



COMBINED SEWER OVERFLOW PROGRAM

ANNUAL PROGRESS REPORT TO DEQ
ASFO WQ-NWR-91-75/FISCAL YEAR 95-96
JUNE 30, 1996



ENVIRONMENTAL SERVICES
CITY OF PORTLAND

Printed on recycled paper.



CITY OF PORTLAND ENVIRONMENTAL SERVICES



Combined Sewer Overflow Program 1211 SW Fifth Avenue, Suite 800, Portland, Oregon 97204 (503) 823-7878, FAX (503) 823-5565



August 30, 1996

Oregon Department of Environmental Quality
Water Quality Division
2020 SW Fourth Avenue, Suite 400

Attention: Richard Santner

SUBJECT: Amended Stipulation and Final Order (ASFO) No. WQ-NWR-91-75
City of Portland Combined Sewer Overflow (CSO) Program
Annual Progress Report

Enclosed please find two copies of the subject report submitted per the requirements of the subject ASFO. The report covers Fiscal Year 95-96, ending June 30, 1996.

This submittal is responsive to Section 12.a. (11) of the ASFO which states:

By no later than September 1 of each year that this Amended Order is in effect, the Respondent shall submit to the Department and to the Commission for review an annual progress report on efforts to eliminate untreated CSO discharges, subject to the storm return frequencies specified in Section 12.a of this Amended Order. These annual reports shall include at a minimum work completed in the previous fiscal year and the work scheduled to be completed in the current fiscal year.

If you have questions regarding this year's report, please contact me at 823-7169 or Lissa Druback at 823-7735.

Sincerely yours,

John Lang, P.E.
CSO Program Director

Enclosure: Two Copies of Subject Report

s:\cso\deq\ar9596.cl



COMBINED SEWER OVERFLOW PROGRAM

ANNUAL PROGRESS REPORT TO DEQ
ASFO WQ-NWR-91-75/FISCAL YEAR 95-96
JUNE 30, 1996



ENVIRONMENTAL SERVICES
CITY OF PORTLAND

Printed on recycled paper.

**CITY OF PORTLAND
COMBINED SEWER OVERFLOW PROGRAM
ANNUAL PROGRESS REPORT
FISCAL YEAR 95-96
(ASFO WQ-NWR-91-75)**

**CITY OF PORTLAND
BUREAU OF ENVIRONMENTAL SERVICES**

JUNE 30, 1996

Table of Contents

Section	Page
I. Summary	1
II. Introduction	2
III. Background	2
IV. Past Fiscal Year Activities	4
A. ASFO Milestones Achieved	4
B. Program Planning Accomplished	4
C. CSO Control Projects Planned, Designed and/or Constructed	5
D. CSO Operation and Maintenance Activities	7
E. Public Education and Public Involvement Activities	7
V. Planned Effort for Current Fiscal Year	10
A. ASFO Milestones to be Achieved	10
B. Program Planning to be Accomplished	10
C. CSO Control Projects to be Planned, Designed and/or Constructed	10
D. CSO Operation and Maintenance Activities Planned	11
E. Public Education and Public Involvement Activities Planned	11
VI. Conclusions	12
Appendix A: Combined Sewer Overflow Program Monthly Report, June 1996	

s:\cso\deq\ar9596.rpt

I. Summary

The following summarizes the City of Portland's efforts to minimize and/or eliminate CSO discharges to the Columbia Slough and Willamette River during the **past** fiscal year:

- Staffed a CSO Program Management Office to Manage the Activities of the CSO Program.
- Conducted Program Planning Related to the Renewal of the NPDES Permit for the Columbia Boulevard Wastewater Treatment Plant (CBWTP) and the Columbia Slough Basin and Willamette River Basin CSO Discharges.
- Continued CSO Operation and Maintenance Activities to Reduce the Environmental Impact of Current CSO Discharges.
- Continued Implementation of a Comprehensive Public Education/Public Involvement Strategy.
- Selected Sites for the Willamette River Wet Weather Treatment Facility(ies).
- Started Predesign and Final Design on the Columbia Slough Consolidation Conduit (CSCC) and Various Components of the Columbia Slough Wet Weather Treatment Facilities.

Based on the current status of the CSO Program planning, the following is a summary of the overall CSO Program project completion status as of the end of Fiscal Year 95-96:

Total Defined CSO-Related Projects	145
Total Completed CSO-Related Projects	77
Projects in the Planning/Predesign Phase	14
Projects in the Design Phase	18
Projects in the Construction Phase	12
Projects in the Startup/Closeout Phase	2
Projects Scheduled to Start in the Future	22

The following summarizes the planned City of Portland efforts to minimize and/or eliminate CSO discharges to the Columbia Slough and Willamette River during the **current** fiscal year.

- Continue Program Level Planning to Secure the Renewal of the CBWTP NPDES Permit and Optimize the Existing Collection and Treatment Systems.
- Perform First Year of the Willamette River Basin CSO Predesign Project (WRBPP). (This work involves stakeholder and technical process activities designed to evaluate the current Willamette River Basin CSO Control Plan in terms of costs and benefits to City ratepayers.)
- Plan and/or Design Additional CSO Control Projects.
- Construct Additional CSO Control Projects, Including the CSCC.
- Continue Current CSO Operation and Maintenance Activities to Reduce the Environmental Impact of Current CSO Discharges.
- Continued Implementation of the Public Education/Public Involvement Plans.

II. Introduction

This report is submitted to the Oregon Department of Environmental Quality (DEQ) pursuant to Amended Stipulation and Final Order (ASFO) No. WQ-NWR-91-75 issued to the City of Portland (City) by DEQ on August 11, 1994. As stipulated in the ASFO, this report summarizes the City's efforts to eliminate unauthorized Combined Sewer Overflow (CSO) to the Columbia Slough and the Willamette River during the past fiscal year and identifies the work planned under the CSO Program for the current fiscal year.

The ASFO requires that the report be submitted to DEQ by September 1 of each year that the ASFO remains in effect.

III. Background

At the time the original Combined Sewer Overflow SFO was issued in 1991, approximately 60% of Portland's population was being served by a combined sewer system that collected both municipal wastewater (residential, commercial, and industrial sewage) and municipal stormwater (roof runoff; street and paved surface runoff; and urban stream runoff). Currently, when there is a storm event in the City, runoff typically exceeds the carrying capacity of the combined sewer system causing overflows to both the Columbia Slough and the Willamette River through up to 54 individual outfalls.

These overflows are in violation of Federal clean water regulations and have been deemed a significant source of water pollution in both the Columbia Slough and the Willamette River. Before control work began, the City's CSO outfalls discharged on average approximately 6 billion gallons of CSO annually. Approximately 20% of the content of this annual overflow was projected to be untreated municipal wastewater. As of June 30, 1996, due primarily to the Cornerstone Projects, approximately 200 million gallons/year of CSO has been eliminated based on model projections.

The current ASFO is essentially a 20-year compliance schedule to reduce overflow from the City's combined sewer system. It includes the following major milestones:

- By December 1, 2000, the City must eliminate all CSO discharges to the Columbia Slough that violate provisions of the ASFO.
- By December 1, 2001, the City must eliminate all CSO discharges that violate provisions of the ASFO at 20 of the CSO outfalls (including the Columbia Slough outfalls) consistent with the Facilities Plan approved by the Environmental Quality Commission (EQC).
- By December 1, 2006, the City must eliminate all CSO discharges that violate provisions of the ASFO at 16 of the remaining CSO outfalls, consistent with the Facilities Plan approved by the EQC.
- By December 1, 2011, the City must eliminate all remaining CSO discharges that violate provisions of the ASFO, consistent with the Facilities Plan approved by the EQC.

Also included in the ASFO are a number of intermediate milestones, including the submittal of annual progress reports to DEQ by September 1 of each year that the ASFO is in effect. The reports are to summarize the work performed during the past fiscal year and identify the work planned for the current fiscal year to eliminate discharges that violate the provisions of the ASFO.

An additional SFO (No. WQMW-NWR-92-140) was entered into by the City of Portland and DEQ on July 21, 1992, that relates specifically to dry weather discharges from the City's collection system. This included any discharge of untreated sewage that is not specifically induced by rainfall. This order included a compliance schedule for elimination of dry weather discharges by March 31, 1995, along with several intermediate milestones.

The City made the improvements thought to be necessary to eliminate these dry weather overflows according to the required schedule, but it subsequently was discovered that dry weather overflows continued at certain outfalls. In late 1995, Mutual Agreement and Order WQMW-NWR-95-329 was negotiated to address these overflows. The order is scheduled to expire on September 30, 1996.

IV. Past Fiscal Year Activities

This section summarizes the CSO abatement efforts for the period beginning July 1, 1995, and ending June 30, 1996. The section is divided into the following subsections:

ASFO Milestones Achieved
Program Planning Accomplished
Control Projects Planned, Designed, and/or Constructed
CSO Operation and Maintenance Activities
Public Education and Involvement Activities

A more detailed review of the Bureau's progress toward meeting the SFO/ASFO milestones is contained in Appendix A.

A. ASFO Milestones Achieved

No major milestones were scheduled to be completed during the fiscal year. This means that all 33 SFO/ASFO milestones scheduled to date have been met on time since the signing of the initial SFO.

B. Program Planning Accomplished

Program planning continues to be an important aspect of the work being performed under the CSO Program. Planning is important to insure that the technical requirements of the ASFO are met within the schedule and budget constraints of the CSO Program. Important planning activities accomplished during the fiscal year were as follows:

- Internal Meetings and Meetings with DEQ Related to the Renewal of the NPDES Permit for the CBWTP and the Columbia Slough and Willamette River CSO Discharges.
- The Willamette River Wet Weather Treatment Facility(ies) (WRWWTF) Citizens Task Force completed deliberations and recommended two potential treatment facility sites to the Portland City Council. The City Council accepted the recommendations with certain caveats regarding the use of and cost for developing both sites.
- Developed Purpose and Goals for a More Detailed Evaluation of the CSO Control Plan for the Willamette River Basin. This work has been identified as the Willamette River Basin CSO Predesign Project.

C. CSO Control Projects Planned, Designed and/or Constructed

Many primary capital projects for improvements that will provide for reduction of the volume and frequency of CSO discharges to both the Columbia Slough and the Willamette River were either in the planning, design, and/or constructed stage during the past fiscal year. The work accomplished on these projects can be summarized as follows:

- **Downspout Disconnections:** Completed detailed downspout disconnection assessments of some 2000 residences; sent over 25,000 postcards and brochures to owners in the north and northeast Portland target area to encourage participation in the program; processed participation forms from 2000 respondents; and disconnected 1379 downspouts at 609 residences during the year.

Partnerships with Envirocorps and various neighborhood organizations have reduced the cost of disconnection, supported community-based activities, and encouraged collaboration among community groups.

- **SLRT Calibration:** Continued to perform flow calibration of the sewer level remote telemetry (SLRT) system at 57 locations in the combined sewer system. Performed calibration on 30 stations to date.
- **NW 29th & 31st Diversion:** Completed construction of this project to eliminate dry weather overflows.
- **St. Johns Basin Sewer Separation:** Completed construction of the basin-wide sewer separation of St. Johns 'A' basin.
- **Drainage Sumps:** Completed design work in the Stark, Taggart, and Insley drainage basins. Completed construction of 378 sumps to provide inflow reduction in the following six CSO drainage basins:
 - Fiske Basin
 - Lents Basin
 - Sullivan Basin
 - Stark Basin
 - Insley Basin
 - Taggart Basin
- **Oregonian Basin Separation:** Completed planning studies.

- **Oswego Basin Separation:** Completed planning studies.
- **Fiske Basin Separation:** Completed the design, bid the construction package, and selected the Contractor for the sewer separation work. In addition, the site for a water quality treatment facility was acquired.
- **Ramsey Lake Constructed Wetland:** Completed construction to the 95 % level. When completed in Fiscal Year 1996-97, this facility will treat storm water from the St. Johns 'A' and Oswego Basins and the Rivergate Industrial Area.
- **Ramsey Lake Trunk Sewer:** Completed the design, bid the construction package, selected the Contractor, and completed construction to the 30% level.
- **Sellwood Basin Separation:** Completed construction for two sump projects.
- **Cathedral Park Water Quality Facility:** Began construction, which is scheduled to be completed by the end of Fiscal Year 1996-97.
- **Tanner Creek Basin:** Completed construction of Phase 1/Unit 1 to the 70% level.
- **Columbia Slough Consolidation Conduit (CSCC):** Completed planning, predesign, and 60% design of this important Columbia Slough control project. Also conducted value engineering of the 60% design package.
- **Columbia Slough WWTF Influent Pump Station:** Performed predesign activities on this Columbia Slough CSO control project designed to transfer CSO collected in the CSCC to the Columbia Slough WWTF Headworks.
- **Columbia Slough WWTF Headworks:** Performed predesign activities on this Columbia Slough CSO control project designed to handle CSO transferred from the CSCC.
- **Columbia Slough WWTF:** Performed predesign and final design activities on this Columbia Slough CSO control project designed to treat wet weather flows at the CBWTP.
- **Columbia Slough WWTF Outfall:** Performed predesign activities on this Columbia Slough CSO control project designed to transport/discharge CBWTP wet weather flows to the Columbia River.
- **Willamette River Basin Predesign Project (WRBPP):** Developed project purpose/goals, developed project scope, and prepared a request for proposals for this important CSO control development project for the Willamette River Basin. This work

included a national CSO workshop to get input from others around the United States who have or who are developing/implementing CSO control plans. This project, which is scheduled to be completed by December 1998, will begin in earnest in September 1996.

D. CSO Operation and Maintenance Activities

Continued implementation of operation and maintenance practices that reduced the impact of CSOs on the receiving streams. Although the following represents the City-wide effort, the majority of this work was performed within the CSO area:

- Sewer Cleaning 146 miles
- Catch Basin/Inlet Cleaning 18,247 units cleaned
- Drainage Sump Cleaning: 93 units cleaned
- Street Sweeping: 52,599 curb miles

E. Public Education and Public Involvement Activities

Public information and involvement activities for the CSO program continued on both program and project levels during the 1995-96 year. The following is a summary of those activities:

- **Public Involvement Plans:** Public involvement plans were developed for newly activated CSO projects this year and updated, as needed, for continuing projects. A plan was also prepared for the Columbia Slough projects to coordinate public involvement activities in that area.
- **Speakers Bureau:** The CSO Program and other BES staff made over 60 presentations to neighborhood, business, environmental, recreational, and other community groups during the year. Presentations included an overview of the CSO Program, the relationship to the Clean River Works mission, and individual projects as appropriate.
- **Public Participation:** Open houses and workshops were employed to inform and involve citizens about CSO projects. The Tanner Creek project held a final design workshop to consolidate the views of residents and businesses in Northwest Portland. For CSO projects at the Columbia Boulevard Wastewater Treatment Plant, an open house and workshop was held to inform citizens of plans for the site and obtain input on community amenities at the plant. A workshop was also held for members of the Overflow Treatment Facility Siting Task Force to give input on the Willamette Basin Planning process.

In addition, a series of three community leader breakfasts were held to inform and involve area leaders in the CSO program.

- **Citizen Committees/Task Forces:** Citizen committees and task forces continued to be employed to educate and involve citizens in CSO projects. These committees, in conjunction with broader public outreach, allowed citizens to advise CSO project teams on key decisions.

A fifteen-person Overflow Treatment Facility Siting Task Force, charged by the Portland City Council with recommending a site for a new facility to treat Willamette Basin wet weather flows. The Task Force considered five candidate sites reviewing technical and policy information, and public input. A broader public involvement program helped to facilitate community discussions in each site area and generated potential community benefits. In November 1995, the City Council accepted the Task Force's final report which recommended two sites, Swan Island and the River District.

A project steering committee, comprised of three North Portland citizens and CSO staff, was formed for the Consolidation Conduit to advise the project team on key design issues. The committee met monthly and made recommendations on the Conduit's alignment and related community benefits. The committee also assisted with a presentation to City Council on criteria for community benefits.

A citizen working group, comprised of Northwest Portland representatives, was also formed for the Tanner Creek project. The group advised CSO staff on construction issues including traffic management and community amenities.

- **Surveys:** Community surveys were used to help identify community preferences related to key project issues. The surveys were mailed to residents in project areas. A survey was sent to communities surrounding the candidate sites for the Overflow Treatment Facility to identify concerns and potential community amenities. The Consolidation Conduit project employed a survey to help identify community benefits. Another survey was sent to residents of the St. Johns "A" to identify issues related to construction impacts.

- **Public Information Materials:** Regular and ad hoc public information materials have been developed and maintained to inform Portland ratepayers and key stakeholders on the CSO Program's progress. The **CSO Update**, a quarterly report sent to over 2,000 interested stakeholders highlighted current program and project activities. The **CSO Progress Report**, is a quarterly report on program progress, including MBE/WBE/ESB, public involvement components, and key public policy issues. This publication has been distributed to community leaders and government officials.

Fact sheets and other informational materials have been developed in association with individual projects including: Consolidation Conduit, Ramsey Lake Constructed Wetland, Ramsey Lake Trunk, Downspout Disconnection Program, Tanner Creek, and the Columbia Boulevard Wet Weather Treatment Facilities Outfall.

- **CSO Program Video:** A broad distribution plan was developed and implemented for the updated CSO Program video. The video has been distributed to numerous video stores as a free rental as well as public libraries. It has also been shown to over 60 community groups during speakers bureau presentations.
- **Computer Kiosk:** Five interactive computer kiosks, with interactive programs providing broad and specific information on the CSO program, have been developed and located in shopping malls, large stores, government buildings, and other high traffic areas (such as OMSI, Convention Center, neighborhood fairs). These kiosks allow citizens to access information and give feedback through "touch-screens".
- **Education:** In association with the Ramsey Lake Constructed Wetland, an environmental education program has been established with Portland high school classes to monitor the development of the site. Approximately 75 students assisted in the plantings for the site. In addition, over 50 students and 20 teachers from high schools and middle schools have toured the constructed wetland.
- **Community Benefit Opportunities:** The CSO Program is committed to working with communities in project areas to identify community benefit opportunities. The purpose of these opportunities is to provide a value-added element to the communities where CSO projects are implemented. The Portland City Council has adopted guidelines to help achieve these community benefits.
- **Clean River Works:** The Bureau has continued implementation of its Clean Rivers mission to improve water quality in Portland's rivers and streams. The CSO Program continues to associate its presentations and materials with this effort to reinforce the messages of the CSO public involvement strategy.
- **River Alert:** This program continues to inform citizens of CSO occurrences into the Willamette River and Columbia Slough.

V. Planned Efforts for Current Fiscal Year

The current fiscal year's efforts covers the period beginning July 1, 1996, and ending June 30, 1997. The work planned for the current year will focus on continued implementation of the Cornerstone Projects throughout the CSO area, the implementation of the control facilities in the Columbia Slough Watershed, and refined planning in the Willamette River Basin. The current year's work is divided into the same five subsections used for the previous year's efforts.

A. ASFO Milestones to be Achieved

There are no major ASFO milestones during the current fiscal year.

B. Program Planning to be Accomplished

Program-level planning will continue in several areas of the CSO Program during the current fiscal year. Important planning activities to be accomplished include:

- Renewal of the NPDES Permit for the CBWTP and the Columbia Slough and Willamette River CSO Discharges.
- Completion of a Sewer System Optimization Plan for the Columbia Slough Collection System.
- Completion of a Sewer System Optimization Plan for the Willamette River Collection Systems.
- Finalize sump management plan and continue implementation of sump management activities.

C. CSO Control Projects to be Planned, Designed and/or Constructed

The CSO control projects to be planned, designed and/or constructed during the current fiscal year includes the continuation of the inflow reduction projects, including drainage sump construction, downspout disconnections, stream diversion projects, and sewer separations. Specific work to be accomplished includes:

- Disconnection of downspouts at 3000 residences
- Design of Tanner Creek Stream Diversion Projects Phase 1 & 4

- Construction of Tanner Creek Stream Diversion Project Phase 1/Unit 1
- Construction of Tanner Creek Stream Diversion Project Phase 1/Unit 2
- Complete construction of the Ramsey Lake Constructed Wetlands Project
- Complete construction of the Ramsey Lake Trunk Sewer
- Construction on the Fiske B Sewer Separation Project
- Final Design of the Oregonian Basin Sewer Separation Projects
- Final Design of the Oswego Basin Sewer Separation Projects
- Preliminary and Final Design of the NW 110th Avenue Sewer Separation Projects
- Preliminary and Final Design of the Sellwood Sewer Separation Projects
- Preliminary and/or Final Design of the Columbia Slough Control Projects, including the Columbia Slough Consolidation Conduit, the CBWWTF Influent Pump Station, the CBWWTF, and the CBWWTF Outfall.
- Begin Willamette River Basin CSO Predesign Project

D. CSO Operation and Maintenance Activities Planned

Continue the implementation of operation and maintenance practices that reduce the impact of CSOs on receiving streams. This City-wide effort will include the following project work:

- Sewer Cleaning: 290 miles
- Catch Basin/Inlet Cleaning: 6,750 catch basin/inlets
- Drainage Sump Cleaning: 200 sumps/sedimentation manholes
- Street Sweeping: 45,000 curb miles

E. Public Education and Public Involvement Activities Planned

The CSO Program public education and public involvement activities planned for the current year include a continuation of the same types of activities performed during the previous fiscal year for continuing and new projects. In addition a broader public outreach effort will be undertaken to ensure that residents outside of project areas are also aware of the work accomplished on the CSO program. The planning, staffing, organizing, and handling of the Willamette River Basin Stakeholder Task Force will be a significant focus of the public involvement work during the first part of the year.

VI. Conclusions

- The City is making good progress and is on schedule towards the target reduction of CSO's as evident by the above list of accomplishments and the work planned for the current year.
- No SFO/ASFO milestones were scheduled during Fiscal Year 95-96, but the City remains on track for meeting the next scheduled milestones.
- The City conducted substantial operation and maintenance of the CSO collection system during the past fiscal year to reduce the environmental impact of current CSO discharges and will continue with this effort during the current fiscal year.
- The public outreach program will continue to expand and improve the public's understanding of the City's combined sewers and the impact of CSO discharges on water quality in the Columbia Slough and the Willamette River.
- The public education and public involvement strategy and plan developed during Fiscal Year 94-95 will continue to be implemented for the benefit of the general public as well as specific groups impacted by projects during the current year.
- Because of the efforts on implementing the Cornerstone Projects to date, the City has eliminated an estimated 200 million gallons/year of CSO from the Columbia Slough and Willamette River.

APPENDIX A

COMBINED SEWER OVERFLOW PROGRAM MONTHLY REPORT

JUNE 1996

(On file with Bureau of Environmental Services)



Con#: 96005988.CSO



COMBINED SEWER OVERFLOW PROGRAM

MONTHLY REPORT
JUNE 1996



ENVIRONMENTAL SERVICES
CITY OF PORTLAND

Printed on recycled paper.

CSO IMPLEMENTATION TEAM CHARTER

MISSION STATEMENT

In partnership with the community and other City employees, we will reduce combined sewer overflows to create a legacy of cleaner rivers for all to enjoy.

GOALS

We, the members of the CSO Implementation Team, commit to:

- Implement the Combined Sewer Overflow Management Plan.
- Meet all Amended Stipulation and Final Order requirements.
- Achieve the required combined sewer overflow reductions.
- Develop cost-effective solutions.
- Identify and consider "natural process" alternatives for program solutions.
- Complete the program on schedule and within budget.
- Develop and maintain community understanding and support.
- Enhance the beneficial uses of the Willamette River and Columbia Slough by reducing CSOs.
- Maximize opportunities for minority, women, emerging and local business participation and growth.
- Work with community partners to increase the benefits of our projects.
- Support the Bureau's Clean Rivers Mission.

VALUES

We, the members of the CSO implementation Team value:

- Opportunities to work as a team.
- Open communications with respect and support for each others' work and skills.
- Working efficiently to save costs.
- Considering innovative and creative alternatives as solutions for the program's goals.
- Continuous improvement in the quality of our work.
- Involving the community in program activities and solutions.
- Diversity within our team and the work force accomplishing the program.
- Environmental and community-based benefits that can be achieved through the program.
- Challenging and meaningful work.
- Celebrating the successes of our work and striving for excellence individually and as a team.

CSO PROGRAM MONTHLY REPORT - JUNE 1996
TABLE OF CONTENTS

SECTION I	EXECUTIVE SUMMARY
SECTION II	PROJECT HIGHLIGHTS
SECTION III	ACTIVITY HIGHLIGHTS
SECTION IV	SCHEDULES
SECTION V	COSTS
SECTION VI	PROJECT STATUS REPORTS (PDX)

Content: This CSO Program Monthly Report provides a summary of the program accomplishments, status, schedules, budgets, areas of concern and projection of activities.

Distribution: Distribution is by Marian Greeley, CSO Program, per list below. Call X7607 for changes to the list.

Distribution:

D. Marriott	L. Cockrell	P. Gribbon	Library	S. Pinnel	J. Saroka
G. Appel	C. Collis	D. Kliewer	M. Lindberg	F. Rahman	D. Singleterry
B. Baechler	G. Culp	L. Klingler	H. Lockett	J.M. Read	Sverdrup Office
G. Brien	L. Dartsch	G.Krahmer	J. Olivier	N. Robinson	B. Westermann
A. Buescher	I. Draper	L. Lee	G. Luthy	D. Sandaas	

Implementation Team

SECTION I

EXECUTIVE SUMMARY

EXECUTIVE SUMMARY

Program Overview:

The City of Portland has agreed with the Oregon Department of Environmental Quality to decrease combined sewer overflows (CSOs) to the Columbia Slough by 99% by the year 2000 and to the Willamette River by 94% by the year 2011. The Portland Bureau of Environmental Services has organized the CSO Program to manage the necessary design and construction projects to comply with these scheduled mandates.

The implementation of the CSO Program is proceeding. It is fully engaged in all phases of the projects, including preparation of professional services RFPs, advertising of construction contracts, and the oversight of design activities. With the help and active participation of the Project Managers, Public Involvement and M/W/ESB, activities are being integrated into the normal routine of project implementation.

This June Report contains information on the 179 projects and nested projects in the CSO Program. The current Program budget is \$700M, in 1993 dollars. This budget may increase slightly as the scope of some of the grant projects is refined. At this time there are no serious problems known regarding the total budget, however FY budgeting constraints may have an impact on the Program. The Accounting Department has reviewed Program costs and reports that \$66.3M has been spent. All Program costs will be reported without City interest and overhead applied which is in accordance with this Budget.

As of the end of AP-12, the fiscal year expenditures for the Program are at \$17.2M. In order to meet the ASFO milestones, the original FY budget of \$23.3M has had to be revised upward to \$28.7M which is being carried in the Accounting system as the current FY budget. Due to a possible overrun of BES FY capital expenditures, the CSO Program has been requested to reduce its expenditures. The Program PMs have responded by reducing project FY estimates to \$26.2M. See the current FY Budgeted Cost Diagram later in this section

Reduction of available funding over the next five years will have negative schedule impacts and reduce available float on critical projects. The Columbia Slough portion of the Program Schedule has slipped approximately six months. The current schedule still meets the ASFO milestone dates, but the originally planned six month schedule cushion (float) has been virtually eliminated.

The most critical area reflected in the Master Program Schedule continues to be the Columbia Slough (CS) System which includes the CS WWTF Outfall (5302), CS Consolidation Conduit (5332), CS Influent Pump Station (5499) and CS WWTF (5480). These projects are the principle facility group to be completed to achieve compliance with the year 2000 SFO Milestone.

Major activities during June:

- Awarded Fiske B Separation (5249) construction contract.
- Reviewed Tanner Creek Phase I (5407) 90% plans and specifications.
- Performed final modeling of CSCC sizing simulations.
- Performed preliminary design modeling of Fiske B water quality structures.
- Finalized Council calendar and ordinance process for CSO.
- Attended presentations of prospective OCIP brokers.
- Began development of the PART FY 95-96 Program Review and conducted 20 staff interviews as part of the review process.
- Conducted Value Planning Study of the proposed wet weather treatment facilities at the CBWTP.
- Mailed fact sheet and survey to North Portland residents and business on CS Conduit progress and community benefit opportunity choices.
- Made presentations to CBWTP citizen advisory committee on CS Outfall and other CSO projects in the treatment plant site area.
- Completed work on CSO transition plan (Sverdrup to BES).
- Completed preliminary scope for new project management software system for BES.

Major activities planned for July:

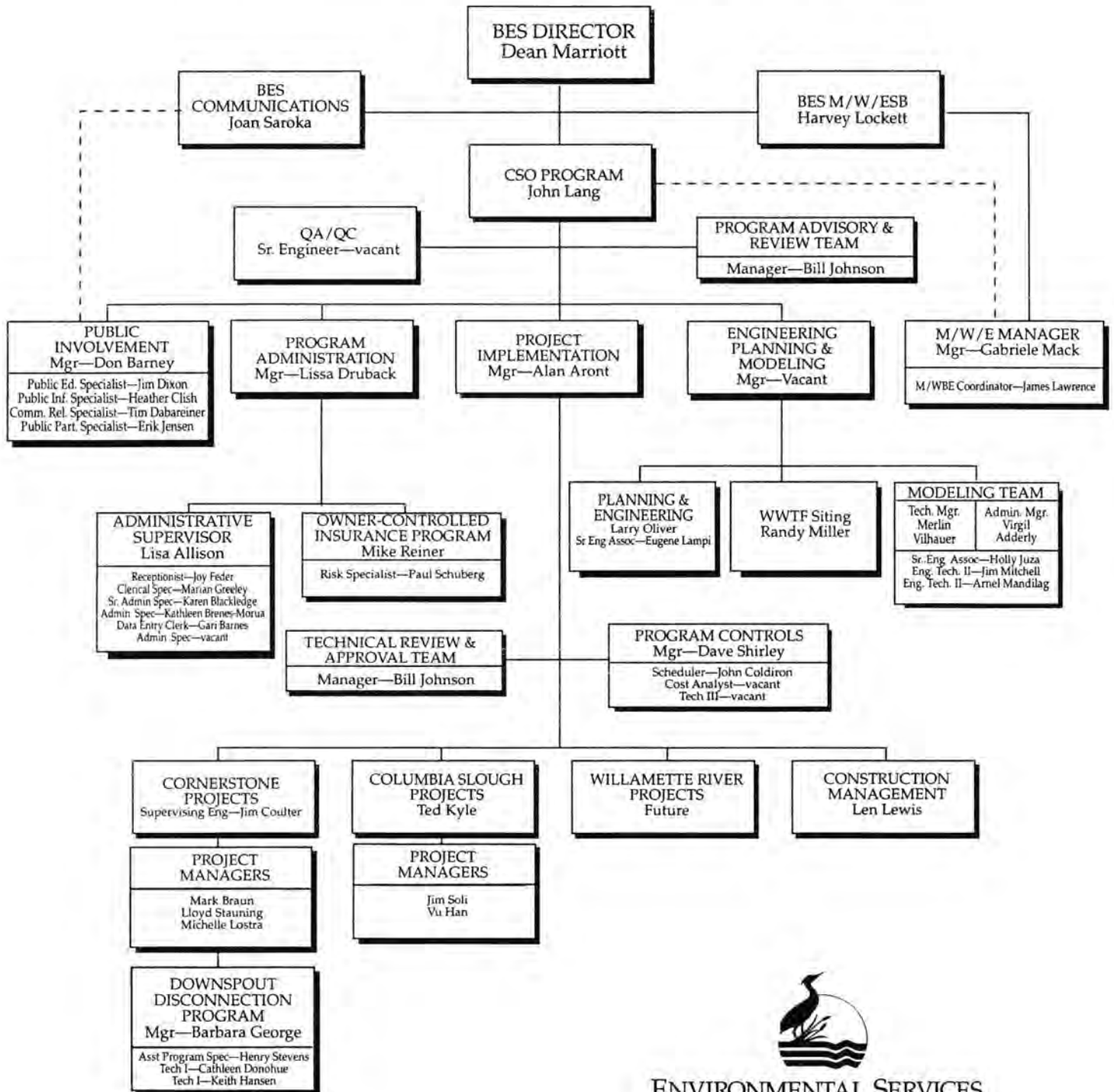
- Begin design of CS Pump Station (5499).
- Begin construction of Fiske B Basin CSO Sewer Separation (5249).
- Complete construction of Tanner Creek Sewer: Phase 1, Unit 1 (5664).
- Finalize the scope of work and RFP for the WRBP.
- Distribute office correspondence standards to team members.
- Hire OCIP broker.
- Implement Council calendar and ordinance process within CSO.
- Refine and implement work plan for the WRBP CSO Characterization Tasks.
- Develop scope of work and plan for additional Willamette River physical and chemical monitoring and begin the additional monitoring.
- Begin discussions with DEQ regarding wet weather permitting of the Willamette River Basin overflows relative to the WRBP.
- Complete PART FY 95-96 Program Review and prepare report.
- Finalize RFP and advertise for consultant to perform Willamette River predesign services.
- Complete stakeholder survey for Columbia River Outfall project.
- Determine recommended list of CBOs for CS Consolidation Conduit Project.

Major activities planned for the next 6 months:

- Begin design of Oregonian (5291), Oswego Basin (5292), Columbia WWTF Outfall (5302), and CS WWTF Headworks (5480).
- Complete design of the CS Consolidation Conduit (5332) and Tanner Creek Sewer: Phase 4 (5407).
- Complete construction of Cathedral Park Water Quality Facility (5478) and Ramsey Lake Constructed Wetland (5186).
- Finalize decision to utilize one or two sites for Willamette WWTF (5481).

- Finalize loss control and implementation plan for OCIP.
- Resolve all issues and obtain agreement with DEQ regarding wet weather permitting of the CS overflows.
- Develop issues with DEQ regarding wet weather permitting of the Willamette River Basin overflows.
- Evaluate the results of the Value Planning Study for implementation.
- Develop contracting strategy for all CS projects.
- Perform modeling analysis of expanded Cornerstone projects and inline storage for Willamette River CSO predesign.
- Complete CSO Modeling Guidelines and QA/QC Procedure.
- Begin FY 97-98 Budget process.

Combined Sewer Overflow Program



ENVIRONMENTAL SERVICES
CITY OF PORTLAND

12/6/95

Portland Bureau of Environmental Services -- Combined Sewer Overflow Program
Approved Facilities Plan Baseline Budget and Schedule Summary

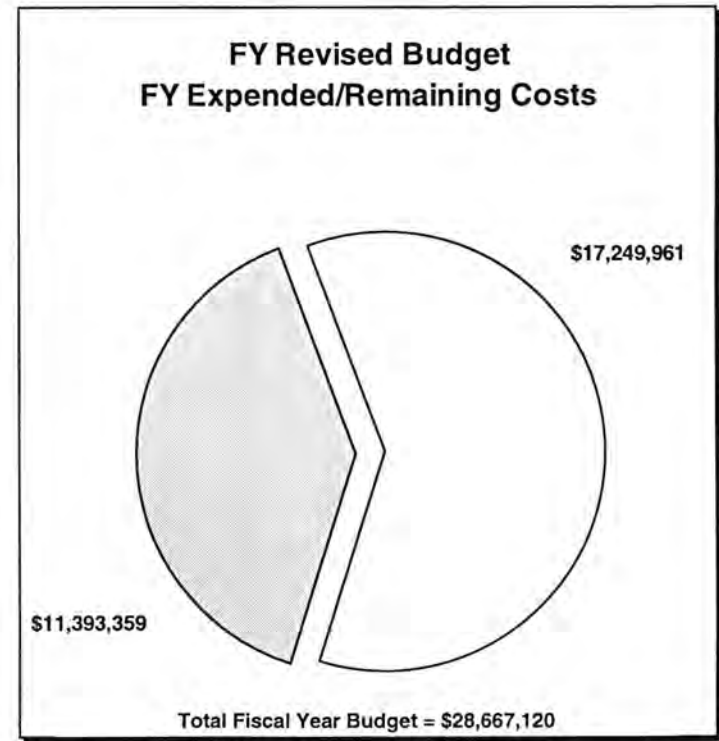
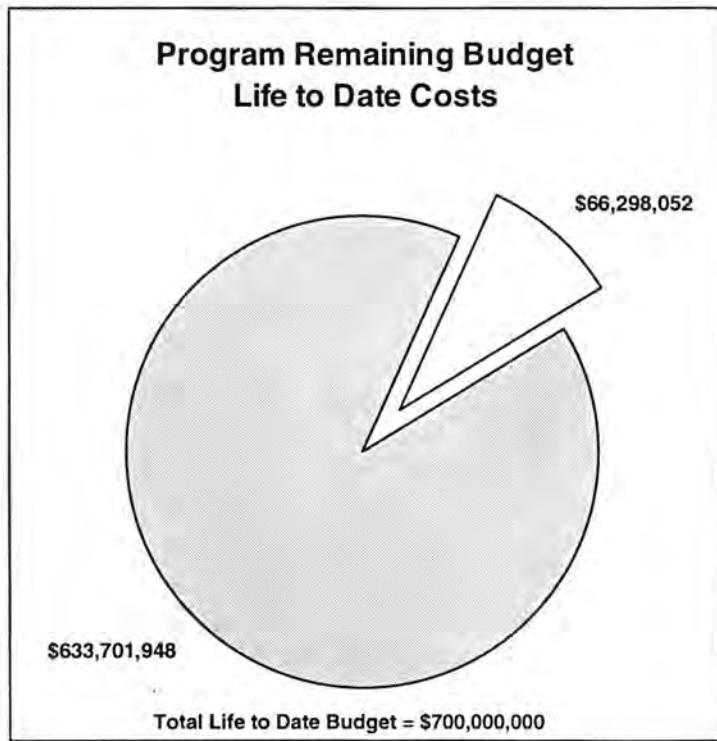


Life to Date Program Costs

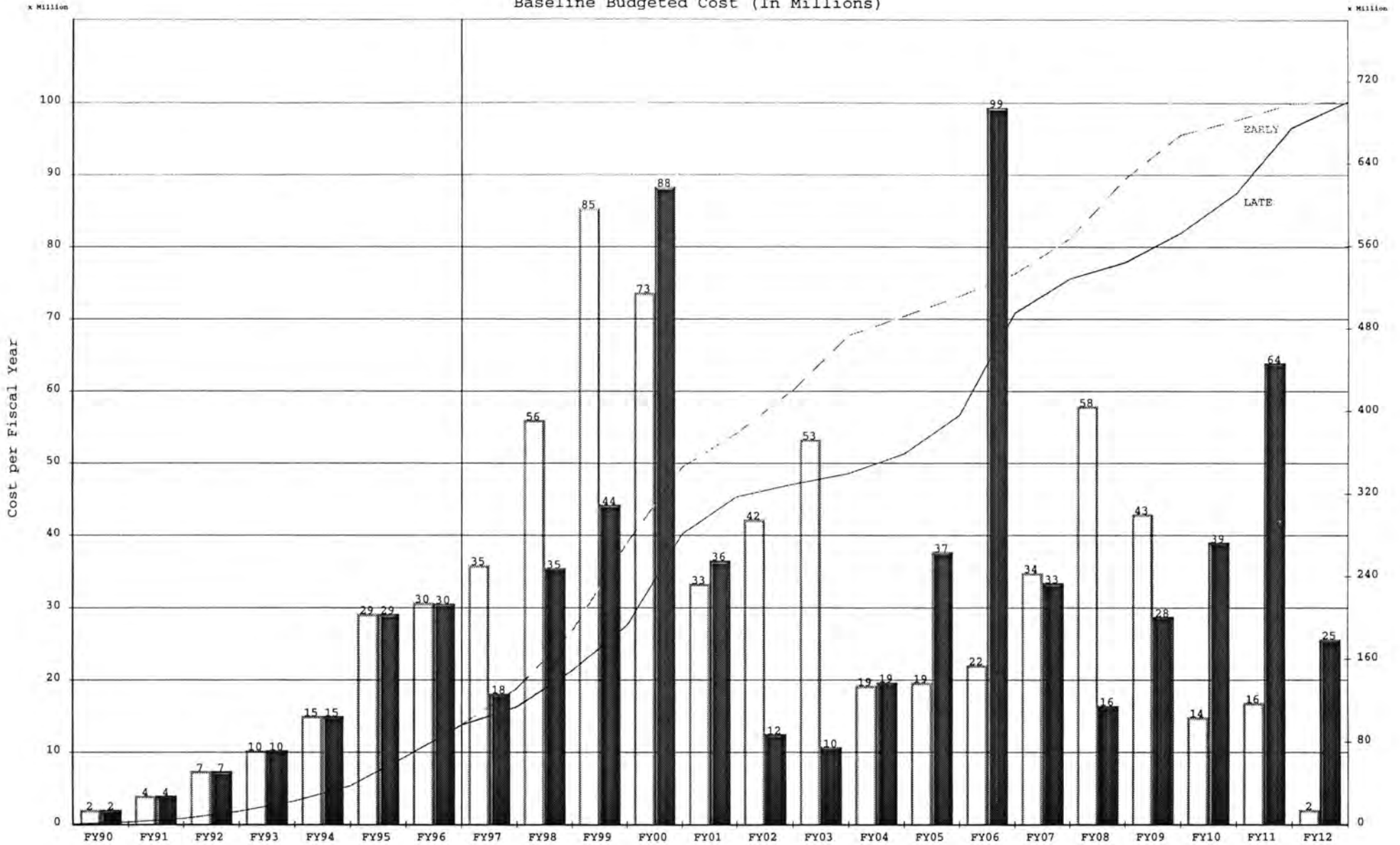
CSO Program Phase	Confirmed Baseline Budget	Life Costs AP-12	Remaining Baseline Budget	Project E.A.C.	% Baseline Expended
Cornerstone Projects	185,410,500	57,850,094	127,560,406	192,240,027	31.20%
Columbia Slough Projects	177,953,500	5,859,654	172,093,846	165,701,547	3.29%
Willamette Projects	336,636,000	2,588,304	334,047,696	342,058,426	0.77%
Totals (Revised FY95/96 Budget)	700,000,000	66,298,052	633,701,948	700,000,000	9.47%

