. Both lines leak extensively and are in need of major repair and/or rehabilitation. Previous investigations, some 15 years ago, found repair methods were limited, very expensive and potentially infeasible. Since that time, deterioration of the pipelines has worsened and new repair methods are now available. This work will be done after completion of the Open Reservoir Study, in order to assure this work is consistent with the long-term objectives for the facility. The first year of the project includes funding for developing a plan and design for the repairs. The second year of the project provides funds to repair the pipelines.

363

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund						\$30,000	\$150,000			\$180,000	\$180,000
Other											
Total						\$30,000	\$150,000			\$180,000	\$180,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Planning						\$1,000				\$1,000	\$1,000
Design/Project Management											
City						\$12,000	\$30,000			\$42,000	\$42,000
Contracted						\$8,000				\$8,000	\$8,000
Site Acquisition											
Construction											
City											
Contracted							\$120,000			\$120,000	\$120,000
Major Equipment											
Total Annual Costs						\$21,000	\$150,000			\$171,000	\$171,000

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

PROJECT DETAIL

Project Title: *WATER LOSS REDUCTION*
Project Ranking: *37 Allocated Fund Group*
Project Identification # :
Water System Need Adressed: *Environmental & Conservation*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project funds one of the Bureau's conservation efforts to identify areas of leakage and unmetered water in the Portland system. System improvements to eliminate these losses are to be implemented when cost is justified.

364

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Water Construction Fund						\$160,000	\$160,000	\$160,000		\$480,000	\$480,000
Other											
Total						\$160,000	\$160,000	\$160,000		\$480,000	\$480,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94						TOTAL	PROJECT COST
Planning											
Design/Project Management											
City						\$41,000					
Contracted						\$19,000					
Site Acquisition						\$100,000					
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs						\$160,000					

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: WATER QUALITY SAMPLE UPGRADE
Project Ranking: 2 Non-Allocated Fund Group
Project Identification # :
Water System Need Addressed: Public Health

Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

This project consists of the installation of standardized water quality sampling stations throughout the distribution system. These improvements will allow the Bureau to monitor water quality throughout the system and more readily identify potential problems and their source. Sample stations have been installed at over 40 sites in FYs 91-93, and 25 stations are scheduled to be installed in FY 93-94. Additional stations will be constructed in FY 94-95 to complete this project.

365

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund				\$10,000	\$55,000					\$55,000	\$65,000
Other											
Total				\$10,000	\$55,000					\$55,000	\$65,000

Costs/Schedule:

Planning											
Design/Project Management											
City				\$10,000	\$13,000					\$13,000	\$23,000
Contracted											
Site Acquisition											
Construction											
City					\$42,000					\$42,000	\$42,000
Contracted											
Major Equipment											
Total Annual Costs				\$10,000	\$55,000					\$55,000	\$65,000

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

PROJECT DETAIL

Project Title: *WATER REUSE & ALTERNATE USE*
Project Ranking: *65 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Environment & Conservation*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project is a continuation of the Bureau's effort to conserve use of Bull Run Water. The Bureau completed a study in 1993 that determined the most cost effective means to reduce the use of Bull Run water for non-potable needs, such as lawn watering, cooling, etc. This project contains funds to implement the most cost-effective recommendations as pilot projects beginning in FY 99-00.

366

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund		\$50,000	\$52,007	\$15,000						\$0	\$527,007
Other											
Total		\$50,000	\$52,007	\$15,000						\$0	\$527,007

PROJECT DETAIL

Project Title: *WATER TREATMENT PLANT*
Project Ranking: *Non-Budgeted – Water Supply Plan Dependent*
Project Identification # :
Water System Need Addressed: *Public Health*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project includes funding for the planning, design, and construction of a water treatment and filtration plant for the Bull Run river water source. Such a treatment plant will improve reliability, quality and capacity of that water source. Since a treatment plant on the Bull Run will add to the water supply capacity available to the region, it is assumed that 25% of its cost will come from other regional water providers. State and Federal standards for water systems do not currently require this project and its need is contingent upon future change in those standards and/or on the findings in 1995 from the Regional Water Supply Plan. Due to those uncertainties, funding for this project is not included in this CIP.

