RESOLUTION NO. 1813

A RESOLUTION ADOPTING THE CAPITAL IMPROVEMENT PLAN FOR PUBLIC WORKS FACILITIES

THE TROUTDALE CITY COUNCIL FINDS AS FOLLOWS:

- 1. ORS 223.309 requires local governments that have system development charges to prepare a capital improvement plan that includes a list of the capital improvements that the local government intends to fund, in whole or in part, with revenues from an improvement fee.
- 2. The capital improvement plan contained in this resolution is intended to comply with ORS 223.309.

NOW THEREFORE BE IT RESOLVED BY THE COUNCIL OF THE CITY OF TROUTDALE

Section 1. The City of Troutdale Public Works Department Capital Improvement Plan dated February, 2006, which is attached hereto and made a part hereof, is hereby adopted.

Section 2. This resolution shall be effective immediately upon adoption.

YEAS: 4 NAYS: 2 Canfield, Gorsek ABSTAINED: 0

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Paul A. Thalhofer, Mayor MAY 12, 2006

Date

Debbie Stickney, City Recorder

Adopted: May 9, 2006

City of Troutdale Public Works Department

Capital Improvement Plan



February, 2006

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Introduction

This document provides a plan for City-funded, capacity-enhancing capital improvements and project listings in support of the expenditure of system development charge improvement fees as required by ORS 223.309.

The Plan is the result of a process involving four distinct steps:

- 1. Project initiation by the appropriate Public Works Division, often after receiving input from concerned citizens, groups, or organizations.
- 2. Project reviews and consolidation by the Public Works Department.
- 3. Project review and comment by other City staff.
- 4. Plan revision, if necessary, and adoption by the City Council following a public hearing.

The Plan consists of these elements:

- 1. Project Name: A brief description of the project.
- 2. Project Number: A five-digit number consisting of a two-digit prefix identifying the type of project (WA = Water, SA = Sanitary Sewer, SD = Storm Drainage, and ST = Streets/Transportation,) and three digits to consecutively number the projects within their respective categories from 001 to 999. Storm drainage projects vary slightly, with the third digit being either an "N" (for North Troutdale Drainage Basin, flowing to the Columbia River) or an "S" (for South Troutdale Drainage Basin, flowing to the Sandy River), then the last two digits number the projects consecutively from 01 to 99 within the basin. The project numbers do not denote priority or proposed sequence of accomplishment.
- 3. Construction Year: The estimated fiscal year when the project will be accomplished.
- 4. Estimated Cost: The estimated cost of the project.
- 5. Funding Source: The proposed source of funds for the project, including the percentage of the project cost that will be paid for with system development charge revenue. "Improvement Funds" contain SDC revenue.
- 6. Problem: The problem to be solved by the project.
- 7. Proposed Solution: A description of the essential elements of the project.
- 8. Identified By: The agency that identified the problem and/or proposed the solution.
- 9. Related Projects: The identification of any other work which might substantially affect this project.

This Plan does not appropriate funds nor authorize improvements to be accomplished. Funding for a proposed project must be appropriated through the normal budget process. Applicable Federal, State, and local laws, rules, and regulations apply. Inclusion of a project in this Plan is

not an indication that project approval will be granted, funds will be appropriated, or necessary permits will be issued.

Comments concerning the format and/or content of this Plan are welcomed and should be addressed to the Public Works Department, City of Troutdale, 342 SW 4th Street, Troutdale, OR 97060.

Water Improvements

1.	Project Name:	Upsize Sturges Water Line and PRV on 257th		
	Project Number:	WA-033		
	Construction Year:	FY 2005-06		
	Estimated Cost:	\$189,000		
	Funding Source:	Water Improvement Fund (100%)		
	Problem:	The existing 8" water line along 257th Drive between the Cherry Park Roads functions as a bottleneck between two larger pipes.		
	Proposed Solution:	Construct a new line between Sturges Drive and Sturges Lane that bypasses the bottleneck and provides greater capacity to that part of the system.		
	Identified By:	Staff		
	Related Project(s):	None		
2.	Project Name:	Construct Additional Well		
	Project Number:	WA-030		
	Construction Year:	FY 2006-07		
	Estimated Cost:	\$672,000		
	Funding Source:	Water Fund (50%) and Water Improvement Fund (50%)		
	Problem:	An additional water source is needed to meet future demands in Distribution Zones I, II, and III. The estimated shortfall to meet peak demand in Zones I, II, and III at buildout is 644 gpm. The new well will also provide redundancy in case another well fails.		
	Proposed Solution:	Construct an additional well to serve Zones I, II, and III.		
	Identified By:	Water Master Plan for Troutdale, Oregon February, 1993, prepared by Economic and Engineering Services, Inc.		
	Related Project(s):	None		
3.	Project Name:	Upsize Water Line on Columbia River Highway		
	Project Number:	WA-029		
	Construction Year:	FY 2006-07		
	Estimated Cost:	\$150,000		
	Funding Source:	Water Improvement Fund (100%)		