Current Fiscal Year Program Costs

Revised FY Budget	FY Cost AP-12 (No I or O)	Remaining Revised FY Budget	FY E.A.C.	% FY Budget Expended
19,642,776	12,809,229	6,809,747	19,280,292	65.21%
8,153,344	4,181,397	3,971,947	6,706,294	51.28%
871,000	259,335	611,665	263,239	29.77%
28,667,120	17,249,961	11,393,359	26,249,825	60.17%



Baseline Budgeted Cost (In Millions)



Remaining Years

Project Start 1JUL87
 Project Finish 10DEC12
 Date Date 28JUN96
 Plot Date 10JUL96

□ Early dates
 ■ Late dates

CS20

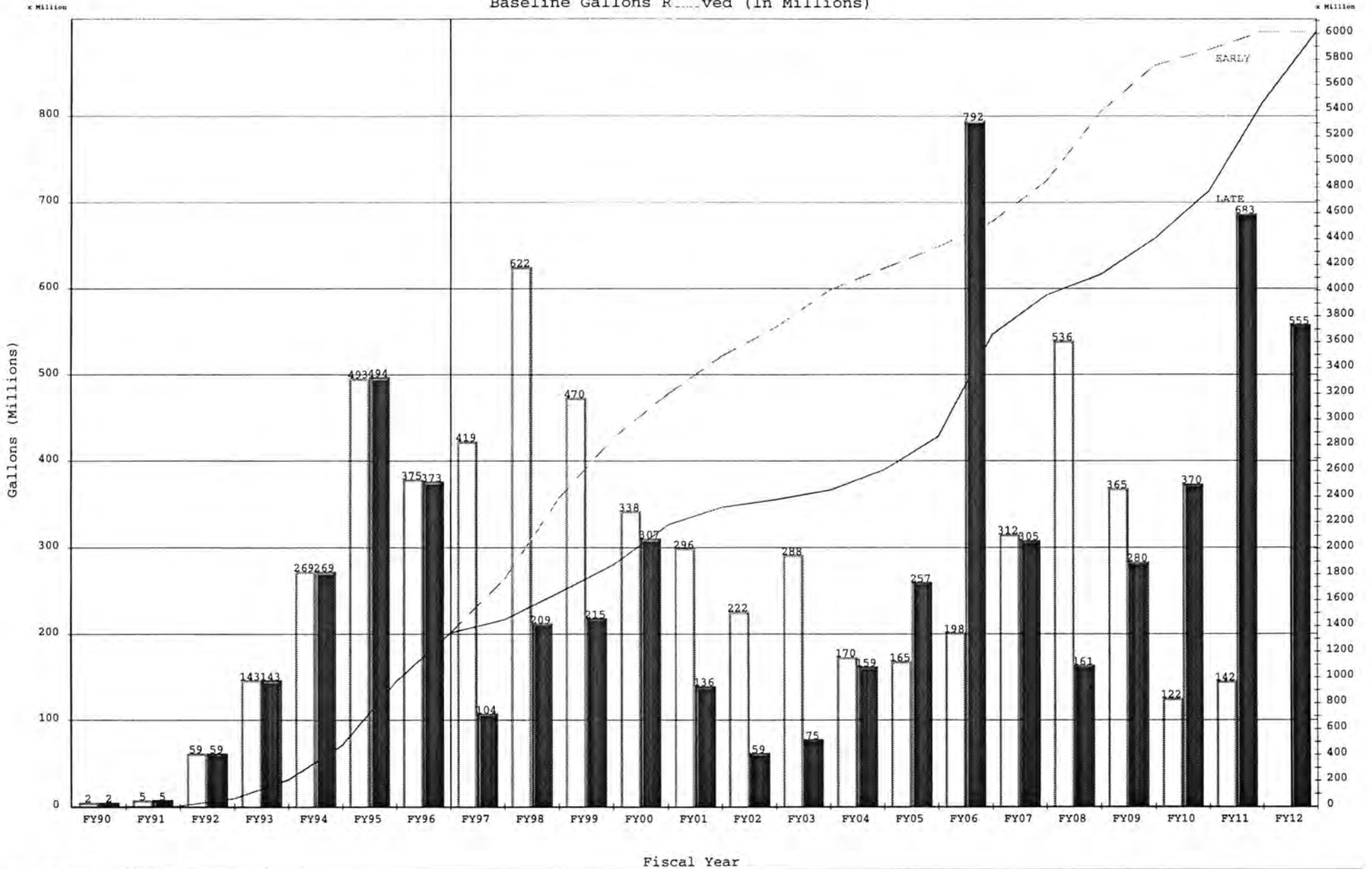
City of Portland
 CSO Program Master Schedule
 Total Fiscal Years' Cost Range

Sheet 1 of 1

• • DRAFT • •

Date	Revision	Checked	Approved

Baseline Gallons Removed (In Millions)



Project Start 12JUL87
 Project Finish 10DEC12
 Data Date 28JUN96
 Plot Date 10JUL96

Early Dates
 Late Dates

CS20

Fiscal Year

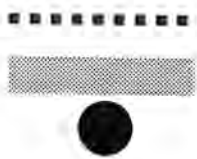
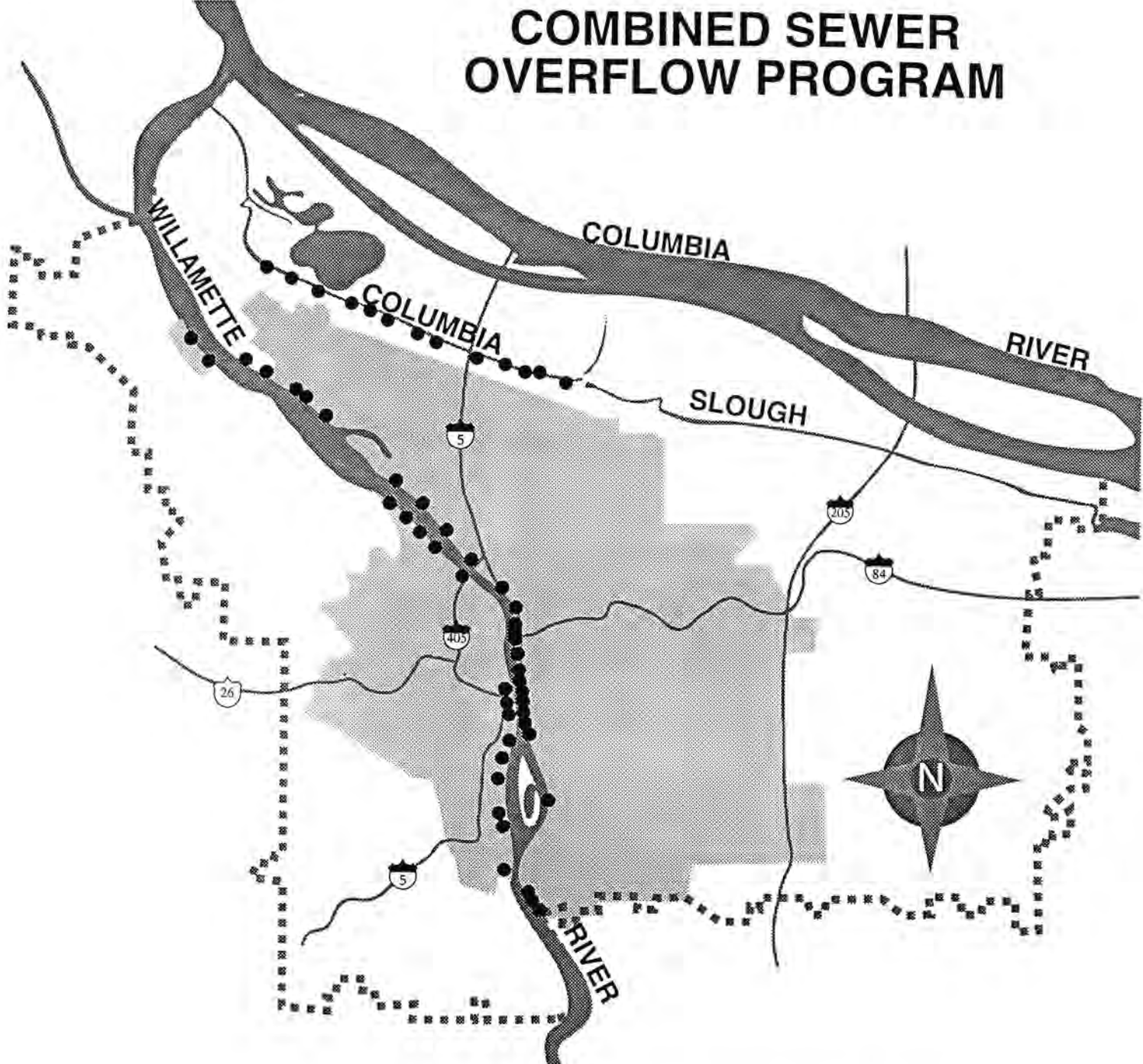
City of Portland
 CSO Program Master Schedule
 Total Gallons Removed

Sheet 1 of 1

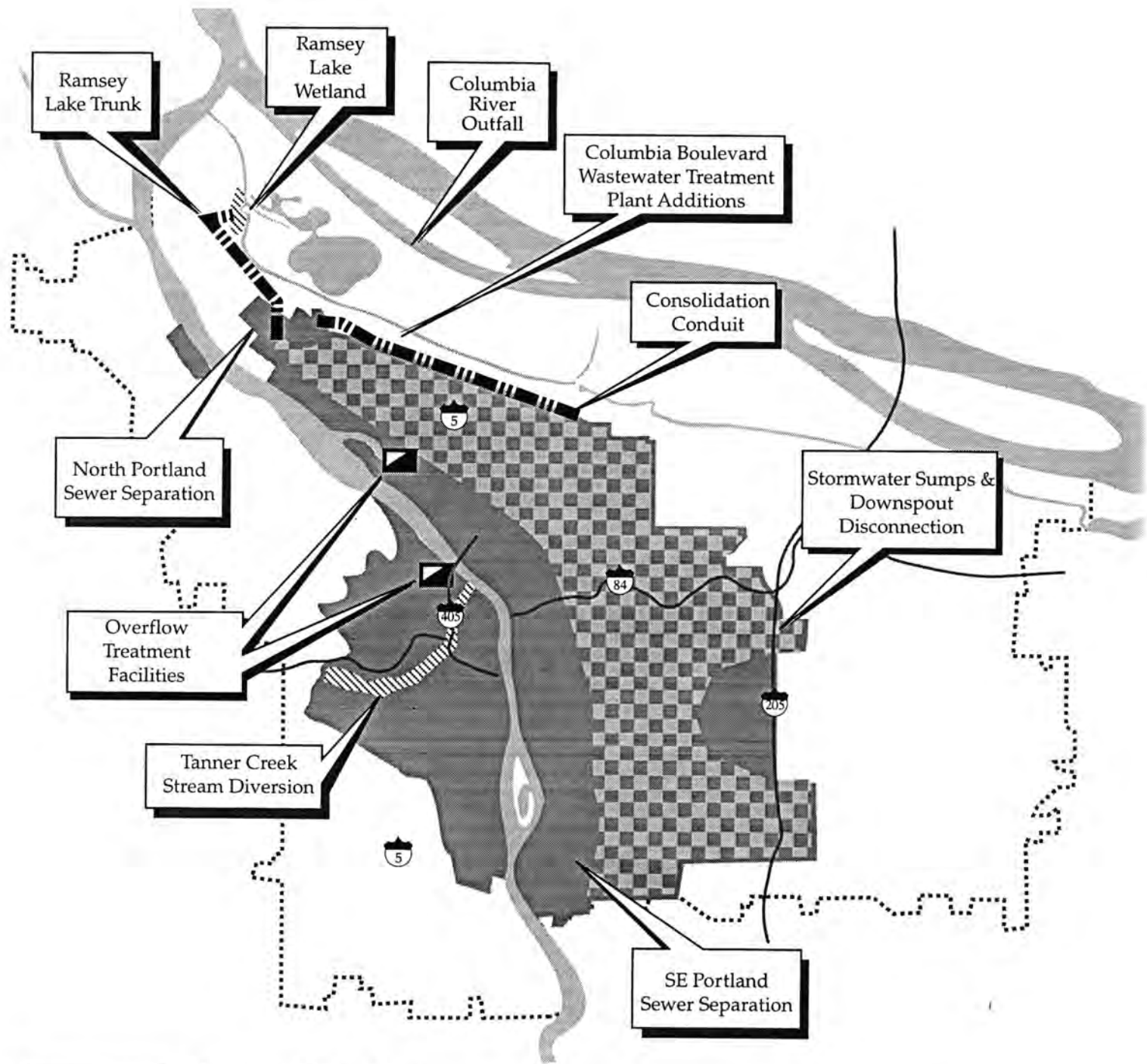
DRAFT





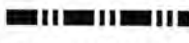

Date	Revision	Checked	Approved

COMBINED SEWER OVERFLOW PROGRAM

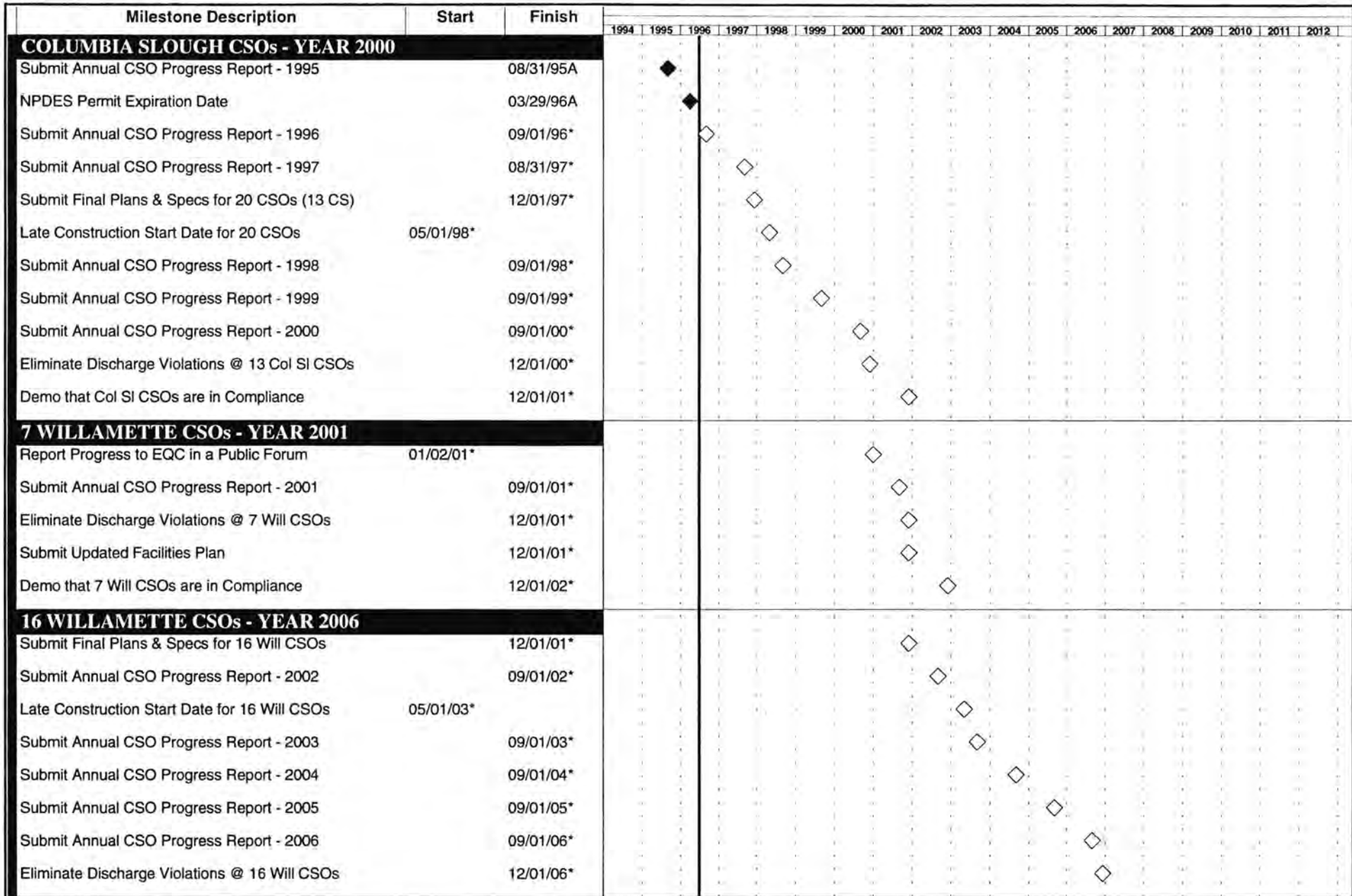


Portland Urban Services Boundary
Combined Sewer Area
Combined Sewer Outfalls



-  Combined Sewer Area
-  Urban Services Boundary
-  Downspout Disconnection & Stormwater Sump Area
-  Alternative Overflow Treatment Sites
-  Major Trunk Sewer Construction
-  Stream Diversion, Constructed Wetland





Project Start 07/01/87
 Project Finish 12/01/12
 Data Date 06/28/96
 Plot Date 07/10/96

Scheduled
 Progress Bar

CS20

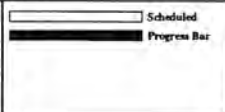
Portland Environmental Services
 CSO Implementation Plan
 Milestone Report

Sheet 1 of 1



Milestone Description	Start	Finish	1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012											
			Gantt chart area with diamond markers indicating milestones.											
Submit Updated Facilities Plan		12/01/06*	Gantt chart showing milestone at end of 2006.											
Demo that 16 Will CSOs are in Compliance		12/01/07*	Gantt chart showing milestone at end of 2007.											
REMAINING WILLAMETTE CSOs - YEAR 2011														
Submit Final Plans & Specs for Rest of Will CSOs		12/01/06*	Gantt chart showing milestone at end of 2006.											
Submit Annual CSO Progress Report - 2007		09/01/07*	Gantt chart showing milestone in early 2007.											
Late Construct. Start Date for Rest of Will CSOs	05/01/08*		Gantt chart showing milestone in early 2008.											
Submit Annual CSO Progress Report - 2008		09/01/08*	Gantt chart showing milestone in early 2008.											
Submit Annual CSO Progress Report - 2009		09/01/09*	Gantt chart showing milestone in early 2009.											
Report Progress to EQC in a Public Forum	01/02/10*		Gantt chart showing milestone in early 2010.											
Submit Facilities Plan for Post ASFO Term		09/01/10*	Gantt chart showing milestone in early 2010.											
Submit Annual CSO Progress Report - 2010		09/01/10*	Gantt chart showing milestone in early 2010.											
Submit Annual CSO Progress Report - 2011		09/01/11*	Gantt chart showing milestone in early 2011.											
Elim Discharge Violations @ Rest of Will CSOs		12/01/11*	Gantt chart showing milestone at end of 2011.											
Demo that Rest of Will CSOs are in Compliance		12/01/12*	Gantt chart showing milestone at end of 2012.											
POST NPDES CSO WORK														
Submit Annual CSO Progress Report - 2012		09/01/12*	Gantt chart showing milestone in early 2012.											

Project Start 07/01/07
Project Finish 12/01/12
Data Date 06/28/06
Plot Date 07/18/06



CS20

Sheet 2 of 2

Portland Environmental Services
CSO Implementation Plan
Milestone Report



SECTION II

PROJECT HIGHLIGHTS

PROJECT SUMMARIES

The following is a summary of the highlights for all active projects and ongoing CSO planning activities. For complete details of specific contracts, please refer to the PDX Monthly Status Reports included in SECTION VI of this report.

ACTIVE PROJECT STATUS

Stormwater Infiltration Sumps - Project # 5083

Project Manager: Michelle Lostra

Current Phase: Design & Construction

Percent Complete This Phase: 85%

Current Phase Schedule: On Schedule

Current Phase Budget: Within Budget

CIP Budget: \$49,756,500

Expenditures: \$21,546,407 **Projected Cost:** \$28,185,464

Designer: BES

Contractor: Multiple

Activities: This activity consists of many individual contracts throughout the CSO area. All basins in the Columbia Slough area have been sumped. Continuing with construction in the Willamette River Basin. Construction is underway for Insley Unit 1 Phase 1, Stark #4 and Willamette Test sumps.

Problems: *None*

MBE/WBE: Packaging projects into two phases to create contracting opportunities for emerging MBE/WBE firms. Phase 1 will construct sumps and test them as necessary, and phase 2 will construct the sedimentation manholes and inlet leads to the sumps.

Public Involvement: Attended Montavilla Neighborhood Association meeting to provide information about upcoming sump construction. Door to door notification will be a part of each construction project.

Downspout Disconnection Program - Project # 5161

Project Manager: Barbara George

Current Phase: Construction

Percent Complete This Phase: 18%

Current Phase Schedule: On Schedule

Current Phase Budget: Within Budget

CIP Budget: \$30,000,000

Expenditures: \$608,544

Projected Cost: \$25,000,000

Designer: BES

Contractor: NA

Activities: Staff continues to plan & organize larger program. Ongoing customer service. Continued disconnection activity. Disconnected 140 homes. Mailed 14,000 brochures. programs. Held numerous meetings with community groups.

Problems: none.

MBE/WBE: Working with M/W/ESB staff , Bureau of Purchasing, and City Attorney's Office to create a Sheltered Market and thus expand construction contract opportunities for historically underutilized firms..

Public Involvement: Sent program information to homes in Overlook, Arbor Lodge, Kenton, Portsmouth, and Piedmont. EnviroCorps continues to work with community groups to disconnect downspouts. Community groups also continue to canvass target neighborhoods. Active groups during June included: Alameda Neighborhood Association, Abernethy Middle School, Ockley Green Middle School, Mt. Olivet Church, Community Home Repair Partnership, and PSU/Urban Ecosystems Project. Met with University Park Neighborhood Association to discuss downspout disconnection, particularly in the mandatory area.

Ramsey Lake Constructed Wetland - Project # 5186

Project Manager: Mark Braun/Mark Hutchinson

Current Phase: Construction

Percent Complete This Phase: 95%

Current Phase Schedule: Behind Schedule

Current Phase Budget: Within Budget

CIP Budget: \$1,450,000

Expenditures: \$1,568,247

Projected Cost: \$3,000,000

Designer: L.C.Lee & Assoc.

Contractor: Coffman

Activities: Installed and tested irrigation system. Installed fence around site.

Problems: None

MBE/WBE: None

Public Involvement: None.

Fiske B Sewer Separation - Project # 5249

Project Manager: Michelle Lostra/Frank Buehler

Current Phase: Construction

Percent Complete This Phase: 0%

Current Phase Schedule: On Schedule

Current Phase Budget: Within Budget

CIP Budget: \$4,500,000

Expenditures: \$287,240

Projected Cost: \$2,500,000

Designer: David Evans & Associates

Contractor: JW Fowler

Activities: Preconstruction meeting held 6/27/96. NTP issued 7/02/96.

Problems: None.

MBE/WBE: None.

Public Involvement: Article about construction on Willamette Boulevard, as well as other CSO construction projects, appeared in Between the Rivers newspaper. Sent out advance notice of construction to residents and businesses in surrounding area. Met with University Park Neighborhood Association for a second time to provide information about construction and downspout disconnection.

St. John A Sewer Separation - Project # 5266

Project Manager: Lloyd Stauning/Frank Buehler

Current Phase: Construction

Percent Complete This Phase: 98%

Current Phase Schedule: On Schedule

Current Phase Budget: Within Budget

CIP Budget: \$4,800,000

Expenditures: \$3,231,879

Projected Cost: \$3,260,000

Designer: Century West Carollo

Contractor: Brundidge Construction

Activities: Closeout.

Problems: None.

MBE/WBE: None

Public Involvement: No more public involvement planned, since project is finishing up.

Ramsey Lake Trunk Sewer - Project # 5273

Project Manager: Lloyd Stauning/Mark Hutchinson

Current Phase: Construction **Percent Complete This Phase:** 0%

Schedule: On Schedule **Current Phase Budget:** Within Budget

CIP Budget: \$4,000,000 **Expenditures:** \$1,851,575 **Projected Cost:** \$3,700,000

Designer: BES **Contractor:** Brundidge Construction

Activities: City Council awarded contract to low bidder Brundidge Construction. Notice to proceed issued on March 27, 1996.

Problems: None

MBE/WBE: None

Public Involvement: Faxed and mailed construction update notices for North Lombard Road closures and for crossing N. Columbia Boulevard. No complaint calls were received in the Combined Sewer Overflow office. Re-alignment through Chimney Park will require that two trees be taken down. Before finalizing the new route, walked it with the chair of the St. Johns Neighborhood Association and got his verbal approval. Next step will be to write letter with detailed information about the trees to the chair. Surveyed immediate neighbors of Pier Park regarding their preference for construction through the park - in December or July. There were few neighbor objection and work can be done in late July without conflicts to field sports. Construction will therefore proceed through the park between July 15 and August 1.

Oregonian Separation - Project # 5291

Project Manager: Lloyd Stauning

Current Phase: Planning/Pre-Design **Percent Complete This Phase:** 70%

Current Phase Schedule: On Schedule **Current Phase Budget:** Within Budget

CIP Budget: \$2,600,000 **Expenditures:** \$5,677 **Projected Cost:** \$2,755,979

Designer: BES **Contractor:** NA

Activities: This project is still in the conceptual stages. No design or construction activity at this time. Schedule changed to meet EPA Grant requirements- Design to begin 10/1/96.

Problems: Decision to separate basin will require new budget.

MBE/WBE: None

Public Involvement: None, since project still in conceptual stages.

Oswego Separation - Project # 5292

Project Manager: Lloyd Stauning

Current Phase: Pre-Design

Percent Complete This Phase: 95%

Current Phase Schedule: On Schedule

Current Phase Budget: Within Budget

CIP Budget: \$6,300,000

Expenditures: \$17,933

Projected Cost: \$6,108,129

Designer: BES

Contractor: NA

Activities: Initial work on sewer alignments is underway. Survey work will start next month.

Problems: None

MBE/WBE: None

Public Involvement: Scheduled time on the St. Johns Neighborhood Association's August 12 agenda to provide initial notice and hear about any particular problems we should work to avoid.

Columbia Slough Outfall (CBWWTF) - Project # 5302

Project Manager: Len Lewis

Current Phase: Planning/Pre- Design

Percent Complete This Phase: 5%

Current Phase Schedule: On Schedule

Current Phase Budget: Within Budget

CIP Budget: \$22,685,000

Expenditures: \$118,909

Projected Cost: \$23,349,422

Designer: Montgomery Watson

Contractor: NA

Activities: Jaime de la Garza has been designated project Manager. Consultant preparing Project Manual & QA/QC Control Plan. Identified basic constraints and options for northern segment of Columbia River diffuser.

Problems: As result of Value Planning Study for Columbia Slough System we will review additional alternative to use existing 72" outfall with new diffuser in Oregon Slough.

MBE/WBE: Consultant is MBE.

Public Involvement: Public involvement plan under development.

Tanner Creek - Project # 5322

Project Manager: Mark Braun

Current Phase: Design

Percent Complete This Phase: 11%

Current Phase Schedule: On Schedule

Current Phase Budget: Within Budget

CIP Budget: \$21,025,000

Expenditures: \$580,479

Projected Cost: \$10,821,152

Designer: KCM

Contractor: NA

Activities: Phases 1 & 4 of this project are in final design. Phase 1, Unit 1 is under construction. Possible acceleration of entire project if \$10 million EPA Grant is obtained. \$1 Million EPA Grant will accelerate construction of trench sewer construction phase of Unit 1 (Phase 1, Unit 2).

Problems: Potential conflicts with noise and traffic issues.

MBE/WBE: None

Public Involvement: Working Group met to select community benefit opportunities and to have a detailed discussion of traffic management during construction on West Burnside. Door to door notification of businesses and residents on/near construction route complete. Spoke with all businesses along NW 17th regarding future tunneling work.

CBWWTF Facility Plan - Project #5325

Project Manager: Steve Simonson

Current Phase: Planning/Pre-Design

Percent Complete This Phase: 95%

Current Phase Schedule: On Schedule

Current Phase Budget: Over Budget

CIP Budget: \$0

Expenditures: \$723,454

Projected Cost: \$0

Designer: CH2M Hill

Contractor: NA

Activities: This activity to develop a facilities plan for updating the existing Columbia Boulevard WTP to accept the CSO flows is nearing completion.

Problems: None

MBE/WBE: None

Public Involvement: None

Columbia Slough Consolidation Conduit - Project # 5332

Project Manager: Jim Soli

Current Phase: Final Design

Percent Complete This Phase: 30%

Current Phase Schedule: On Schedule

Current Phase Budget: Within Budget

CIP Budget: \$84,000,000

Expenditures: \$4,883,531 **Projected Cost:** \$76,471,400

Designer: KCM

Contractor: NA

Activities: Completed 75% of design phase. Modified Plans east of I-5 to conform to UPRR approved alignment.

Problems: None

MBE/WBE: About 30% MBE/WBE participation.

Public Involvement: Project Steering Committee developed criteria for selecting community benefit opportunities for development as part of the project construction. Committee members met with representatives of the Kenton and Piedmont Neighborhood Associations to develop ideas for amenities. CSO Public Involvement Staff continued to work with design team landscape architect to begin design of amenities for further discussions with community. In addition, Staff began focused outreach with Office of Transportation, Park & Recreation Bureau and Environmental Services on issues raised by various amenities suggestions.

External stakeholder survey to be implemented in March in conjunction with other CSO Columbia Slough projects. Public involvement plan for design phase under development in coordination with other CBWTP CSO projects.

Sellwood Sewer Separation - Project # 5380

Project Manager: Michelle Lostra/Fahim Rahman

Current Phase: Prelim Design/Closeout

Percent Complete This Phase(Sumps): 100%

Current Phase Schedule: On Schedule

Current Phase Budget: Within Budget

CIP Budget: \$8,924,000

Expenditures: \$1,076,802 **Projected Cost:** \$8,571,112

Designer: BES

Contractor: NA

Activities: This project includes Projects 5459 & 5489. Project 5459 construction is complete. Project 5489 construction is complete and is in the closeout phase.

Problems: None

MBE/WBE: None

Public Involvement: None

Cathedral Park WOF - Project # 5478

Project Manager: Randy Miller

Current Phase: Construction

Percent Complete This Phase: 40%

Current Phase Schedule: On Schedule

Current Phase Budget: Within Budget

CIP Budget: \$630,000

Expenditures: \$7,299

Projected Cost: \$1,195,613

Designer: SERA Architects

Contractor: U.S. Pacific Builders

Activities: Stockpiled fill has been tested and found suitable for use in the final pond grading.

Problems: None

MBE/WBE: None

Public Involvement: None

Columbia Slough WWTF - Project # 5480

Project Manager: Vu Han

Current Phase: Pre-Design

Percent Complete This Phase: 30%

Current Phase Schedule: On Schedule

Current Phase Budget: Within Budget

CIP Budget: \$41,801,000

Expenditures: \$1,138,742

Projected Cost: \$45,669,498

Designer: CH2MHill/Century West/Carollo

Contractor: NA

Activities: CBWWTF: Stage II- Design Development.

Headworks: Stage I - Pre-Design.

Problems: None

MBE/WBE: None

Public Involvement: Public open house and workshop scheduled for May 14 for wet weather treatment facilities and CSO Headworks projects. Workshop to focus on public amenities at the plant. Notification mailing sent to nearly 14,000 North Portland residents and other key stakeholders. Presentation to CBWTP Citizen Advisory scheduled for May 22.

Overflow Treatment Facility (OTF) Siting Study - Project # 5481

Project Manager: Randy Miller

Current Phase: Planning/Pre-Design

Percent Complete This Phase: 100%

Current Phase Schedule: On Schedule

Current Phase Budget: Within Budget

CIP Budget: \$4,000,000

Expenditures: \$2,570,979

Projected Cost: \$2,600,000

Designer: BES

Contractor: NA

Activities: Continued work on appraisal of ADM property and environmental assessment.

Problems: None

MBE/WBE: None

Public Involvement: Public involvement plan is under development.

SECTION III

ACTIVITY HIGHLIGHTS

CSO ADMINISTRATION

The administration of the CSO program includes such activities as: personnel; facilities planning and maintenance; office equipment and supplies acquisition and maintenance; provision of sufficient administrative staff support; development of administrative procedures; records management; coordination of capital budgeting process and identification of additional sources of revenue; risk management; communication of program related issues; management of program management contract; and policy related activities.

This is an essential component of the CSO program as it encompasses most of the daily activities that take place in the program. Additionally, through its emphasis on budget, finance, and risk management, administrative activities have the ability to reduce costs of the entire program. The policy related activities have the ability to effect the way in which the program operates, its priorities, and the way in which it fits into other water quality initiatives both within the Bureau and in the State.

Major accomplishments during June:

- Completed work on CSO transition plan (Sverdrup to BES).
- Continued discussion of new Capital projects management organization and transition strategies.
- Continued hiring staff for this fiscal year.
- Compiled the monthly report.
- Managed program management contract.
- Continued processing historical CSO documents.
- Participated in process for selection of OCIP broker.
- Continued training CSO Team Members on use of DocuTrak.
- Resolved various technical issues with DocuTrak programmer.
- Completed year-end purchases as appropriate.
- Finalized council calendar and ordinance process for CSO.

Activities planned for July:

- Distribute office correspondence standards to team members.
- Hire an OCIP broker.
- Develop methods to reduce paper in CSO Office.
- Implement council calendar and ordinance process within CSO.
- Compile the monthly report.
- Manage program management contract.
- Continue processing historical CSO documents.
- Take delivery of three CSO vehicles.
- Finalize Capital Projects Management Organizational structure.

Activities planned for next 6 months:

- Finalize loss control and implementation plan for OCIP.
- Monitor, audit and make necessary revisions to DocuTrak System (ongoing).
- Continue to develop and distribute administrative procedures.
- Complete acquisition of new staff.
- Update scoreboard (on-going).
- Begin cataloging CSO Library.
- Complete indexing backlog of historical documents into DocuTrack.
- Identify steps to move to enhanced use of DocuTrack system for e-mail document distribution and routing.
- Input records retention schedules into DocuTrak system.
- Begin FY 97/98 Budget process.

PLANNING AND ENGINEERING

The Planning and Engineering Division (PAED) is responsible for the technical integrity and technical effectiveness of the CSO Program. It provides the technical guidance, technical oversight, and technical support (including the planning, engineering, and preliminary design) necessary to ensure that all CSO projects achieve the intended results and that the requirements of the Amended Stipulation and Final Order (ASFO) are achieved in the most cost-effective and efficient manner. Specific responsibilities include: hydrologic modeling, hydraulic modeling, water quality modeling, program level planning, program level engineering, regulatory compliance, groundwater issues management, NPDES permitting, design guidance/oversight, reporting/coordination of issues with DEQ, management of the CSO Program's CIP budget, CSO project performance evaluation, and special technical studies. (Note: Information on the hydrologic and hydraulic modeling activities of the PAED are detailed elsewhere in this report under Water Resources Modeling Team.)

Accomplishments during the month of June:

- Participated in the CBWTP NPDES permit renewal application development process.
- Participated in scope development activities related to the Willamette River Basin CSO Predesign (WRBP) professional services contract.
- Worked on Task 4.2 - Willamette River Characterization related to the Public Facilities Plan.
- Supported BES/ISWG/EI on the WRBP CSO characterization task.
- Provided technical review/support for ongoing Cornerstone and Columbia Slough projects.
- Participated in the CBWWTF Projects Value Planning Workshop.

Major tasks planned for July:

- Finalize the scope of work and RFP for the WRBP.
- Refine/implement work plan for the WRBP CSO Characterization Tasks.

- Develop a scope of work and plan for additional Willamette River physical and chemical monitoring and begin the additional monitoring.
- Continue discussions with DEQ regarding wet weather permitting of the Columbia Slough Basin overflows.
- Begin discussions with DEQ regarding wet weather permitting of the Willamette River Basin overflows relative to the WRBP.
- Support the preliminary engineering and design of the CCC, the CBWWTF Influent Pump Station, the CBWWTF, and the CBWWTF Outfall.
- Prepare Draft FY 96-97 SOW and Budget for the planning and engineering component of the CSO Program.
- Define role of CSO Planning & Engineering in the "new" BES organization.

Major tasks planned for the next 6 months:

- Resolve all issues and obtain agreement with DEQ regarding wet weather permitting of the Columbia Slough overflows.
- Develop issues with DEQ regarding wet weather permitting of the Willamette River Basin overflows.

PROGRAM ADVISORY AND REVIEW TEAM (PART)

The PART is a team of BES and other individuals with large public works and program experience dealing with management systems and involving complex issues. The Team serves as a resource to the Program Director.

Activities during June:

- Reviewed and discussed a variety of issues.
- Began development of the FY96 CSO Program Review and conducted 20 staff interviews as part of the review process.

Activities planned for July:

- Continue discussion of current issues.
- Complete the FY96 CSO Program Review and prepare the annual report.

PROGRAM CONTROLS

The Program Controls Department for the CSO Program is to provide project managers and upper management with timely information and analysis with which to manage various facets of this complex program. CSO Program Controls has developed PDX, a management information system which links data from relational databases. This data is utilized and modified as necessary. Custom screens and reports have been prepared for maintaining and viewing this information.

Accomplishments for June:

- Issued May Monthly Report.
- Complete preliminary scope for new computerized Project Management system.
- Utilizing PM input, implemented new scheduling input screen for PDX.
- Obtained surplus black & white plotter for PacWest personnel use.
- Designed and prepared several graphic plots & charts for management briefings.
- Reviewed draft Program budget escalation document.

July tasks planned:

- Issue June Monthly Report.
- Begin training Tech III for Cost Analyst position.
- Complete PC and network enhancements for new Cost Analyst's PC.
- Obtain vendor comments on preliminary Project Management software system specifications.
- Issue Program budget escalation document.
- Provide interim support to BES Program Controls.
- Begin to develop vision for Program/Project Controls for BES/CSO.
- Monitor and advise Accounting Department regarding FY95-96 closeout and FY96-97 startup process.

Tasks planned for next 6 months:

- Complete transition plan for consolidated BES Program/Project Controls group.
- Hook-up surplus black and white plotter to network at PacWest.
- Continue to train new Program Cost Analyst (City position).
- Hire new Program Scheduler (City position).

PROGRAM MANAGEMENT

Program Management provides a systematic approach to planning, managing, and carrying out the CSO Program to meet the Amended Stipulation and Final Order. The Bureau has been reorganized and has established a new Capital Projects Management group responsible for managing all capital projects. The CSO Program will be merged into the new Capital Projects group.

Major Accomplishments achieved during June:

- Obtained Council approval of design contract for new Influent Pump Station.
- Continued work on Construction Management Plan and procedures for Columbia Slough projects.
- Presented update on CM Plan to PART.

- Conducted a Value Planning Study of the proposed wet weather treatment facilities at the Columbia Boulevard Wastewater Treatment Plant.

Major Tasks Planned for July:

- Finalize RFP and advertise for consultant to perform Willamette River Predesign services.
- Organize the new Capital Projects Management group.

Significant CSO Activities Planned for Next 6 Months:

- Evaluate the results of the Value Planning Study for implementation.
- Select consultant and commence work on Willamette River Predesign. Carry out the Construction Management Plan for the CSO Program.
- Complete design of the Columbia Slough Consolidation Conduit.
- Develop Contracting Strategy for all Columbia Slough projects.

PUBLIC INVOLVEMENT

Public involvement will help build support for the City's Clean Rivers Initiative. It will keep the public informed of the CSO program progress, and allow for community participation in decisions affecting program development. It will provide for the forging of partnerships with citizens and civic organizations to ensure successful completion of the program.

In JUNE, the following tasks were accomplished:

- Began process to hire replacement for BES Community Relations Assistant position, to be vacated in mid-August with the departure of Heather Clish.
- Mailed fact sheet and survey to North Portland residents and businesses on Columbia Slough Conduit progress and community benefit opportunity choices.
- Installed CSO information kiosk at REI Jantzen Beach store. Current use of kiosks: 50 times a day at Lloyd Center; 30 times daily at OMSI and REI Jantzen Beach.
- Began promotion of CSO Video, currently available at Blockbuster outlets for free rental, with advertisements in *Oregonian* and *Willamette Week*.
- Completed evaluation of CSO public involvement strategy and work plan.
- Made presentations to CBWTP citizen advisory committee on Columbia River Outfall and other CSO projects in the treatment plant site area.
- Completed 1995-96 Speakers Bureau season, with three presentations in June, and a total of 40 for the season, not including schools presentations.