Funding Sources:	Year 1	Year 2	Year 3	Year 4	Year 5	Total Project Cost
Water Construction Fund	\$150,000	\$3,600,000	\$60,000,000	\$24,000,000	\$2,225,000	\$89,975,000
Other	50,000	1,200,000	20,000,000	8,000,000	775,000	\$30,025,000
Total	\$200,000	\$4,800,000	\$80,000,000	\$32,000,000	\$3,000,000	\$120,000,000

367

PROJECT DETAIL

Project Title: *WATER TREATMENT PLANT SITING STUDY*
Project Ranking: *14 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Public Health*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project will include the planning and environmental studies necessary to identify a recommended site for a future water treatment plant for the Bull Run River water supply system. Although a treatment plant is not required at this time, it is assumed that it may be needed sometime in the future. This project takes advantage of the long lead time that is currently available to do a comprehensive evaluation of the wide range of potential siting alternatives. The project timing is scheduled such that this study will coordinate with the preparation of the Master Plan for Powell Butte, which is one of the potential treatment plant sites. The project will also incorporate and build on previous Bureau studies and the ongoing work for the Regional Water Supply Plan.

368

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Water Construction Fund						\$100,000	\$200,000			\$300,000	\$300,000
Other											
Total						\$100,000	\$200,000			\$300,000	\$300,000

Costs/Schedule:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Planning						\$100,000	\$200,000			\$300,000	\$300,000
Design/Project Management											
City											
Contracted											
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs						\$100,000	\$200,000			\$300,000	\$300,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *WATERSHED BUFFER PROPERTY*
Project Ranking: *Mandatory*
Project Identification # :
Water System Need Adressed: *Public Health*

Objectives:	
<i>Maintenance/Repair</i>	X
<i>Replacement</i>	
<i>Mandated</i>	
<i>Expansion</i>	
<i>Efficiency</i>	

This project funds the acquisition of a parcel of private property located in the access buffer lands that are immediately outside the drainage basin boundaries of the Bull Run River. Removing these parcels protects the public health by reducing the risk of contamination of the Bull Run River by private individuals on these lands. The funds in FY 94-95 complete payments required in the sales agreement for one land parcel.

369

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
	Water Construction Fund				\$28,300	\$10,750					\$10,750	$39,050
Other											
Total				\$28,300	\$10,750					\$10,750	\$39,050

Costs/Schedule:

Planning											
Design/Project Management											
City											
Contracted											
Site Acquisition				\$28,300	\$10,750					\$10,750	\$39,050
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs				\$28,300	\$10,750					\$10,750	\$39,050

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

PROJECT DETAIL

Project Title: *WATERSHED DAMS MAINTENANCE*
Project Ranking: *24 Allocated Fund Group*
Project Identification # : *2919*
Water System Need Adressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

The Water Bureau owns two large dams in the Bull Run watershed. These dams hold the water which constitutes the main source and storage for the City's water. This on-going project provides for maintenance which protects the long term integrity of the dams, including concrete, coatings, valves, spillways and other features.

370

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund		\$70,000	\$91,903		\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000	\$341,903
Other											
Total		\$70,000	\$91,903		\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000	\$341,903

Costs/Schedule:											
Planning											
Design/Project Management											
City		\$24,000	\$8,699		\$6,000	\$14,000	\$14,000	\$14,000	\$14,000	\$62,000	\$70,699
Contracted		\$2,000			\$5,000	\$1,000	\$1,000	\$1,000	\$1,000	\$9,000	\$9,000
Site Acquisition											
Construction											
City		\$30,000	\$5,437		\$21,000	\$11,000	\$11,000	\$11,000	\$11,000	\$65,000	\$70,437
Contracted		\$14,000	\$77,767		\$18,000	\$24,000	\$24,000	\$24,000	\$24,000	\$114,000	\$191,767
Major Equipment											
Total Annual Costs		\$70,000	\$91,903		\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000	\$341,903

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *WELL SITE IMPROVEMENTS*
Project Ranking: *32 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Public & Employee Safety*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

The Water Bureau wells 26, 29 and 32 were constructed with only minimal, temporary control, electrical and piping systems. This project will correct these deficiencies such that wells 26, 29 and 32 are similar to the other 19 wells. This includes new motor control centers, radio telemetry and RTU's, vaults and site security. Since the running at least of wells 26 and 29 seems to be acceptable from a stand point of not causing the spread of any known contamination plumes, the project has a higher priority. The primary benefit of the project is to protect the public & employee safety during operation of these wells and to protect the City's investment in the wells by enhancing their security systems. The project will be designed in its first year with construction in the second year.