In JULY, the following tasks are planned:

- Issue new Columbia Slough CSO projects publication, aimed at all residents in the projects' impact area, to inform of design and construction progress.
- Complete stakeholder survey for CSO Columbia River Outfall project.

- Begin tours on the H2O floating classroom on the Willamette River for community opinion leaders.
- Report results of CSO public involvement program evaluation to BES/CSO management; upon approval, begin program revisions, including reshaping of public information tools and materials.
- Hire replacement for community relations assistant position.
- Mail survey to NW Portland residents to gain input on community benefit opportunities for Tanner Creek Diversion project.
- Determine recommended list of community benefit opportunities for Columbia Slough Consolidation Conduit project.
- With assistance of BES Communications, organize and conduct interview of Dean Marriott by *Northwest Examiner* (NW District neighborhood newspaper) on Tanner Creek project.
- Place kiosk in Portland Public Service Building.

During next six months:

- Continue development and coordination of CSO public involvement transition program with BES Communications.
- Implement revised CSO public involvement strategy

TECHNICAL REVIEW AND APPROVAL TEAM (TRAT)

The TRAT is a team of senior BES engineers and outside experts in system operation and maintenance, engineering and construction formed to take an active role in the process of approvals needed to move projects through their various phases of development.

Activities during June:

- Reviewed the overall Columbia Slough design process with emphasis on the array of suggestions generated by the design staff VE/PEER Review process.
- Reviewed overall process and status of the sump project element of Cornerstone Program.

Activities planned for July:

- Continue review of various Columbia Slough technical and design issues.

WATER RESOURCES MODELING TEAM

The Water Resources Modeling Team provides expert assistance in water resources modeling for the Bureau's water quality programs. Using computer models to simulate the City's sewer systems, the Team supports design efforts, provides information on sewer system hydraulics, and contributes services in CSO, stormwater, and water quality modeling. Efforts are underway to

enhance modeling services with detailed maps, user interfaces to help designers utilize the computer models, and links to other information sources to improve efficiency and quality.

Major accomplishments and events during May & June:

- Reviewed calibration results for Insley/Taggart basin relief project, including analysis of subcatchment characterization methods using MapInfo GIS.
- Began Sellwood Sump/Separation Analysis.
- Evaluated BES Water Quality Storm.
- Performed preliminary design of Fiske B water quality structures.
- Performed "final" CSCC sizing simulations.
- Completed revision of NE 13th Inline Storage with vortex valves and new criteria
- Continued development of Model Training Manual.
- Continued development of HydraTab and Model Librarian with documentation.

Upcoming Tasks for July:

- Perform First Pass of Model-MapInfo/Database Reconciliation and Updates.
- Develop/Examine updated subcatchment characteristics from Public Facilities Plan.
- Complete final beta version of HydraTab with documentation and release for testing.
- Complete implementation of special surcharge routine (V-Route) in PDX SWMM.
- Perform BES Project Manager's Training for CSO Models.
- Review Insley/Taggart Alternatives Modeling.
- Complete First Phase of Sellwood Sump/Separation Analysis.




Upcoming Tasks for August 1996 - December:

- Perform Model Updates, Calibration and Analysis for Public Facilities Plan.
- Perform Analysis of Expanded Cornerstone Projects & Inline Storage for Willamette River CSO Predesign.
- Complete development of Training Program & Manuals.
- Complete CSO Modeling Guidelines and QA/QC Procedure.
- Complete updates / improvements to PDX SWMM 4.3.
- Complete new Model Map and Database Management System.

SECTION IV

SCHEDULES

Completed Projects Show Overall Summary	PM	%	Current Start	Current Finish	Baseline Start	Baseline Finish																	
							FY93	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09
COLUMBIA SLOUGH CSOs - YEAR 2000																							
+ 1005-CSO Program Support																							
	LXA	100	07/01/95A	08/31/95A																			
+ 5083.4630 NE 13th Ave Basin Phase 5																							
	MWL	100	09/29/89A	04/24/92A	09/29/89A	04/24/92A																	
+ 4758-(P) N. Vancouver Basin Sump #1																							
	MWL	100	08/20/90A	07/31/92A	08/20/90A	07/31/92A																	
+ 5083.4930-NE 13th Ave Sump #1																							
	MWL	100	11/01/91A	08/14/92A	11/01/91A	08/14/92A																	
+ 4758.4947-N Vancouver Basin Sump #2																							
	MWL	100	01/01/92A	07/31/92A	01/01/92A	07/31/92A																	
+ 5083.4948-NE 13th Ave Sump #2																							
	MWL	100	01/15/91A	08/19/92A	01/15/91A	08/19/92A																	
+ 4348.4992-SFO Compliance - CSO Monitoring																							
	HGS	100	04/03/92A	11/06/92A	04/03/92A	11/06/92A																	
+ 5083.5012-NE 13th Ave Sump #3																							
	MWL	100	06/22/92A	03/11/93A	06/22/92A	03/11/93A																	
+ 5083.5013-NE 13th Ave Sump #4																							
	MWL	100	06/22/92A	03/16/93A	06/22/92A	03/16/93A																	
+ 5083.5019-NE 13th Ave Sump #5																							
	MWL	100	07/17/92A	03/31/93A	07/17/92A	03/31/93A																	
+ 5083.5020-Fiske A Basin Sump #1																							
	MWL	100	07/17/92A	10/12/93A	07/17/92A	10/12/93A																	
+ 5083.5021-NE 13th Ave Sump #6																							
	MWL	100	07/17/92A	06/26/93A	07/17/92A	06/26/93A																	
+ 5083.5026-NE 13th Ave. Sump #7																							
	MWL	100	07/23/92A	08/03/93A	07/23/92A	08/03/93A																	
+ 5083.5058-NE 13th Ave Sump #8																							
	MWL	100	09/18/92A	06/14/95A	09/18/92A	06/14/95A																	
+ 5083.5059-NE 13th Ave Sump #11																							
	MWL	100	09/18/92A	07/13/93A	09/18/92A	07/13/93A																	
+ 5083.5060-NE 13th Ave Sump #9																							
	MWL	100	09/18/92A	07/13/93A	09/18/92A	07/13/93A																	
+ 5083.5061-NE 13th Ave Sump #10																							
	MWL	100	09/18/92A	08/19/93A	09/18/92A	08/19/93A																	
+ 5083.5070-NE 13th Ave Sump #12																							
	MWL	100	10/12/92A	08/18/93A	10/12/92A	08/18/93A																	
+ 5083.5071-NE 13th Ave Sump #13																							

Project Start	07/01/97		Scheduled
Project Finish	12/01/12		Baseline
Date Date	06/28/96		Progress Bar
Plot Date	07/18/96		

CS20

Portland Environmental Services
CSO Implementation Plan
Phase Summary Schedule



Completed Projects Show Overall Summary		PM	Current %	Current Start	Current Finish	Baseline Start	Baseline Finish																						
								FY93	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14
		MWL	100	10/19/92A	07/17/93A	10/19/92A	07/17/93A																						
+ 5083.5072-NE 13th Ave Sump #14																													
		MWL	100	10/19/92A	10/24/93A	10/19/92A	10/24/93A																						
+ 5083.5073-NE 13th Ave Sump #15																													
		MWL	100	10/19/92A	10/20/93A	10/19/92A	10/20/93A																						
+ 5083.5074-NE 13th Ave Sump #16																													
		MWL	100	10/19/92A	08/13/93A	10/19/92A	08/13/93A																						
5083-(P) CSO Drainage Sump Program																													
+ Construction																													
		MWL	31	09/29/89A	12/01/11	01/23/95A	11/02/95																						
+ Basin Wide Activities																													
		MWL	100	01/23/95A	07/29/96	01/23/95A	11/02/95																						
+ 5086-(P) Columbia Slough Screening/Outfall Pipe																													
		ETS	100	10/23/92A	08/11/94A	10/23/92A	10/16/95																						
+ 5083.5112-North Portland Sumps																													
		MWL	100	12/17/92A	04/16/93A	12/17/92A	04/16/93A																						
+ 5083.5113-Fiske A Basin Sumps #2 & #3																													
		MWL	100	11/15/93A	03/15/95A	11/15/93A	03/15/95A																						
+ 5083.5114-Fiske A Basin Sump #3																													
		MWL	100	11/15/93A	06/30/94A	11/15/93A	03/15/95A																						
5083.5115-Fiske A Basin Sump #4																													
+ Planning/Pre-design																													
		MWL	100	07/01/94A	12/26/94A	07/01/94A	12/26/94A																						
+ Design																													
		MWL	100	12/27/94A	03/17/95A	12/27/94A	03/17/95A																						
+ Advertise thru NTP																													
		MWL	100	05/10/95A	06/08/95A	05/10/95A	06/08/95A																						
+ Construction																													
		MWL	100	06/08/95A	10/02/95A	06/08/95A	10/02/95																						
+ Closeout/Startup																													
		MWL	89	10/02/95A	07/29/96	10/03/95	11/02/95																						
+ 5083.5120-Willamette Basin Sumps																													
		MWL	100	01/14/93A	06/03/93A	01/14/93A	06/03/93A																						
+ 5083.5123-North Portland Sumps Phase 2																													
		MWL	100	02/11/93A	04/24/93A	02/11/93A	04/24/93A																						
+ 5083.5124-Test Sumps #4, #5 & #6																													
		MWL	100	01/14/93A	07/09/93A	01/14/93A	07/09/93A																						
+ 5083.5125-Test Sumps #1 & #2																													

Project Start 07/01/87
 Project Finish 12/01/12
 Data Date 06/28/96
 Plot Date 07/18/96

Scheduled
 Baseline
 Progress Bar

CS20

Portland Environmental Services
 CSO Implementation Plan
 Phase Summary Schedule

Sheet 1 of 23



Completed Projects		PM	%	Current Start	Current Finish	Baseline Start	Baseline Finish	FY93	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14
Show Overall Summary		MWL	100	01/14/93A	06/03/93A	01/14/93A	06/03/93A																						
+ 5147.5155-St Johns B Basin Sumps		JKS	100	04/15/93A	07/11/93A	04/15/93A	07/11/93A																						
5161-(P) Downspout Disconnect Program																													
+ Planning/Predesign		BFG	100	01/16/95A	05/01/95A	01/16/95A	05/31/95A																						
+ Construction		BFG	19	07/01/95A	12/01/99	06/30/95	12/01/99																						
+ Closeout/Startup		BFG	0	12/02/99	03/31/00	12/02/99	03/31/00																						
+ Basin Wide Activities			87	03/10/95A	09/30/96	03/10/95A	01/04/96																						
+ 5083.5164-Albina Basin Sump #1		MWL	100	05/10/93A	01/13/94A	05/10/93A	01/13/94A																						
+ 5083.5165-Albina Basin Sumps #2 - #4		MWL	100	05/10/93A	03/01/94A	05/10/93A	03/01/94A																						
+ 5083.5166-Albina Basin Sump #3		MWL	100	05/06/93A	06/30/94A	05/10/93A	05/10/93A																						
+ 5083.5167-Albina Basin Sump #4		MWL	100	05/06/93A	06/30/94A	05/10/93A	05/10/93A																						
+ 5083.5168-Albina Basin Sump #5		MWL	100	05/10/93A	01/11/94A	05/10/93A	01/11/94A																						
+ 5083.5169-Albina Basin Sump #6		MWL	100	05/10/93A	03/22/94A	05/10/93A	03/22/94A																						
+ 5083.5170-Fenwick Basin Sump #1		MWL	100	05/10/93A	01/27/94A	05/10/93A	01/27/94A																						
5186-(P) Ramsey Lake Constructed Wetland																													
+ Planning/Predesign		MAB	100	07/01/94A	11/22/94A	07/01/94A	11/22/94A																						
+ Design		MAB	100	11/22/94A	05/22/95A	11/22/94A	05/22/95A																						
+ Advertise thru NTP		MAB	100	06/12/95A	08/24/95A	06/12/95A	08/14/95																						
+ Construction		MAB	87	08/25/95A	08/15/96	08/23/95	02/29/96																						
+ Closeout/Startup		MAB	0	07/30/96	08/18/98	03/01/96	06/28/96																						
+ Land Acquisition																													

Project Start 07/01/97
Project Finish 12/01/12
Data Date 06/28/96
Print Date 07/18/96

Scheduled
Baseline
Progress Bar

CS20

Sheet 3 of 23

Portland Environmental Services
CSO Implementation Plan
Phase Summary Schedule



Completed Projects Show Overall Summary	PM	%	Current Start	Current Finish	Baseline Start	Baseline Finish	FY93 FY94 FY95 FY96 FY97 FY98 FY99 FY00 FY01 FY02 FY03 FY04 FY05 FY06 FY07 FY08 FY09 FY10 FY11 FY12 FY13 FY14													
							Gantt chart area with bars representing project progress across fiscal years.													
MAB	97	09/01/93A	07/29/96	09/01/93A	02/06/96	[Gantt bars for MAB project]														
+ 5212-Columbia/Lombard Interceptor Sewer Study							[Gantt bars for 5212 project]													
DTM	100	07/01/93A	06/30/94A	07/01/93A	06/30/94A	[Gantt bars for 5212 sub-project]														
+ 5083.5231-Kenton Basin Sumps #1 - #3							[Gantt bars for 5083.5231 project]													
MWL	100	08/11/93A	03/15/94A	08/11/93A	03/15/94A	[Gantt bars for 5083.5231 sub-project]														
+ 5083.5232-Kenton Basin Sump #4							[Gantt bars for 5083.5232 project]													
MWL	100	08/11/93A	06/18/94A	08/11/93A	06/18/94A	[Gantt bars for 5083.5232 sub-project]														
+ 5083.5240-Bayard Basin Sump #1							[Gantt bars for 5083.5240 project]													
MWL	100	08/26/93A	04/15/94A	08/26/93A	04/15/94A	[Gantt bars for 5083.5240 sub-project]														
+ 5083.5241-Bayard Basin Sumps #2 - #3							[Gantt bars for 5083.5241 project]													
MWL	100	08/26/93A	07/15/94A	08/26/93A	07/15/94A	[Gantt bars for 5083.5241 sub-project]														
+ 5083.5242-Bayard Basin Sump #4							[Gantt bars for 5083.5242 project]													
MWL	100	08/26/93A	05/27/94A	08/26/93A	05/27/94A	[Gantt bars for 5083.5242 sub-project]														
+ 5083.5243-Bayard Basin Sumps #5 - #6							[Gantt bars for 5083.5243 project]													
MWL	100	08/27/93A	07/20/94A	08/27/93A	07/20/94A	[Gantt bars for 5083.5243 sub-project]														
+ 5083.5244-Chautauqua Basin							[Gantt bars for 5083.5244 project]													
MWL	100	08/27/93A	07/22/94A	08/27/93A	07/22/94A	[Gantt bars for 5083.5244 sub-project]														
5266-St. Johns A Basin							[Gantt bars for 5266 project]													
+ Planning/Pre-design							[Gantt bars for 5266 Planning/Pre-design]													
LCS	100	11/02/93A	09/06/94A	11/02/93A	09/06/94A	[Gantt bars for 5266 sub-project]														
+ Design							[Gantt bars for 5266 Design]													
LCS	100	09/06/94A	02/16/95A	09/06/94A	02/16/95A	[Gantt bars for 5266 sub-project]														
+ Advertise thru NTP							[Gantt bars for 5266 Advertise thru NTP]													
LCS	100	02/20/95A	06/07/95A	02/20/95A	06/07/95A	[Gantt bars for 5266 sub-project]														
+ Construction							[Gantt bars for 5266 Construction]													
LCS	100	06/07/95A	02/23/96A	06/07/95A	02/28/96	[Gantt bars for 5266 sub-project]														
+ Closeout/Startup							[Gantt bars for 5266 Closeout/Startup]													
LCS	75	02/23/96A	08/30/96	02/29/96	07/01/96	[Gantt bars for 5266 sub-project]														
St Johns A Sewer Separation Phase 2 (Downspouts)							[Gantt bars for St Johns A project]													
+ Construction							[Gantt bars for St Johns A Construction]													
BFG	0	03/03/97	05/07/98	07/02/96	09/09/97	[Gantt bars for St Johns A sub-project]														
5213.5273-Ramsey Lake Storm Trunk							[Gantt bars for 5213.5273 project]													
+ Planning/Pre-design							[Gantt bars for 5213.5273 Planning/Pre-design]													
LCS	100	11/02/93A	04/22/94A	11/02/93A	04/22/94A	[Gantt bars for 5213.5273 sub-project]														
+ Design							[Gantt bars for 5213.5273 Design]													
LCS	100	04/23/94A	12/29/95A	04/23/94A	08/14/95	[Gantt bars for 5213.5273 sub-project]														
+ Advertise thru NTP							[Gantt bars for 5213.5273 Advertise thru NTP]													
LCS	100	01/02/96A	03/27/96A	08/15/95	10/30/95	[Gantt bars for 5213.5273 sub-project]														
+ Construction							[Gantt bars for 5213.5273 Construction]													

Project Start: 07/01/87
 Project Finish: 12/01/12
 Data Date: 06/29/96
 Plot Date: 07/10/96

Legend:
 [White Box] Scheduled
 [Grey Box] Baseline
 [Black Box] Progress Bar

CS20

Portland Environmental Services
 CSO Implementation Plan
 Phase Summary Schedule

Sheet 4 of 23



Completed Projects							PM	Current %	Current Start	Current Finish	Baseline Start	Baseline Finish																						
Show Overall Summary							LCS	31	03/27/96A	01/31/97	10/31/95	07/01/96																						
													FY93	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14
+ Closeout/Startup							LCS	0	01/31/97	02/11/97	07/02/96	09/30/96																						
5291-Oregonian CSO Project																																		
+ Planning/Predesign							LCS	87	11/01/94A	09/30/96	11/01/94A	01/30/97																						
+ Design							LCS	0	10/01/96	04/02/97	01/31/97	06/30/97																						
+ Advertise thru NTP							LCS	0	04/03/97	06/30/97	07/01/97	09/29/97																						
+ Construction							LCS	0	07/01/97	04/08/98	09/30/97	09/22/98																						
+ Closeout/Startup							LCS	0	04/09/98	08/06/98	09/01/98	12/31/98																						
5292-Oswego Basin																																		
+ Planning/Predesign							LCS	92	07/03/95A	07/29/96	06/03/96	07/31/96																						
+ Design							LCS	0	07/30/96	02/28/97	08/01/96	12/27/96																						
+ Advertise thru NTP							LCS	0	03/03/97	05/16/97	12/30/96	03/27/97																						
+ Construction							LCS	0	05/19/97	05/15/98	03/28/97	04/01/98																						
+ Closeout/Startup							LCS	0	05/18/98	08/19/98	04/02/98	06/29/98																						
Oswego Sewer Separation Phase 2 (Downspouts)																																		
+ Construction							BFG	0	08/20/98	08/14/00	06/30/98	06/22/00																						
5302-Col. WWTF Outfall																																		
+ Planning/Predesign							JDG	86	07/01/94A	12/03/96	07/01/94A	02/01/96																						
+ Design							JDG	0	12/04/96	11/21/97	02/02/96	09/26/97																						
+ Advertise thru NTP							JDG	0	11/24/97	02/13/98	09/29/97	01/28/98																						
+ Construction							JDG	0	02/17/98	07/20/99	01/29/98	01/18/00																						
+ Closeout/Startup							JDG	0	07/21/99	08/03/99	01/19/00	04/27/00																						

Project Start 07/01/97
 Project Finish 12/01/12
 Date Date 06/26/96
 Plot Date 07/10/96

Scheduled
 Baseline
 Progress Bar

CS20

Portland Environmental Services
 CSO Implementation Plan
 Phase Summary Schedule

Sheet 5 of 23



Completed Projects		PM	Current	Current	Baseline	Baseline																						
Show Overall Summary		%	Start	Finish	Start	Finish	FY93	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14
5323-SLRT Calibration																												
+ Planning/Pre-design																												
	EKL	71	02/15/94A	06/30/97	02/15/94A	06/30/97																						
5332-Columbia Slough Consolidation Conduit																												
+ Planning/Pre-design																												
	JKS	100	08/05/94A	01/08/96A	08/05/94A	09/29/95																						
+ Design																												
	JKS	43	01/08/96A	01/31/97	08/08/94A	10/23/96																						
+ Advertise thru NTP																												
	JKS	0	02/03/97	05/30/97	10/24/96	03/26/97																						
+ Construction																												
	JKS	0	06/02/97	07/05/00	03/27/97	06/30/00																						
+ Closeout/Startup																												
	JKS	0	04/12/00	09/13/00	07/03/00	11/28/00																						
+ 5083.5343-NE 13th Ave Sump #17																												
	MWL	100	05/24/94A	06/21/95A	05/24/94A	06/21/95A																						
+ 5083.5344-Vancouver Basin Sump #3																												
	MWL	100	05/26/94A	01/25/95A	05/26/94A	01/25/95A																						
+ 5457-Columbia Slough WWTF Fac Site Plan																												
	SES	100	08/01/94A	12/29/95A	08/01/94A	08/04/95																						
5480-Columbia Slough WWTF																												
+ Planning/Pre-design																												
	VXH	100	08/01/94A	04/12/96A	08/01/94A	04/26/96																						
+ Design																												
	VXH	21	03/15/96A	07/21/97	04/29/96	10/01/97																						
+ Advertise thru NTP																												
	VXH	0	07/21/97	11/03/97	10/02/97	04/30/98																						
+ Construction																												
	VXH	0	11/04/97	07/18/00	05/01/98	04/25/00																						
+ Closeout/Startup																												
	VXH	0	03/27/00	10/13/00	04/26/00	10/13/00																						
5480-Columbia Slough WWTF Headworks																												
+ Planning/Pre-design																												
	VXH	80	10/16/95A	09/04/96																								
+ Conditional Use Hearings																												
	VXH	37	02/06/96A	03/11/97																								
+ Design																												
	VXH	0	09/05/96	07/23/97																								
+ Advertise thru NTP																												

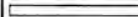


Project Start	07/01/97		Scheduled
Project Finish	12/01/12		Baseline
Data Date	06/26/96		Progress Bar
Plot Date	07/18/96		

CS20

**Portland Environmental Services
CSO Implementation Plan
Phase Summary Schedule**



Completed Projects		PM	Current %	Current Start	Current Finish	Baseline Start	Baseline Finish																							
Show Overall Summary								FY93	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14	
		VXH	0	07/23/97	11/05/97																									
+ Construction		VXH	0	11/06/97	01/31/00																									
+ Closeout/Startup		VXH	0	02/01/00	04/27/00																									
5481-Willamette Site Acquisition																														
+ Planning/Predesign		RJM	75	01/02/95A	12/31/96	01/02/95A	09/29/95																							
+ Land Acquisition		RJM	94	11/02/95A	07/15/96																									
5499-Columbia Slough WWTF Infnt Pump Station																														
+ Planning/Predesign		VXH	91	11/06/95A	07/22/96	01/02/96	08/02/96																							
+ Design		VXH	0	07/01/96	07/07/97	08/05/96	01/09/98																							
+ Advertise thru NTP		VXH	0	07/08/97	12/08/97	01/12/98	08/28/98																							
+ Construction		VXH	0	12/09/97	02/12/99	08/31/98	12/27/99																							
+ Closeout/Startup		VXH	0	03/29/00	06/12/00	12/28/99	10/13/00																							
5604-Downspout MWEB Grant																														
+ Grant Activity		BFG	60	01/03/95A	06/30/97																									
5606-Ramsey Lake Stormwater Poll Reduction Grant																														
+ Grant Activity		MAB	94	01/03/95A	07/29/96																									
5612-(P) Downspout Disc Grant																														
+ Grant Activity		BFG	43	01/03/95A	06/30/98																									
5612.5615-Discon Arbor Grant																														
+ Grant Activity		BFG	43	01/03/95A	06/30/98																									
5612.5616-Discon Woodlawn Grant																														
+ Grant Activity		BFG	43	01/03/95A	06/30/98																									
5612.5617-Discon Concorda Grant																														
+ Grant Activity		BFG	43	01/03/95A	06/30/98																									
5612.5618-Discon Vernon Grant																														

Project Start	07/01/97		Scheduled
Project Finish	12/01/12		Baseline
Data Date	06/26/96		Progress Bar
Plot Date	07/16/96		

© Primavera Systems, Inc.



Completed Projects		PM	%	Current Start	Current Finish	Baseline Start	Baseline Finish																						
Show Overall Summary								FY93	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14
+ Grant Activity		BFG	43	01/03/95A	06/30/98																								
5612.5619-Discon Alameda Grant																													
+ Grant Activity		BFG	43	01/03/95A	06/30/98																								
5612.5620-Discon Overlook Grant																													
+ Grant Activity		BFG	43	01/03/95A	06/30/98																								
5612.5658-Discon Kenton Grant																													
+ Grant Activity		BFG	64	08/01/95A	12/31/96																								
5186.5666-Ramsey Lake Predator Control																													
+ Advertise thru NTP		MAB	100	02/01/96A	04/15/96A																								
+ Construction		MAB	12	04/16/96A	12/29/97																								
5186.5667-Ramsey Lake Wetland Plant Development																													
+ Design		MAB	100	07/05/95A	09/15/95A																								
+ Advertise thru NTP		MAB	100	09/18/95A	12/29/95A																								
+ Construction		MAB	73	03/11/96A	07/29/96																								
5186.5668-Ramsey Lake Planting & Irrigation																													
+ Design		MAB	100	07/05/95A	02/29/96A																								
+ Advertise thru NTP		MAB	100	01/02/96A	03/14/96A																								
+ Construction		MAB	72	03/15/96A	07/29/96																								
+ Closeout/Startup		MAB	0	07/30/96	10/01/97																								
5186.5669-Ramsey Lake Weed Control																													
+ Construction		MAB	17	03/29/96A	10/01/97																								
5612.5743-Discon Portsmouth Grant																													
+ Grant Activity		BFG	78	01/03/95A	12/02/96																								
5612.5744-Discon University Park Grant																													
+ Grant Activity																													

Project Start 07/01/97
Project Finish 12/01/12
Data Date 06/28/96
Plot Date 07/10/96

Scheduled
Baseline
Progress Bar




CS20

Portland Environmental Services
CSO Implementation Plan
Phase Summary Schedule

Sheet 6 of 23



Completed Projects Show Overall Summary	PM	%	Current Start	Current Finish	Baseline Start	Baseline Finish																					
							FY93	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13
	BFG	78	01/03/95A	12/02/96																							
5083.5795-N. Denver & N. McCellan Sumps																											
+ Planning/Pre-design																											
	MWL	100	03/11/96A	03/29/96A																							
+ Design																											
	MWL	100	03/29/96A	04/11/96A																							
+ Advertise thru NTP																											
	MWL	98	04/11/96A	06/28/96																							
+ Construction																											
	MWL	0	07/01/96	11/05/96																							
+ Closeout/Startup																											
	MWL	0	11/06/96	12/18/96																							
5161.5808-Alameda Downspout Discon																											
+ Grant Activity																											
	BFG	17	03/01/96A	03/02/98																							
5161.5809-Beaumont-Wilshire Downspout Discon																											
+ Grant Activity																											
	BFG	17	03/01/96A	03/02/98																							
5161.5810-Boise Downspout Discon																											
+ Grant Activity																											
	BFG	17	03/01/96A	03/02/98																							
5161.5811-Humbolt Downspout Discon																											
+ Grant Activity																											
	BFG	33	03/01/96A	03/03/97																							
5161.5812-King Downspout Discon																											
+ Grant Activity																											
	BFG	17	03/01/96A	03/02/98																							
5161.5813-Overlook Downspout Discon																											
+ Grant Activity																											
	BFG	17	03/01/96A	03/02/98																							
5161.5814-Sabin Downspout Discon																											
+ Grant Activity																											
	BFG	17	03/01/96A	03/02/98																							
5612.5815-Beaumont-Wilshire Downspout Grant																											
+ Grant Activity																											
	BFG	17	03/01/96A	03/02/98																							
5612.5816-King Downspout Grant																											
+ Grant Activity																											
	BFG	17	03/01/96A	03/02/98																							
5612.5817-Humbolt Discon Grant																											

Project Start	07/01/97		Scheduled
Project Finish	12/01/12		Baseline
Data Date	06/28/96		Progress Bar
Plot Date	07/10/96		

CS20

Portland Environmental Services
CSO Implementation Plan
Phase Summary Schedule



Completed Projects Show Overall Summary	PM	%	Current Start	Current Finish	Baseline Start	Baseline Finish	FY93 FY94 FY95 FY96 FY97 FY98 FY99 FY00 FY01 FY02 FY03 FY04 FY05 FY06 FY07 FY08 FY09 FY10 FY11 FY12 FY13 FY14													
							Gantt Chart Area													
+ Grant Activity																				
	BFG	17	03/01/96A	03/02/98			[Gantt Bar]													
5612.5818-Piedmont Downspout Grant																				
+ Grant Activity																				
	BFG	17	03/01/96A	03/02/98			[Gantt Bar]													
5612.5819-Sabin Downspout Grant																				
+ Grant Activity																				
	BFG	17	03/01/96A	03/02/98			[Gantt Bar]													
FPLN - CSO Planning																				
+ Planning/Predesign																				
	JML	64	01/02/89A	12/01/00	01/02/89A	12/01/00	[Gantt Bar]													
7 WILLAMETTE CSOs - YEAR 2001																				
+ 4802-(P) Lents Sewer Relief																				
	MWL	100	02/08/91A	07/31/92A	02/08/91A	07/31/92A	[Gantt Bar]													
+ 4802.4950-Lents Basin Sump #1																				
	MWL	100	01/23/92A	07/31/92A	01/23/92A	07/31/92A	[Gantt Bar]													
+ 4802.4951-Lents Basin Sump #2																				
	MWL	100	01/23/92A	07/31/92A	01/23/92A	07/31/92A	[Gantt Bar]													
+ 4802.4957-Lents Basin Sump #3																				
	MWL	100	01/30/92A	06/25/92A	01/30/92A	06/25/92A	[Gantt Bar]													
5037-NW 110th Sewer Separation																				
+ Planning/Predesign																				
	DTM	0	07/01/96	03/26/97	04/10/96	01/02/97	[Gantt Bar]													
+ Design																				
	DTM	0	03/27/97	09/19/97	01/03/97	06/27/97	[Gantt Bar]													
+ Advertise thru NTP																				
	DTM	0	09/19/97	12/19/97	06/30/97	09/26/97	[Gantt Bar]													
+ Construction																				
	DTM	0	12/22/97	12/18/98	09/29/97	09/28/98	[Gantt Bar]													
+ Closeout/Startup																				
	DTM	0	12/21/98	02/23/99	09/29/98	11/30/98	[Gantt Bar]													
+ 4539.5038-Jefferson Basin Separation																				
	MAB	100	07/01/94A	08/01/94A	07/01/94A	08/01/94A	[Gantt Bar]													
+ 5147-(P) St. Johns B North & South																				
	JKS	100	07/01/93A	01/31/96A	07/01/93A	07/31/95	[Gantt Bar]													
5249-(P) Fiske B Basin CSO Sewer Separation																				
+ Planning/Predesign																				
	MWL	100	05/02/94A	04/12/95A	05/13/94A	07/31/95	[Gantt Bar]													
+ Design																				

Project Start	07/01/97	[White Box]	Scheduled
Project Finish	12/01/12	[Grey Box]	Baseline
Data Date	06/25/96	[Black Box]	Program Bar
Plot Date	07/10/96		

CS20

Portland Environmental Services
CSO Implementation Plan
Phase Summary Schedule



Completed Projects Show Overall Summary	PM	%	Current Start	Current Finish	Baseline Start	Baseline Finish	FY93 FY94 FY95 FY96 FY97 FY98 FY99 FY00 FY01 FY02 FY03 FY04 FY05 FY06 FY07 FY08 FY09 FY10 FY11 FY12 FY13 FY14													
							Gantt chart area with bars representing project durations across fiscal years.													
	MWL	100	03/07/95A	04/28/96A	08/01/95	03/28/96	[Gantt bars for FY95, FY96]													
+ Advertise thru NTP	MWL	97	04/29/96A	07/02/96	03/29/96	06/28/96	[Gantt bars for FY96, FY97]													
+ Construction	MWL	0	07/03/96	10/30/96	07/01/96	04/30/97	[Gantt bars for FY96, FY97]													
+ Closeout/Startup	MWL	0	10/31/96	12/31/96	05/01/97	06/30/97	[Gantt bars for FY97, FY98]													
Fiske B Sewer Separation Phase 2 (Downspouts)																				
+ Construction	BFG	0	01/02/97	12/24/98	07/01/97	06/24/99	[Gantt bars for FY97, FY98, FY99]													
+ 5380.5254-Sellwood Basin Test Sump																				
	MWL	100	09/27/93A	03/08/94A	09/27/93A	03/08/94A	[Gantt bars for FY93, FY94]													
+ 5083.5280-Willamette Test Sumps #7																				
	MWL	100	12/09/93A	07/19/94A	12/09/93A	07/19/94A	[Gantt bars for FY93, FY94]													
+ 5083.5342-Lents Basin Sump #5																				
	MWL	100	05/10/94A	10/04/95A	05/10/94A	07/21/95	[Gantt bars for FY94, FY95]													
5380-(P) Sellwood Basin Local Separation																				
+ Planning/Predesign	MWL	96	07/01/94A	07/29/96	07/01/94A	10/31/96	[Gantt bars for FY94, FY95, FY96]													
+ Design	MWL	0	07/30/96	09/08/97	11/01/96	12/12/97	[Gantt bars for FY96, FY97, FY98]													
+ Advertise thru NTP	MWL	0	09/09/97	02/10/98	12/15/97	05/15/98	[Gantt bars for FY97, FY98]													
+ Construction	MWL	0	02/11/98	02/18/00	05/18/98	05/24/00	[Gantt bars for FY98, FY99, FY00]													
+ Closeout/Startup	MWL	0	02/22/00	04/17/00	05/25/00	07/21/00	[Gantt bars for FY00, FY01]													
Sellwood Sewer Separation Phase 2 (Downspouts)																				
+ Construction	BFG	0	12/02/98	11/24/00	09/30/98	09/22/00	[Gantt bars for FY98, FY99, FY00]													
+ 5380.5459 - Sellwood Basin Sumps																				
	MWL	100	12/19/94A	12/13/95A	12/19/94A	11/20/95	[Gantt bars for FY94, FY95]													
5478-Cathedral Park Water Quality Facility																				
+ Planning/Predesign	RJM	100	07/01/94A	12/02/94A	07/01/94A	12/02/94A	[Gantt bars for FY94, FY95]													
+ Design	RJM	100	12/02/94A	09/13/95A	12/02/94A	08/10/95	[Gantt bars for FY94, FY95]													
+ Advertise thru NTP	RJM	100	09/18/95A	12/19/95A	08/14/95	10/13/95	[Gantt bars for FY95, FY96]													

Project Start: 07/01/87
 Project Finish: 12/01/12
 Data Date: 06/28/96
 Plot Date: 07/10/96

[Legend: Scheduled, Baseline, Progress Bar]

© Primavera Systems, Inc.

CS20

Portland Environmental Services
 CSO Implementation Plan
 Phase Summary Schedule



Completed Projects		PM	Current %	Current Start	Current Finish	Baseline Start	Baseline Finish																						
Show Overall Summary								FY93	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14
+ Construction		RJM	52	12/19/95A	12/19/96	10/16/95	12/16/96																						
+ Closeout/Startup		RJM	0	12/20/96	01/31/97	12/17/96	01/15/97																						
5479-St. Johns B Separation Phase 2																													
+ Construction		WXB	0	07/01/96	06/26/97	12/29/95	12/24/96																						
+ 5380.5489-Sellwood Basin CSO Sump #2																													
		MWL	100	12/16/94A	01/16/96A	12/16/94A	01/05/96																						
5503-West Lents Separation																													
+ Planning/Pre-design		XXX	0	07/01/98	10/22/98	07/01/98	10/22/98																						
+ Design		XXX	0	10/23/98	08/16/99	10/23/98	08/16/99																						
+ Advertise thru NTP		XXX	0	08/17/99	11/04/99	08/17/99	11/04/99																						
+ Construction		XXX	0	11/05/99	01/23/01	11/05/99	01/23/01																						
+ Closeout/Startup		XXX	0	01/02/01	02/01/01	01/02/01	02/01/01																						
5249.5730-Fisk B Water Treatment Facility																													
+ Planning/Pre-design		MWL	95	11/18/94A	07/29/96																								
+ Design		MWL	0	07/30/96	02/18/97																								
+ Construction		MWL	0	02/19/97	05/19/97																								
+ Closeout/Startup		MWL	0	05/20/97	08/15/97																								
5083.5779-Willamette Test Sump Unit #8																													
+ Planning/Pre-design		MWL	100	01/23/96A	02/12/96A																								
+ Design		MWL	100	02/13/96A	03/18/96A																								
+ Advertise thru NTP		MWL	100	03/18/96A	05/28/96A																								
+ Construction		MWL	70	05/28/96A	07/12/96																								
+ Closeout/Startup																													

Project Start 07/01/97
 Project Finish 12/01/12
 Data Date 06/20/96
 Plot Date 07/18/96

Scheduled
 Baseline
 Progress Bar



Completed Projects		PM	Current %	Current Start	Current Finish	Baseline Start	Baseline Finish																						
Show Overall Summary								FY93	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14
5083.5846-Willamette Test Sump #9		MWL	0	07/15/96	08/30/96																								
+ Planning/Predesign		MWL	100	04/22/96A	05/06/96A																								
+ Design		MWL	85	05/07/96A	07/02/96																								
+ Advertise thru NTP		MWL	0	07/03/96	07/17/96																								
+ Construction		MWL	0	07/18/96	09/12/96																								
+ Closeout/Startup		MWL	0	09/13/96	10/03/96																								
Lents Sewer Separation Phase 2 (Downspouts)																													
+ Construction		BFG	0	12/02/98	11/24/00	09/30/98	09/22/00																						
16 WILLAMETTE CSOs - YEAR 2006																													
4539-(P) Diversion Reconstruction																													
+ Construction		TLF	100	05/11/94A	08/31/95A																								
+ Balance of Shell Budget		TLF	96	05/11/94A	07/29/96																								
+ 4539.5265-Sewer DMH MOD Phase 2		MWL	100	07/01/94A	06/15/95A	07/01/94A	06/15/95A																						
5322-(P) Tanner Creek/Nicolai																													
+ Balance of Shell Budget		MAB	28	07/01/94A	09/05/01	07/01/94A	09/05/01																						
+ 4539.5336-NW 29th & 31st Diversion		GML	100	05/11/94A	08/31/95A	05/11/94A	08/31/95																						
5322.5406-Tanner Creek Sewer: Phase I																													
+ Planning/Predesign		MAB	100	07/01/94A	09/26/94A	07/01/94A	09/26/94A																						
+ Design		MAB	74	12/01/94A	03/13/97	12/01/94A	01/03/97																						
+ Advertise thru NTP		MAB	0	03/14/97	09/10/97	01/06/97	07/07/97																						
+ Construction		MAB	0	09/11/97	09/17/98	07/08/97	07/13/98																						
+ Closeout/Startup		MAB	0	09/18/98	11/04/98	07/14/98	08/28/98																						

Project Start: 07/01/97
 Project Finish: 12/01/12
 Data Date: 06/26/96
 Plot Date: 07/10/96

Legend:
 [White Box] Scheduled
 [Grey Box] Baseline
 [Black Box] Progress Bar

CS20



Completed Projects		PM	Current %	Current Start	Current Finish	Baseline Start	Baseline Finish																						
Show Overall Summary			%	Start	Finish	Start	Finish	FY93	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14
5322.5407-Tanner Creek Sewer: Phase 4																													
+ Planning/Predesign		MAB	100	07/01/94A	09/12/94A	07/01/94A	09/12/94A																						
+ Design		MAB	86	03/10/95A	08/23/96	03/10/95A	01/02/98																						
+ Advertise thru NTP		MAB	0	01/05/98	06/26/98	01/05/98	06/30/98																						
+ Construction		MAB	0	06/29/98	06/04/99	07/01/98	06/07/99																						
+ Closeout/Startup		MAB	0	06/07/99	09/28/99	06/08/99	09/28/99																						
5322.5500-Tanner Diversion Mid-Creek: Phase 2																													
+ Planning/Predesign		MAB	0	09/02/97	04/07/98	09/02/97	04/07/98																						
+ Design		MAB	0	04/08/98	01/12/99	04/08/98	01/12/99																						
+ Advertise thru NTP		MAB	0	01/13/99	06/25/99	01/13/99	06/25/99																						
+ Construction		MAB	0	06/28/99	05/10/00	06/28/99	05/10/00																						
+ Closeout/Startup		MAB	0	05/11/00	06/30/00	05/11/00	06/30/00																						
5322.5501-Tanner Diversion Upper Creek: Phase 3																													
+ Planning/Predesign		MAB	0	09/02/97	04/07/98	09/02/97	04/07/98																						
+ Design		MAB	0	04/08/98	05/19/99	04/08/98	05/19/99																						
+ Advertise thru NTP		MAB	0	05/20/99	03/16/00	05/20/99	03/16/00																						
+ Construction		MAB	0	03/17/00	06/01/01	03/17/00	06/01/01																						
+ Closeout/Startup		MAB	0	06/04/01	09/05/01	06/04/01	09/05/01																						
5502-California Storage																													
+ Planning/Predesign		XXX	0	01/02/98	09/28/98	01/02/98	09/28/98																						
+ Design		XXX	0	09/29/98	10/06/99	09/29/98	10/06/99																						
+ Advertise thru NTP																													

Project Start: 07/01/87
 Project Finish: 12/31/12
 Data Date: 06/25/96
 Plot Date: 07/10/96

Scheduled
 Baseline
 Progress Bar

CS20

© Primavera Systems, Inc.

Portland Environmental Services
 CSO Implementation Plan
 Phase Summary Schedule



Completed Projects Show Overall Summary	PM	%	Current Start	Current Finish	Baseline Start	Baseline Finish	FY93 FY94 FY95 FY96 FY97 FY98 FY99 FY00 FY01 FY02 FY03 FY04 FY05 FY06 FY07 FY08 FY09 FY10 FY11 FY12 FY13 FY14													
							Gantt Chart Area													
	XXX	0	10/07/99	03/07/00	10/07/99	03/07/00	[Gantt bars for FY00, FY01, FY02]													
+ Construction	XXX	0	03/08/00	05/23/02	03/08/00	05/23/02	[Gantt bars for FY00, FY01, FY02]													
+ Closeout/Startup	XXX	0	05/07/02	06/28/02	05/07/02	06/28/02	[Gantt bars for FY02, FY03]													
5504-Woods/Sheridan Stream Diversion																				
+ Planning/Predesign	XXX	0	07/01/98	12/21/98	07/01/98	12/21/98	[Gantt bars for FY98, FY99]													
+ Design	XXX	0	12/22/98	10/06/99	12/22/98	10/06/99	[Gantt bars for FY98, FY99]													
+ Advertise thru NTP	XXX	0	10/07/99	03/08/00	10/07/99	03/08/00	[Gantt bars for FY99, FY00]													
+ Construction	XXX	0	03/09/00	05/24/01	03/09/00	05/24/01	[Gantt bars for FY00, FY01, FY02]													
+ Closeout/Startup	XXX	0	05/04/01	06/29/01	05/04/01	06/29/01	[Gantt bars for FY01, FY02]													
5505-Sheridan Stream Diversion																				
+ Planning/Predesign	XXX	0	07/01/98	12/21/98	07/01/98	12/21/98	[Gantt bars for FY98, FY99]													
+ Design	XXX	0	12/22/98	10/06/99	12/22/98	10/06/99	[Gantt bars for FY98, FY99]													
+ Advertise thru NTP	XXX	0	10/07/99	03/08/00	10/07/99	03/08/00	[Gantt bars for FY99, FY00]													
+ Construction	XXX	0	03/09/00	05/24/01	03/09/00	05/24/01	[Gantt bars for FY00, FY01, FY02]													
+ Closeout/Startup	XXX	0	05/04/01	06/29/01	05/04/01	06/29/01	[Gantt bars for FY01, FY02]													
5506-Carolina Stream Diversion																				
+ Planning/Predesign	XXX	0	07/01/98	02/04/99	07/01/98	02/04/99	[Gantt bars for FY98, FY99]													
+ Design	XXX	0	02/05/99	05/09/00	02/05/99	05/09/00	[Gantt bars for FY99, FY00]													
+ Advertise thru NTP	XXX	0	05/10/00	10/06/00	05/10/00	10/06/00	[Gantt bars for FY00, FY01]													
+ Construction	XXX	0	10/09/00	06/01/01	10/09/00	06/01/01	[Gantt bars for FY00, FY01, FY02]													
+ Closeout/Startup	XXX	0	06/04/01	06/29/01	06/04/01	06/29/01	[Gantt bars for FY01, FY02]													
5507-Balch River Crossing																				

Project Start	07/01/87		Scheduled
Project Finish	12/01/12		Baseline
Data Date	06/28/96		Progress Bar
Plot Date	07/10/96		

© Primavera Systems, Inc.



Completed Projects Show Overall Summary		PM	%	Current Start	Current Finish	Baseline Start	Baseline Finish	FY93	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14			
+ Planning/Pre-design																																
	XXX	0	07/01/98	10/11/99	07/01/98	10/11/99																										
+ Design																																
	XXX	0	10/12/99	08/01/01	10/12/99	08/01/01																										
+ Advertise thru NTP																																
	XXX	0	08/02/01	02/01/02	08/02/01	02/01/02																										
+ Construction																																
	XXX	0	02/04/02	07/29/03	02/04/02	07/29/03																										
+ Closeout/Startup																																
	XXX	0	07/30/03	02/17/06	07/30/03	02/17/06																										
5508-Balch Pump Station																																
+ Planning/Pre-design																																
	XXX	0	07/01/98	12/01/98	07/01/98	12/01/98																										
+ Design																																
	XXX	0	12/02/98	01/21/00	12/02/98	01/21/00																										
+ Advertise thru NTP																																
	XXX	0	01/24/00	06/19/00	01/24/00	06/19/00																										
+ Construction																																
	XXX	0	06/20/00	04/03/02	06/20/00	04/03/02																										
+ Closeout/Startup																																
	XXX	0	02/21/06	04/17/06	02/21/06	04/17/06																										
5509-Ankeny Pump Station Upgrade																																
+ Planning/Pre-design																																
	XXX	0	07/01/98	11/10/99	07/01/98	11/10/99																										
+ Design																																
	XXX	0	11/12/99	03/09/01	11/12/99	03/09/01																										
+ Advertise thru NTP																																
	XXX	0	03/12/01	01/10/02	03/12/01	01/10/02																										
+ Construction																																
	XXX	0	01/11/02	03/10/03	01/11/02	03/10/03																										
+ Closeout/Startup																																
	XXX	0	03/11/03	12/31/03	03/11/03	12/31/03																										
5510-Ankeny/Balch Consolidation Conduit																																
+ Planning/Pre-design																																
	XXX	0	01/04/99	07/06/99	01/04/99	07/06/99																										
+ Design																																
	XXX	0	07/07/99	02/13/01	07/07/99	02/13/01																										
+ Advertise thru NTP																																
	XXX	0	02/14/01	07/13/01	02/14/01	07/13/01																										

Project Start 07/01/97
Project Finish 12/01/12
Data Date 06/26/96
Plot Date 07/10/96

Scheduled
Baseline
Progress Bar

CS20

Portland Environmental Services
CSO Implementation Plan
Phase Summary Schedule

Sheet 14 of 23



Completed Projects Show Overall Summary	PM	%	Current Start	Current Finish	Baseline Start	Baseline Finish	FY93 FY94 FY95 FY96 FY97 FY98 FY99 FY00 FY01 FY02 FY03 FY04 FY05 FY06 FY07 FY08 FY09 FY10 FY11 FY12 FY13 FY14													
							Gantt Chart Area													
+ Construction																				
	XXX	0	07/16/01	05/02/03	07/16/01	05/02/03	[Gantt bars for Construction]													
+ Closeout/Startup																				
	XXX	0	05/05/03	06/30/03	05/05/03	06/30/03	[Gantt bars for Closeout/Startup]													
5511-Woods/Sher/Mill Consolidation Conduit																				
+ Planning/Predesign																				
	XXX	0	01/04/99	07/02/99	01/04/99	07/02/99	[Gantt bars for Planning/Predesign]													
+ Design																				
	XXX	0	07/06/99	08/10/00	07/06/99	08/10/00	[Gantt bars for Design]													
+ Advertise thru NTP																				
	XXX	0	08/11/00	01/10/01	08/11/00	01/10/01	[Gantt bars for Advertise thru NTP]													
+ Construction																				
	XXX	0	01/11/01	07/21/03	01/11/01	07/21/03	[Gantt bars for Construction]													
+ Closeout/Startup																				
	XXX	0	06/30/03	09/30/03	06/30/03	09/30/03	[Gantt bars for Closeout/Startup]													
5512-Willamette WWTF Phase 1																				
+ Design																				
	LJO	0	09/29/97	10/11/00	06/30/95	10/11/00	[Gantt bars for Design]													
+ Advertise thru NTP																				
	LJO	0	10/12/00	03/14/01	10/12/00	03/14/01	[Gantt bars for Advertise thru NTP]													
+ Construction																				
	LJO	0	03/15/01	07/07/03	03/15/01	07/07/03	[Gantt bars for Construction]													
+ Closeout/Startup																				
	LJO	0	07/08/03	12/20/05	07/08/03	12/20/05	[Gantt bars for Closeout/Startup]													
5514-Ankeny Force Main																				
+ Planning/Predesign																				
	XXX	0	01/03/00	07/03/00	01/03/00	07/03/00	[Gantt bars for Planning/Predesign]													
+ Design																				
	XXX	0	07/05/00	08/09/01	07/05/00	08/09/01	[Gantt bars for Design]													
+ Advertise thru NTP																				
	XXX	0	08/10/01	01/09/02	08/10/01	01/09/02	[Gantt bars for Advertise thru NTP]													
+ Construction																				
	XXX	0	01/10/02	12/02/03	01/10/02	12/02/03	[Gantt bars for Construction]													
+ Closeout/Startup																				
	XXX	0	12/03/03	12/31/03	12/03/03	12/31/03	[Gantt bars for Closeout/Startup]													
5515-Willamette WWTF Outfall																				
+ Planning/Predesign																				
	XXX	0	09/11/00	02/28/01	09/11/00	02/28/01	[Gantt bars for Planning/Predesign]													
+ Design																				

Project Start	07/01/97	[White Bar]	Scheduled
Project Finish	12/01/12	[Grey Bar]	Baseline
Date Date	06/28/96	[Black Bar]	Progress Bar
Plot Date	07/18/96		

© Primavera Systems, Inc.

CS20

Portland Environmental Services
CSO Implementation Plan
Phase Summary Schedule






Completed Projects Show Overall Summary	PM	%	Current Start	Current Finish	Baseline Start	Baseline Finish	FY93 FY94 FY95 FY96 FY97 FY98 FY99 FY00 FY01 FY02 FY03 FY04 FY05 FY06 FY07 FY08 FY09 FY10 FY11 FY12 FY13 FY14													
							Gantt chart area with bars representing project durations across fiscal years.													
	XXX	0	03/01/01	04/08/02	03/01/01	04/08/02	[Gantt bars for FY01, FY02]													
+ Advertise thru NTP	XXX	0	04/09/02	09/03/02	04/09/02	09/03/02	[Gantt bars for FY02, FY03]													
+ Construction	XXX	0	09/05/02	06/23/05	09/05/02	06/23/05	[Gantt bars for FY02, FY03, FY04, FY05]													
+ Closeout/Startup	XXX	0	06/24/05	10/21/05	06/24/05	10/21/05	[Gantt bars for FY05, FY06]													
5523-California Consolidation Conduit																				
+ Planning/Pre-design	XXX	0	10/01/98	05/06/99	10/01/98	05/06/99	[Gantt bars for FY98, FY99]													
+ Design	XXX	0	05/07/99	08/16/00	05/07/99	08/16/00	[Gantt bars for FY99, FY00]													
+ Advertise thru NTP	XXX	0	08/17/00	11/07/00	08/17/00	11/07/00	[Gantt bars for FY00, FY01]													
+ Construction	XXX	0	11/08/00	08/23/02	11/08/00	08/23/02	[Gantt bars for FY00, FY01, FY02]													
+ Closeout/Startup	XXX	0	08/26/02	09/25/02	08/26/02	09/25/02	[Gantt bars for FY02, FY03]													
5322.5664-Tanner Creek Sewer: Phase 1/Unit 1																				
+ Design	MAB	100	10/03/94A	01/12/96A			[Gantt bar for FY94]													
+ Advertise thru NTP	MAB	100	03/11/96A	05/06/96A			[Gantt bar for FY96]													
+ Construction	MAB	46	05/06/96A	07/29/96			[Gantt bar for FY96]													
+ Closeout/Startup	MAB	0	07/30/96	08/26/96			[Gantt bar for FY96]													
REMAINING WILLAMETTE CSOs - YEAR 2011																				
+ 4348-(P) CSO Program Management							[Gantt bar for FY94]													
508X-Willamette Basin 3 Sumps							[Gantt bars for FY99, FY00]													
516X-Will Downspout Disconnect Results Study							[Gantt bars for FY99, FY00]													
+ 5083.5381-Sullivan Sump Unit #1							[Gantt bars for FY94, FY95]													
+ 5083.5382-Sullivan Sump Unit #2							[Gantt bars for FY94, FY95]													

Project Start: 07/01/97
 Project Finish: 12/01/12
 Data Date: 06/26/96
 Plot Date: 07/10/96

Legend:
 [White bar] Scheduled
 [Grey bar] Baseline
 [Black bar] Progress Bar



Completed Projects Show Overall Summary		PM	%	Current Start	Current Finish	Baseline Start	Baseline Finish																								
								FY93	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14		
	MWL	100	07/11/94A	07/05/95A	07/11/94A	04/11/95A																									
+ 5083.5383-Sullivan Sump Units #3 & #4																															
	MWL	100	07/01/94A	03/28/96A	07/01/94A	09/22/95																									
+ 5083.5421-Stark Basin CSO Sump Project, Unit #1																															
	MWL	100	09/19/94A	01/31/95A	09/19/94A	01/31/95A																									
+ 5083.5422-Stark Basin CSO Sump Project, Unit #2																															
	MWL	100	09/26/94A	01/19/96A	09/26/94A	11/22/95																									
+ 5083.5423-Stark Basin CSO Sump Project, Unit #3																															
	MWL	100	09/26/94A	11/11/95A	09/26/94A	10/31/95																									
5083.5424-Stark Basin CSO Sump Project, Unit #4																															
+ Design																															
	MWL	100	12/06/94A	09/15/95A	12/06/94A	08/04/95																									
+ Advertise thru NTP																															
	MWL	100	04/08/96A	04/30/96A	08/07/95	11/01/95																									
+ Construction																															
	MWL	0	06/13/96A	10/01/96	11/02/95	02/23/96																									
+ Closeout/Startup																															
	MWL	0	10/02/96	01/15/97	02/26/96	03/27/96																									
5083.5425-Stark Basin CSO Sump Project, Unit #5																															
+ Planning/Predesign																															
	MWL	100	09/16/94A	03/23/95A	09/16/94A	03/23/95A																									
+ Design																															
	MWL	56	03/30/95A	06/24/97	03/30/95A	04/30/96																									
+ Advertise thru NTP																															
	MWL	0	06/24/97	09/14/98	05/01/96	08/08/96																									
+ Construction																															
	MWL	0	09/15/98	12/28/98	08/09/96	11/18/96																									
+ Closeout/Startup																															
	MWL	0	12/29/98	03/08/99	11/19/96	12/18/96																									
+ 5083.5426-Stark Basin CSO Sump Project, Unit #6																															
	MWL	100	09/16/94A	04/03/95A	09/16/94A	04/03/95A																									
5083.5427-Stark Basin CSO Sump Project, Unit #7																															
+ Planning/Predesign																															
	MWL	100	09/16/94A	04/28/95A	09/16/94A	04/28/95A																									
+ Design																															
	MWL	67	05/01/95A	06/30/97	05/01/95A	06/28/96																									
+ Advertise thru NTP																															
	MWL	0	06/30/97	09/09/97	07/01/96	09/26/96																									
+ Construction																															

Project Start	07/01/97		Scheduled
Project Finish	12/01/12		Baseline
Data Date	06/28/96		Progress Bar
Plot Date	07/16/96		

CS20	
------	--



Completed Projects Show Overall Summary	PM	%	Current Start	Current Finish	Baseline Start	Baseline Finish																			
							FY93	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11
	MWL	0	09/10/97	12/12/97	09/27/96	11/25/96																			
+ Closeout/Startup	MWL	0	12/15/97	03/02/98	11/26/96	12/24/96																			
5083.5456-Insley Basin Sump #1																									
+ Planning/Pre-design	MWL	100	12/12/94A	01/18/95A	12/12/94A	02/15/95A																			
+ Design	MWL	100	01/18/95A	04/05/96A	02/16/95A	08/01/95																			
+ Advertise thru NTP	MWL	81	04/08/96A	07/18/96	11/06/95	01/23/96																			
+ Construction	MWL	0	07/18/96	10/18/96	01/24/96	04/08/96																			
+ Closeout/Startup	MWL	0	10/21/96	02/18/97	04/09/96	05/08/96																			
+ 5083.5463 - Taggart Basin Sump #1																									
	MWL	100	12/08/94A	05/30/96A	12/08/94A	03/18/96																			
5083.5491-Taggart Basin CSO Sump #2																									
+ Planning/Pre-design	MWL	100	01/11/95A	04/10/95A	01/11/95A	04/10/95A																			
+ Design	MWL	94	03/24/95A	07/29/96	05/23/95A	12/06/95																			
+ Advertise thru NTP	MWL	0	07/30/96	10/15/96	12/07/95	03/07/96																			
+ Construction	MWL	0	10/15/96	12/16/96	03/08/96	06/17/96																			
+ Closeout/Startup	MWL	0	12/17/96	03/17/97	06/18/96	07/17/96																			
+ 5083.5492-Taggart Basin CSO Sump #3																									
	MWL	100	01/18/95A	05/22/95A	01/18/95A	05/22/95A																			
5083.5493-Taggart Basin CSO Sump #4																									
+ Planning/Pre-design	MWL	100	03/15/95A	05/25/95A	03/15/95A	05/25/95A																			
+ Design	MWL	66	06/22/95A	04/04/97	06/22/95A	08/30/95																			
+ Advertise thru NTP	MWL	0	04/04/97	07/18/97	04/01/96	07/02/96																			
+ Construction	MWL	0	07/21/97	09/30/97	07/08/96	10/30/96																			
+ Closeout/Startup																									

Project Start 07/01/87
Project Finish 12/01/12
Data Date 06/28/96
Plot Date 07/10/96

Schedule
Baseline
Progress Bar

CS20

Portland Environmental Services
CSO Implementation Plan
Phase Summary Schedule

Sheet 20 of 23



Completed Projects		PM	Current %	Current Start	Current Finish	Baseline Start	Baseline Finish																						
Show Overall Summary								FY93	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14
		MWL	0	10/01/97	12/31/97	10/31/96	11/29/96																						
5083.5494-Taggart Basin CSO Sump #5																													
+ Planning/Predesign		MWL	100	05/08/95A	06/23/95A	05/08/95A	06/23/95A																						
+ Design		MWL	61	07/17/95A	03/14/97	12/26/95	03/21/96																						
+ Advertise thru NTP		MWL	0	03/17/97	08/06/97	06/24/96	09/11/96																						
+ Construction		MWL	0	08/07/97	01/23/98	09/12/96	01/10/97																						
+ Closeout/Startup		MWL	0	01/26/98	04/08/98	01/13/97	02/10/97																						
5083.5495-Taggart Basin CSO Sump #6																													
+ Planning/Predesign		MWL	100	03/15/95A	06/16/95A	03/15/95A	06/16/95A																						
+ Design		MWL	53	06/20/95A	05/13/97	06/20/95A	01/16/97																						
+ Advertise thru NTP		MWL	0	05/14/97	08/11/97	04/15/97	07/11/97																						
+ Construction		MWL	0	08/12/97	03/26/98	07/14/97	11/12/97																						
+ Closeout/Startup		MWL	0	03/27/98	06/03/98	11/13/97	12/12/97																						
5083.5496-Insley Basin CSO Sump #2																													
+ Planning/Predesign		MWL	100	01/11/95A	05/17/95A	01/11/95A	05/17/95A																						
+ Design		MWL	100	06/01/95A	04/22/96A	05/18/95A	09/25/95																						
+ Advertise thru NTP		MWL	80	04/22/96A	07/18/96	10/30/95	02/27/96																						
+ Construction		MWL	0	07/19/96	09/20/96	02/28/96	05/28/96																						
+ Closeout/Startup		MWL	0	09/23/96	11/20/96	05/29/96	06/27/96																						
5083.5497-Insley Basin Sump #3																													
+ Planning/Predesign		MWL	100	01/18/95A	03/13/95A	01/18/95A	03/13/95A																						
+ Design		MWL	97	03/14/95A	07/09/96	03/14/95A	08/03/95																						

Project Start 07/01/97
 Project Finish 12/01/12
 Data Date 06/29/96
 Plot Date 07/10/96

Scheduled
 Baseline
 Progress Bar

CS20

© Primavera Systems, Inc.

Portland Environmental Services
 CSO Implementation Plan
 Phase Summary Schedule



Completed Projects Show Overall Summary	PM	%	Current Start	Current Finish	Baseline Start	Baseline Finish	FY93	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14
+ Advertise thru NTP	MWL	0	07/10/96	09/12/96	06/10/96	09/06/96																						
+ Construction	MWL	0	09/13/96	11/20/96	09/09/96	12/05/96																						
+ Closeout/Startup	MWL	0	11/21/96	02/18/97	12/06/96	01/03/97																						
5083.5498-Insley Basin Sump #4																												
+ Planning/Predesign	MWL	100	01/18/95A	06/13/95A	01/18/95A	06/13/95A																						
+ Design	MWL	41	06/14/95A	12/31/97	06/14/95A	09/29/95																						
+ Advertise thru NTP	MWL	0	01/02/98	03/04/98	12/11/95	03/04/96																						
+ Construction	MWL	0	03/09/98	06/29/98	03/07/96	07/03/96																						
+ Closeout/Startup	MWL	0	06/30/98	09/23/98	07/05/96	08/02/96																						
5513-Willamette WWTF Phase 2																												
+ Planning/Predesign	XXX	0	12/03/01	12/05/02	12/03/01	12/05/02																						
+ Design	XXX	0	12/06/02	09/07/04	12/06/02	09/07/04																						
+ Advertise thru NTP	XXX	0	09/08/04	04/21/05	09/08/04	04/21/05																						
+ Construction	XXX	0	04/22/05	04/27/09	04/22/05	04/27/09																						
+ Closeout/Startup	XXX	0	04/28/09	09/23/09	04/28/09	09/23/09																						
5516-Willamette East Tunnel																												
+ Planning/Predesign	XXX	0	12/06/02	08/29/03	12/06/02	08/29/03																						
+ Design	XXX	0	09/01/03	08/30/05	09/01/03	08/30/05																						
+ Advertise thru NTP	XXX	0	08/31/05	03/23/06	08/31/05	03/23/06																						
+ Construction	XXX	0	03/24/06	11/28/08	03/24/06	11/28/08																						
+ Closeout/Startup	XXX	0	04/15/11	06/10/11	04/15/11	06/10/11																						

Project Start 07/01/87
 Project Finish 12/01/12
 Data Date 06/26/96
 Plot Date 07/18/96

Scheduled
 Baseline
 Program Bar

CS20

Portland Environmental Services
 CSO Implementation Plan
 Phase Summary Schedule

Sheet 22 of 25



Completed Projects Show Overall Summary		PM	%	Current Start	Current Finish	Baseline Start	Baseline Finish																						
								FY93	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14
5517-Willamette East Tunnel Drop Shafts																													
+ Planning/Predesign	XXX	0	09/01/03	05/25/04	09/01/03	05/25/04																							
+ Design	XXX	0	05/26/04	04/12/06	05/26/04	04/12/06																							
+ Advertise thru NTP	XXX	0	04/13/06	09/08/06	04/13/06	09/08/06																							
+ Construction	XXX	0	09/11/06	07/23/09	09/11/06	07/23/09																							
+ Closeout/Startup	XXX	0	04/15/11	06/10/11	04/15/11	06/10/11																							
5518-Willamette WWTF Influent Pump Station																													
+ Planning/Predesign	XXX	0	09/08/04	04/13/05	09/08/04	04/13/05																							
+ Design	XXX	0	04/14/05	05/22/06	04/14/05	05/22/06																							
+ Advertise thru NTP	XXX	0	05/23/06	10/19/06	05/23/06	10/19/06																							
+ Construction	XXX	0	04/28/09	03/10/11	04/28/09	03/10/11																							
+ Closeout/Startup	XXX	0	02/17/11	04/14/11	02/17/11	04/14/11																							
5539.5540-CSO Regulatory Compliance Issues																													
+ Planning/Predesign	LJO	7	05/01/95A	12/01/11	05/01/95A	12/01/11																							
5539.5541-CSO Groundwater																													
+ Planning/Predesign	EKL	7	05/01/95A	12/01/11	05/01/95A	12/01/11																							
5539.5542-CSO Planning																													
+ Planning/Predesign	LJO	7	05/01/95A	12/01/11	05/01/95A	12/01/11																							
5539.5543-CSO Modeling																													
+ Planning/Predesign	VXA	7	05/01/95A	12/01/11	05/01/95A	12/01/11																							
C180-Direct CIP Support																													
+ CSO Program Management	LXD	6	07/01/95A	11/30/12																									

Project Start	07/01/07		Scheduled
Project Finish	12/01/12		Baseline
Data Date	06/26/06		Progress Bar
Plot Date	07/18/06		

CSO	
-----	--

Portland Environmental Services
CSO Implementation Plan
Phase Summary Schedule





Project Listing by Current Phase

Proj No.	Project Description	%	Baseline Budget	Exp to Date thru AP12	Schedule Start	Scheduled Finish
Pre-Design Phase Projects						
5249 5730	Fiske 'B' WTF	61%	0	12,997	11/18/94	08/15/97
5291 5291	Oregonian Basin Separation	41%	2,600,000	6,560	11/01/94	08/06/98
5292 5292	Oswego Basin Separation	35%	6,300,000	13,913	07/03/95	08/19/98
5302 5302	Columbia Blvd WWT Facility Outfall	40%	22,685,000	100,639	07/01/94	08/03/99
5322 5322	Tanner Creek/Nicolai	28%	100,000	27,738	07/01/94	09/05/01
5323 5323	SLRT Calibration	71%	750,000	372,527	02/15/94	06/30/97
5380 5380	Sellwood Basin Local Separation	38%	7,766,000	23,803	07/01/94	04/17/00
5481 5481	Willamette Site Acquisition	77%	4,000,000	2,581,005	01/02/95	12/31/96
5499 5499	Columbia Blvd WWTF Influent Pump Station	18%	15,500,000	70,896	11/06/95	06/12/00
5539 5539	Willamette Basin Preliminary Engineering	7%	10,000	125,937	05/01/95	12/01/11
5539 5540	CSO Regulatory Issues	7%	50,000	37,338	05/01/95	12/01/11
5539 5541	CSO Groundwater	7%	50,000	16,457	05/01/95	12/01/11
5539 5542	CSO Planning	7%	50,000	143,135	05/01/95	12/01/11
5539 5543	CSO Modeling	7%	50,000	278,381	05/01/95	12/01/11
Design Phase Projects						
5083 5424	Stark Basin CSO Sump Project, Unit 4	75%	680,000	20,317	12/06/94	01/15/97
5083 5425	Stark Basin CSO Sump Project, Unit 5/6	40%	420,000	28,533	09/16/94	03/08/99
5083 5427	Stark Basin CSO Sump Project, Unit 7	58%	320,000	15,860	09/16/94	03/02/98
5083 5456	Insley Basin Unit 1	74%	485,000	36,566	12/12/94	02/18/97
5083 5491	Taggart Basin #2 & #3	70%	1,326,000	33,735	01/11/95	03/17/97
5083 5493	Taggart Basin #4	49%	680,000	8,357	03/15/95	12/31/97
5083 5494	Taggart Basin #5	40%	690,000	4,585	05/08/95	04/08/98
5083 5495	Taggart Basin #6	41%	950,000	8,672	03/15/95	06/03/98
5083 5496	Insley Basin #2	82%	550,000	25,754	01/11/95	11/20/96
5083 5497	Insley Basin #3	70%	500,000	30,386	01/18/95	02/18/97
5083 5498	Insley Basin #4	39%	720,000	12,025	01/18/95	09/23/98
5083 5795	North Denver & North McClellan Sump	46%	0	281	03/11/96	12/18/96
5083 5846	Willamette Test Station No. 9	36%		2,998	04/22/96	10/03/96
5249 5249	Fiske 'B' Basin Local Separation	85%	4,500,000	268,305	05/02/94	12/31/96
5322 5406	Tanner Creek Sewer: Phase I	48%	6,125,000	258,949	07/01/94	11/04/98
5322 5407	Tanner Creek Sewer: Phase 4	42%	4,800,000	379,156	07/01/94	09/28/99
5332 5332	Columbia Slough Consolidation Conduit	29%	84,000,000	4,080,538	08/05/94	09/13/00
5480 5480	Columbia Blvd Wet Weather Treatment Facility	18%	41,801,000	783,553	08/01/94	10/13/00



Project Listing by Current Phase

Proj No.	Project Description	%	Baseline Budget	Exp to Date thru AP12	Schedule Start	Scheduled Finish
Construction Phase Projects						
4539	4539 Diversion Reconstruction Study	97%	600,000	425,855	05/11/94	07/29/96
5083	5083 Stormwater Infiltration Sumps	33%	19,200,000	166,056	09/29/89	12/01/11
5083	5779 Willamette Test Sump Unit #8	66%	0	12,076	01/23/96	08/30/96
5161	5161 Downspout Disconnection Program	42%	30,000,000	588,430	01/16/95	03/31/00
5186	5186 Ramsey Lake Constructed Wetlands	56%	1,450,000	1,565,729	09/01/93	08/18/98
5186	5666 Ramsey Predator Cont	22%	0	193	02/01/96	12/29/97
5186	5667 Ramsey Wetland Plant	91%	0	163,356	07/05/95	07/29/96
5186	5668 Ramsey Planting	61%	0	111,444	07/05/95	10/01/97
5186	5669 Ramsey Weed Control	17%	0	78	03/29/96	10/01/97
5273	5273 Ramsey Lake Storm Trunk	83%	4,000,000	959,965	11/02/93	02/11/97
5322	5664 Tanner Creek Phase 1, Unit 1	91%	0	173,968	10/03/94	08/26/96
5478	5478 Cathedral Park Water Quality Facility	78%	630,000	7,299	07/01/94	01/31/97
Startup/Close-out Phase Projects						
5083	5115 Fiske Sumps #4	96%	495,000	728,451	07/01/94	07/29/96
5266	5266 St. Johns 'A' Basin Sewer Separation	95%	4,800,000	3,230,169	11/02/93	08/30/96
Future Projects						
5037	5037 NW 110th Ave. (Linnton) CSO Control	0%	610,000	49,080	07/01/96	02/23/99
5322	5500 Tanner Creek Sewer: Phase 2	0%	5,000,000	2,171	09/02/97	06/30/00
5322	5501 Tanner Creek Sewer: Phase 3	0%	5,000,000	0	09/02/97	09/05/01
5479	5479 St. Johns 'B' Separation Phase 2	0%	62,000	1,440	07/01/96	06/26/97
5502	5502 California Storage	0%	10,500,000	0	01/02/98	06/28/02
5503	5503 Western Half Lents 1 Separation	0%	2,300,000	0	07/01/98	02/01/01
5504	5504 Woods Stream Diversion	0%	1,500,000	0	07/01/98	06/29/01
5505	5505 Sheridan Stream Diversion	0%	5,000,000	0	07/01/98	06/29/01
5506	5506 Carolina Stream Diversion	0%	2,300,000	0	07/01/98	06/29/01
5507	5507 Balch River Crossing	0%	3,800,000	0	07/01/98	02/17/06
5508	5508 Balch Pump Station	0%	21,500,000	0	07/01/98	04/17/06
5509	5509 Ankeny Pump Station Upgrade	0%	20,300,000	0	07/01/98	12/31/03
5510	5510 Ankeny/Balch Consolidation Conduit	0%	25,713,000	0	01/04/99	06/30/03
5511	5511 Woods/Sheridan/Mill Consol. Conduit	0%	4,122,000	0	01/04/99	09/30/03
5512	5512 Willamette River WWT Facility Phase 1	0%	24,755,000	0	09/29/97	12/20/05
5513	5513 Willamette WWTF Phase 2	0%	60,526,000	0	12/03/01	09/23/09



Project Listing by Current Phase

Proj No.	Project Description	%	Baseline Budget	Exp to Date thru AP12	Schedule Start	Scheduled Finish
5514 5514	Ankeny Force Main	0%	2,400,000	0	01/03/00	12/31/03
5515 5515	Willamette WWT Facility Outfall	0%	14,000,000	0	09/11/00	10/21/05
5516 5516	East Tunnel	0%	81,990,000	0	12/06/02	06/10/11
5517 5517	East Tunnel Drop Shafts	0%	32,000,000	0	09/01/03	06/10/11
5518 5518	Willamette WWTF Influent Pump Station	0%	29,200,000	0	09/08/04	04/14/11
5523 5523	California Consolidation Conduit	0%	1,200,000	0	10/01/98	09/25/02

Grant Projects

5161 5808	Downspout Disconnections in Alameda Neighbo	17%		1,272	03/01/96	03/02/98
5161 5809	Downspout Disconnections in Beaumont-Wilshir	17%		530	03/01/96	03/02/98
5161 5810	Downspout Disconnections in Boise Neighborho	17%		0	03/01/96	03/02/98
5161 5811	Downspout Disconnections in Humbolt Neighbo	33%		265	03/01/96	03/03/97
5161 5812	Downspout Disconnections in King Neighborhoo	17%		265	03/01/96	03/02/98
5161 5813	Downspout Disconnections in Overlook Neighb	17%		0	03/01/96	03/02/98
5161 5814	Downspout Disconnections in Sabin Neighborho	17%		371	03/01/96	03/02/98
5604 5604	Downspout MWEB Grant	60%	0	0	01/03/95	06/30/97
5606 5606	Poll Reduction Grant	95%	0	750,000	01/03/95	07/29/96
5612 5612	Downspout Disc Grant	43%	0	3,432	01/03/95	06/30/98
5612 5615	Discon Arbor Grant	43%	0	1,749	01/03/95	06/30/98
5612 5616	Discon Woodlawn Grant	43%	0	1,961	01/03/95	06/30/98
5612 5617	Discon Concordia Grant	43%	0	4,291	01/03/95	06/30/98
5612 5618	Discon Vernon Grant	43%	0	805	01/03/95	06/30/98
5612 5619	Discon Alameda Grant	43%	0	1,808	01/03/95	06/30/98
5612 5620	Discon Overlook Grant	43%	0	530	01/03/95	06/30/98
5612 5658	Discon Kenton Grant	64%	0	672	08/01/95	12/31/96
5612 5743	Discon Portsmouth Grant	78%	0	106	01/03/95	12/02/96
5612 5744	Discon University Park Grant	78%	0	636	01/03/95	12/02/96
5612 5815	Dwnspt Discon Grant in Beaumont-Wilshire Are	17%		424	03/01/96	03/02/98
5612 5816	Dwnspt Discon Grant in King Area	17%		318	03/01/96	03/02/98
5612 5817	Dwnspt Discon Grant in Humbolt Area	17%		477	03/01/96	03/02/98
5612 5818	Dwnspt Discon Grant in Piedmont Area	17%		848	03/01/96	03/02/98
5612 5819	Dwnspt Discon Grant in Sabin Area	17%		212	03/01/96	03/02/98

Completed Projects

1005 1005	CSO Project Management Support	100%	0	0	07/01/95	08/31/95
4348 4348	CSO Management Plan	100%	29,800,000	10,122,793	09/15/90	06/30/95



Project Listing by Current Phase

Proj No.	Project Description	%	Baseline Budget	Exp to Date thru AP12	Schedule Start	Scheduled Finish
4348 4992	SFO Compliance - CSO Monitoring	100%	435,000	371,494	04/03/92	11/06/92
4539 5038	Jefferson Basin Separation	100%	125,000	98,562	07/01/94	08/01/94
4539 5265	Sewer DMH MOD-PH2	100%	525,000	665,879	07/01/94	06/15/95
4539 5336	NW 29th & 31st Diversion	100%	80,000	234,017	05/11/94	08/31/95
4758 4758	N. Vancouver Basin Relief	100%	555,000	511,403	08/20/90	07/31/92
4758 4947	N. Vancouver CSO Project #2	100%	400,000	373,600	01/01/92	07/31/92
4802 4802	Lents Sewer Relief	100%	665,000	618,065	02/08/91	07/31/92
4802 4950	Lents Basin - Phase 2	100%	570,000	542,933	01/23/92	07/31/92
4802 4951	Lents Basin - Phase 3	100%	385,000	359,522	01/23/92	07/31/92
4802 4957	Lents Basin - Phase 4	100%	350,000	330,338	01/30/92	06/25/92
5017 5017	T04 Drainage & Storms	100%	0	307,783	07/08/92	06/11/93
5083 4630	NE 13th Ave. Basin - Phase 5	100%	775,000	769,058	09/29/89	04/24/92
5083 4930	NE 13th Ave. Basin CSO Reduction	100%	525,000	489,096	11/01/91	08/14/92
5083 4948	NE 13th Ave. Basin CSO Reduction Unit #2	100%	405,000	388,465	01/15/91	08/19/92
5083 5012	NE 13th Ave. Basin Unit #3	100%	565,000	540,142	06/22/92	03/11/93
5083 5013	NE 13th Ave. Basin Unit #4	100%	515,000	500,500	06/22/92	03/16/93
5083 5019	NE 13th Ave. Basin Unit #5	100%	500,000	475,873	07/17/92	03/31/93
5083 5020	Fiske Basin - Phase 1	100%	400,000	382,255	07/17/92	10/12/93
5083 5021	NE 13th Ave. Basin Unit #6	100%	510,000	491,754	07/17/92	06/26/93
5083 5026	NE 13th Ave. Basin Unit #7	100%	415,000	405,298	07/23/92	08/03/93
5083 5058	NE 13th Ave. Basin Unit #8	100%	750,000	631,899	09/18/92	06/14/95
5083 5059	NE 13th Ave. Basin Unit #11	100%	315,000	305,180	09/18/92	07/13/93
5083 5060	NE 13th Ave. Basin Unit #9	100%	318,000	307,763	09/18/92	07/13/93
5083 5061	NE 13th Ave. Basin Unit #10	100%	382,000	374,393	09/18/92	08/19/93
5083 5070	NE 13th Ave. Basin Unit #12	100%	355,000	347,570	10/12/92	08/18/93
5083 5071	NE 13th Ave. Basin Unit #13	100%	218,500	209,825	10/19/92	07/17/93
5083 5072	NE 13th Ave. Basin Unit #14	100%	340,000	328,763	10/19/92	10/24/93
5083 5073	NE 13th Ave. Basin Unit #15	100%	400,000	387,538	10/19/92	10/20/93
5083 5074	NE 13th Ave. Basin Unit #16	100%	385,000	374,986	10/19/92	08/13/93
5083 5095	13th Ave./Fiske Basin	100%	10,000	7,022	11/26/92	11/25/93
5083 5112	N. Portland Sumps	100%	52,000	48,721	12/17/92	04/16/93
5083 5113	Fiske Sumps #2	100%	1,350,000	1,194,390	11/15/93	03/15/95
5083 5114	Fiske Sumps #3	100%	0	0	11/15/93	06/30/94
5083 5120	Willamette Basin Sumps	100%	50,000	44,919	01/14/93	06/03/93
5083 5123	N. Portland Sumps, Phase 2	100%	45,000	42,651	02/11/93	04/24/93



Project Listing by Current Phase

Proj No.	Project Description	%	Baseline Budget	Exp to Date thru AP12	Schedule Start	Scheduled Finish
5083 5124	Willamette Test Sumps Units #4, 5, & 6	100%	120,000	115,701	01/14/93	07/09/93
5083 5125	Willamette Test Sumps Units #1 & 2	100%	90,000	86,891	01/14/93	06/03/93
5083 5164	Albina Basin Unit #1	100%	455,000	440,783	05/10/93	01/13/94
5083 5165	Albina Basin Unit #2	100%	1,040,000	985,329	05/10/93	03/01/94
5083 5166	Albina Basin Unit #3	100%	1,000	0	05/06/93	06/30/94
5083 5167	Albina Basin Unit #4	100%	1,000	0	05/06/93	06/30/94
5083 5168	Albina Basin Unit #5	100%	400,000	379,639	05/10/93	01/11/94
5083 5169	Albina Basin Unit #6	100%	465,000	435,278	05/10/93	03/22/94
5083 5170	Fenwick Basin	100%	510,000	471,661	05/10/93	01/27/94
5083 5231	Kenton Basin #1 - 3	100%	930,000	918,477	08/11/93	03/15/94
5083 5232	Kenton Basin #4	100%	585,000	567,181	08/11/93	06/18/94
5083 5240	Bayard Basin Unit #1	100%	210,000	198,222	08/26/93	04/15/94
5083 5241	Bayard Basin Units #2 - 3	100%	840,000	794,023	08/26/93	07/15/94
5083 5242	Bayard Basin Unit #4	100%	375,000	358,911	08/26/93	05/27/94
5083 5243	Bayard Basin Units #5 - 6	100%	730,000	705,354	08/27/93	07/20/94
5083 5244	Chautauqua Basin	100%	320,000	307,591	08/27/93	07/22/94
5083 5278	NE Col. Consol. Sewer	100%	0	0	11/18/93	10/28/94
5083 5280	Willamette Test Sump #7	100%	412,000	391,488	12/09/93	07/19/94
5083 5342	Lents Basin Phase #5	100%	642,000	546,522	05/10/94	10/04/95
5083 5343	13th Ave Basin Unit 17	100%	300,000	260,209	05/24/94	06/21/95
5083 5344	Vancouver Basin Unit 3	100%	120,000	116,989	05/26/94	01/25/95
5083 5381	Sullivan Unit #1	100%	400,000	344,290	06/13/94	06/21/95
5083 5382	Sullivan Unit #2	100%	350,000	366,611	07/11/94	07/05/95
5083 5383	Sullivan Unit #3	100%	1,000,000	508,040	07/01/94	03/28/96
5083 5421	Stark Basin CSO Sump Project, Unit 1	100%	5,000	7,170	09/19/94	01/31/95
5083 5422	Stark Basin CSO Sump Project, Unit 2	100%	1,055,000	779,390	09/26/94	01/19/96
5083 5423	Stark Basin CSO Sump Project, Unit 3	100%	560,000	566,421	09/26/94	11/11/95
5083 5426	Stark Basin CSO Sump Project, Unit 6	100%	610,000	0	09/16/94	04/03/95
5083 5463	Taggart Basin Unit 1	100%	600,000	658,443	12/08/94	05/30/96
5083 5492	(formerly Taggart Basin #3)	100%	34,000	0	01/18/95	05/22/95
5086 5086	Slough Screen Pipe Study	100%	150,000	94,904	10/23/92	08/11/94
5147 5147	St. Johns 'B' Basin South	100%	5,500,000	5,320,601	07/01/93	01/31/96
5147 5154	St. Johns 'B' Basin North	100%	13,000	12,174	05/06/93	03/23/94
5147 5155	St. Johns 'B' Basin Test Sumps	100%	55,000	47,391	04/15/93	07/11/93
5212 5212	Col/Lmbd Interceptor	100%	35,000	19,758	07/01/93	06/30/94