371

Funding Sources:	Prior Yrs	Budget	Actual	Current Year		FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95					TOTAL	PROJECT COST
Water Construction Fund						\$300,000	\$920,000			\$1,220,000	\$1,220,000
Other											
Total						\$300,000	\$920,000			\$1,220,000	\$1,220,000

Costs/Schedule:										
Planning						\$10,000				
Design/Project Management										
City						\$43,000				
Contracted						\$77,000				
Site Acquisition										
Construction										
City										
Contracted						\$150,000				
Major Equipment										
Total Annual Costs						\$280,000				

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *WELLFIELD MAINTENANCE*
Project Ranking: *41 Allocated Fund Group*
Project Identification # :
Water System Need Adressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project is for the major repair and maintenance of the well field facilities including the pump station, well sites, and collection and distribution mains. The well field is the City's supplementary and backup water supply to the Bull Run River supply. During FY 94-95 the Bureau plans to replace pump station control valves, provide security upgrades to well sites, and install a remotely operated actuator for a valve in the pump station discharge header. Funds budgeted for FY 95-96 are to perform major repairs to two wells and lesser projects on several facilities. Repair funds have been withdrawn from this project in recent years due to budgetary constraints and the well system has accumulated many maintenance needs during the last two years.

372

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund				\$35,000	\$150,000	\$300,000	\$200,000	\$200,000	\$200,000	\$1,050,000	\$1,085,000
Other											
Total				\$35,000	\$150,000	\$300,000	\$200,000	\$200,000	\$200,000	\$1,050,000	\$1,085,000

Costs/Schedule:										
Planning										
Design/Project Management										
City			\$5,000	\$28,000	\$33,000					
Contracted										
Site Acquisition										
Construction										
City				\$122,000	\$213,000					
Contracted			\$30,000		\$54,000					
Major Equipment										
Total Annual Costs			\$35,000	\$150,000	\$300,000					

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *WELLFIELD REMEDIATION*
Project Ranking: *17 Allocated Fund Group*
Project Identification # : *3457*
Water System Need Addressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Remediation activities for FY 94-95 will continue to address identification and implementation (construction) of a preferred engineering solution to the plume(s) from Boeing/Cascade that still prevents full use of the wellfield. The budget estimate is based on the assumption that either the responsible parties (RP's), the DEQ, or the EPA will fund the majority of the work and that a city contractor will provide oversight review. The budget also assumes that a similar oversight function will have to be taken for cleanup of as yet unidentified plumes that may threaten the rest of the wellfield.

373

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund				\$625,000	\$760,000	\$260,000	\$260,000	\$200,000		\$1,480,000	\$2,105,000
Other											
Total				\$625,000	\$760,000	\$260,000	\$260,000	\$200,000		\$1,480,000	\$2,105,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Planning											
Design/Project Management											
City				\$37,100	\$60,000	\$60,000	\$60,000	\$40,000		\$220,000	\$257,100
Contracted				\$562,900	\$450,000	\$150,000	\$200,000	\$160,000		\$960,000	\$1,522,900
Site Acquisition											
Construction											
City											
Contracted					\$250,000	\$50,000				\$300,000	\$300,000
Major Equipment				\$25,000							\$25,000
Total Annual Costs				\$625,000	\$760,000	\$260,000	\$260,000	\$200,000		\$1,480,000	\$2,105,000

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *WEST HAYDEN ISLAND SUPPLY MAIN*
Project Ranking: *59 Non-Allocated Fund Group*
Project Identification # :
Water System Need Adressed: *Respond to Growth*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project provides for the construction of a water supply crossing the slough to the West side of Hayden Island. The existing supplies are toward the East end of the Island and are inadequate for capacity and reliability for the West Portion of the Island. Construction scheduling is dependent on needs demonstrated by development of the West Island and proposed transportation plans to construct a second access bridge to the West Island. The first year of the project includes funds for planning and design of the pipeline with construction scheduled for the second year.

374

Funding Sources:	Prior Yrs	Budget FY 92-93	Actual FY 92-93	Current Year FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	5 YEAR TOTAL	TOTAL PROJECT COST
Water Construction Fund									\$50,000	\$50,000	\$365,000
Other											
Total									\$50,000	\$50,000	\$365,000

PROJECT DETAIL

Project Title: *WEST SIDE HEADER*
Project Ranking: *34 Allocated Funds Group*
Project Identification # : *3024*
Water System Need Addressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

The purpose of the project is to add to the flexibility, reliability and capacity of the existing Willamette River crossing system by construction of a new pipeline between the existing river crossings. A portion of the project may be reimbursable from reserved ODOT funds. The new pipeline will enhance flows from the existing river crossings to help recover capacity lost with the removal of one of the river crossings for an ODOT project. The first year of project funding will plan and design the project with construction occurring in the following two years.