Project Listing by Current Phase

Proj No.	Project Description	%	Baseline Budget	Exp to Date thru AP12	Schedule Start	Scheduled Finish
5213 5213	CSO Phase 1 - Design & Construction	100%	15,000	7,844	07/01/93	06/30/94
5380 5254	Sellwood Basin Test Sump	100%	68,000	57,208	09/27/93	03/08/94
5380 5459	Sellwood-Sump Unit 1	100%	600,000	499,167	12/19/94	12/13/95
5380 5489	Sellwood Basin #2	100%	490,000	496,105	12/16/94	01/16/96
5457 5457	Col. Sl. Basin WWTF Site Plan Update	100%	289,000	336,839	08/01/94	12/29/95

SECTION V

COSTS

Portland Bureau of Environmental Services -- Combined Sewer Overflow Program



FY 95 - 96 Budget and Expenditures

Proj Mgr	Proj No.	Project Description	%	FY Budget	Revised FY Budget	FY Exp thru AP12	FY Estimate	Estm/Rev Budget Var	Scheduled Start	Scheduled Finish
Cornerstone Projects										
LXD	0180	CSO Direct Support	4	0	3,455,650	2,648,328	3,200,000		07/01/95	11/30/12
LDA	1005	CSO Project Management Support	100	0	0	0	0	0	07/01/95	08/31/95
EKL	5017	T04 Drainage & Storms	100	0	0	0	0	0	07/08/92	06/11/93
DTM	5037	NW 110th Ave. (Linnton) CSO Control	0	23,800	23,800	0	0	23,800	07/01/96	02/23/99
LAK	5213	CSO Phase 1 - Design & Construction	100	0	0	0	0	0	07/01/93	06/30/94
LCS	5266	St. Johns 'A' Basin Sewer Separation	95	3,710,700	3,307,590	2,616,227	2,612,000	695,590	11/02/93	08/30/96
LCS	5273	Ramsey Lake Storm Trunk	83	3,532,300	1,819,180	825,108	2,343,450	-524,270	11/02/93	02/11/97
LCS	5291	Oregonian Basin Separation	41	100,000	1,100	1,405	1,100	0	11/01/94	08/06/98
LCS	5292	Oswego Basin Separation	35	65,400	71,670	7,428	33,000	38,670	07/03/95	08/19/98
MMV	5379	CSO W. Hydraulic Ana (Cancelled)		0	0	0	0	0		
JDC	5479	St. Johns 'B' Separation Phase 2	0	35,700	55,130	1,440	55,130	0	07/01/96	06/26/97
UNK	5503	Western Half Lents 1 Separation	0	0	0	0	0	0	07/01/98	02/01/01
UNK	5504	Woods Stream Diversion	0	0	0	0	0	0	07/01/98	06/29/01
UNK	5505	Sheridan Stream Diversion	0	0	0	0	0	0	07/01/98	06/29/01
UNK	5506	Carolina Stream Diversion	0	0	0	0	0	0	07/01/98	06/29/01
BFG	5604	Downspout MWEB Grant	60		6,250	0	110	6,140	01/03/95	06/30/97
MAB	5606	Poll Reduction Grant	95		750,000	750,000	750,000	0	01/03/95	07/29/96
		Group		7,467,900	9,490,370	6,849,936	8,994,790	239,930		
4348										
EAD	4348	4348 CSO Management Plan	100	0	0	0	0	0	09/15/90	06/30/95
HGS	4348	4992 SFO Compliance - CSO Monitoring	100	0	0	0	0	0	04/03/92	11/06/92
		4348 Group		0	0	0	0	0		
4539										
LMH	4539	4539 Diversion Reconstruction Study	97	178,400	192,950	23,189	170,900	22,050	05/11/94	07/29/96
MAB	4539	5038 Jefferson Basin Separation	100	0	0	0	0	0	07/01/94	08/01/94
FSR	4539	5265 Sewer DMH MOD-PH2	100	0	0	822	850	-850	07/01/94	06/15/95
GML	4539	5336 NW 29th & 31st Diversion	100	0	0	47,053	48,000	-48,000	05/11/94	08/31/95
		4539 Group		178,400	192,950	71,064	219,750	-26,800		
4758										
MWL	4758	4758 N. Vancouver Basin Relief	100	0	0	0	0	0	08/20/90	07/31/92
MWL	4758	4947 N. Vancouver CSO Project #2	100	0	0	0	0	0	01/01/92	07/31/92
		4758 Group		0	0	0	0	0		
4802										
MWL	4802	4802 Lents Sewer Relief	100	0	0	0	0	0	02/08/91	07/31/92
MWL	4802	4950 Lents Basin - Phase 2	100	0	0	0	0	0	01/23/92	07/31/92
MWL	4802	4951 Lents Basin - Phase 3	100	0	0	0	0	0	01/23/92	07/31/92
MWL	4802	4957 Lents Basin - Phase 4	100	0	0	0	0	0	01/30/92	06/25/92

Portland Bureau of Environmental Services -- Combined Sewer Overflow Program

FY 95 - 96 Budget and Expenditures



Proj Mgr	Proj No.	Project Description	%	FY Budget	Revised FY Budget	FY Exp thru AP12	FY Estimate	Estm/Rev Budget Var	Scheduled Start	Scheduled Finish
		4802 Group		0	0	0	0	0		
	5083									
MWL	5083	4630 NE 13th Ave. Basin - Phase 5	100	0	0	0	0	0	09/29/89	04/24/92
MWL	5083	4930 NE 13th Ave. Basin CSO Reduction	100	0	0	0	0	0	11/01/91	08/14/92
MWL	5083	4948 NE 13th Ave. Basin CSO Reduction Unit #2	100	0	0	0	0	0	01/15/91	08/19/92
MWL	5083	5012 NE 13th Ave. Basin Unit #3	100	0	0	0	0	0	06/22/92	03/11/93
MWL	5083	5013 NE 13th Ave. Basin Unit #4	100	0	0	0	0	0	06/22/92	03/16/93
MWL	5083	5019 NE 13th Ave. Basin Unit #5	100	0	0	0	0	0	07/17/92	03/31/93
MWL	5083	5020 Fiske Basin - Phase 1	100	0	0	0	0	0	07/17/92	10/12/93
MWL	5083	5021 NE 13th Ave. Basin Unit #6	100	0	0	0	0	0	07/17/92	06/26/93
MWL	5083	5026 NE 13th Ave. Basin Unit #7	100	0	0	0	0	0	07/23/92	08/03/93
FSR	5083	5058 NE 13th Ave. Basin Unit #8	100	0	0	0	0	0	09/18/92	06/14/95
MWL	5083	5059 NE 13th Ave. Basin Unit #11	100	0	0	0	0	0	09/18/92	07/13/93
MWL	5083	5060 NE 13th Ave. Basin Unit #9	100	0	0	0	0	0	09/18/92	07/13/93
MWL	5083	5061 NE 13th Ave. Basin Unit #10	100	0	0	0	0	0	09/18/92	08/19/93
MWL	5083	5070 NE 13th Ave. Basin Unit #12	100	0	0	0	0	0	10/12/92	08/18/93
MWL	5083	5071 NE 13th Ave. Basin Unit #13	100	0	0	0	0	0	10/19/92	07/17/93
MWL	5083	5072 NE 13th Ave. Basin Unit #14	100	0	0	0	0	0	10/19/92	10/24/93
MWL	5083	5073 NE 13th Ave. Basin Unit #15	100	0	0	0	0	0	10/19/92	10/20/93
MWL	5083	5074 NE 13th Ave. Basin Unit #16	100	0	0	0	0	0	10/19/92	08/13/93
MWL	5083	5083 Stormwater Infiltration Sumps	33	4,019,800	3,155,290	25,557	26,000	3,129,290	09/29/89	12/01/11
MWL	5083	5095 13th Ave./Fiske Basin	100	0	0	0	0	0	11/26/92	11/25/93
MWL	5083	5112 N. Portland Sumps	100	0	0	0	0	0	12/17/92	04/16/93
FSR	5083	5113 Fiske Sumps #2	100	0	0	0	0	0	11/15/93	03/15/95
MWL	5083	5114 Fiske Sumps #3	100	0	0	0	0	0	11/15/93	06/30/94
MWL	5083	5115 Fiske Sumps #4	96	0	0	392,280	535,000	-535,000	07/01/94	07/29/96
MWL	5083	5120 Willamette Basin Sumps	100	0	0	0	0	0	01/14/93	06/03/93
MWL	5083	5123 N. Portland Sumps, Phase 2	100	0	0	0	0	0	02/11/93	04/24/93
MWL	5083	5124 Willamette Test Sumps Units #4, 5, & 6	100	0	0	0	0	0	01/14/93	07/09/93
MWL	5083	5125 Willamette Test Sumps Units #1 & 2	100	0	0	0	0	0	01/14/93	06/03/93
MWL	5083	5164 Albina Basin Unit #1	100	0	0	0	0	0	05/10/93	01/13/94
MWL	5083	5165 Albina Basin Unit #2	100	0	0	0	0	0	05/10/93	03/01/94
MWL	5083	5166 Albina Basin Unit #3	100	0	0	0	0	0	05/06/93	06/30/94
MWL	5083	5167 Albina Basin Unit #4	100	0	0	0	0	0	05/06/93	06/30/94
MWL	5083	5168 Albina Basin Unit #5	100	0	0	0	0	0	05/10/93	01/11/94
MWL	5083	5169 Albina Basin Unit #6	100	0	0	0	0	0	05/10/93	03/22/94
MWL	5083	5170 Fenwick Basin	100	0	0	0	0	0	05/10/93	01/27/94
MWL	5083	5231 Kenton Basin #1 - 3	100	0	0	0	0	0	08/11/93	03/15/94
MWL	5083	5232 Kenton Basin #4	100	0	0	0	0	0	08/11/93	06/18/94
MWL	5083	5240 Bayard Basin Unit #1	100	0	0	0	0	0	08/26/93	04/15/94
FSR	5083	5241 Bayard Basin Units #2 - 3	100	0	0	0	0	0	08/26/93	07/15/94

Portland Bureau of Environmental Services -- Combined Sewer Overflow Program



FY 95 - 96 Budget and Expenditures

Proj Mgr	Proj No.	Project Description	%	FY Budget	Revised FY Budget	FY Exp thru AP12	FY Estimate	Estm/Rev Budget Var	Scheduled Start	Scheduled Finish	
MWL	5083	5242	Bayard Basin Unit #4	100	0	0	0	0	08/26/93	05/27/94	
MWL	5083	5243	Bayard Basin Units #5 - 6	100	0	0	0	0	08/27/93	07/20/94	
MWL	5083	5244	Chautauqua Basin	100	0	0	0	0	08/27/93	07/22/94	
DTM	5083	5278	NE Col. Consol. Sewer	100	0	0	0	0	11/18/93	10/28/94	
MWL	5083	5280	Willamette Test Sump #7	100	0	0	0	0	12/09/93	07/19/94	
MWL	5083	5342	Lents Basin Phase #5	100	0	0	8,159	8,900	-8,900	05/10/94	10/04/95
FSR	5083	5343	13th Ave Basin Unit 17	100	0	0	0	0	05/24/94	06/21/95	
FSR	5083	5344	Vancouver Basin Unit 3	100	0	0	0	0	05/26/94	01/25/95	
FSR	5083	5381	Sullivan Unit #1	100	0	0	0	0	06/13/94	06/21/95	
MWL	5083	5382	Sullivan Unit #2	100	0	0	2,022	1,800	-1,800	07/11/94	07/05/95
MWL	5083	5383	Sullivan Unit #3	100	0	0	186,024	232,000	-232,000	07/01/94	03/28/96
MWL	5083	5384	Sullivan Unit #4		0	0	0	0			
MWL	5083	5421	Stark Basin CSO Sump Project, Unit 1	100	0	0	0	250	-250	09/19/94	01/31/95
MWL	5083	5422	Stark Basin CSO Sump Project, Unit 2	100	0	0	729,642	778,939	-778,939	09/26/94	01/19/96
FSR	5083	5423	Stark Basin CSO Sump Project, Unit 3	100	0	0	87,065	110,000	-110,000	09/26/94	11/11/95
MWL	5083	5424	Stark Basin CSO Sump Project, Unit 4	75	0	0	8,359	95,000	-95,000	12/06/94	01/15/97
MWL	5083	5425	Stark Basin CSO Sump Project, Unit 5/6	40	0	0	2,390	2,500	-2,500	09/16/94	03/08/99
MWL	5083	5426	Stark Basin CSO Sump Project, Unit 6	100	0	0	0	0	0	09/16/94	04/03/95
MWL	5083	5427	Stark Basin CSO Sump Project, Unit 7	58	0	0	7,954	8,000	-8,000	09/16/94	03/02/98
MWL	5083	5456	Insley Basin Unit 1	74	0	0	16,155	50,000	-50,000	12/12/94	02/18/97
MWL	5083	5463	Taggart Basin Unit 1	100	0	0	638,150	724,280	-724,280	12/08/94	05/30/96
MWL	5083	5491	Taggart Basin #2 & #3	70	0	0	7,653	15,000	-15,000	01/11/95	03/17/97
MWL	5083	5492	(formerly Taggart Basin #3)	100	0	0	0	0	0	01/18/95	05/22/95
MWL	5083	5493	Taggart Basin #4	49	0	0	2,162	2,750	-2,750	03/15/95	12/31/97
MWL	5083	5494	Taggart Basin #5	40	0	0	0	5,250	-5,250	05/08/95	04/08/98
MWL	5083	5495	Taggart Basin #6	41	0	0	1,121	1,750	-1,750	03/15/95	06/03/98
MWL	5083	5496	Insley Basin #2	82	0	0	22,667	35,000	-35,000	01/11/95	11/20/96
MWL	5083	5497	Insley Basin #3	70	0	0	16,000	16,000	-16,000	01/18/95	02/18/97
MWL	5083	5498	Insley Basin #4	39	0	0	6,181	8,500	-8,500	01/18/95	09/23/98
MWL	5083	5779	Willamette Test Sump Unit #8	66	95,000	0	12,076	95,000	-95,000	01/23/96	08/30/96
MWL	5083	5795	North Denver & North McClellan Sump	46	0	0	281	10,000	-10,000	03/11/96	12/18/96
MWL	5083	5846	Willamette Test Station No. 9	36	0	0	2,998	3,600	-3,600	04/22/96	10/03/96
		5083 Group			4,114,800	3,155,290	2,174,896	2,765,519	389,771		
	5147										
JKS	5147	5147	St. Johns 'B' Basin South	100	0	121,280	99,732	121,280	0	07/01/93	01/31/96
JKS	5147	5154	St. Johns 'B' Basin North	100	0	0	0	0	0	05/06/93	03/23/94
JKS	5147	5155	St. Johns 'B' Basin Test Sumps	100	0	0	12	20	-20	04/15/93	07/11/93
		5147 Group			0	121,280	99,744	121,300	-20		
	5161										
BFG	5161	5161	Downspout Disconnection Program	42	2,212,000	467,670	274,964	467,670	0	01/16/95	03/31/00
BFG	5161	5808	Downspout Disconnections in Alameda Neighb	17	0	0	1,272	0	0	03/01/96	03/02/98

Portland Bureau of Environmental Services -- Combined Sewer Overflow Program

FY 95 - 96 Budget and Expenditures



Proj Mgr	Proj No.	Project Description	%	FY Budget	Revised FY Budget	FY Exp thru AP12	FY Estimate	Estm/Rev Budget Var	Scheduled Start	Scheduled Finish
BFG	5161 5809	Downspout Disconnections in Beaumont-Wils	17	0	0	530	0	0	03/01/96	03/02/98
BFG	5161 5810	Downspout Disconnections in Boise Neighbor	17	0	0	0	0	0	03/01/96	03/02/98
BFG	5161 5811	Downspout Disconnections in Humboldt Neighb	33	0	0	265	0	0	03/01/96	03/03/97
BFG	5161 5812	Downspout Disconnections in King Neighborh	17	0	0	265	0	0	03/01/96	03/02/98
BFG	5161 5813	Downspout Disconnections in Overlook Neigh	17	0	0	0	0	0	03/01/96	03/02/98
BFG	5161 5814	Downspout Disconnections in Sabin Neighbor	17	0	0	371	0	0	03/01/96	03/02/98
		5161 Group		2,212,000	467,670	277,667	467,670	0		
	5186									
MAB	5186 5186	Ramsey Lake Constructed Wetlands	56	1,070,300	2,535,820	1,218,465	2,088,322	447,498	09/01/93	08/18/98
MAB	5186 5666	Ramsey Predator Cont	22	0	0	193	10,000	-10,000	02/01/96	12/29/97
MAB	5186 5667	Ramsey Wetland Plant	91	0	0	152,170	240,000	-240,000	07/05/95	07/29/96
MAB	5186 5668	Ramsey Planting	61	0	0	77,484	141,121	-141,121	07/05/95	10/01/97
MAB	5186 5669	Ramsey Weed Control	17	0	0	78	15,000	-15,000	03/29/96	10/01/97
		5186 Group		1,070,300	2,535,820	1,448,390	2,494,443	41,377		
	5249									
MWL	5249 5249	Fiske 'B' Basin Local Separation	85	0	385,890	125,691	130,000	255,890	05/02/94	12/31/96
MWL	5249 5730	Fiske 'B' WTF	61	0	0	12,997	360,000	-360,000	11/18/94	08/15/97
		5249 Group		0	385,890	138,688	490,000	-104,110		
	5322									
MAB	5322 5322	Tanner Creek/Nicolai	28	577,826	777,290	8,425	12,000	765,290	07/01/94	09/05/01
MAB	5322 5406	Tanner Creek Sewer: Phase 1	48	0	0	112,368	330,760	-330,760	07/01/94	11/04/98
MAB	5322 5407	Tanner Creek Sewer: Phase 4	42	0	0	128,082	441,010	-441,010	07/01/94	09/28/99
MAB	5322 5500	Tanner Creek Sewer: Phase 2	0	0	0	2,171	500,000	-500,000	09/02/97	06/30/00
MAB	5322 5501	Tanner Creek Sewer: Phase 3	0	0	0	0	0	0	09/02/97	09/05/01
MAB	5322 5664	Tanner Creek Phase 1, Unit 1	91	0	0	59,674	585,000	-585,000	10/03/94	08/26/96
		5322 Group		577,826	777,290	310,720	1,868,770	-1,091,480		
	5380									
MWL	5380 5254	Sellwood Basin Test Sump	100	0	0	0	0	0	09/27/93	03/08/94
MWL	5380 5380	Sellwood Basin Local Separation	38	100,000	667,030	10,474	22,050	644,980	07/01/94	04/17/00
MWL	5380 5459	Sellwood-Sump Unit 1	100	0	0	475,332	477,000	-477,000	12/19/94	12/13/95
MWL	5380 5489	Sellwood Basin #2	100	0	0	484,587	489,000	-489,000	12/16/94	01/16/96
		5380 Group		100,000	667,030	970,393	988,050	-321,020		
	5539									
JML	5539 5539	Willamette Basin Preliminary Engineering	7	802,900	1,253,000	62,813	240,000	1,013,000	05/01/95	12/01/11
JML	5539 5540	CSO Regulatory Issues	7	0	0	31,808	35,000	-35,000	05/01/95	12/01/11
JML	5539 5541	CSO Groundwater	7	0	0	12,951	15,000	-15,000	05/01/95	12/01/11
JML	5539 5542	CSO Planning	7	0	0	133,490	170,000	-170,000	05/01/95	12/01/11
JML	5539 5543	CSO Modeling	7	0	0	208,559	260,000	-260,000	05/01/95	12/01/11
		5539 Group		802,900	1,253,000	449,621	720,000	533,000		
	5612									

Portland Bureau of Environmental Services -- Combined Sewer Overflow Program



FY 95 - 96 Budget and Expenditures

Proj Mgr	Proj No.	Project Description	%	FY Budget	Revised FY Budget	FY Exp thru AP12	FY Estimate	Estm/Rev Budget Var	Scheduled Start	Scheduled Finish
BFG	5612 5612	Downspout Disc Grant	43		596,186	3,432	150,000	446,186	01/03/95	06/30/98
BFG	5612 5615	Discon Arbor Grant	43		0	1,749	0	0	01/03/95	06/30/98
BFG	5612 5616	Discon Woodlawn Grant	43		0	1,802	0	0	01/03/95	06/30/98
BFG	5612 5617	Discon Concordia Grant	43		0	4,291	0	0	01/03/95	06/30/98
BFG	5612 5618	Discon Vernon Grant	43		0	805	0	0	01/03/95	06/30/98
BFG	5612 5619	Discon Alameda Grant	43		0	1,808	0	0	01/03/95	06/30/98
BFG	5612 5620	Discon Overlook Grant	43		0	530	0	0	01/03/95	06/30/98
BFG	5612 5658	Discon Kenton Grant	64		0	672	0	0	08/01/95	12/31/96
BFG	5612 5743	Discon Portsmouth Grant	78	0	0	106	0	0	01/03/95	12/02/96
BFG	5612 5744	Discon University Park Grant	78	0	0	636	0	0	01/03/95	12/02/96
BFG	5612 5815	Dwnspt Discon Grant in Beaumont-Wilshire Ar	17	0	0	424	0	0	03/01/96	03/02/98
BFG	5612 5816	Dwnspt Discon Grant in King Area	17	0	0	318	0	0	03/01/96	03/02/98
BFG	5612 5817	Dwnspt Discon Grant in Humbolt Area	17	0	0	477	0	0	03/01/96	03/02/98
BFG	5612 5818	Dwnspt Discon Grant in Piedmont Area	17	0	0	848	0	0	03/01/96	03/02/98
BFG	5612 5819	Dwnspt Discon Grant in Sabin Area	17	0	0	212	0	0	03/01/96	03/02/98
		5612 Group		0	596,186	18,110	150,000	446,186		
		Cornerstone Projects		16,524,126	19,642,776	12,809,229	19,280,292	106,834		
Columbia Slough Projects										
ETS	5086	Slough Screen Pipe Study	100	0	0	0	0	0	10/23/92	08/11/94
DTM	5212	Col/Lmbd Interceptor	100	0	0	0	0	0	07/01/93	06/30/94
JDG	5302	Columbia Blvd WWT Facility Outfall	40	511,400	627,770	86,372	205,000	422,770	07/01/94	08/03/99
EKL	5323	SLRT Calibration	71	356,700	275,630	81,805	195,000	80,630	02/15/94	06/30/97
JKS	5332	Columbia Slough Consolidation Conduit	29	4,459,900	4,522,910	3,140,861	4,210,000	312,910	08/05/94	09/13/00
SES	5457	Col. Sl. Basin WWTF Site Plan Update	100	0	55,130	37,363	40,000	15,130	08/01/94	12/29/95
VXH	5480	Columbia Blvd Wet Weather Treatment Facilit	18	786,316	2,515,610	770,865	1,900,000	615,610	08/01/94	10/13/00
VXH	5499	Columbia Blvd WWTF Influent Pump Station	18	180,342	156,294	64,131	156,294	0	11/06/95	06/12/00
JML	FPLN	CSO Planning	61	0	0	0	0	0	01/02/89	12/01/00
		Group		6,294,658	8,153,344	4,181,397	6,706,294	1,447,050		
		Columbia Slough Projects		6,294,658	8,153,344	4,181,397	6,706,294	1,447,050		

Portland Bureau of Environmental Services -- Combined Sewer Overflow Program



FY 95 - 96 Budget and Expenditures

Proj Mgr	Proj No.	Project Description	%	FY Budget	Revised FY Budget	FY Exp thru AP12	FY Estimate	Estm/Rev Budget Var	Scheduled Start	Scheduled Finish
Willamette Projects										
RJM	5478	Cathedral Park Water Quality Facility	78	501,700	777,280	5,229	5,229	772,051	07/01/94	01/31/97
RJM	5481	Willamette Site Acquisition	77	83,200	93,720	254,106	258,010	-164,290	01/02/95	12/31/96
UNK	5502	California Storage	0	0		0	0		01/02/98	06/28/02
UNK	5507	Balch River Crossing	0	0		0	0		07/01/98	02/17/06
UNK	5508	Balch Pump Station	0	0		0	0		07/01/98	04/17/06
UNK	5509	Ankeny Pump Station Upgrade	0	0		0	0		07/01/98	12/31/03
UNK	5510	Ankeny/Balch Consolidation Conduit	0	0	0	0	0	0	01/04/99	06/30/03
UNK	5511	Woods/Sheridan/Mill Consol.Conduit	0	0		0	0		01/04/99	09/30/03
LJO	5512	Willamette River WWT Facility Phase 1	0	0		0	0		09/29/97	12/20/05
UNK	5513	Willamette WWTF Phase 2	0	0		0	0		12/03/01	09/23/09
UNK	5514	Ankeny Force Main	0	0		0	0		01/03/00	12/31/03
UNK	5515	Willamette WWT Facility Outfall	0	0		0	0		09/11/00	10/21/05
UNK	5516	East Tunnel	0	0		0	0		12/06/02	06/10/11
UNK	5517	East Tunnel Drop Shafts	0	0		0	0		09/01/03	06/10/11
UNK	5518	Willamette WWTF Influent Pump Station	0	0		0	0		09/08/04	04/14/11
UNK	5523	California Consolidation Conduit	0	0		0	0		10/01/98	09/25/02
		Group		584,900	871,000	259,335	263,239	607,761		
		Willamette Projects		584,900	871,000	259,335	263,239	607,761		
		Grand Total:		23,403,684	28,667,120	17,249,961	26,249,825	2,161,645		

Portland Bureau of Environmental Services -- Combined Sewer Overflow Program

Approved Facilities Plan Baseline Budget and Schedule



Proj Mgr	Proj No.	Project Description	%	Baseline Budget	Exp to Date thru AP12	Estimate at Completion	Bdgt/Est Variance	Schedule Start	Scheduled Finish
Cornerstone Projects									
Group									
LXD	0180	CSO Direct Support	4	0	5,744,370	59,203,388	-59,203,388	07/01/95	11/30/12
EKL	5017	T04 Drainage & Storms	100	0	307,783	307,783	-307,783	07/08/92	06/11/93
DTM	5037	NW 110th Ave. (Linnton) CSO Control	0	610,000	49,080	622,371	-12,371	07/01/96	02/23/99
LAK	5213	CSO Phase 1 - Design & Construction	100	15,000	7,844	7,844	7,156	07/01/93	06/30/94
LCS	5266	St. Johns 'A' Basin Sewer Separation	95	4,800,000	3,230,169	3,260,000	1,540,000	11/02/93	08/30/96
LCS	5273	Ramsey Lake Storm Trunk	83	4,000,000	959,965	3,700,000	300,000	11/02/93	02/11/97
LCS	5291	Oregonian Basin Separation	41	2,600,000	6,560	2,755,979	-155,979	11/01/94	08/06/98
LCS	5292	Oswego Basin Separation	35	6,300,000	13,913	5,842,500	457,500	07/03/95	08/19/98
MMV	5379	CSO W. Hydraulic Ana (Cancelled)		0	0	0	0		
JDC	5479	St. Johns 'B' Separation Phase 2	0	62,000	1,440	100,000	-38,000	07/01/96	06/26/97
UNK	5503	Western Half Lents 1 Separation	0	2,300,000	0	2,415,925	-115,925	07/01/98	02/01/01
UNK	5504	Woods Stream Diversion	0	1,500,000	0	1,500,000	0	07/01/98	06/29/01
UNK	5505	Sheridan Stream Diversion	0	5,000,000	0	5,000,000	0	07/01/98	06/29/01
UNK	5506	Carolina Stream Diversion	0	2,300,000	0	2,300,000	0	07/01/98	06/29/01
BFG	5604	Downspout MWEB Grant	60	0	0	110	-110	01/03/95	06/30/97
MAB	5606	Poll Reduction Grant	95	0	750,000	750,000	-750,000	01/03/95	07/29/96
		Group		29,487,000	11,071,124	87,765,900	-58,278,900		
4348 Group									
EAD	4348	4348 CSO Management Plan	100	29,800,000	10,122,793	10,155,339	19,644,661	09/15/90	06/30/95
HGS	4348	4992 SFO Compliance - CSO Monitoring	100	435,000	371,494	371,494	63,506	04/03/92	11/06/92
		4348 Group		30,235,000	10,494,287	10,526,833	19,708,167		
4539 Group									
LMH	4539	4539 Diversion Reconstruction Study	97	600,000	425,855	514,037	85,963	05/11/94	07/29/96
MAB	4539	5038 Jefferson Basin Separation	100	125,000	98,562	98,562	26,438	07/01/94	08/01/94
FSR	4539	5265 Sewer DMH MOD-PH2	100	525,000	665,879	665,879	-140,879	07/01/94	06/15/95
GML	4539	5336 NW 29th & 31st Diversion	100	80,000	234,017	235,000	-155,000	05/11/94	08/31/95
		4539 Group		1,330,000	1,424,313	1,513,478	-183,478		
4758 Group									
MWL	4758	4758 N. Vancouver Basin Relief	100	555,000	511,403	511,403	43,597	08/20/90	07/31/92
MWL	4758	4947 N. Vancouver CSO Project #2	100	400,000	373,600	373,600	26,400	01/01/92	07/31/92
		4758 Group		955,000	885,003	885,003	69,997		
4802 Group									
MWL	4802	4802 Lents Sewer Relief	100	665,000	618,065	618,065	46,935	02/08/91	07/31/92
MWL	4802	4950 Lents Basin - Phase 2	100	570,000	542,933	542,933	27,067	01/23/92	07/31/92
MWL	4802	4951 Lents Basin - Phase 3	100	385,000	359,522	359,522	25,478	01/23/92	07/31/92
MWL	4802	4957 Lents Basin - Phase 4	100	350,000	330,338	330,388	19,612	01/30/92	06/25/92
		4802 Group		1,970,000	1,850,858	1,850,908	119,092		

Portland Bureau of Environmental Services -- Combined Sewer Overflow Program
Approved Facilities Plan Baseline Budget and Schedule



Proj Mgr	Proj No.	Project Description	%	Baseline Budget	Exp to Date thru AP12	Estimate at Completion	Bdgt/Est Variance	Schedule Start	Scheduled Finish
5083 Group									
MWL	5083	4630 NE 13th Ave. Basin - Phase 5	100	775,000	769,058	769,058	5,942	09/29/89	04/24/92
MWL	5083	4930 NE 13th Ave. Basin CSO Reduction	100	525,000	489,096	489,096	35,904	11/01/91	08/14/92
MWL	5083	4948 NE 13th Ave. Basin CSO Reduction Unit #2	100	405,000	388,465	388,465	16,535	01/15/91	08/19/92
MWL	5083	5012 NE 13th Ave. Basin Unit #3	100	565,000	540,142	540,142	24,858	06/22/92	03/11/93
MWL	5083	5013 NE 13th Ave. Basin Unit #4	100	515,000	500,500	500,500	14,500	06/22/92	03/16/93
MWL	5083	5019 NE 13th Ave. Basin Unit #5	100	500,000	475,873	475,873	24,127	07/17/92	03/31/93
MWL	5083	5020 Fiske Basin - Phase 1	100	400,000	382,255	382,255	17,745	07/17/92	10/12/93
MWL	5083	5021 NE 13th Ave. Basin Unit #6	100	510,000	491,754	491,754	18,246	07/17/92	06/26/93
MWL	5083	5026 NE 13th Ave. Basin Unit #7	100	415,000	405,298	405,298	9,702	07/23/92	08/03/93
FSR	5083	5058 NE 13th Ave. Basin Unit #8	100	750,000	631,899	631,899	118,101	09/18/92	06/14/95
MWL	5083	5059 NE 13th Ave. Basin Unit #11	100	315,000	305,180	305,180	9,820	09/18/92	07/13/93
MWL	5083	5060 NE 13th Ave. Basin Unit #9	100	318,000	307,763	307,763	10,237	09/18/92	07/13/93
MWL	5083	5061 NE 13th Ave. Basin Unit #10	100	382,000	374,393	374,393	7,607	09/18/92	08/19/93
MWL	5083	5070 NE 13th Ave. Basin Unit #12	100	355,000	347,570	347,570	7,430	10/12/92	08/18/93
MWL	5083	5071 NE 13th Ave. Basin Unit #13	100	218,500	209,825	209,825	8,675	10/19/92	07/17/93
MWL	5083	5072 NE 13th Ave. Basin Unit #14	100	340,000	328,763	328,763	11,237	10/19/92	10/24/93
MWL	5083	5073 NE 13th Ave. Basin Unit #15	100	400,000	387,538	387,538	12,462	10/19/92	10/20/93
MWL	5083	5074 NE 13th Ave. Basin Unit #16	100	385,000	374,986	374,986	10,014	10/19/92	08/13/93
MWL	5083	5083 Stormwater Infiltration Sumps	33	19,200,000	166,056	370,000	18,830,000	09/29/89	12/01/11
MWL	5083	5095 13th Ave./Fiske Basin	100	10,000	7,022	7,022	2,978	11/26/92	11/25/93
MWL	5083	5112 N. Portland Sumps	100	52,000	48,721	48,721	3,279	12/17/92	04/16/93
FSR	5083	5113 Fiske Sumps #2	100	1,350,000	1,194,390	1,194,390	155,610	11/15/93	03/15/95
MWL	5083	5114 Fiske Sumps #3	100	0	0	0	0	11/15/93	06/30/94
MWL	5083	5115 Fiske Sumps #4	96	495,000	728,451	729,000	-234,000	07/01/94	07/29/96
MWL	5083	5120 Willamette Basin Sumps	100	50,000	44,919	44,919	5,081	01/14/93	06/03/93
MWL	5083	5123 N. Portland Sumps, Phase 2	100	45,000	42,651	42,651	2,349	02/11/93	04/24/93
MWL	5083	5124 Willamette Test Sumps Units #4, 5, & 6	100	120,000	115,701	115,701	4,299	01/14/93	07/09/93
MWL	5083	5125 Willamette Test Sumps Units #1 & 2	100	90,000	86,891	86,891	3,109	01/14/93	06/03/93
MWL	5083	5164 Albina Basin Unit #1	100	455,000	440,783	440,783	14,217	05/10/93	01/13/94
MWL	5083	5165 Albina Basin Unit #2	100	1,040,000	985,329	985,031	54,969	05/10/93	03/01/94
MWL	5083	5166 Albina Basin Unit #3	100	1,000	0	118	882	05/06/93	06/30/94
MWL	5083	5167 Albina Basin Unit #4	100	1,000	0	180	820	05/06/93	06/30/94
MWL	5083	5168 Albina Basin Unit #5	100	400,000	379,639	379,639	20,361	05/10/93	01/11/94
MWL	5083	5169 Albina Basin Unit #6	100	465,000	435,278	435,278	29,722	05/10/93	03/22/94
MWL	5083	5170 Fenwick Basin	100	510,000	471,661	471,661	38,339	05/10/93	01/27/94
MWL	5083	5231 Kenton Basin #1 - 3	100	930,000	918,477	918,477	11,523	08/11/93	03/15/94
MWL	5083	5232 Kenton Basin #4	100	585,000	567,181	567,181	17,819	08/11/93	06/18/94
MWL	5083	5240 Bayard Basin Unit #1	100	210,000	198,222	198,222	11,778	08/26/93	04/15/94
FSR	5083	5241 Bayard Basin Units #2 - 3	100	840,000	794,023	794,023	45,977	08/26/93	07/15/94
MWL	5083	5242 Bayard Basin Unit #4	100	375,000	358,911	358,911	16,089	08/26/93	05/27/94

Portland Bureau of Environmental Services -- Combined Sewer Overflow Program

Approved Facilities Plan Baseline Budget and Schedule



Proj Mgr	Proj No.	Project Description	%	Baseline Budget	Exp to Date thru AP12	Estimate at Completion	Bdg/Est Variance	Schedule Start	Scheduled Finish
MWL	5083 5243	Bayard Basin Units #5 - 6	100	730,000	705,354	705,354	24,646	08/27/93	07/20/94
MWL	5083 5244	Chautauqua Basin	100	320,000	307,591	307,591	12,409	08/27/93	07/22/94
DTM	5083 5278	NE Col. Consol. Sewer	100	0	0	0	0	11/18/93	10/28/94
MWL	5083 5280	Willamette Test Sump #7	100	412,000	391,488	391,488	20,512	12/09/93	07/19/94
MWL	5083 5342	Lents Basin Phase #5	100	642,000	546,522	547,000	95,000	05/10/94	10/04/95
FSR	5083 5343	13th Ave Basin Unit 17	100	300,000	260,209	260,209	39,791	05/24/94	06/21/95
FSR	5083 5344	Vancouver Basin Unit 3	100	120,000	116,989	116,989	3,011	05/26/94	01/25/95
FSR	5083 5381	Sullivan Unit #1	100	400,000	344,290	344,290	55,710	06/13/94	06/21/95
MWL	5083 5382	Sullivan Unit #2	100	350,000	366,611	367,000	-17,000	07/11/94	07/05/95
MWL	5083 5383	Sullivan Unit #3	100	1,000,000	508,040	580,000	420,000	07/01/94	03/28/96
MWL	5083 5384	Sullivan Unit #4		0	0	0	0		
MWL	5083 5421	Stark Basin CSO Sump Project, Unit 1	100	5,000	7,170	7,170	-2,170	09/19/94	01/31/95
MWL	5083 5422	Stark Basin CSO Sump Project, Unit 2	100	1,055,000	779,390	795,052	259,948	09/26/94	01/19/96
FSR	5083 5423	Stark Basin CSO Sump Project, Unit 3	100	560,000	566,421	566,421	-6,421	09/26/94	11/11/95
MWL	5083 5424	Stark Basin CSO Sump Project, Unit 4	75	680,000	20,317	735,000	-55,000	12/06/94	01/15/97
MWL	5083 5425	Stark Basin CSO Sump Project, Unit 5/6	40	420,000	28,533	377,000	43,000	09/16/94	03/08/99
MWL	5083 5426	Stark Basin CSO Sump Project, Unit 6	100	610,000	0	0	610,000	09/16/94	04/03/95
MWL	5083 5427	Stark Basin CSO Sump Project, Unit 7	58	320,000	15,860	201,000	119,000	09/16/94	03/02/98
MWL	5083 5456	Insley Basin Unit 1	74	485,000	36,566	300,000	185,000	12/12/94	02/18/97
MWL	5083 5463	Taggart Basin Unit 1	100	600,000	658,443	704,000	-104,000	12/08/94	05/30/96
MWL	5083 5491	Taggart Basin #2 & #3	70	1,326,000	33,735	359,000	967,000	01/11/95	03/17/97
MWL	5083 5492	(formerly Taggart Basin #3)	100	34,000	0	12,934	21,066	01/18/95	05/22/95
MWL	5083 5493	Taggart Basin #4	49	680,000	8,357	269,000	411,000	03/15/95	12/31/97
MWL	5083 5494	Taggart Basin #5	40	690,000	4,585	286,000	404,000	05/08/95	04/08/98
MWL	5083 5495	Taggart Basin #6	41	950,000	8,672	302,000	648,000	03/15/95	06/03/98
MWL	5083 5496	Insley Basin #2	82	550,000	25,754	235,000	315,000	01/11/95	11/20/96
MWL	5083 5497	Insley Basin #3	70	500,000	30,386	260,500	239,500	01/18/95	02/18/97
MWL	5083 5498	Insley Basin #4	39	720,000	12,025	272,000	448,000	01/18/95	09/23/98
MWL	5083 5779	Willamette Test Sump Unit #8	66	0	12,076	105,000	-105,000	01/23/96	08/30/96
MWL	5083 5795	North Denver & North McClellen Sump	46	0	281	10,000	-10,000	03/11/96	12/18/96
MWL	5083 5846	Willamette Test Station No. 9	36		2,998	2,400		04/22/96	10/03/96
		5083 Group		49,756,500	21,493,327	25,318,555	24,440,345		
		5147 Group							
JKS	5147 5147	St. Johns 'B' Basin South	100	5,500,000	5,320,601	5,400,000	100,000	07/01/93	01/31/96
JKS	5147 5154	St. Johns 'B' Basin North	100	13,000	12,174	12,174	826	05/06/93	03/23/94
JKS	5147 5155	St. Johns 'B' Basin Test Sumps	100	55,000	47,391	47,391	7,609	04/15/93	07/11/93
		5147 Group		5,568,000	5,380,166	5,459,565	108,435		
		5161 Group							
BFG	5161 5161	Downspout Disconnection Program	42	30,000,000	588,430	25,000,000	5,000,000	01/16/95	03/31/00
BFG	5161 5808	Downspout Disconnections in Alameda Neiqhb	17		1,272	0		03/01/96	03/02/98

Portland Bureau of Environmental Services -- Combined Sewer Overflow Program
Approved Facilities Plan Baseline Budget and Schedule



Proj Mgr	Proj No.	Project Description	%	Baseline Budget	Exp to Date thru AP12	Estimate at Completion	Bdg/Est Variance	Schedule Start	Scheduled Finish	
BFG	5161	5809	Downspout Disconnections in Beaumont-Wils	17		530	0	03/01/96	03/02/98	
BFG	5161	5810	Downspout Disconnections in Boise Neighbor	17		0	0	03/01/96	03/02/98	
BFG	5161	5811	Downspout Disconnections in Humbolt Neighb	33		265	0	03/01/96	03/03/97	
BFG	5161	5812	Downspout Disconnections in King Neighborh	17		265	0	03/01/96	03/02/98	
BFG	5161	5813	Downspout Disconnections in Overlook Neigh	17		0	0	03/01/96	03/02/98	
BFG	5161	5814	Downspout Disconnections in Sabin Neighbor	17		371	0	03/01/96	03/02/98	
		5161 Group		30,000,000	591,133	25,000,000	5,000,000			
		5186 Group								
MAB	5186	5186	Ramsey Lake Constructed Wetlands	56	1,450,000	1,565,729	2,347,056	-897,056	09/01/93	08/18/98
MAB	5186	5666	Ramsey Predator Cont	22	0	193	65,000	-65,000	02/01/96	12/29/97
MAB	5186	5667	Ramsey Wetland Plant	91	0	163,356	240,000	-240,000	07/05/95	07/29/96
MAB	5186	5668	Ramsey Planting	61	0	111,444	350,000	-350,000	07/05/95	10/01/97
MAB	5186	5669	Ramsey Weed Control	17	0	78	15,000	-15,000	03/29/96	10/01/97
		5186 Group		1,450,000	1,840,800	3,017,056	-1,567,056			
		5249 Group								
MWL	5249	5249	Fiske 'B' Basin Local Separation	85	4,500,000	268,305	1,300,000	3,200,000	05/02/94	12/31/96
MWL	5249	5730	Fiske 'B' WTF	61	0	12,997	1,100,000	-1,100,000	11/18/94	08/15/97
		5249 Group		4,500,000	281,302	2,400,000	2,100,000			
		5322 Group								
MAB	5322	5322	Tanner Creek/Nicolai	28	100,000	27,738	375,000	-275,000	07/01/94	09/05/01
MAB	5322	5406	Tanner Creek Sewer: Phase 1	48	6,125,000	258,949	5,544,854	580,146	07/01/94	11/04/98
MAB	5322	5407	Tanner Creek Sewer: Phase 4	42	4,800,000	379,156	4,961,298	-161,298	07/01/94	09/28/99
MAB	5322	5500	Tanner Creek Sewer: Phase 2	0	5,000,000	2,171	5,209,424	-209,424	09/02/97	06/30/00
MAB	5322	5501	Tanner Creek Sewer: Phase 3	0	5,000,000	0	5,209,424	-209,424	09/02/97	09/05/01
MAB	5322	5664	Tanner Creek Phase 1, Unit 1	91	0	173,968	640,000	-640,000	10/03/94	08/26/96
		5322 Group		21,025,000	841,982	21,940,000	-915,000			
		5380 Group								
MWL	5380	5254	Sellwood Basin Test Sump	100	68,000	57,208	57,208	10,792	09/27/93	03/08/94
MWL	5380	5380	Sellwood Basin Local Separation	38	7,766,000	23,803	1,100,000	6,666,000	07/01/94	04/17/00
MWL	5380	5459	Sellwood-Sump Unit 1	100	600,000	499,167	500,000	100,000	12/19/94	12/13/95
MWL	5380	5489	Sellwood Basin #2	100	490,000	496,105	510,000	-20,000	12/16/94	01/16/96
		5380 Group		8,924,000	1,076,283	2,167,208	6,756,792			
		5539 Group								
JML	5539	5539	Willamette Basin Preliminary Engineering	7	10,000	125,937	500,000	-490,000	05/01/95	12/01/11
JML	5539	5540	CSO Regulatory Issues	7	50,000	37,338	141,761	-91,761	05/01/95	12/01/11
JML	5539	5541	CSO Groundwater	7	50,000	16,457	288,000	-238,000	05/01/95	12/01/11
JML	5539	5542	CSO Planning	7	50,000	143,135	1,820,000	-1,770,000	05/01/95	12/01/11
JML	5539	5543	CSO Modeling	7	50,000	278,381	1,445,760	-1,395,760	05/01/95	12/01/11
		5539 Group		210,000	601,248	4,195,521	-3,985,521			

Portland Bureau of Environmental Services -- Combined Sewer Overflow Program

Approved Facilities Plan Baseline Budget and Schedule



Proj Mgr	Proj No.	Project Description	%	Baseline Budget	Exp to Date thru AP12	Estimate at Completion	Bdgt/Est Variance	Schedule Start	Scheduled Finish
5612 Group									
BFG	5612 5612	Downspout Disc Grant	43	0	3,432	0	0	01/03/95	06/30/98
BFG	5612 5615	Discon Arbor Grant	43	0	1,749	0	0	01/03/95	06/30/98
BFG	5612 5616	Discon Woodlawn Grant	43	0	1,961	0	0	01/03/95	06/30/98
BFG	5612 5617	Discon Concordia Grant	43	0	4,291	0	0	01/03/95	06/30/98
BFG	5612 5618	Discon Vernon Grant	43	0	805	0	0	01/03/95	06/30/98
BFG	5612 5619	Discon Alameda Grant	43	0	1,808	0	0	01/03/95	06/30/98
BFG	5612 5620	Discon Overlook Grant	43	0	530	0	0	01/03/95	06/30/98
BFG	5612 5658	Discon Kenton Grant	64	0	672	0	0	08/01/95	12/31/96
BFG	5612 5743	Discon Portsmouth Grant	78	0	106	100,000	-100,000	01/03/95	12/02/96
BFG	5612 5744	Discon University Park Grant	78	0	636	100,000	-100,000	01/03/95	12/02/96
BFG	5612 5815	Dwnspt Discon Grant in Beaumont-Wilshire Ar	17		424	0		03/01/96	03/02/98
BFG	5612 5816	Dwnspt Discon Grant in King Area	17		318	0		03/01/96	03/02/98
BFG	5612 5817	Dwnspt Discon Grant in Humbolt Area	17		477	0		03/01/96	03/02/98
BFG	5612 5818	Dwnspt Discon Grant in Piedmont Area	17		848	0		03/01/96	03/02/98
BFG	5612 5819	Dwnspt Discon Grant in Sabin Area	17		212	0		03/01/96	03/02/98
5612 Group				0	18,269	200,000	-200,000		
Cornerstone Projects				185,410,500	57,850,094	192,240,027	-6,827,127		
Columbia Slough Projects									
Group									
ETS	5086	Slough Screen Pipe Study	100	150,000	94,904	94,904	55,096	10/23/92	08/11/94
DTM	5212	Col/Lmbd Interceptor	100	35,000	19,758	20,760	14,240	07/01/93	06/30/94
JDG	5302	Columbia Blvd WWT Facility Outfall	40	22,685,000	100,639	23,349,422	-664,422	07/01/94	08/03/99
EKL	5323	SLRT Calibration	71	750,000	372,527	750,000	0	02/15/94	06/30/97
JKS	5332	Columbia Slough Consolidation Conduit	29	84,000,000	4,080,538	74,380,000	9,620,000	08/05/94	09/13/00
SES	5457	Col. Sl. Basin WWTF Site Plan Update	100	289,000	336,839	340,000	-51,000	08/01/94	12/29/95
VXH	5480	Columbia Blvd Wet Weather Treatment Facilit	18	41,801,000	783,553	45,669,498	-3,868,498	08/01/94	10/13/00
VXH	5499	Columbia Blvd WWTF Influent Pump Station	18	15,500,000	70,896	8,353,463	7,146,537	11/06/95	06/12/00
JML	FPLN	CSO Planning	61	12,743,500	0	12,743,500		01/02/89	12/01/00
Group				177,953,500	5,859,654	165,701,547	12,251,953		
Columbia Slough Projects				177,953,500	5,859,654	165,701,547	12,251,953		

Portland Bureau of Environmental Services -- Combined Sewer Overflow Program
Approved Facilities Plan Baseline Budget and Schedule



Proj Mgr	Proj No.	Project Description	%	Baseline Budget	Exp to Date thru AP12	Estimate at Completion	Bdgt/Est Variance	Schedule Start	Scheduled Finish
Willamette Projects									
	Group								
RJM	5478	Cathedral Park Water Quality Facility	78	630,000	7,299	1,195,613	-565,613	07/01/94	01/31/97
RJM	5481	Willamette Site Acquisition	77	4,000,000	2,581,005	2,600,000	1,400,000	01/02/95	12/31/96
UNK	5502	California Storage	0	10,500,000	0	10,500,000	0	01/02/98	06/28/02
UNK	5507	Balch River Crossing	0	3,800,000	0	3,800,000	0	07/01/98	02/17/06
UNK	5508	Balch Pump Station	0	21,500,000	0	21,500,000	0	07/01/98	04/17/06
UNK	5509	Ankeny Pump Station Upgrade	0	20,300,000	0	20,300,000	0	07/01/98	12/31/03
UNK	5510	Ankeny/Balch Consolidation Conduit	0	25,713,000	0	25,713,000	0	01/04/99	06/30/03
UNK	5511	Woods/Sheridan/Mill Consol.Conduit	0	4,122,000	0	4,122,000	0	01/04/99	09/30/03
LJO	5512	Willamette River WWT Facility Phase 1	0	24,755,000	0	31,011,813	-6,256,813	09/29/97	12/20/05
UNK	5513	Willamette WWTF Phase 2	0	60,526,000	0	60,526,000	0	12/03/01	09/23/09
UNK	5514	Ankeny Force Main	0	2,400,000	0	2,400,000	0	01/03/00	12/31/03
UNK	5515	Willamette WWT Facility Outfall	0	14,000,000	0	14,000,000	0	09/11/00	10/21/05
UNK	5516	East Tunnel	0	81,990,000	0	81,990,000	0	12/06/02	06/10/11
UNK	5517	East Tunnel Drop Shafts	0	32,000,000	0	32,000,000	0	09/01/03	06/10/11
UNK	5518	Willamette WWTF Influent Pump Station	0	29,200,000	0	29,200,000	0	09/08/04	04/14/11
UNK	5523	California Consolidation Conduit	0	1,200,000	0	1,200,000	0	10/01/98	09/25/02
	Group			336,636,000	2,588,304	342,058,426	-5,422,426		
		Willamette Projects		336,636,000	2,588,304	342,058,426	-5,422,426		
		Grand Total:		700,000,000	66,298,052	700,000,000			

SECTION VI

PROJECT STATUS REPORTS



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: **4539**
Project Name: **DIVERSION RECONSTRUC**
Overall Mgr Name: **HUGHES, LAURA**
Current Phase Desc: **Construction**
Current Phase Mgr: **HUGHES, LAURA**
Prime Const Firm: **Gelco Construction**
Consultant:

Project Hierarchy: **Primary**
Primary Proj#: **4539**
Program Group: **T05**
Home Org: **31**
Project Status: **Open**
Project Company: **ECIP**
Updated: **Jun 21, 1996**

	Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
Total	\$1,330,000	\$1,424,312	\$1,513,478	(\$183,478)	\$192,950	\$71,064	\$219,750	(\$26,800)
Primary	\$600,000	\$425,855	\$514,037	\$85,963	\$192,950	\$23,189	\$170,900	
Sec Sum	\$730,000	\$998,457	\$999,441	(\$269,441)	\$	\$47,875	\$48,850	

1) Project Description

This project consists of modifying diversions to improve performance and to eliminate dry weather overflows to the river. During the 1940's and 1950's, through the River Pollution Control Program, diversions were installed to intentionally direct dry weather overflows to treatment. When their capacity level (set 3 times the average flow during dry weather) exceeds its finite level, or when debris plugs the

2) Status Summary

Three projects are nested under job #4539:
#5038 Jefferson Basin Separation

This project is 100% complete. Charges for outside design services were mistakenly applied to this project number.

3) Work Accomplished During the Last Month

4) Work Planned for Next Month

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

6) Total Cost of Approved Change Orders

7) Project Cost above/below Budget > 15% ? Please explain.

Charges for outside design services were mistakenly applied to project #5038.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Diversion Reconstruction		06/28/96	96	06/30/96		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5037
Project Name: NW 110TH SEPARATION
Overall Mgr Name: MILLER, DAN
Current Phase Desc: Predesign
Current Phase Mgr: MILLER, DAN
Prime Const Firm:
Consultant:

Project Hierarchy: standAlone
Primary Proj#: 5037
Program Group: T05
Home Org: 31
Project Status: Open
Project Company: ECIP
Updated: Jun 28, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$610,000	\$49,080	\$622,371	(\$12,371)	\$23,800	\$	\$	

1) Project Description

Separation of the existing combined sewer system and for the removal of specific diversion manholes.

2) Status Summary

No work is planned on this project until FY 97

No STAT reports will be filled out until project work begins.

3) Work Accomplished During the Last Month

May 1996

No work was performed.

4) Work Planned for Next Month

June 1996

No work is planned.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

This project number could continue but it should be assigned to the CSO group. A new Success Criteria Statement would be needed.

There are a number of maintenance and reliability improvements which are needed in this basin regardless of the CSO requirements.

6) Total Cost of Approved Change Orders

N/A

7) Project Cost above/below Budget > 15% ? Please explain.

N/A

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

None

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	NW 110th Ave Sewer Separation	11/30/98	02/23/99		06/30/98		Jan 08, 1996	tnt
PSH	Predesign - NW 110th Ave Sewer Separati	01/02/97	03/26/97		06/30/98	12	Jun 28, 1996	danm
DSH	Design - NW 110th Ave Sewer Separation	06/27/97	09/19/97		06/30/98		Dec 21, 1995	SYSTEM
BSH	Advertise thru NTP - NW 110th Ave Sewer	09/26/97	12/19/97		06/30/98		Dec 21, 1995	SYSTEM
CSH	Construction - NW 110th Ave Sewer Sepa	09/28/98	12/18/98		06/30/98		Dec 21, 1995	SYSTEM
SSH	Closeout/Startup - NW 110th Ave Sewer S	11/30/98	02/23/99		06/30/98		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5083	Project Hierarchy: Primary
Project Name: STRMWTR INFILT SUMPS	Primary Proj#: 5083
Overall Mgr Name: LOSTRA, MICHELLE	Program Group: T05
Current Phase Desc: Construction	Home Org: 31
Current Phase Mgr: LOSTRA, MICHELLE	Project Status: Open
Prime Const Firm:	Project Company: ECIP
Consultant: MacKenzie/Murray, Smith/Symonds Consult	Updated: Jun 21, 1996

	Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
Total	\$49,756,500	\$21,546,407	\$25,318,555	\$24,437,945	\$3,155,290	\$2,227,793	\$2,765,519	\$389,771
Primary	\$19,200,000	\$169,097	\$370,000	\$18,830,000	\$3,155,290	\$28,597	\$26,000	
Sec Sum	\$30,556,500	\$21,377,310	\$24,948,555	\$5,607,945		\$2,199,195	\$2,739,519	

1) Project Description

This is a cornerstone project identified in the facilities plan. The work includes construction of sumps wherever feasible in an effort to reduce CSOs to the Columbia Slough and the Willamette River.

2) Status Summary

Slough basin areas complete. Sump construction in the Willamette River Basins. 100% in Sullivan Basin, 30% in Stark Basin, 10% in Taggart Basin (sumpable area) w/ sumps. Design work remain in Stark, Taggart and Insley Basins.

3) Work Accomplished During the Last Month

Advertised & awarded contract for Stark #4, Insley U1, Ph1, & Will TS #8. Advertised for bids for Insley U2, Ph 1. Continued w/ design in Taggart, Insley Basin.

4) Work Planned for Next Month

Award contract to lowest responsible bidders for Insley U2, Ph 1. Continue with design of remainder sump projects.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

Sump projects will be completed in two phases. Ph 1: Construct all sumps and test as necessary. Ph 2: Construct sed mh and inlet connections to successful sumps.

6) Total Cost of Approved Change Orders

na

7) Project Cost above/below Budget > 15% ? Please explain.

na

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

na

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	CSO Drainage Sump Program		12/01/11	31	12/29/97	5	Feb 02, 1996	david



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5115
Project Name: FISKE SUMP NO 4
Overall Mgr Name: LOSTRA, MICHELLE
Current Phase Desc: Startup/Closeout
Current Phase Mgr: RAHMAN, FAHIM
Prime Const Firm: S2 Contractors
Consultant:

Project Hierarchy: Secondary
Primary Proj#: 5083
Program Group: T05
Home Org: 31
Project Status: Open
Project Company: ECIP
Updated: Jun 05, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$495,000	\$728,451	\$729,000	(\$234,000)	\$	\$392,280	\$535,000	

1) Project Description

This Project is designed to help reduce combined sewer overflows to Columbia Slough. It includes installation of sump systems at 59 intersections in North Portland.

2) Status Summary

Work 100% completed.

3) Work Accomplished During the Last Month

Quantities are being reconciled.

4) Work Planned for Next Month

Reconcile quantities, close out.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

NA

6) Total Cost of Approved Change Orders

NA

7) Project Cost above/below Budget > 15% ? Please explain.

NA

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

None

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Fiske A Sump #4	11/02/95	06/28/96	96	04/20/04		Feb 05, 1996	david
PSH	Planning/Predesign - Fiske A Sump #4	12/26/94	12/26/94	100	12/26/94	100	Feb 05, 1996	david
DSH	Design - Fiske A Sump #4	03/17/95	03/17/95	100	03/17/95	100	Apr 10, 1996	david
BSH	Advertise thru NTP - Fiske A Sump #4	06/08/95	06/08/95	100	06/08/95	100	Feb 05, 1996	david
CSH	Construction - Fiske A Sump #4	10/02/95	10/02/95	100	10/02/95	100	Feb 05, 1996	david
SSH	Closeout/Startup - Fiske A Sump #4	11/02/95	06/28/96	89	04/20/04	100	Apr 08, 1996	katiet



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5147	Project Hierarchy: Primary
Project Name: ST JOHN B SEPARATION	Primary Proj#: 5147
Overall Mgr Name: SOLI, JIM	Program Group: T05
Current Phase Desc: Completed	Home Org: 31
Current Phase Mgr: SOLI, JIM	Project Status: Open
Prime Const Firm: Alliance Corporation	Project Company: ECIP
Consultant: None	Updated: Feb 26, 1996

	Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
Total	\$5,568,000	\$5,380,302	\$5,459,565	\$108,435	\$121,280	\$99,881	\$121,300	(\$20)
Primary	\$5,500,000	\$5,320,737	\$5,400,000	\$100,000	\$121,280	\$99,868	\$121,280	
Sec Sum	\$68,000	\$59,565	\$59,565	\$8,435	\$	\$12	\$20	

1) Project Description

Neighborhood storm sewer separation and stormwater facility in Cathedral Park area of St. Johns.

2) Status Summary

Work was started in August, 1994, and was substantially complete on June 30, 1995. As-builts have been received and transmitted to both the Design Engineer and BES customer service. The punch list has been completed and all new facilities constructed are in service.

3) Work Accomplished During the Last Month

Completed the last remaining punch list items. Received maintenance schedule for stormwater facility landscaping. Resolved all outstanding extra work issues. Prepared closeout documents for Council action.

4) Work Planned for Next Month

Council action to accept work and make final payment.
Periodic landscape maintenance will be performed at a final punch list item through December 4, 1997.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

Recommend implementing suggestions in Final Construction Report to help avoid design problems encountered on this project. Other than resolving a number of possibly avoidable conflicts, no serious problems were encountered during the work.

6) Total Cost of Approved Change Orders

A total of \$208,264 in change orders was approved. Of the above amount, \$114,386 resulted from adding the N. Decatur St. & N. Mo

7) Project Cost above/below Budget > 15% ? Please explain.

No current year budget has been reported for this project.
FY 95-96 expenditures for this project will be approximately \$160,000.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

None.
Both BES and the construction contractor perceive this as a good job. Work was completed within contract time and below budget with a number of enhancements.

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	St Johns B Basin Sewer Separation	07/31/95	01/31/96	100	01/31/96		Dec 21, 1995	SYSTEM
DSM	Design - St Johns B Basin Sewer Separat	04/29/94	04/29/94	100	04/29/94		Dec 21, 1995	SYSTEM
BSM	Issue Bid Docs - St Johns B Basin Sewer	08/05/94	08/05/94	100	08/05/94		Dec 21, 1995	SYSTEM
CSM	Construction - St Johns B Basin Sewer S	06/30/95	06/30/95	100	06/30/95		Dec 21, 1995	SYSTEM
SSH	Cls/Startup - St Johns B Basin Sewer Sep	07/31/95	01/31/96	100	01/31/96		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: **5161**
Project Name: **DOWNSPOUT DISCONNECT**
Overall Mgr Name: **GEORGE, BARBARA**
Current Phase Desc: **Construction**
Current Phase Mgr: **GEORGE, BARBARA**
Prime Const Firm:
Consultant:

Project Hierarchy: **Primary**
Primary Proj#: **5161**
Program Group: **T05**
Home Org: **31**
Project Status: **Open**
Project Company: **ECIP**
Updated: **Jun 26, 1996**

	Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
Total	\$30,000,000	\$615,368	\$25,000,000	\$5,000,000	\$467,670	\$302,147	\$467,670	\$
Primary	\$30,000,000	\$608,544	\$25,000,000	\$5,000,000	\$467,670	\$295,323	\$467,670	
Sec Sum	\$	\$6,824	\$	\$	\$	\$6,824	\$	

1) Project Description

Pgm targets approx. 55,000 sing.fam. res prop. for disconnection in N, NE & SE Portland where street sumps will be installed. Goal - disconnect min. of 51% of roof area of these prop. using simple surface infiltration systems directing roof water onto property as priority disco method. Disco's by homeowners, neigh. vol. & M/W/ESB contractors. Disco costs will be paid by the City.

2) Status Summary

Pilot Proj. done and eval. 3/94. Council 11/94 re Pilot results & rec. for Pgm in sumped areas. Code approved 5/95. 1st Ph. of Pgm summer 95 done. 2nd expanded Ph. began 2/96. Results: 25% of roof area already discod in Slough basins plus discos at (692) homes thru Prgm.

3) Work Accomplished During the Last Month

Mtgs: ONA meetings with commun. groups, Spring Pgm plan (4), Fiske B (2), PART review (1), M/W/ESB (4x), envirocorps (2). Tasks: ongoing customer service on phone and in field, did 6 disco events with neigh. vol, logistical support for Envirocorps disconnection and canvass. Disconnected (140) homes (92 by vol). Mailed 14,000 brochures

4) Work Planned for Next Month

Continue cust. serv, inspections, disco work, canvassing and outreach with neigh & commun. grps for work partnerships. Work on M/W/ESB plan. Neigh vol. disco work (7 events). Work with 20 youth joining EnviroCorps for 6 weeks. Organize 2 disco supply depots. Mail Fiske B pub info re mandatory program.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

New promotion to increase participation of owner occupied and landlords. Need sched. for what sumpable in Willamette Bsns to plan neigh oriented pgm. Due to budget reductions, sched. will lengthen & prgm will be voluntary in sumped areas.

6) Total Cost of Approved Change Orders

7) Project Cost above/below Budget > 15% ? Please explain.

Expanded prgm began 2/96 in Slough areas. Slough area construct. related costs can be charged to EPA grant. More spent in May and June.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

Not applicable.

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Roof Drain Disconnect Program	03/31/00	03/31/00	26	00/00/00		Dec 21, 1995	SYSTEM
PSM	Planning/Predesign-Col SI Downspout Di:	05/31/95	05/01/95	100	05/01/95		Dec 21, 1995	SYSTEM
CSH	Construction - Downspout Disconnection	12/01/99	12/01/99	21	00/00/00		Dec 21, 1995	SYSTEM
SSM	Monitoring - Col SI Downspout Disconner	03/31/00	03/31/00		00/00/00		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5186
Project Name: RAMSEY LAKE SW WETLD
Overall Mgr Name: BRAUN, MARK
Current Phase Desc: Construction
Current Phase Mgr: HUTCHINSON, MARK
Prime Const Firm:
Consultant: L. C. Lee & Assoc.

Project Hierarchy: Primarv
Primary Proj#: 5186
Program Group: T05
Home Org: 31
Project Status: Open
Project Company: ECIP
Updated: Jul 11, 1996

	Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
Total	\$1,450,000	\$1,888,160	\$3,017,056	(\$1,567,056)	\$2,535,820	\$1,540,912	\$2,494,443	\$41,377
Primary	\$1,450,000	\$1,568,247	\$2,347,056	(\$897,056)	\$2,535,820	\$1,220,999	\$2,088,322	
Sec Sum	\$	\$319,914	\$670,000	\$	\$	\$319,914	\$406,121	

1) Project Description

Project provides for the construction of a natural stormwater facility using new stormwater treatment technology. It will treat stormwaters from the St. Johns 'A' and Oswego basins, and some from the Rivergate Industrial area, before discharging into the Slough. Purpose: to develop and establish a wetland/upland system.

2) Status Summary

Project is in construction.
Construction is substantially complete.
Change Order issued for irrigation.

3) Work Accomplished During the Last Month

Installed fence around site.
Graded rock road.
Volunteers constructed a viewing area.

4) Work Planned for Next Month

Close the project.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

1) Vandalism of irrigation system, has occurred, access needs to be limited to the site. The Port project needs to install a gate across their access road which passes by the wetland.

6) Total Cost of Approved Change Orders

Change Order Number Cost 1) EPA grant money, no cost. 2) Manhole Substitution \$ -10,654 3) T

7) Project Cost above/below Budget > 15% ? Please explain.

No

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

POTENTIAL CHANGE COST
1) Flood Damage \$36,000
2) Jute Mat 11,000

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Ramsey Lake Constructed Wetland	06/28/96	07/02/98	48	05/15/21		Dec 21, 1995	SYSTEM
PSM	Predesign - Ramsey Lake Constructed W.	11/22/94	11/22/94	100	11/22/94		Dec 21, 1995	SYSTEM
DSH	Design - Ramsey Lake Constructed Wetla	05/22/95	05/22/95	100	05/22/95		Dec 21, 1995	SYSTEM
BSH	Advertise thru NTP - Ramsey Lake Const.	08/14/95	08/24/95	100	08/24/95		Dec 21, 1995	SYSTEM
CSH	Construction - Ramsey Lake Constructed	02/29/96	07/01/96	90	07/01/96		Dec 21, 1995	SYSTEM
SSH	Closeout/Startup - Ramsey Lake Const. V	06/28/96	07/02/98	--	05/15/21		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5249	Project Hierarchy: Primary
Project Name: FISKE B SEPARATION	Primary Proj#: 5249
Overall Mgr Name: LOSTRA, MICHELLE	Program Group: T05
Current Phase Desc: Design	Home Org: 31
Current Phase Mgr: LOSTRA, MICHELLE	Project Status: Open
Prime Const Firm: JW Fowler	Project Company: ECIP
Consultant: David Evans & Associates / James Gilmer P	Updated: Jul 11, 1996

	Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
Total	\$4,500,000	\$287,247	\$2,400,000	\$2,100,000	\$385,890	\$144,633	\$490,000	(\$104,110)
Primary	\$4,500,000	\$272,021	\$1,300,000	\$3,200,000	\$385,890	\$129,407	\$130,000	
Sec Sum	\$	\$15,226	\$1,100,000	\$	\$	\$15,226	\$360,000	

1) Project Description

This basin is in north Portland near of University of Portland (drainage area is approx. 86 acres), with one CSO outfall to the Willamette River (Outfall #48). Fiske B Basin was identified as a CSO Cornerstone project, which includes construction of new storm sewers and sumps, disconnection of roof drains from the combined system, and construction of one water quality treatment facility.

2) Status Summary

All water treatment facility work to be discussed in Proj #5730. Contract has been awarded to JW Fowler. Preconstruction meeting held 6/27/96. NTP expected 7/3/96.

3) Work Accomplished During the Last Month

Contract has been awarded to JW Fowler. Preconstruction meeting held 6/27/96. NTP issued 7/2/96.

4) Work Planned for Next Month

Begin construction.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

none

6) Total Cost of Approved Change Orders

na

7) Project Cost above/below Budget > 15% ? Please explain.

Construction to begin 5/95 & completed 11/95, due to budget constraints in FY95-96, all construction work rescheduled to begin in FY96-97.

Budget for FY95-96 is \$350,000 to complete ongoing design & begin land acquisition per memo on 8/28/95 by Jim Coulter. See job

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

na

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Fiske B Basin Sewer Separation	06/30/97	04/22/97	70	01/31/97		Feb 02, 1996	mwl
PSM	Predesign - Fiske B Basin Sewer Separati	07/31/95	04/12/95	100	04/12/95	100	Feb 02, 1996	mwl
DSH	Design - Fiske B Basin Sewer Separation	03/28/96	04/26/96	100	04/26/96	100	May 02, 1996	michell
BSH	Advert thru NTP - Fiske B Basin Sewer Se	06/28/96	07/08/96	47	07/02/96	100	Jul 08, 1996	frankb
CSM	Construction - Fiske B Basin Sewer Sepa	04/30/97	01/03/97		10/30/96	100	Jul 08, 1996	frankb
SSM	Final Payment - Fiske B Basin Sewer Sep	06/30/97	04/22/97		01/31/97		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 12, 1996

Project Number: 5266
Project Name: ST. JOHNS A PROJECT
Overall Mgr Name: STAUNING, LLOYD
Current Phase Desc: Startup/Closeout
Current Phase Mgr: BUEHLER, FRANK
Prime Const Firm: BRUNDIDGE CONSTRUCTION
Consultant: CENTURY WEST CAROLLO

Project Hierarchy: standAlone
Primary Proj#: 5266
Program Group: T05
Home Org: 31
Project Status: Open
Project Company: ECIP
Updated: Jul 12, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$4,800,000	\$3,231,879	\$3,260,000	\$1,540,000	\$3,307,590	\$2,617,937	\$2,617,937	

1) Project Description

Neighborhood storm sewer separation north and west of St. Johns business district to relieve basement flooding and meet goals for CSO discharge.

2) Status Summary

Work was substantially complete on January 23, 1996.

3) Work Accomplished During the Last Month

Completed cleanup and deficiency correction.

4) Work Planned for Next Month

Final agreement on quantities. Issue final report and closeout documents.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

None.

6) Total Cost of Approved Change Orders

Total of \$114,558.40 approved to date. Of the above amount, approximately \$24,993.01 is for the N. St. Louis and Kellog sanitary sewer

7) Project Cost above/below Budget > 15% ? Please explain.

Due to low bid, underrun, and cost containment, anticipated final cost for project is about \$1,550,000 below budget. Recommend \$2,650,000 budget for FY 1995-96.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

None.

Work was done within contract time.

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	St. Johns A Sewer Separation	07/01/96	06/28/96	97	08/31/96		Jan 31, 1996	cmsfsb
PSH	Predesign - St. Johns A Sewer Sep	09/06/94	09/06/94	100	09/06/94	100	Feb 06, 1996	david
DSH	Design - St. Johns A Sewer Sep	01/31/95	01/31/95	100	01/31/95	100	Feb 06, 1996	david
BSH	Advertise thru NTP - St. Johns A Sewer Sep	06/07/95	06/07/95	100	06/07/95	100	Feb 06, 1996	david
CSM	Construction - St. Johns A Sewer Sep	02/28/96	02/23/96	100	02/23/96	100	Feb 29, 1996	cmsfsb
SSH	Closeout/Startup - St. Johns A Sewer Sep	07/01/96	06/28/96	77	08/31/96	90	Jul 08, 1996	frankb



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5273
Project Name: RAMSEY LAKE TRUNK
Overall Mgr Name: STAUNING, LLOYD
Current Phase Desc: Construction
Current Phase Mgr: HUTCHINSON, MARK
Prime Const Firm: Brundidge Construction
Consultant:

Project Hierarchy: standAlone
Primary Proj#: 5273
Program Group: T05
Home Org: 31
Project Status: Open
Project Company: ECIP
Updated: Jul 11, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$4,000,000	\$1,851,575	\$3,700,000	\$300,000	\$1,819,180	\$1,716,718	\$2,343,450	

1) Project Description

The Ramsey Lake Storm Trunk Project is a stormwater transmission pipe that carries water from the separated St. Johns A, Oregonian and Oswego drainage basins to the constructed wetlands at Ramsey Lake.

2) Status Summary

- 1) Pipeline constructed along the Port of Portland Property, and on N. Lombard St. and across Columbia Blvd.
- 2) Alignment changed to move the pipe off of Columbia Blvd.

3) Work Accomplished During the Last Month

Crossed Columbia Blvd. and restored Lombard St.

4) Work Planned for Next Month

Construct pipe in Pier Park and along Columbia Blvd. in easement area.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

No right of entry for Chimney Park yet, we need the right of entry to trim trees prior to construction.

6) Total Cost of Approved Change Orders

Add drainage pipe per Port's request - \$15,000

7) Project Cost above/below Budget > 15% ? Please explain.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Ramsey Lake St Trunk	09/30/96	01/02/97	82	01/31/97		Dec 21, 1995	SYSTEM
PSM	Predesign - Ramsey Lake St Trunk	04/22/94	04/22/94	100	04/22/94		Dec 21, 1995	SYSTEM
DSH	Design - Ramsey Lake St Trunk	08/14/95	12/29/95	100	12/29/95		Dec 21, 1995	SYSTEM
BSH	Advertise thru NTP - Ramsey Lake St Tru	10/30/95	03/27/96	100	03/27/96	95	Feb 28, 1996	lcs
CSM	Construction - Ramsey Lake St Trunk	07/01/96	12/20/96	25	01/31/97	30	Jul 10, 1996	wrandoll
SSH	Closeout/Startup - Ramsey Lake St Trunk	09/30/96	01/02/97		01/01/97		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 12, 1996

Project Number: **5291**
Project Name: **OREGONIAN CSO PROJ**
Overall Mgr Name: **STAUNING, LLOYD**
Current Phase Desc: **Predesign**
Current Phase Mgr: **STAUNING, LLOYD**
Prime Const Firm:
Consultant:

Project Hierarchy: **standAlone**
Primary Proj#: **5291**
Program Group: **T05**
Home Org: **31**
Project Status: **Open**
Project Company: **ECIP**
Updated: **Jul 12, 1996**

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$2,600,000	\$6,675	\$2,755,979	(\$155,979)	\$1,100	\$1,520	\$1,520	

1) Project Description

Project will relieve basement flooding in the Oregonian basin and meet DEQ SFO goals for CSO discharge.

2) Status Summary

Design schedule changed to begin 10/1/96 and be complete 3/18/97 in order to meet EPA Grant requirements.

3) Work Accomplished During the Last Month

None.

4) Work Planned for Next Month

None.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

The CSO Program has asked to have this project accelerated because this project receives Federal funding. Accelerating the project will change the cost and cashflow of the project. A new schedule/cashflow project will be calculated in the near future.

6) Total Cost of Approved Change Orders

7) Project Cost above/below Budget > 15% ? Please explain.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Oregonian CSO Project	12/31/98	08/06/98	42	00/00/00		Dec 21, 1995	SYSTEM
PSM	Planning/Pre-design - Oregonian CSO Proje	01/30/97	09/30/96	83	00/00/00	52	Feb 06, 1996	david
DSH	Design - Oregonian Sewer Sep	06/30/97	04/02/97		00/00/00		May 30, 1996	'V_updat
BSM	Advertise thru NTP - Oregonian CSO Proje	09/29/97	06/30/97		09/26/97		Feb 06, 1996	david
CSM	Construction - Oregonian CSO Project	09/22/98	04/08/98		09/22/98		Feb 06, 1996	david
SSM	Closeout - Oregonian CSO Project	12/31/98	08/06/98		12/31/98		Feb 06, 1996	david



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5292
Project Name: OSWEGO CSO PROJECT
Overall Mgr Name: STAUNING, LLOYD
Current Phase Desc: Predesign
Current Phase Mgr: STAUNING, LLOYD
Prime Const Firm:
Consultant:

Project Hierarchy: standAlone
Primary Proj#: 5292
Program Group: T05
Home Org: 31
Project Status: Open
Project Company: ECIP
Updated: Jun 27, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$6,300,000	\$17,933	\$5,842,500	\$457,500	\$71,670	\$11,448	\$33,000	

1) Project Description

Project is a sewer separation project to relieve local basement flooding and meet DEQ SFO goals for CSO discharge.

2) Status Summary

Design work is scheduled to begin in FY 97. Some pre-design work is underway now.

3) Work Accomplished During the Last Month

- Plumbing record research is underway.
- Survey work is continuing.
- Subcatchment analysis is complete; analysis is currently being reviewed by the QA/QC team.

4) Work Planned for Next Month

- Begin design.
- Start preparation of base maps.
- Field investigation of homes which need storm laterals.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

6) Total Cost of Approved Change Orders

7) Project Cost above/below Budget > 15% ? Please explain.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Oswego Sewer Separation	06/29/98	07/22/98	30	06/30/98		Dec 21, 1995	SYSTEM
PSH	Predesign - Oswego Sewer Sep	07/31/96	06/28/96	92	10/31/96	46	Feb 06, 1996	david
DSH	Design - Oswego Sewer Sep	12/27/96	01/30/97		12/26/96		Dec 21, 1995	SYSTEM
BSH	Advertise thru NTP - Oswego Sewer Sep	03/27/97	04/18/97		03/28/97		Dec 21, 1995	SYSTEM
CSM	Construction - Oswego Sewer Sep	04/01/98	04/17/98		03/27/98		Dec 21, 1995	SYSTEM
SSH	Closeout/Startup - Oswego Sewer Sep	06/29/98	07/22/98		06/30/98		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5302
Project Name: COL. SLOUGH OUTFALL
Overall Mgr Name: DE LA GARZA, JAIME
Current Phase Desc: Predesign
Current Phase Mgr: DE LA GARZA, JAIME
Prime Const Firm:
Consultant: Montgomery Watson

Project Hierarchy: standAlone
Primary Proj#: 5302
Program Group: T05
Home Org: 31
Project Status: Open
Project Company: ECIP
Updated: Jun 28, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$22,685,000	\$118,909	\$23,349,422	(\$664,422)	\$627,770	\$104,642	\$205,000	

1) Project Description

The CBWWTF outfall is the terminus of the Wet Weather Treatment Facility. The outfall discharges treated CSOs into the Columbia River.

2) Status Summary

Continue with Phase I, Stage I work, Project Definition.

3) Work Accomplished During the Last Month

The consultant is preparing their project manual and QA/QC Control Plan. Identified basic constraints and options for Northern Segment and Columbia River Diffuser. Jaime de la Garza has been designated Project Manager. Formal contact has been made with the Port of Portland.

4) Work Planned for Next Month

Continuing Stage I. Identify options and constraints. Establish initial hydraulic parameters. Evaluate the hydraulic capacity and structural conditions of the existing Outfall System. Develop P.I. Work Plan. Initial contact will be made with key stakeholders and agencies.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

As a result of The Value Planning Study for the Columbia Slough System, an additional alternative will be evaluated. The alternative is to use the existing 72" outfall with a new diffuser in the Oregon Slough.

6) Total Cost of Approved Change Orders

None known

7) Project Cost above/below Budget > 15% ? Please explain.

No known changes. The forecasted amount does not recognize using the existing pressure outfall. This assumes that the existing pressure outfall will not be able to carry the flow and pressures that are needed. This issue will be investigated during the predesign. If technical analysis confirms that the pressure outfall can be used, then the project cost forecast will be adjusted.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

None.