375

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund				\$350,000	\$75,000	\$275,000	\$275,000			\$625,000	\$975,000
Other											
Total				\$350,000	\$75,000	\$275,000	\$275,000			\$625,000	\$975,000

Costs/Schedule:

	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Planning					\$10,000						
Design/Project Management											
City				\$40,000	\$17,000	\$32,000					
Contracted				\$45,000	\$48,000	\$10,000					
Site Acquisition											
Construction											
City				\$60,000		\$48,000					
Contracted				\$205,000		\$185,000					
Major Equipment											
Total Annual Costs				\$350,000	\$75,000	\$275,000					

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

PROJECT DETAIL

Project Title: *WEST WELLFIELD COMPLETION*
Project Ranking: *Non-Budgeted – Water Supply Plan Dependent*
Project Identification # :
Water System Need Addressed: *Respond to Growth*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project will bring the Groundwater Development Program to completion of construction. The project will drill four wells in the West Wellfield area and construct the necessary pipelines and wellhead facilities to utilize the four new wells and three other wells that were previously drilled but not completed with pumps and pipelines. Work will not commence until potential contamination problems are resolved. The wellfield is a key source of water for summer peaking and backup when conduits are down for maintenance. The primary benefit of the project is to enhance the emergency water supply to the City and the region. As such, its need is dependent upon findings in 1995 from the Regional Water Supply Plan and therefore, the cost of this project is not included in this CIP.

Funding Sources:	Year 1	Year 2	Year 3	Year 4	Year 5	Total Project Cost
Water Construction Fund	\$150,000	\$3,600,000	\$60,000,000	\$24,000,000	\$2,225,000	\$89,975,000
Other	50,000	1,200,000	20,000,000	8,000,000	775,000	\$30,025,000
Total	\$200,000	\$4,800,000	\$80,000,000	\$32,000,000	\$3,000,000	\$120,000,000

376

PROJECT DETAIL

Project Title: WESTSIDE LIGHT RAIL TRANSIT
Project Ranking: Mandatory
Project Identification # : 3463
Water System Need Addressed: Maintain System

Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

The Bureau of Water Works is participating in the West Side Light Rail project by relocating water facilities impacted by proposed Tri-Met project activities. Major supply and distribution facilities serving the westside and downtown area are affected. The primary components of this program are documented in the Westside Light Rail Downtown Area Impact Study, May 1992. Alternative B was selected by Tri-Met and will result in relocation of 4 major pipelines in Jefferson Street between 18th Avenue and Washington Park. Distribution system piping is also impacted along the proposed light rail route from 18th Ave., Morrison Street and Yamhill Street to 11th Avenue. Major supply pipeline construction is expected during the FY 93-94, with distribution piping relocation expected in the following two fiscal years.

377

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund					\$46,000	\$25,000				\$71,000	\$71,000
Other				625,000	764,000	375,000				\$1,139,000	\$1,764,000
Total				\$625,000	\$810,000	\$400,000				\$1,210,000	\$1,835,000

Costs/Schedule:

Planning											
Design/Project Management											
City				\$160,000	\$163,000	\$74,000				\$237,000	\$397,000
Contracted				\$225,000	\$97,000	\$42,000				\$139,000	\$364,000
Site Acquisition											
Construction											
City				\$159,000	\$407,000	\$241,000				\$648,000	\$807,000
Contracted				\$81,000	\$143,000	\$43,000				\$186,000	\$267,000
Major Equipment											
Total Annual Costs				\$625,000	\$810,000	\$400,000				\$1,210,000	\$1,835,000

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

PROJECT DETAIL

Project Title: *WILLAMETTE TANK ANALYSIS*
Project Ranking: *34 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

Willamette Tank is a small tank located in Forest Park that serves a small area in northwest Portland. The tank is currently inaccessible by vehicle and cannot be adequately maintained. This study will identify and evaluate the alternative solutions to the problem and recommend disposition of this tank.

378

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund						\$20,000				\$20,000	\$20,000
Other											
Total						\$20,000				\$20,000	\$20,000

Costs/Schedule:											
Planning						\$20,000				\$20,000	\$20,000
Design/Project Management											
City											
Contracted											
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs						\$20,000				\$20,000	\$20,000

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *X-CROSSING CONDUITS AT SANDY RIVER*
Project Ranking: *70 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

All three of the conduits that carry water to the City from the Bull Run River water source cross the Sandy River on bridges. These bridge crossings are exposed to the elements and to the public. They are a continuing maintenance liability for the Bureau and, more importantly, they place the conduits at considerable risk of severe damage from flooding of the Sandy River, sabotage by people, and mud flows in the Sandy River canyon from Mt. Hood. This project will construct new buried crossings of the Sandy River for the three conduits.

379

Funding Sources:	Budget		Actual		Current Year					5 YEAR	TOTAL
	Prior Yrs	FY 92-93	FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	TOTAL	PROJECT COST
Water Construction Fund										\$0	\$1,500,000
Other											
Total										\$0	\$1,500,000