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	CBWWTF Outfall	04/27/00	08/04/99	38	11/17/97	1	Apr 02, 1996	tedk
PSH	Predesign - CBWWTF Outfall	02/01/96	12/04/96	79	09/30/96	8	Jun 28, 1996	jaimeg
DSH	Design - CS\Blvd WWTF Outfall	09/26/97	11/24/97		11/17/97		Dec 21, 1995	SYSTEM
BSH	Advertise thru NTP - CS\Blvd WWTF Outf	01/28/98	02/17/98		00/00/00		Dec 21, 1995	SYSTEM
CSH	Construction - CS\Blvd WWTF Outfall		07/21/99		00/00/00		Apr 24, 1996	'V_updat
SSH	Closeout/Startup - CS\Blvd WWTF Outfall	04/27/00	07/28/99		00/00/00		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: **5322**
Project Name: **TANNER CREEK**
Overall Mgr Name: **BRAUN, MARK**
Current Phase Desc: **Predesign**
Current Phase Mgr: **BRAUN, MARK**
Prime Const Firm:
Consultant: **KCM**

Project Hierarchy: **Primary**
Primary Proj#: **5322**
Program Group: **T05**
Home Org: **31**
Project Status: **Open**
Project Company: **ECIP**
Updated: **Jul 11, 1996**

	Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
Total	\$21,025,000	\$1,182,503	\$21,940,000	(\$915,000)	\$777,290	\$766,585	\$1,868,770	\$1,091,480)
Primary	\$100,000	\$29,503	\$375,000	(\$275,000)	\$777,290	\$11,239	\$12,000	
Sec Sum	\$20,925,000	\$1,153,000	\$21,565,000	(\$640,000)	\$	\$755,346	\$1,856,770	

1) Project Description

Project to build a separate storm drain in the Tanner Creek Basin to reduce combined sewer overflows from area stormwaters collected in small streams. Preliminary engineering efforts indicate this as the most cost effective CSO reduction method.

2) Status Summary

This is the nested project and the funds for the projects will reside in this number until drawn on by the individual projects. Phase 1 is in design and split into 3 units. Unit 1 to coordinate with a street improvement project. Unit 2 will construct sewer in NW

3) Work Accomplished During the Last Month

Applied for \$10 million EPA Grant.

4) Work Planned for Next Month

Complete paperwork for \$1 million EPA Grant for Phase 1 Unit 2.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

Additional Modeling work to be done by BES to study alternatives that may reduce sewer surcharging in this basin.

6) Total Cost of Approved Change Orders

7) Project Cost above/below Budget > 15% ? Please explain.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Balance of Tanner Creek/Nicolai Nest		09/05/01	27	00/00/00		Dec 21, 1995	SYSTEM
QSM	Balance of Tanner Creek/Nicolai Nest	09/05/01	09/05/01	27	00/00/00		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5323
Project Name: SLRT CALIBRATION
Overall Mgr Name: LAMPI, EUGENE
Current Phase Desc: Predesign
Current Phase Mgr: LAMPI, EUGENE
Prime Const Firm:
Consultant: Brown & Caldwell

Project Hierarchy: standAlone
Primary Proj#: 5323
Program Group: T05
Home Org: 31
Project Status: Open
Project Company: ECIP
Updated: Jul 09, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$750,000	\$469,699	\$750,000	\$	\$275,630	\$178,976	\$195,000	

1) Project Description

This project consists of performing flow calibrations for 57 sewer level monitoring stations which are part of the Sewer Level Remote Telemetry (SLRT) system. The purpose of the work is to develop an accurate depth vs. discharge relationship for each site.

2) Status Summary

Performing calibration of Phase 2 sites.

3) Work Accomplished During the Last Month

Working on data analysis and review of remaining project work and schedule.

4) Work Planned for Next Month

Data analysis. It is unlikely that additional field calibrations will not be conducted until fall due to weather.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

None.

6) Total Cost of Approved Change Orders

None.

7) Project Cost above/below Budget > 15% ? Please explain.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

None.

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Sewer Level Remote Telemetry System FI		06/30/97	71	06/30/97		Dec 21, 1995	SYSTEM
PSM	Sewer Level Remote Telemetry System FI	06/30/97	06/30/97	71	06/30/97		Mar 04, 1996	lampi



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5332
Project Name: CS CONSOL CONDUIT
Overall Mgr Name: SOLI, JIM
Current Phase Desc: Design
Current Phase Mgr: SOLI, JIM
Prime Const Firm:
Consultant: Design by KCM. About 30% M/W/ESB partic

Project Hierarchy: standAlone
Primary Proj#: 5332
Program Group: T05
Home Org: 31
Project Status: Open
Project Company: ECIP
Updated: Jun 28, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$84,000,000	\$4,883,531	\$74,380,000	\$9,620,000	\$4,522,910	\$3,943,960	\$4,210,000	

1) Project Description

The CSCC will intercept flow from the existing outfalls discharging to the Col Slough. The conduit would flow from NE 13th Ave to the CBWTP and provide relief for the exist int sys. The project is req'd for ASFO compliance and to keep untreated sewage from entering the Slough. Discharges that may violate water quality standards would be eliminated and citizens will enjoy a cleaner Slough.

2) Status Summary

Completed about 75% of the Design Phase.

3) Work Accomplished During the Last Month

Received comments on the 60% design documents from reviewers. Modified plans east of I-5 to conform to UPRR approved alignment. Coordinated with numerous individuals, neighborhood groups, utilities, BES stakeholders & agencies. Met with Steering Committee on CBOs, design and construction status.

4) Work Planned for Next Month

Complete UPRR permit application. Meet w/ neighborhoods & CSCC Steering Committee on CBOs. Complete 90% Design documents.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

A decision was reached by internal stakeholders to separate the Oregonian basin. A conduit west of the CBWTP is therefore not req'd.

6) Total Cost of Approved Change Orders

7) Project Cost above/below Budget > 15% ? Please explain.

Costs are in 1996 dollars.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Columbia Slough Consolidation Conduit	08/14/00	06/09/00	31	10/10/00	25	Feb 16, 1996	jsoli
PSH	Planning/Predesign - Col SI Consol	09/29/95	01/08/96	100	01/08/96	100	May 31, 1996	jimso
DSH	Design - Col SI Consol Conduit	10/23/96	01/02/97	40	01/07/97	75	Jun 28, 1996	jimso
BSH	Advertise thru NTP - Col SI Consol Condt.	03/26/97	04/29/97		05/02/97		Mar 04, 1996	jsoli
CSM	Construction - Col SI Consol Conduit	06/30/00	06/02/00		06/30/00		Feb 16, 1996	jsoli
SSH	Closeout/Startup - Col SI Consol Conduit	11/28/00	06/09/00		10/10/00		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5336
Project Name: NW 29TH & 31ST DVRSN
Overall Mgr Name: LUTHY, GAIL
Current Phase Desc: Completed
Current Phase Mgr: LUTHY, GAIL
Prime Const Firm: Marshall Associated Contractors, Inc.
Consultant:

Project Hierarchy: Secondary
Primary Proj#: 4539
Program Group: T05
Home Org: 31
Project Status: Open
Project Company: ECIP
Updated: Jun 05, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$80,000	\$234,017	\$235,000	(\$155,000)	\$	\$47,053	\$48,000	

1) Project Description

Project to eliminate a sewer diversion at NW 29th and 31st Avenues.

2) Status Summary

Contract closeout in process.
Construction substantially completed on July 25, 1995. The contractor exceeded the allotted time by 26 days.

3) Work Accomplished During the Last Month

Resolve dispute over contract time.

4) Work Planned for Next Month

Contract closeout.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

Claim by the contractor for differing site condition, claim denied.

6) Total Cost of Approved Change Orders

None to date.

7) Project Cost above/below Budget > 15% ? Please explain.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

The Contractor claims that their boring operation was slowed down when they encountered wood pilings. The City has denied the claim. The Contractor is not contesting the City decision.

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	NW 29th & 31st Diversion Modification	08/31/95	08/31/95	100	08/31/95		Dec 21, 1995	SYSTEM
DSH	Design - NW 29th & 31st Diversion Modifi	01/08/95	01/08/95	100	01/08/95		Dec 21, 1995	SYSTEM
BSH	Advert thru NTP-NW 29th & 31st Diversion	04/28/95	04/28/95	100	04/28/95		Dec 21, 1995	SYSTEM
CSM	Construction - NW 29th & 31st Diversion I	07/31/95	07/25/95	100	07/25/95		Dec 21, 1995	SYSTEM
SSH	Closeout/Startup - NW 29th & 31st Divrsn	08/31/95	08/31/95	100	08/31/95		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5380
Project Name: SELLWOOD-SEPARATION
Overall Mgr Name: LOSTRA, MICHELLE
Current Phase Desc: Predesign
Current Phase Mgr: LOSTRA, MICHELLE
Prime Const Firm:
Consultant:

Project Hierarchy: Primary
Primary Proj#: 5380
Program Group: T05
Home Org: 31
Project Status: Open
Project Company: ECIP
Updated: May 30, 1996

	Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
Total	\$8,924,000	\$1,076,802	\$2,167,208	\$6,756,792	\$667,030	\$970,913	\$988,050	(\$321,020)
Primary	\$7,766,000	\$24,322	\$1,100,000	\$6,666,000	\$667,030	\$10,993	\$22,050	
Sec Sum	\$1,158,000	\$1,052,480	\$1,067,208	\$90,792	\$	\$959,919	\$966,000	

1) Project Description

Sellwood Basin was identified as a CSO cornerstone project. This basin is located on the eastern bank of the Willamette River at the southern boundary of the combined service area. The objective of this project is to separate local sewer flows to eliminate CSOs from 3 Willamette River outfalls. Preliminary separation efforts include sump systems and roof drain disconnection.

2) Status Summary

Construction of all sumps are 100% complete.
Downspout connection investigation 100% complete.
Modeling basin based on sumped areas and % RDD to determine additional work in the basin.

3) Work Accomplished During the Last Month

Began evaluation (basin modeling) to determine if additional separation necessary and where.

4) Work Planned for Next Month

Perform additional modeling in basin to identify where additional separation necessary.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

Area may be impacted by Insley & Taggart Basins. Working w/ Insley & Taggart PM of upcoming issues.

6) Total Cost of Approved Change Orders

none

7) Project Cost above/below Budget > 15% ? Please explain.

none

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

na

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Sellwood Basin Sewer Separation	07/21/00	03/20/00	34	00/00/00		Dec 21, 1995	SYSTEM
PSH	Predesign - Sellwood Basin Sewer Separation	10/31/96	06/28/96	96	00/00/00	78	Jan 08, 1996	david
DSH	Design - Sellwood Basin Sewer Separation	12/12/97	08/08/97		00/00/00		Dec 21, 1995	SYSTEM
BSH	Advertise thru - Sellwood Basin Sewer Separation	05/15/98	01/12/98		00/00/00		Dec 21, 1995	SYSTEM
CSM	Construction - Sellwood Basin Sewer Separation	05/24/00	01/21/00		00/00/00		Dec 21, 1995	SYSTEM
SSH	Closeout/Startup - Sellwood Basin Sewer Separation	07/21/00	03/20/00		00/00/00		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5382
Project Name: SULLIVAN BASIN #2
Overall Mgr Name: LOSTRA, MICHELLE
Current Phase Desc: Completed
Current Phase Mgr: LOSTRA, MICHELLE
Prime Const Firm: Brundidge Construction
Consultant:

Project Hierarchy: Secondary
Primary Proj#: 5083
Program Group: T05
Home Org: 31
Project Status: Open
Project Company: ECIP
Updated: Jun 05, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$350,000	\$366,611	\$367,000	(\$17,000)	\$	\$2,022	\$1,800	

1) Project Description

Sump Project located in NE Portland. Project limits: Fremont St, 48th Ave, Alameda Dr, and 55th Ave. Overflows from the combined sewer outfall from Sullivan Basin discharge to the Willamette River.

2) Status Summary

Work completed and closed out

3) Work Accomplished During the Last Month

closed out

4) Work Planned for Next Month

none

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

none

6) Total Cost of Approved Change Orders

na

7) Project Cost above/below Budget > 15% ? Please explain.

na

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

na

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Sullivan Basin Sump #2	07/05/95	07/05/95	100	07/05/95		Dec 21, 1995	SYSTEM
DSM	Design - Sullivan Basin Sump #2	10/21/94	10/21/94	100	10/21/94		Dec 21, 1995	SYSTEM
BSH	Advertise thru NTP - Sullivan Basin Sump	01/10/95	01/10/95	100	01/10/95		Dec 21, 1995	SYSTEM
CSH	Construction - Sullivan Basin Sump #2	04/11/95	04/11/95	100	04/11/95		Dec 21, 1995	SYSTEM
SSM	Closeout/Startup - Sullivan Basin Sump #	07/05/95	07/05/95	100	07/05/95		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5406
Project Name: TANNER CREEK PHASE I
Overall Mgr Name: BRAUN, MARK
Current Phase Desc: Design
Current Phase Mgr: BRAUN, MARK
Prime Const Firm:
Consultant: KCM, Inc.

Project Hierarchy: Secondary
Primary Proj#: 5322
Program Group: T05
Home Org: 31
Project Status: Open
Project Company: ECIP
Updated: Apr 30, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$6,125,000	\$265,422	\$5,544,854	\$580,146		\$ 118,841	\$330,760	

1) Project Description

Design of Tanner Creek Stream Diversion from NW 12th & Johnson to NW 16th and Burnside.

2) Status Summary

In final design.

3) Work Accomplished During the Last Month

Held progress meeting.

4) Work Planned for Next Month

Review 90% Plans and Specifications

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

6) Total Cost of Approved Change Orders

7) Project Cost above/below Budget > 15% ? Please explain.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Tanner Basin Phase 1	08/28/98	11/04/98	44	07/01/97		Dec 21, 1995	SYSTEM
PSH	Predesign - Tanner Basin Phase 1	09/26/94	09/26/94	100	09/26/94		Dec 21, 1995	SYSTEM
DSH	Design - Tanner Basin Phase 1	01/05/96	02/28/97	67	07/01/97		Dec 21, 1995	SYSTEM
BSH	Advertise thru NTP - Tanner Basin Phase	07/07/97	09/10/97		00/00/00		Dec 21, 1995	SYSTEM
CSM	Construction - Tanner Basin Phase 1	07/13/98	09/17/98		00/00/00		Dec 21, 1995	SYSTEM
SSH	Closeout/Startup - Tanner Basin Phase 1	08/28/98	11/04/98		00/00/00		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: **5407**
Project Name: **TANNER CREEK PHASEIV**
Overall Mgr Name: **BRAUN, MARK**
Current Phase Desc: **Design**
Current Phase Mgr: **BRAUN, MARK**
Prime Const Firm:
Consultant: **Parametrix, Inc.**

Project Hierarchy: **Secondary**
Primary Proj#: **5322**
Program Group: **T05**
Home Org: **31**
Project Status: **Open**
Project Company: **ECIP**
Updated: **Apr 30, 1996**

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$4,800,000	\$390,516	\$4,961,298	(\$161,298)	\$	\$139,442	\$441,010	

1) Project Description

Design of stream diversion for Nicolai Basin from intersection with the Tanner Creek Stream Diversion to the upper basin.

2) Status Summary

In final design.

3) Work Accomplished During the Last Month

Held Working group meeting and discussed CBO's and established priority list. Obtained proposals from Traffic Engineering consultants.

4) Work Planned for Next Month

Hold meeting of Working Group to address continuing communication during interim from design to construction and during construction. Select Traffic Engineering Consultant and authorize work. Finalize plans and specifications.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

6) Total Cost of Approved Change Orders

7) Project Cost above/below Budget > 15% ? Please explain.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Tanner Diversion Phase 4 (Nicolai)	09/28/99	09/28/99	37	00/00/00		Dec 21, 1995	SYSTEM
PSM	Predesign - Tanner Diversion Phase 4 (Ni	09/12/94	09/12/94	100	09/12/94		Dec 21, 1995	SYSTEM
DSH	Design - Tanner Diversion Phase 4 (Nicol	01/05/96	07/26/96	89	00/00/00		Dec 21, 1995	SYSTEM
BSH	Advrt thru NTP - Tanner Divrsn Phase 4 (T	06/30/98	06/26/98		00/00/00		Dec 21, 1995	SYSTEM
CSM	Construction - Tanner Divrsn Phase 4 (Ni	06/07/99	06/04/99		00/00/00		Dec 21, 1995	SYSTEM
SSH	Close/Stup - Tanner Diversion Phase 4 (N	09/28/99	09/28/99		00/00/00		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5424
Project Name: STARK BASIN UNIT 4
Overall Mgr Name: LOSTRA, MICHELLE
Current Phase Desc: Design
Current Phase Mgr: LOSTRA, MICHELLE
Prime Const Firm:
Consultant:

Project Hierarchy: Secondary
Primary Proj#: 5083
Program Group: T05
Home Org: 31
Project Status: Open
Project Company: ECIP
Updated: Jun 28, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$680,000	\$21,346	\$735,000	(\$55,000)	\$	\$9,387	\$95,000	

1) Project Description

This is a sump project in the Stark Basin. Project limits for overall Stark Basin: I-84, 72nd Ave, Glisan St, & 84th Ave. CSO's from this basin discharges to the Willamette River. Stark 4 project boundary is: I-84, NE 73rd Ave, NE Glisan Street, & NE 82nd Ave.

2) Status Summary

work in progress

3) Work Accomplished During the Last Month

Held preconstruction conference and issued NTP on 6/13/96

4) Work Planned for Next Month

continue work on sump systems per design

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

none.

6) Total Cost of Approved Change Orders

na

7) Project Cost above/below Budget > 15% ? Please explain.

na

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

na

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Stark Basin Sump #4	03/27/96	01/15/97	70	10/01/16	50	Mar 06, 1996	mwl
DSH	Design - Stark Basin Sump #4	08/04/95	09/15/95	100	09/15/95	100	Mar 06, 1996	mwl
BSH	Advertise thru NTP - Stark Basin Sump #4	11/01/95	04/30/96	100	04/30/96	100	Jun 28, 1996	fahimr
CSM	Construction - Stark Basin Sump #4	02/23/96	10/30/96		10/01/16	20	Jun 28, 1996	fahimr
SSM	Closeout/Startup - Stark Basin Sump #4	03/27/96	01/15/97		01/15/97		Jun 28, 1996	fahimr



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5425
Project Name: STARK BASIN #5-6
Overall Mgr Name: LOSTRA, MICHELLE
Current Phase Desc: Design
Current Phase Mgr: LOSTRA, MICHELLE
Prime Const Firm:
Consultant:

Project Hierarchy: Secondary
Primary Proj#: 5083
Program Group: T05
Home Org: 31
Project Status: Open
Project Company: ECIP
Updated: May 30, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$420,000	\$28,533	\$377,000	\$43,000	\$	\$2,390	\$2,500	

1) Project Description

This is a sump project in the Stark Basin. Project limits: Glisan St, 60th Ave, Burnside St, & 82nd Ave. CSO's from the Stark Basin discharge to the Willamette River. This is Phase I of two phases.

2) Status Summary

Design phase is approximately 70% complete.

3) Work Accomplished During the Last Month

none.

4) Work Planned for Next Month

none

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

Design will be completed to reflect construction in two phases. Phase 1: Construct all sumps and test sumps as necessary. Phase 2: Construct sedimentation manhole, re-plumb inlet leads to sedimentation manhole.

6) Total Cost of Approved Change Orders

none

7) Project Cost above/below Budget > 15% ? Please explain.

Cost for this project will reflect work to construct the sumps only. The sedimentation manholes and inlet lead connections will be completed under a future project number.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

none

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Stark Basin Sump #5		03/08/99	38	03/06/97		Dec 21, 1995	SYSTEM
PSH	Predesign - Stark Basin Sump #5	03/23/95	03/23/95	100	03/23/95	100	Mar 06, 1996	mwl
DSM	100% Design & Bid Pkg - Stark Basin Sun	01/16/96	06/24/97	52	00/00/00	50	Jun 03, 1996	michell
BSH	Advertise thru NTP - Stark Basin Sump #5	08/08/96	09/14/98		09/11/96		Dec 21, 1995	SYSTEM
CSM	Construction - Stark Basin Sump #5 & #6	11/18/96	12/28/98		12/21/96		Dec 21, 1995	SYSTEM
SSM	Close Out/Startup - Stark Basin Sump #5	12/18/96	03/08/99		03/06/97		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5427
Project Name: STARK BASIN #7
Overall Mgr Name: LOSTRA, MICHELLE
Current Phase Desc: Design
Current Phase Mgr: LOSTRA, MICHELLE
Prime Const Firm:
Consultant:

Project Hierarchy: Secondary
Primary Proj#: 5083
Program Group: T05
Home Org: 31
Project Status: Open
Project Company: ECIP
Updated: May 30, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$320,000	\$15,860	\$201,000	\$119,000	\$	\$7,954	\$8,000	

1) Project Description

This is a sump project located in the Stark Basin. Project limits: Glisan St, 82nd Ave, Washington St, and 92nd Ave. CSO's from Stark Basin discharge to the Willamette River. This is Phase I of two phases.

2) Status Summary

Design at 100% complete, book check is 75% complete.

3) Work Accomplished During the Last Month

none.

4) Work Planned for Next Month

none

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

Design will be completed to reflect construction in two phases. Phase 1: Construct all sumps and test sumps as necessary. Phase 2: Construct sedimentation manhole, re-plumb inlet leads to sedimentation manhole.

6) Total Cost of Approved Change Orders

none

7) Project Cost above/below Budget > 15% ? Please explain.

Cost for this project will reflect work to construct the sumps only. The sedimentation manholes and inlet lead connections will be under a future project number.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

na

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Stark Basin Sump #7	12/24/96	03/02/98	50	06/30/97	100	Mar 06, 1996	mwI
PSM	Predesign - Stark Basin Sump #7	04/28/95	04/28/95	100	04/28/95		Apr 24, 1996	'V_updat
DSH	Design - Stark Basin Sump #7	12/21/95	06/30/97	50	06/30/97	70	Mar 06, 1996	mwI
BSH	Advertise thru NTP - Stark Basin Sump #7	09/26/96	09/09/97		08/26/96		Dec 21, 1995	SYSTEM
CSM	Construction - Stark Basin Sump #7	11/25/96	12/12/97		11/30/96		Dec 21, 1995	SYSTEM
SSM	Closeout/Startup - Stark Basin Sump #7	12/24/96	03/02/98		02/15/97		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5456	Project Hierarchy: Secondary
Project Name: INSLEY BASIN #1	Primary Proj#: 5083
Overall Mgr Name: LOSTRA, MICHELLE	Program Group: T05
Current Phase Desc: Design	Home Org: 31
Current Phase Mgr: LOSTRA, MICHELLE	Project Status: Open
Prime Const Firm:	Project Company: ECIP
Consultant: Murray, Smith & Associates	Updated: May 30, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$485,000	\$37,016	\$300,000	\$185,000	\$	\$16,605	\$50,000	

1) Project Description

Sumpable areas in Insley Basin are bounded by: SE 39th Ave, SE Raymond St, SE 53rd Ave, and SE Knapp St). Approximately 34 sites to be sumped. This is Phase I of two phases.

2) Status Summary

Formal contract execution period.

3) Work Accomplished During the Last Month

Formal contract execution period.

4) Work Planned for Next Month

Issue Notice to Proceed and begin construction.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

Design was completed to reflect phase 1 work. Phase 1: Construct all sumps and test sumps as necessary. Phase 2: Construct sedimentation manhole, re-plumb inlet leads to sedimentation manhole.

6) Total Cost of Approved Change Orders

na

7) Project Cost above/below Budget > 15% ? Please explain.

Cost for this project will reflect work to construct the sumps only. The sedimentation manholes and inlet lead connections will be under a future project number.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

na

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Insley Basin Sump #1	05/08/96	12/06/96	74	02/18/97		Feb 23, 1996	tnt
PSM	Predesign - Insley Basin Sump #1	02/15/95	01/18/95	100	01/18/95	100	Mar 06, 1996	mwl
DSM	Design - Insley Basin Sump #1	08/01/95	04/05/96	100	04/05/96	100	Jun 03, 1996	michell
BSH	Advertise thru NTP - Insley Basin Sump #	01/23/96	06/17/96	76	07/18/96	90	Jun 28, 1996	fahimr
CSM	Construction - Insley Basin Sump #1	04/08/96	09/06/96		10/18/96		Dec 21, 1995	SYSTEM
SSM	Closeout/Startup - Insley Basin Sump #1	05/08/96	12/06/96		02/18/97		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5457
Project Name: COL. SL. BASIN WWTF
Overall Mgr Name: SIMONSON, STEVE
Current Phase Desc: Completed
Current Phase Mgr: SIMONSON, STEVE
Prime Const Firm:
Consultant: CH2M HILL

Project Hierarchy: standAlone
Primary Proj#: 5457
Program Group: T05
Home Org: 31
Project Status: Open
Project Company: ECIP
Updated: Jun 05, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$289,000	\$336,839	\$340,000	(\$51,000)	\$55,130	\$37,363	\$40,000	

1) Project Description

As part of the CBWTP Facilities Planning work, the planning for Columbia Slough Wet Weather Treatment Facilities (and the Willamette River Wet Weather Treatment Facilities at CBWTP, to a lesser degree) is being performed.

2) Status Summary

Facilities planning work concluded on 10/11 with acceptance of the plan by City Council. A final contract amendment has been negotiated.

3) Work Accomplished During the Last Month

Approved the final invoice from the consultant.

4) Work Planned for Next Month

None, closeout project.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

Discussions between DEQ and BES need to continue and come to a meaningful result regarding wet weather permitting concepts and issues.

6) Total Cost of Approved Change Orders

A contract amendment (Amendment No. 2) has been approved for wet weather monitoring and permitting assistance. The amount of the

7) Project Cost above/below Budget > 15% ? Please explain.

PTS Expenditure information apparently now reflects the \$257,418 (main contract) and \$25,437 (Amendment No. 2) in consultant billing approved through 8/24/95 on this project. Two more project invoices are yet to be processed. The last two invoices will bring expenditures for FY 95-96 to \$32,845.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Columbia Slough WWTF Facility Site Plar		12/29/95	100	12/29/95		Feb 06, 1996	steves
PSM	Columbia Slough WWTF Facility Site Plar	08/04/95	12/29/95	100	12/29/95		Feb 06, 1996	steves



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: **5459**
 Project Name: **SELLWOOD BASIN #1**
 Overall Mgr Name: **LOSTRA, MICHELLE**
 Current Phase Desc: **Completed**
 Current Phase Mgr: **LOSTRA, MICHELLE**
 Prime Const Firm: **S2 Contractors**
 Consultant:

Project Hierarchy: **Secondary**
 Primary Proj#: **5380**
 Program Group: **T05**
 Home Org: **31**
 Project Status: **Open**
 Project Company: **ECIP**
 Updated: **Jun 05, 1996**

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$600,000	\$499,167	\$500,000	\$100,000	\$	\$475,332	\$477,000	

1) Project Description

Sellwood Basin is identified as a CSO cornerstone project. This basin is located on the eastern bank of the Willamette River at the southern boundary of the combined service area. Objective of project is to separate local sewer flows to eliminate CSOs from 3 Willamette River outfalls. Separation efforts include sump systems, roof drain disconnection as preliminary phase.

2) Status Summary

Project completed. Closed out

3) Work Accomplished During the Last Month

closed out

4) Work Planned for Next Month

Close out.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

none

6) Total Cost of Approved Change Orders

1 Remove excess material & pave \$300; Raise inlet and AC paving \$300; Total \$ 600.

7) Project Cost above/below Budget > 15% ? Please explain.

Flow capacities of soil in this area in general were very high (1300- 2700 gpm). Fewer sumps than designed were needed to complete the sump systems. The construction cost, therefore, was approximately 24% under the original contract amount.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

na

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Sellwood Basin Sump #1	11/20/95	12/13/95	100	12/13/95		Feb 06, 1996	david
PSM	Predesign - Sellwood Basin Sump #1	02/23/95	02/23/95	100	02/23/95	100	Feb 06, 1996	david
DSM	Design - Sellwood Basin Sump #1	04/18/95	04/18/95	100	04/18/95		Feb 06, 1996	david
BSH	Advertise thru NTP - Sellwood Basin Sump	07/19/95	07/20/95	100	07/20/95	100	Feb 06, 1996	david
CSM	Construction - Sellwood Basin Sump #1	10/20/95	10/13/95	100	10/13/95	100	Feb 06, 1996	david
SSM	Closeout/Startup - Sellwood Basin Sump	11/20/95	12/13/95	100	12/13/95	100	Feb 06, 1996	david



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5463
Project Name: TAGGART BASIN #1
Overall Mgr Name: LOSTRA, MICHELLE
Current Phase Desc: Completed
Current Phase Mgr: LOSTRA, MICHELLE
Prime Const Firm: Brundidge Construction
Consultant: Mitchell, Nelson, Welborn, Reimann Partner

Project Hierarchy: Secondary
Primary Proj#: 5083
Program Group: T05
Home Org: 31
Project Status: Open
Project Company: ECIP
Updated: Jun 01, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$600,000	\$658,586	\$704,000	(\$104,000)	\$	\$638,293	\$724,280	

1) Project Description

Sumpable areas in Taggart Basin are bounded by: SE Division St, SE Raymond St, SE 41st Ave, and SE 82nd Ave. This is the first of 6 projects identified for this basin (approximately 47 sites to be sumped & 20 test sump sites). Project limits are: SE Division St, SE Powell Blvd, SE 41st Ave, and SE 82nd Ave.

2) Status Summary

Work Completed and closed out

3) Work Accomplished During the Last Month

Reached agreement on quantities, prepared council documents and closed out.

4) Work Planned for Next Month

None. This is the final report for this project.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

NA

6) Total Cost of Approved Change Orders

1 - Additional Sumps in Oregonian Basin \$21,500

7) Project Cost above/below Budget > 15% ? Please explain.

NA

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

NA

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Taggart Basin Sump #1	03/18/96	05/30/96	100	05/30/96		Dec 21, 1995	SYSTEM
PSM	Predesign - Taggart Basin Sump #1	02/10/95	02/14/95	100	02/14/95	100	Apr 03, 1996	fahim
DSM	Design - Taggart Basin Sump #1	07/20/95	09/08/95	100	09/08/95		Dec 21, 1995	SYSTEM
BSH	Advertise thru NTP - Taggart Basin Sump	10/20/95	12/11/95	100	12/11/95	100	Apr 03, 1996	fahim
CSH	Construction - Taggart Basin Sump #1	02/16/96	03/29/96	100	03/29/96	100	May 01, 1996	fahimr
SSH	Closeout/Startup - Taggart Basin Sump #	03/18/96	05/30/96	100	05/30/96	100	May 31, 1996	fahimr



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5478	Project Hierarchy: standAlone
Project Name: CATHEDRAL PARK WQF	Primary Proj#: 5478
Overall Mgr Name: MILLER, RANDY	Program Group: T05
Current Phase Desc: Construction	Home Org: 31
Current Phase Mgr: MILLER, RANDY	Project Status: Open
Prime Const Firm: Contractor's Inc./Site Prep Phase, U.S. Pacifi	Project Company: ECIP
Consultant: SERA Architects	Updated: Jun 28, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$630,000	\$7,299	\$1,195,613	(\$565,613)	\$777,280	\$5,229	\$5,229	

1) Project Description

This project is a pollution reduction facility being designed and constructed in conjunction with and at the site of the Pollution Control Laboratory. Contractor's Inc. has been awarded a contract to provide site preparation services and U.S. Pacific Builders, Inc. has been awarded a contract to provide building construction services.

2) Status Summary

Site Preparation work is completed. The Building package is underway and includes final construction on this project. Work has resumed with better weather

3) Work Accomplished During the Last Month

backfilled to final grades - flume and wall slabs formed

4) Work Planned for Next Month

form up walls of pond structures, pour flume and "stonehenge" concrete

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

n/a

6) Total Cost of Approved Change Orders

n/a

7) Project Cost above/below Budget > 15% ? Please explain.

n/a

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

n/a

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Cathedral Park Water Quality Facility	01/15/97	01/31/97	74	02/01/97	30	Mar 01, 1996	randy
PSH	Predesign - Cathedral Park Water Quality	12/02/94	12/02/94	100	12/02/94	100	Mar 01, 1996	randy
DSH	Design - Cathedral Park Water Quality Fa	08/10/95	09/13/95	100	09/14/95	100	Mar 26, 1996	randy
BSH	Advertise thru NTP-Cathedral Park Water	10/13/95	12/19/95	100	12/19/95	100	Mar 26, 1996	randy
CSM	Construction - Cathedral Park Water Qual	12/16/96	12/19/96	45	12/19/96	52	Jun 28, 1996	randym
SSH	Cls/Strtup-Cathedral Park Water Quality F	01/15/97	01/31/97		02/01/97		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5479
Project Name: ST. JOHNS B SEP PH 2
Overall Mgr Name: COULTER, JIM
Current Phase Desc: Predesign
Current Phase Mgr: COULTER, JIM
Prime Const Firm:
Consultant:

Project Hierarchy: standAlone
Primary Proj#: 5479
Program Group: T05
Home Org: 31
Project Status: Open
Project Company: ECIP
Updated: Feb 26, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$62,000	\$1,934	\$100,000	(\$38,000)	\$55,130	\$1,934	\$55,130	

1) Project Description

Phase II involves completing downspout disconnection using on site methods or connecting the property directly to the newly constructed storm sewer.

2) Status Summary

Storm sewer construction is nearly completed. Policy and procedures are being developed by local sep. basin managers, downspout disconnection staff, Mid County staff and will need approval of Bureau managers and City Council prior to beginning Phase II work.

3) Work Accomplished During the Last Month

Meetings were held to clarify resolved and unresolved policy issues. Presentation was made to CSO Policy Team on June 7 to discuss policy options and schedule.

4) Work Planned for Next Month

Continue policy and code development. Design and conduct research project to determine estimated cost of a private lateral so this can be included in cost estimates and policy/procedures development.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

Downspout disconnection staff have been organizing the summer 1995 program in sumped areas which is a high priority of CSO program. Program had no customer service staff until June 1. Division of responsibilities between downspout disconnection program and Mid County for customer service and technical work are still being determined. Phase II work cannot begin until City Council

6) Total Cost of Approved Change Orders

7) Project Cost above/below Budget > 15% ? Please explain.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	St Johns B Sep Phase 2 (Downspouts)		06/26/97		00/00/00		Dec 21, 1995	SYSTEM
CSM	Construction-St Johns B Sep Phase 2 (Dc	12/24/96	06/26/97		00/00/00		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: **5480**
Project Name: **COLUMBIA SLOUGH WWTF**
Overall Mgr Name: **HAN, VU**
Current Phase Desc: **Design**
Current Phase Mgr: **HAN, VU**
Prime Const Firm:
Consultant: **CH2M HILL/Century West/Carollo**

Project Hierarchy: **standAlone**
Primary Proj#: **5480**
Program Group: **T05**
Home Org: **31**
Project Status: **Open**
Project Company: **ECIP**
Updated: **Jul 01, 1996**

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$41,801,000	\$1,138,742	\$45,669,498	(\$3,868,498)	\$2,515,610	\$1,126,482	\$1,900,000	

1) Project Description

The CBWWTF consists of a new CSO headworks, new primary clarifiers, new effluent pump station, new dechlorination facility, and expansion of existing chlorination facility.

2) Status Summary

CBWWTF: Stage II - Design Development
Headworks: Stage I - Pre-Design

3) Work Accomplished During the Last Month

CBWWTF: Met with sub-CAC and received inputs for enviro. enhancements; complete draft TM for dry weather primaries and geotechnical analyses; completed value planning effort.
Headworks: Completed draft DIM 2; completed evaluation of existing screen house.

4) Work Planned for Next Month

CBWWTF: Complete all draft TMs and drawings for Stage II; sort out ideas generated by value planning team.
Headworks: BES to study all alternatives developed for this project and make decision; set up pre-app conference for CUP master plan.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

As a result of the value planning effort, scope of this project could change depending on decision made by CSO management.

6) Total Cost of Approved Change Orders

Not yet determined at this time.

7) Project Cost above/below Budget > 15% ? Please explain.

None.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

None anticipated.

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	CS\Blvd WWTF	10/13/00	09/27/00	30	09/01/00	5	Mar 05, 1996	han
PSH	Predesign - CS\Blvd WWTF	04/26/96	04/12/96	100	04/12/96	60	Jun 03, 1996	vuh
DSH	Design - CS\Blvd WWTF	10/01/97	07/02/97	16	08/07/97		Dec 21, 1995	SYSTEM
BSH	Advertise thru NTP - CS\Blvd WWTF	04/30/98	10/16/97		11/21/97		Dec 21, 1995	SYSTEM
CSH	Construction - CS\Blvd WWTF		06/29/00		00/00/00		Apr 24, 1996	V_updat
SSH	Closeout/Startup - CS\Blvd WWTF	10/13/00	09/27/00		06/30/00		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5481
Project Name: WILLAMETTE SITE ACQU
Overall Mgr Name: MILLER, RANDY
Current Phase Desc: Predesign
Current Phase Mgr: MILLER, RANDY
Prime Const Firm: N/A
Consultant:

Project Hierarchy: standAlone
Primary Proj#: 5481
Program Group: T05
Home Org: 31
Project Status: Open
Project Company: ECIP
Updated: Jun 28, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$4,000,000	\$2,588,344	\$2,600,000	\$1,400,000	\$93,720	\$261,395	\$258,010	

1) Project Description

This is a siting process for a major CSO facility.

2) Status Summary

The site selection has occurred with 2 sites -- Swan Island and River District being selected. Work is proceeding on developing a decision matrix designed to allow a final one vs two site decision to be made by the end of calendar year 1996

3) Work Accomplished During the Last Month

received appraisal of ADM property - currently under review
finalized Swan Island deed and interagency agreements for BES assumption of boat ramp operation

4) Work Planned for Next Month

complete review and approval of appraisal, close escrow on Swan Island site, develop work scope for Shiels Obletz

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

n/a

6) Total Cost of Approved Change Orders

n/a

7) Project Cost above/below Budget > 15% ? Please explain.

Original budget was not amended to cover cost of consultants necessary to support OTF task force

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

n/a

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Willamette WWTF Siting		12/31/96	71	12/31/96	65	Mar 01, 1996	randy
PSM	Willamette WWTF Siting	09/29/95	12/31/96	71	12/31/96	75	May 31, 1996	randym



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5491	Project Hierarchy: Secondary
Project Name: TAGGART BASIN #2 - 3	Primary Proj#: 5083
Overall Mgr Name: LOSTRA, MICHELLE	Program Group: T05
Current Phase Desc: Design	Home Org: 31
Current Phase Mgr: LOSTRA, MICHELLE	Project Status: Open
Prime Const Firm:	Project Company: ECIP
Consultant: Mitchell, Nelson, Welborn, Reimann Partner	Updated: May 30, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$680,000	\$36,960	\$359,000	\$321,000	\$	\$10,879	\$15,000	

1) Project Description

Sumpable areas in Taggart Basin Units 2-3 bounded by: SE Division St, Powell Blvd, 61st Ave, & SE 81st Ave. Combined Unit 3 with Unit 2. This is Phase I of two phases.

2) Status Summary

Preliminary Design phase 100% complete.
Design @ 90% complete. Proceeding w/ design.

3) Work Accomplished During the Last Month

Consultant completed design to 90% submittal. Design reviewed by City.

4) Work Planned for Next Month

Complete design and submit for book check.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

Design will be completed to reflect phase 1 work. Phase 1: Construct all sumps and test additional sumps as necessary. Phase 2: Construct sedimentation manhole, re-plumb inlet leads to sedimentation manhole.

6) Total Cost of Approved Change Orders

na

7) Project Cost above/below Budget > 15% ? Please explain.

Cost for this project will reflect work to construct the sumps only. The sedimentation manholes and inlet lead connections will be under a future project number. This cost includes sumps for Taggart #2-3.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

na

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Taggart Basin Sump #2	07/17/96	02/14/97	66	12/31/96		Dec 21, 1995	SYSTEM
PSM	Predesign - Taggart Basin Sump #2	04/10/95	04/10/95	100	04/10/95	100	Mar 06, 1996	mwl
DSH	Design - Taggart Basin Sump #2 & #3	12/06/95	06/28/96	94	07/08/96	75	Apr 04, 1996	mwl
BSH	Advertise thru NTP - Taggart Basin Sump	03/07/96	09/17/96		08/02/96		Dec 21, 1995	SYSTEM
CSM	Construction - Taggart Basin Sump #2 & ;	06/17/96	11/15/96		10/02/96		Dec 21, 1995	SYSTEM
SSM	Closeout/Startup - Taggart Basin Sump #	07/17/96	02/14/97		12/31/96		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5493	Project Hierarchy: Secondary
Project Name: TAGGART BASIN #4	Primary Proj#: 5083
Overall Mgr Name: LOSTRA, MICHELLE	Program Group: T05
Current Phase Desc: Design	Home Org: 31
Current Phase Mgr: LOSTRA, MICHELLE	Project Status: Open
Prime Const Firm:	Project Company: ECIP
Consultant: Murray, Smith, & Associates - Preliminary D	Updated: May 30, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$680,000	\$8,357	\$269,000	\$411,000	\$	\$2,162	\$2,750	

1) Project Description

Sumpable areas in Taggart Basin bounded by: SE Powell Blvd, Mall St, 42 Ave, & 52nd Ave. This is Phase I of two Phases.

2) Status Summary

Preliminary design phase 100% complete
Drainage analysis and calculation have been completed by consultant. Remainder of design to be completed by BES staff.
City completed design to 70%. Work to be reviewed by Project Manager.

3) Work Accomplished During the Last Month

none.

4) Work Planned for Next Month

none

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

City staff to complete design since Consultant unable to complete design as scheduled. Design will be completed to reflect construction in two phases. Phase 1: Construct all sumps and test additional sumps as necessary. Phase 2: Construct sedimentation manhole, re-plumb inlet leads to sedimentation manhole.

6) Total Cost of Approved Change Orders

none

7) Project Cost above/below Budget > 15% ? Please explain.

Cost for this project will reflect work to construct the sumps only. The sedimentation manholes and inlet lead connections will be under a future project number.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

na

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Taggart Basin Sump #4	11/29/96	12/31/97	43	12/31/97		Dec 21, 1995	SYSTEM
PSH	Predesign - Taggart Basin Sump #4	05/25/95	05/25/95	100	05/25/95	100	Mar 06, 1996	mwl
DSH	Design - Taggart Basin Sump #4	08/30/95	12/03/96	65	04/04/97	10	Apr 04, 1996	mwl
BSH	Advertise thru NTP - Taggart Basin Sump	07/02/96	07/18/97		07/20/97		Dec 21, 1995	SYSTEM
CSH	Construction - Taggart Basin Sump #4	10/30/96	09/30/97		09/30/97		Dec 21, 1995	SYSTEM
SSH	Closeout/Startup - Taggart Basin Sump #	11/29/96	12/31/97		12/31/97		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: **5494**
Project Name: **TAGGART BASIN #5**
Overall Mgr Name: **LOSTRA, MICHELLE**
Current Phase Desc: **Design**
Current Phase Mgr: **LOSTRA, MICHELLE**
Prime Const Firm:
Consultant: **Mitchell, Nelson, Welborn, Reimann Partner**

Project Hierarchy: **Secondary**
Primary Proj#: **5083**
Program Group: **T05**
Home Org: **31**
Project Status: **Open**
Project Company: **ECIP**
Updated: **May 02, 1996**

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$690,000	\$4,585	\$286,000	\$404,000	\$	\$	\$5,250	

1) Project Description

Sumpable areas in Taggart Basin are bounded by: SE Powell Blvd, Mall St, 52nd Ave, & 65 Ave. Approximately 54 sites to be sumped. This is Phase I of two phases.

2) Status Summary

Preliminary design phase 100% complete.

3) Work Accomplished During the Last Month

none

4) Work Planned for Next Month

none.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

Design will be completed to reflect construction in two phases. Phase 1: Construct all sumps and test additional sumps as necessary. Phase 2: Construct sedimentation manhole, re-plumb inlet leads to sedimentation manhole.

6) Total Cost of Approved Change Orders

na

7) Project Cost above/below Budget > 15% ? Please explain.

Cost for this project will reflect work to construct the sumps only. The sedimentation manholes and inlet lead connections will be under a future project number.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

na

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Taggart Basin Sump #5	02/10/97	04/08/98	37	03/15/97		Dec 21, 1995	SYSTEM
PSM	Predesign - Taggart Basin Sump #5	06/23/95	06/23/95	100	06/23/95	100	Mar 06, 1996	mwI
DSH	Design - Taggart Basin Sump #5	03/21/96	12/04/96	63	03/15/97	70	Mar 06, 1996	mwI
BSH	Advertise thru NTP - Taggart Basin Sump	09/11/96	08/06/97		00/00/00		Dec 21, 1995	SYSTEM
CSM	Construction - Taggart Basin Sump #5	01/10/97	01/23/98		00/00/00		Dec 21, 1995	SYSTEM
SSM	Closeout/Startup - Taggart Basin Sump #:	02/10/97	04/08/98		00/00/00		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5495
Project Name: TAGGART BASIN #6
Overall Mgr Name: LOSTRA, MICHELLE
Current Phase Desc: Design
Current Phase Mgr: LOSTRA, MICHELLE
Prime Const Firm:
Consultant: Murray, Smith & Associates, Inc. (preliminary)

Project Hierarchy: Secondary
Primary Proj#: 5083
Program Group: T05
Home Org: 31
Project Status: Open
Project Company: ECIP
Updated: May 30, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$950,000	\$8,672	\$302,000	\$648,000	\$	\$1,121	\$1,750	

1) Project Description

Sumpable areas in Taggart Basin are bounded by: SE Mall St, Raymond/Insley St, 41st Ave, & 51st Ave. Approximately 57 sites to be sumped. This is Phase I of two phases.

2) Status Summary

Preliminary design phase 100% complete. Drainage analysis and calculations completed by Consultant. In-House staff to complete design. Began design to 70% complete.

3) Work Accomplished During the Last Month

none.

4) Work Planned for Next Month

none.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

City staff to complete design since Consultant unable to complete design as scheduled. Design will be completed to reflect construction in two phases. Phase 1: Construct all sumps and test additional sumps as necessary. Phase 2: Construct sedimentation manhole, re-plumb inlet leads to sedimentation manhole.

6) Total Cost of Approved Change Orders

na

7) Project Cost above/below Budget > 15% ? Please explain.

Cost for this project will reflect work to construct the sumps only. The sedimentation manholes and inlet lead connections will be under a future project number.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

na

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Taggart Basin Sump #6	12/12/97	05/05/98	39	04/15/97		Dec 21, 1995	SYSTEM
PSM	Predesign - Taggart Basin Sump #6	06/16/95	06/16/95	100	06/16/95	100	Mar 06, 1996	mwl
DSH	Design - Taggart Basin Sump #6	01/16/97	04/15/97	52	04/15/97	70	Mar 06, 1996	mwl
BSH	Advertise thru NTP - Taggart Basin Sump	07/11/97	07/14/97		00/00/00		Dec 21, 1995	SYSTEM
CSM	Construction - Taggart Basin Sump #6	11/12/97	02/26/98		00/00/00		Dec 21, 1995	SYSTEM
SSM	Closeout/Startup - Taggart Basin Sump #	12/12/97	05/05/98		00/00/00		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5496	Project Hierarchy: Secondary
Project Name: INSLEY BASIN #2	Primary Proj#: 5083
Overall Mgr Name: LOSTRA, MICHELLE	Program Group: T05
Current Phase Desc: Design	Home Org: 31
Current Phase Mgr: LOSTRA, MICHELLE	Project Status: Open
Prime Const Firm:	Project Company: ECIP
Consultant: Murray, Smith & Associates (canceled)	Updated: Jun 28, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$550,000	\$25,982	\$235,000	\$315,000	\$	\$22,895	\$35,000	

1) Project Description

Sumpable areas in Insley Basin are bounded by: SE 41st Ave, 46th Ave, Ellis St, & Tolman St. Approximately 42 sites to be sumped. This is Phase I of two phases.

2) Status Summary

Formal contract execution period.

3) Work Accomplished During the Last Month

Awarded contract to NTA.

4) Work Planned for Next Month

Issue Notice to Proceed in late June.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

Design completed to reflect Phase 1 work. Phase 1: Construct all sumps and test additional sumps as necessary. Phase 2: Construct sedimentation manhole, re-plumb inlet leads to sedimentation manhole.

6) Total Cost of Approved Change Orders

na

7) Project Cost above/below Budget > 15% ? Please explain.

Cost for this project will reflect work to construct the sumps only. The sedimentation manholes and inlet lead connections will be under a future project number.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

na

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Insley Basin Sump #2	06/27/96	03/21/97	63	11/20/96		Dec 21, 1995	SYSTEM
PSM	Predesign - Insley Basin Sump #2	05/17/95	05/17/95	100	05/17/95	100	Mar 06, 1996	mwl
DSH	Design - Insley Basin Sump #2	09/25/95		100	04/22/96	100	Jun 03, 1996	michell
BSH	Advertise thru NTP - Insley Basin Sump #	02/27/96	06/28/96	57	00/00/00	90	Jun 28, 1996	fahimr
CSM	Construction - Insley Basin Sump #2	05/28/96	10/07/96		09/20/96		Dec 21, 1995	SYSTEM
SSM	Closeout/Startup - Insley Basin Sump #2	06/27/96	03/21/97		11/20/96		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 12, 1996

Project Number: 5497
Project Name: INSLEY BASIN #3
Overall Mgr Name: LOSTRA, MICHELLE
Current Phase Desc: Design
Current Phase Mgr: LOSTRA, MICHELLE
Prime Const Firm:
Consultant: Anne Symonds & Associates

Project Hierarchy: Secondary
Primary Proj#: 5083
Program Group: T05
Home Org: 31
Project Status: Open
Project Company: ECIP
Updated: Jul 12, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$500,000	\$33,323	\$260,500	\$239,500	\$	\$18,937	\$18,937	

1) Project Description

Sumpable areas in Insley Basin bounded by: SE Tolman St, Knapp St, 41st Ave, & 46th Ave. Approximately 42 sites to be sumped. This is Phase I of two phases.

2) Status Summary

Design at 100% complete. Restructuring construction package.

3) Work Accomplished During the Last Month

Revised design as necessary.

4) Work Planned for Next Month

Complete all aspects of design.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

Design will be completed to reflect Phase 1 work. Phase 1: Construct all sumps and test additional sumps as necessary. Phase 2: Construct sedimentation manhole, re-plumb inlet leads to sedimentation manhole.

6) Total Cost of Approved Change Orders

na

7) Project Cost above/below Budget > 15% ? Please explain.

Cost for this project will reflect work to construct the sumps only. The sedimentation manholes and inlet lead connections will be under a future project number.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

na

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Insley Basin Sump #3	01/03/97	02/18/97	66	06/10/96		Dec 21, 1995	SYSTEM
PSM	Predesign - Insley Basin Sump #3	03/13/95	03/13/95	100	03/13/95	100	Mar 06, 1996	mwl
DSH	Design - Insley Basin Sump #3	08/03/95	06/10/96	98	06/10/96	92	Jun 03, 1996	michell
BSH	Advertise thru NTP - Insley Basin Sump #3	09/06/96	08/14/96		00/00/00		Dec 21, 1995	SYSTEM
CSM	Construction - Insley Basin Sump #3	12/05/96	11/20/96		00/00/00		Dec 21, 1995	SYSTEM
SSM	Closeout/Startup - Insley Basin Sump #3	01/03/97	02/18/97		00/00/00		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5498	Project Hierarchy: Secondary
Project Name: INSLEY BASIN #4	Primary Proj#: 5083
Overall Mgr Name: LOSTRA, MICHELLE	Program Group: T05
Current Phase Desc: Design	Home Org: 31
Current Phase Mgr: LOSTRA, MICHELLE	Project Status: Open
Prime Const Firm:	Project Company: ECIP
Consultant: Anne Symonds & Associates	Updated: May 30, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$720,000	\$12,643	\$272,000	\$448,000	\$	\$6,799	\$8,500	

1) Project Description

Sumpable areas in Insley Basin are bounded by: SE 46th Ave, 53rd Ave, Steele St, Henry St. Approximately 56 sites to be sumped. This is Phase I of two phases.

2) Status Summary

Preliminary design phase 100% complete.
Design plans are 70% complete.

3) Work Accomplished During the Last Month

Proceeded w/ design.

4) Work Planned for Next Month

Continue with design.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

City to complete remainder of design due to schedule changes. Design will be completed to reflect construction in two phases. Phase 1: Construct all sumps and test additional sumps as necessary. Phase 2: Construct sedimentation manhole, re-plumb inlet leads to sedimentation manhole.

6) Total Cost of Approved Change Orders

na

7) Project Cost above/below Budget > 15% ? Please explain.

Cost for this project will reflect work to construct the sumps only. The sedimentation manholes and inlet lead connections will be under a future project number.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

na

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Insley Basin Sump #4	08/02/96	05/09/97	59	01/01/98		Dec 21, 1995	SYSTEM
PSM	Predesign - Insley Basin Sump #4	06/13/95	06/13/95	100	06/13/95	100	Mar 06, 1996	mwl
DSH	Design - Insley Basin Sump #4	09/29/95	08/15/96	82	01/01/98	70	Mar 06, 1996	mwl
BSH	Advertise thru NTP - Insley Basin Sump #	03/04/96	10/15/96		00/00/00		Dec 21, 1995	SYSTEM
CSM	Construction - Insley Basin Sump #4	07/03/96	02/13/97		00/00/00		Dec 21, 1995	SYSTEM
SSM	Closeout/Startup - Insley Basin Sump #4	08/02/96	05/09/97		00/00/00		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5499
Project Name: COLUMBIA SLOUGH PS
Overall Mgr Name: HAN, VU
Current Phase Desc: Predesign
Current Phase Mgr: SOWLES, DOUG
Prime Const Firm:
Consultant: Damon S Williams & Associates

Project Hierarchy: standAlone
Primary Proj#: 5499
Program Group: T05
Home Org: 31
Project Status: Open
Project Company: ECIP
Updated: Jun 27, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$15,500,000	\$80,179	\$8,353,463	\$7,146,537	\$156,294	\$73,413	\$156,294	

1) Project Description

The pump station will transfer CSO collected in the Columbia Slough Consolidation conduit to the Columbia Boulevard Wet Weather Treatment Facility (CBWWTF).

2) Status Summary

Design contract approval.

3) Work Accomplished During the Last Month

Completed contract and submitted to City Council for approval.

4) Work Planned for Next Month

Obtain City Council approval for contract; issue notice to proceed to DSWA.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

It took bit long to contract with DSWA but anticipated to be within project schedule.

6) Total Cost of Approved Change Orders

None

7) Project Cost above/below Budget > 15% ? Please explain.

None

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

None

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Columbia Slough Influent Pump Station	10/13/00	06/12/00	12	11/20/00	4	Mar 05, 1996	han
PSH	Predesign - Col SI Influent PS	08/02/96	06/28/96	87	12/31/96	33	Jun 03, 1996	vuh
DSH	Design - Col SI Influent PS	01/09/98	07/30/97		02/01/99		Dec 21, 1995	SYSTEM
BSH	Advertise thru NTP - Col SI Influent PS	08/28/98	01/02/98		07/01/99		Dec 21, 1995	SYSTEM
CSM	Construction - Col SI Influent PS	12/27/99	03/10/99		09/05/00		Dec 21, 1995	SYSTEM
SSH	Closeout/Startup - Col SI Influent PS	10/13/00	06/12/00		11/20/00		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5500	Project Hierarchy: Secondary
Project Name: TANNER CREEK PH2	Primary Proj#: 5322
Overall Mgr Name: BRAUN, MARK	Program Group: T05
Current Phase Desc: Predesign	Home Org: 31
Current Phase Mgr: BRAUN, MARK	Project Status: Open
Prime Const Firm:	Project Company: ECIP
Consultant:	Updated: May 30, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$5,000,000	\$2,171	\$5,209,424	(\$209,424)	\$	\$2,171	\$500,000	

1) Project Description

Project to build a separate storm drain system in the Tanner Creek Basin P-2 area from I-405 near Burnside, south to SW Jefferson St. Purpose is to reduce CSO's by draining stormwaters collected by the area's small surface streams. Preliminary engineering efforts

2) Status Summary

Attempting to procure property for staging area.

3) Work Accomplished During the Last Month

4) Work Planned for Next Month

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

6) Total Cost of Approved Change Orders

7) Project Cost above/below Budget > 15% ? Please explain.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Tanner Basin Phase 2	06/30/00	06/30/00		00/00/00		Dec 21, 1995	SYSTEM
PSH	Predesign - Tanner Basin Phase 2	04/07/98	04/07/98		00/00/00		Dec 21, 1995	SYSTEM
DSH	Design - Tanner Basin Phase 2	01/12/99	01/12/99		00/00/00		Dec 21, 1995	SYSTEM
BSH	Advertise thru NTP - Tanner Basin Phase	06/25/99	06/25/99		00/00/00		Dec 21, 1995	SYSTEM
CSM	Construction - Tanner Basin Phase 2	05/10/00	05/10/00		00/00/00		Dec 21, 1995	SYSTEM
SSH	Closeout/Startup - Tanner Basin Phase 2	06/30/00	06/30/00		00/00/00		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: **5539**
Project Name: **CSO PROGRAM PFM**
Overall Mgr Name: **LANG, JOHN**
Current Phase Desc: **Predesign**
Current Phase Mgr: **OLIVER, LARRY**
Prime Const Firm:
Consultant:

Project Hierarchy: **Primary**
Primary Proj#: **5539**
Program Group: **T05**
Home Org: **31**
Project Status: **Open**
Project Company: **ECIP**
Updated: **Jul 10, 1996**

	Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
Total	\$210,000	\$795,192	\$4,195,521	(\$3,985,521)	\$1,253,000	\$685,387	\$720,000	\$533,000
Primary	\$10,000	\$279,246	\$500,000	(\$490,000)	\$1,253,000	\$257,945	\$240,000	
Sec Sum	\$200,000	\$515,946	\$3,695,521	(\$3,495,521)	\$	\$427,442	\$480,000	

1) Project Description

CSO Program Planning/Engineering/Modeling (PEM) is a nested (primary) project for the following secondary projects: 5540-CSO Regulatory, 5541-CSO Groundwater, 5542-CSO Planning, and 5543-CSO Modeling. This project number will track the administrative cost incurred by the Division Manager responsible for the secondary projects. It also provides funding for the Public Facilities Plan

2) Status Summary

Work in progress on all secondary projects. See the individual PDX reports for the allocation of the fiscal year (FY) budget. Report by Larry Oliver on 7/10/96.

3) Work Accomplished During the Last Month

See the secondary projects and the invoices for the Public Facilities Plan.

4) Work Planned for Next Month

See the secondary projects and the schedule for the Public Facilities Plan.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

See the secondary projects.

6) Total Cost of Approved Change Orders

Not applicable.

7) Project Cost above/below Budget > 15% ? Please explain.

The current budget/cost information does not reflect the true long-term support of this project number.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

None.

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Predesign - CSO Facilities Plan (Nest)		12/01/11	7	00/00/00	5	Apr 10, 1996	larryo



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: **5540**
Project Name: **CSO REGULATORY**
Overall Mgr Name: **LANG, JOHN**
Current Phase Desc: **Predesign**
Current Phase Mgr: **LAMPI, EUGENE**
Prime Const Firm:
Consultant:

Project Hierarchy: **Secondary**
Primary Proj#: **5539**
Program Group: **T05**
Home Org: **31**
Project Status: **Open**
Project Company: **ECIP**
Updated: **Jul 11, 1996**

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$50,000	\$38,105	\$141,761	(\$91,761)	\$	\$32,575	\$35,000	

1) Project Description

This project addresses CSO regulatory and compliance issues, which includes the management and oversight of the Amended Stipulation & Final Order (ASFO), reviewing emerging regulations which may impact the CSO program, compliance monitoring & documentation, and reporting to DEQ.

2) Status Summary

This report prepared by Eugene Lampi.
Work in progress.

3) Work Accomplished During the Last Month

Monitored progress on the ASFO.

Working with Surface Water Group and City Attorney's Office on groundwater (sump) policy issues.

4) Work Planned for Next Month

Finalize LTI report on Willamette River.
Provide support for CBWWTP NPDES permit renewal.
Continue work on groundwater issues.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

None.

6) Total Cost of Approved Change Orders

Not applicable.

7) Project Cost above/below Budget > 15% ? Please explain.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

None.

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	CSO Regulatory Issues		12/01/11	7	12/01/11		Dec 21, 1995	SYSTEM
PSM	Predesign - CSO Regulatory Issues	12/01/11	12/01/11	7	12/01/11		Mar 04, 1996	lampi



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 12, 1996

Project Number: **5541**
Project Name: **CSO GROUNDWATER**
Overall Mgr Name: **LANG, JOHN**
Current Phase Desc: **Predesign**
Current Phase Mgr: **LAMPI, EUGENE**
Prime Const Firm:
Consultant:

Project Hierarchy: **Secondary**
Primary Proj#: **5539**
Program Group: **T05**
Home Org: **31**
Project Status: **Open**
Project Company: **ECIP**
Updated: **Jul 12, 1996**

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$50,000	\$19,289	\$288,000	(\$238,000)	\$	\$15,782	\$157,782	

1) Project Description

This project addresses groundwater management issues related to implementing the CSO program. A major component of the work will be development of the Sump Management Plan as included in the CSO Facilities Plan. (Several of the individual projects included in the Sump Management Plan will be funded through the Columbia Slough EPA grant).

2) Status Summary

This report prepared by Eugene Lampi.
Work in progress.

3) Work Accomplished During the Last Month

Developing draft sump management plan.

Developing RFP information for Sump Management Plan/Columbia Slough Grant projects.

4) Work Planned for Next Month

Coordinate regulatory and policy issues with other Bureau divisions.
Finalize draft sump management plan document and submit to DEQ.
Develop SOQs and RFPs for grant projects.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

None.

6) Total Cost of Approved Change Orders

Not applicable.

7) Project Cost above/below Budget > 15% ? Please explain.

Fiscal Year Estimate reduced due to shift of costs to grant projects (5605,5607,5608).

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

None.

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	CSO Groundwater		12/01/11	7	12/01/11		Dec 21, 1995	SYSTEM
PSM	Predesign - CSO Groundwater	12/01/11	12/01/11	7	12/01/11		Mar 04, 1996	lampi



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5542
Project Name: CSO PLANNING
Overall Mgr Name: LANG, JOHN
Current Phase Desc: Predesign
Current Phase Mgr: OLIVER, LARRY
Prime Const Firm:
Consultant:

Project Hierarchy: Secondary
Primary Proj#: 5539
Program Group: T05
Home Org: 31
Project Status: Open
Project Company: ECIP
Updated: Jul 10, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$50,000	\$157,756	\$1,820,000	(\$1,770,000)	\$	\$148,111	\$170,000	

1) Project Description

This project involves the overall planning function of the CSO Program. It includes the refining, updating, and general management of the CSO Facilities Plan. Work tasks include: optimization of the existing facilities, researching appropriate new technologies, providing technical support during the implementation of CSO projects, monitoring the performance/compliance of constructed facilities, and

2) Status Summary

There is some general confusion on what this project is suppose to accomplish over the long run. The confusion results from the undefined relationships with the Public Facilities Plan (Project 5524) and the future WRBP. Report by Larry Oliver on 7/10/96.

3) Work Accomplished During the Last Month

1. Continued to provide technical oversight of CSO projects in planning, design, & construction. 2. Supported Public Facilities Plan Project on various tasks related to the WRBP. 3. Continued to develop WRBP Project. 4. Participated in Value Planning workshop for CBWWTF Projects.

4) Work Planned for Next Month

1. Issue RFP for WRBP Project. 2. Develop pre-liminary project flow diagram, schedule, and cost estimate for the WRBP. 3. Support CSO involvement in the PFP (Project 5524), particularly Task 4.2. 4. Define role of CSO Planning in "new" BES organization.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

None

6) Total Cost of Approved Change Orders

Not applicable.

7) Project Cost above/below Budget > 15% ? Please explain.

The current budget/cost information does not reflect the true long-term support of this project.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

None

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	CSO Planning		12/01/11	7	00/00/00		Dec 21, 1995	SYSTEM
PSM	Predesign - CSO Planning	12/01/11	12/01/11	7	00/00/00		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: **5543**
Project Name: **CSO MODELING**
Overall Mgr Name: **LANG, JOHN**
Current Phase Desc: **Predesign**
Current Phase Mgr: **ADDERLEY, VIRGIL**
Prime Const Firm:
Consultant:

Project Hierarchy: **Secondary**
Primary Proj#: **5539**
Program Group: **T05**
Home Org: **31**
Project Status: **Open**
Project Company: **ECIP**
Updated: **Jun 05, 1996**

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$50,000	\$300,796	\$1,445,760	(\$1,395,760)	\$	\$230,974	\$260,000	

1) Project Description

This project involves modeling system maintenance not directly related to specific basin projects. These activities include maintenance of the model executables and data files, development of interface and utility programs to aid in using the models, model mapping updates, and general systemwide model improvements.

2) Status Summary

This report prepared by Virgil Adderley.
Project is ongoing.

3) Work Accomplished During the Last Month

Developed new Water Quality Design Storm Completed Fiske B Separation/Design Analysis
Continue text on training manuals.
Continued development of Model Librarian

4) Work Planned for Next Month

Complete Sump / Roof Disconnect Effectiveness Report
Continue work on Fiske B Water Quality System Design
Test and Release Revised HydraTab

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

Mapping and Programming contracts with BCC and subconsultants will be late with deliverables. This will cause delays in Public Facilities Plan tasks involving model maps and databases.

6) Total Cost of Approved Change Orders

Not applicable

7) Project Cost above/below Budget > 15% ? Please explain.

Revised FY and Life budgets for this project have been entered.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

None

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	CSO Modeling		12/01/11	7	12/01/11	3	Mar 04, 1996	virgil
PSM	Predesign - CSO Modeling	12/01/11	12/01/11	7	12/01/11		Mar 04, 1996	virgil



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5604
Project Name: DOWNSPOUT MWEB GRANT
Overall Mgr Name: GEORGE, BARBARA
Current Phase Desc: Predesign
Current Phase Mgr: UNKNOWN,
Prime Const Firm:
Consultant:

Project Hierarchy: standAlone
Primary Proj#: 5604
Program Group: T05
Home Org: 31
Project Status: Open
Project Company: ECIP
Updated: Jun 26, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$	\$	\$110	\$	\$6,250	\$	\$110	

1) Project Description

Project to provide outreach and training for women and minority-owned businesses to prepare them to compete for contracts to do downspout disconnections. Three types of disconnections include: simple surface extensions with splash blocks, private lateral to new storm sewer, underground systems/gutter rehang.

2) Status Summary

M/W/ESB Plan is being developed for grant period based on the phasing of the Downspout Disconnection Program. Final plan for simple surface systems should be completed by July 1996 to implement by fall 1996. Grant activity will proceed hiring of contractors.

3) Work Accomplished During the Last Month

Discussions to develop M/W/ESB plan in light of schedule for overall Downspout Disconnection Program

4) Work Planned for Next Month

Research by M/W/ESB and City Purchasing staff on contract options. Develop specs, prequal criteria, schedule of training and processes.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

Due to three different types of work, the M/W/ESB Plan will need to be expanded for types other than simple surface disconnection.

6) Total Cost of Approved Change Orders

7) Project Cost above/below Budget > 15% ? Please explain.

M/W/ESB plan dependent on overall Downspout Disconnection Program phasing and implementation which experienced delays.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Downspout MWEB Grant		06/30/97	57	06/30/98		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: **5612**
Project Name: **DOWNSPOUT DISC GRANT**
Overall Mgr Name: **GEORGE, BARBARA**
Current Phase Desc: **Predesign**
Current Phase Mgr: **UNKNOWN,**
Prime Const Firm:
Consultant:

Project Hierarchy: **Primary**
Primary Proj#: **5612**
Program Group: **T05**
Home Org: **31**
Project Status: **Open**
Project Company: **ECIP**
Updated: **Jun 26, 1996**

	Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
Total	\$	\$28,155	\$200,000	\$	\$596,186	\$28,155	\$150,000	\$446,186
Primary	\$	\$3,460	\$	\$	\$596,186	\$3,460	\$150,000	
Sec Sum	\$	\$24,695	\$200,000	\$	\$	\$24,695	\$	

1) Project Description

Grant funds will reimburse construction costs, printing, tools, community participation work to disconnect downspouts using simple surface infiltration systems in neighborhoods whose roof water drains to the Columbia Slough. See Project 5161 for general information and history.

2) Status Summary

EPA dispute over program implementation methods resolved in late January allowing use of the grant funds. Promotional mailings sent to homeowners in late Feb/ early March and June. (approx. 25,000 total) Disconnection work is being scheduled and completed.

3) Work Accomplished During the Last Month

Ongoing contact with EPA to review reqmnts for record keeping on purchase and use of disconnection supplies. Scheduled and completed disconnection work. Ongoing neigh. canvassing to sign up prop. owners.

4) Work Planned for Next Month

Complete more door to door canvassing, sign up participants, disconnect downspouts for owners, inspect owner disconnection work. Notify 5,000 property owners about disco supply depot.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

Substantial portion of FY 95/96 grant funds shifted to FY 96/97 due to budget cut and delays in permission to request reimbursement therefore more Program costs will come from CIP budget project 5161

6) Total Cost of Approved Change Orders

7) Project Cost above/below Budget > 15% ? Please explain.

Until EPA dispute resolved in late January grant funds could not be used on the downspout disconnection project. Higher spending rate in May and June.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Downspout Disc Grant		06/30/98	43	06/30/98		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5664
Project Name: TANNER CRK PH1, UN 1
Overall Mgr Name: BRAUN, MARK
Current Phase Desc: Construction
Current Phase Mgr: HUTCHINSON, MARK
Prime Const Firm:
Consultant:

Project Hierarchy: Secondary
Primary Proj#: 5322
Program Group: T05
Home Org: 31
Project Status: Open
Project Company: ECIP
Updated: Jul 11, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$	\$494,891	\$640,000	\$	\$	\$494,891	\$585,000	

1) Project Description

Tanner Creek Stream Diversion Phase 1 Unit 1 is for the construction of the portion in NW 11th from Johnson to Lovejoy and in NW Johnson from 11th to 12th. These streets are scheduled for a street improvement to serve the nearby redeveloped properties therefore the change of schedule in this portion of Phase 1.

2) Status Summary

Work substantially completed.

3) Work Accomplished During the Last Month

Completed project in it's entirety.

4) Work Planned for Next Month

Final the project.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

Pipe supplier submitted on 8' lengths of pipe throughout the project. The crossing of the existing Tanner Creek sewer calls for a 12' length of pipe. To use the 8' pipe at the crossing will require additional cost to the contractor to establish support for the pipe to avoid crushing the existing brick pipe. In addition a considerable amount of garbage has accumulated on the site after the project was bid our

6) Total Cost of Approved Change Orders

Total cost of change orders \$24,087.00

7) Project Cost above/below Budget > 15% ? Please explain.

Estimated construction is \$1,000,000.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Tanner Creek Phase 1, Unit 1		07/29/96	91	06/28/96		Dec 21, 1995	SYSTEM
DSM	Design - Tanner Creek Phase 1, Unit 1		01/12/96	100	01/12/96		Dec 21, 1995	SYSTEM
BSM	Advertise thru NTP - Tanner Creek Phase		05/06/96	100	05/06/96		Mar 28, 1996	mark
CSM	Construction - Tanner Creek Phase 1, Uni		06/28/96	46	06/28/96		Mar 28, 1996	mark
SSM	Closeout/Startup - Tanner Creek Phase 1,		07/29/96		00/00/00		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5667
Project Name: RAMSEY WETLAND PLANT
Overall Mgr Name: BRAUN, MARK
Current Phase Desc: Construction
Current Phase Mgr: UNKNOWN,
Prime Const Firm:
Consultant:

Project Hierarchy: Secondary
Primary Proj#: 5186
Program Group: T05
Home Org: 31
Project Status: Open
Project Company: ECIP
Updated: Jun 28, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$	\$181,522	\$240,000	\$	\$	\$181,522	\$240,000	

1) Project Description

Plant acquisition for Ramsey Lake Wetlands development

2) Status Summary

The plants for this planting season have been delivered.

3) Work Accomplished During the Last Month

Plantings for the season have been completed

4) Work Planned for Next Month

Proceed with weeding and farm component 2 flats. Need to perform top pruning and severe pruning for heavily stressed plants.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

Still need to install irrigation pumps (permanent) and finish generator trailer construction and wiring into permanent system,

6) Total Cost of Approved Change Orders

No change orders

7) Project Cost above/below Budget > 15% ? Please explain.

This project funded at \$350,000. It appears we will be able to acquire the plant materials for about \$230,000 including handling at site through the Parks I.A. This constitutes a 34% savings. Original consultant estimated was in excess of \$400,000. That estimate was prepared for budgeting purposes and not refined once quantities and market opportunities were established.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

None

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Ramsey Lake Wetland Plant Development		06/28/96	92	00/00/00	75	Feb 28, 1996	lightnin



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5668	Project Hierarchy: Secondary
Project Name: RAMSEY PLANTING	Primary Proj#: 5186
Overall Mgr Name: BRAUN, MARK	Program Group: T05
Current Phase Desc: Construction	Home Org: 31
Current Phase Mgr: HUTCHINSON, MARK	Project Status: Open
Prime Const Firm:	Project Company: ECIP
Consultant:	Updated: Jul 11, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$	\$138,121	\$350,000	\$	\$	\$138,121	\$141,121	

1) Project Description

Prepare plans and specifications for site activities to plant Ramsey Lake Wetlands. Let planting contract. Irrigation design and installation is a part of this project.

2) Status Summary

Irrigation system installed. Late April flooding has delayed the installation of controllers. Using rented pumps and generator to run system at this time. Ordered pumps to be installed first week in Junly. Installation delayed because of high wate, i.e. connection pipe under water on slough side.

3) Work Accomplished During the Last Month

Installed irrigation system, Installed approximately 90% of planned plantings for this planting season.

4) Work Planned for Next Month

Perform farming, irrigation and horticultural activities to sustain plantings.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

Celebrate our success.

6) Total Cost of Approved Change Orders

Change Order One Dewatering, Additional Plants and Irrigation \$8,024

7) Project Cost above/below Budget > 15% ? Please explain.

None

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

None

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Ramsey Lake Planting & Irrigation		06/28/96	92	06/01/96		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5669
Project Name: RAMSEY WEED CONTROL
Overall Mgr Name: BRAUN, MARK
Current Phase Desc: Construction
Current Phase Mgr: UNKNOWN,
Prime Const Firm:
Consultant:

Project Hierarchy: Secondary
Primary Proj#: 5186
Program Group: T05
Home Org: 31
Project Status: Open
Project Company: ECIP
Updated: May 08, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$	\$78	\$15,000	\$	\$	\$78	\$15,000	

1) Project Description

Develop a program to minimize purple loosestrife colonization in this project.

2) Status Summary

Working with Oregon Dept. of Agriculture to develop a biological vector release program for Purple loosestrife in the Ramsey Lake Wetland area.

3) Work Accomplished During the Last Month

accepted ODA proposal to implement establishing bug colonies

4) Work Planned for Next Month

Complete release plan with ODA and begin plan activities

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

Weather has delayed insect egg production which in turn has delayed colony installation

6) Total Cost of Approved Change Orders

None

7) Project Cost above/below Budget > 15% ? Please explain.

None

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

None

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Ramsey Lake Weed Control		10/01/97	12	00/00/00		Dec 21, 1995	SYSTEM



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 12, 1996

Project Number: 5730	Project Hierarchy: Secondary
Project Name: FISKE B WTF	Primary Proj#: 5249
Overall Mgr Name: LOSTRA, MICHELLE	Program Group: T05
Current Phase Desc: Predesign	Home Org: 31
Current Phase Mgr: LOSTRA, MICHELLE	Project Status: Open
Prime Const Firm:	Project Company: ECIP
Consultant:	Updated: May 30, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$	\$15,226	\$1,100,000	\$	\$	\$15,226	\$360,000	

1) Project Description

This project is a subset of the Fiske B Basin CSO Storm Sewer Project. The water treatment facility is to be constructed to treat 1/3 of the 2 year storm diverted from the storm sewer prior to discharging to the Willamette River.

2) Status Summary

Conceptual storm water quality facility and land acquisition (4 acres) in progress. Began preliminary permit process for construction of water treatment facility. In the process of acquiring the 4 acre parcel.

3) Work Accomplished During the Last Month

Continue with property acquisition & prelim. work for WTF design. Randy Miller to proceed with acquisition of property.

4) Work Planned for Next Month

BES staff continue with preliminary work for WTF.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

Which design storm to be used: 1/3 of 2-yr-24-hr storm or 1/3 of 2-yr 6-hr storm to meet water quality design standards. Discussed w/ Project Review Team, concluded that because of available acreage, design will incorporate 1/3 of 2-yr 6-hr storm for BMP.

6) Total Cost of Approved Change Orders

na

7) Project Cost above/below Budget > 15% ? Please explain.

na

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

na

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Fiske B Water Treatment Facility		05/19/97	61	05/19/97	30	Mar 06, 1996	mwl



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5779	Project Hierarchy: Secondary
Project Name: WILLAMETTE TS UNIT#8	Primary Proj#: 5083
Overall Mgr Name: LOSTRA, MICHELLE	Program Group: T05
Current Phase Desc: Construction	Home Org: 31
Current Phase Mgr: RAHMAN, FAHIM	Project Status: Open
Prime Const Firm: BL&B Construction	Project Company: ECIP
Consultant:	Updated: Jun 28, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$	\$51,886	\$105,000	\$	\$	\$51,886	\$95,000	

1) Project Description

This project is in the most southeasterly portion of Insley Drainage Basin. Results from sumps constructed in the Sellwood Basin resulted in very positive infiltration rates, hence this area should be considered for sumps. Additional data is necessary to determine the extent of sumpable areas in this vicinity. Project boundary is: SE 14th Ave (West), McLoughlin Blvd (East), Insley St (North), & Linn St

2) Status Summary

work in progress.

3) Work Accomplished During the Last Month

Issued NTP on 5/28/96. Installed test sumps

4) Work Planned for Next Month

complete project work.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

Rocks were encountered at 8 sites and were abandoned. Reached undestading with the contractor to substitute sites in other areas.

6) Total Cost of Approved Change Orders

none

7) Project Cost above/below Budget > 15% ? Please explain.

na

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

na

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Willamette Test Sump Unit #8		08/16/96	62	08/30/96	55	Apr 04, 1996	mwl
PSM	Predesign - Willamette Test Sump Unit #8		02/12/96	100	02/12/96		Mar 07, 1996	mwl
DSM	Design - Willamette Test Sump Unit #8		03/18/96	100	03/18/96		Apr 04, 1996	mwl
BSM	Advert. thru NTP - Willamette Test Sump		04/09/96	100	04/09/96		Jun 28, 1996	fahimr
CSM	Construction - Willamette Test Sump Unit		06/07/96	86	07/12/96	70	Jun 28, 1996	fahimr
SSM	Closeout/Startup - Willamette Test Sump		08/16/96		08/30/96		Jun 28, 1996	fahimr



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5795
Project Name: N DENVER & N MCCLELN
Overall Mgr Name: LOSTRA, MICHELLE
Current Phase Desc: Design
Current Phase Mgr: LOSTRA, MICHELLE
Prime Const Firm:
Consultant:

Project Hierarchy: Secondary
Primary Proj#: 5083
Program Group: T05
Home Org: 31
Project Status: Open
Project Company: ECIP
Updated: May 30, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$	\$445	\$10,000	\$	\$	\$445	\$10,000	

1) Project Description

Project at N. Denver Ave and McClellan Street. Project in conjunction with Bureau of Transportation street work.

2) Status Summary

Awarded contract to All Concrete Specialties.

3) Work Accomplished During the Last Month

Awarded contract to All Concrete Specialties.

4) Work Planned for Next Month

Begin construction.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

none

6) Total Cost of Approved Change Orders

na

7) Project Cost above/below Budget > 15% ? Please explain.

na

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

na

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	N. Denver & N. McCellan Sump		11/29/96	31	06/11/96	50	Apr 04, 1996	mwl
PSM	Predesign - N. Denver & N. McCellan Sum		03/29/96	100	03/29/96		Apr 03, 1996	'V_updat
DSM	Design - N. Denver & N. McCellan Sump		04/11/96	100	04/11/96		Apr 03, 1996	'V_updat
BSM	Adv. thru NTP - N. Denver & N. McCellan S		06/11/96	81	06/11/96	90	Jun 03, 1996	michell
CSM	Construction - N. Denver & N. McCellan S		10/17/96		00/00/00		Jun 03, 1996	michell
SSM	Closeout/Startup - N. Denver & N. McCellan S		11/29/96		00/00/00		Apr 03, 1996	'V_updat



PDX Monthly Status Report

Bureau of Environmental Services
City of Portland

Printed: Jul 11, 1996

Project Number: 5846
Project Name: WILLAMETTE TS #9
Overall Mgr Name: LOSTRA, MICHELLE
Current Phase Desc: Design
Current Phase Mgr: LOSTRA, MICHELLE
Prime Const Firm:
Consultant:

Project Hierarchy: Secondary
Primary Proj#: 5083
Program Group: T05
Home Org: 31
Project Status: Open
Project Company: ECIP
Updated: Jun 05, 1996

Life Bud	LTD Exp	Life Est	Life Var	FY Bud	YTD Exp	FY Est	FY Var
\$	\$4,383	\$2,400	\$	\$	\$4,383	\$3,600	

1) Project Description

Test sump project in the Oswego & Oregonian Basin to determine the sumpable areas.

2) Status Summary

Design is 90% complete.

3) Work Accomplished During the Last Month

Continued with design.

4) Work Planned for Next Month

Advertise for bids and award to lowest responsible bidder.

5) Problems, Alternative Solutions, Impacts, Recommendations, Action Needed, by Whom, When

none.

6) Total Cost of Approved Change Orders

7) Project Cost above/below Budget > 15% ? Please explain.

8) Claims (Description, Estimated Cost, Potential Delays, Probability of Negative Impact, Status)

Completion Dates for Summary Activities

Activity ID	Activity Name	Mgt Approved	Calc Sched	% Exp	Estimate	% Comp	Updated	By
ZPH	Willamette Test Sump #9 - Project Summi		09/05/96	29	00/00/00		Jun 25, 1996	'V_update