	Problem:	The existing 4" and 6" water lines between Kibling Avenue and the Glenn Otto Park do not have sufficient capacity to support the development and fire fighting needs in this area.
	Proposed Solution:	Upsize the water line to 8"
	Identified By:	Staff
	Related Project(s):	None
4.	Project Name:	Construct Water Line on SW 21st Street
	Project Number:	WA-007
	Construction Year:	FY 2007-08
	Estimated Cost:	\$67,000
	Funding Source:	Water Improvement Fund (100%)
	Problem:	The water distribution system is not looped in this area.
	Proposed Solution:	Construct a water line to loop the system, thus allowing water service anywhere along the line and allowing the area to be serviced from either direction. Include a PRV.
	Identified By:	Staff
	Related Project(s):	SA-015, SD-S21
5.	Project Name:	Extend Water Line on 244th Avenue
	Project Number:	WA-004
	Construction Year:	FY 2008-09
	Estimated Cost:	\$150,000
	Funding Source:	Water Improvement Fund (100%)
	Problem:	There is no water main on 244th Avenue. A water main is needed to provide additional capacity to serve development in this area.
	Proposed Solution:	Install approximately 2500 LF of 12" water main and a pressure reducing vault, along with related valves and hydrants.
	Identified By:	Water Master Plan for Troutdale, Oregon, February, 1993, prepared by Economic and Engineering Services, Inc.
	Related Project(s):	None
6.	Project Name:	Extend Water Line from Spectro to RMAC
	Project Number:	WA-028
	Construction Year:	FY 2008-09

	Estimated Cost:	359,000		
	Funding Source:	Water Improvement Fund (100%)		
	Problem:	The water distribution system is not looped in this area		
	Proposed Solution:	Construct a water line to loop the system Looping the distribution system in this area increases capacity by allowing flow from either direction.		
	Identified By:	Staff		
	Related Project(s):	None		
7.	Project Name:	Construct Zone II Interconnect to Jackson Park Road		
	Project Number:	WA-006		
	Construction Year:	FY 2009-10		
	Estimated Cost:	\$59,000		
	Funding Source:	Water Improvement Fund (100%)		
	Problem:	Service is needed in the Jackson Park Road area which is currently not served by City water.		
	Proposed Solution:	Install approximately 400 LF of 8" water main and a pressure reducing vault.		
	Identified By:	Water Master Plan for Troutdale, Oregon, February, 1993, prepared by Economic and Engineering Services, Inc.		
	Related Project(s):	None		
0	s Ducie of Nouse	Water System Immersion anto in North Industrial Area		
о.	Project Name:	WA 020		
Project Number: wA-039 Construction Year: FY 2009-10 Estimated Cost: \$225,000		WA-039		
		F 1 2009-10		
	Estimated Cost:	\$323,000		
	Funding Source:	Water environing is inclosured on non-existent in portions of the north		
	robiem:	industrial area.		
	Proposed Solution:	Provide water system infrastructure in the north industrial area.		
	Identified By:	Staff		
	Related Project(s):	SA-041, ST-072, and SD-N18		

9. Project Name: Update the Water Master Plan

Project Number:	WA-038	
Implementation	Year: FY 2010-11	
Estimated Cost:	\$94,000	
Funding Source:	Water Improvement Fund (100%)	
Problem:	The last Water Master Plan was prepared in 1993 and needs to be updated as provided in ORS 223.309(2).	
Proposed Solution	Update the Waster Master Plan, which is a valid expenditure of system development charges in accordance with ORS 223.307(5).	
Identified By:	Staff	
Related Project(s	s): None	
10. Project Name:	Construct a 1.0 MG Standpipe	
Project Number:	: WA-008	
Construction Ye	ar: FY 2015-16	
Estimated Cost:	\$1,379,000	
Funding Source:	Water Improvement Fund (100%)	
Problem:	There is inadequate storage for Zones I, II, & III.	
Proposed Solution	on: Construct a 1.0 MG Standpipe to provide additional capacity for fire flow and periods that wells are inoperative or unable to meet demand.	

Identified By:Water Master Plan for Troutdale, Oregon, February, 1993, prepared by
Economic and Engineering Services, Inc.

Related Project(s): None

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Sanitary Sewer Improvements

1.	Project Name:	Upgrade Husky Pump Station	
	Project Number:	SA-040	
	Construction Year:	FY 2007-08	
	Estimated Cost:	\$207,000	
	Funding Source:	Sewer Fund (50%) and Sanitary Sewer Improvement Fund (50%)	
	Problem:	The pump station needs increased pump and motor capacity, increased wet well capacity, and enhanced motor controls.	
	Proposed Solution:	Upgrade the capacity of the pump station by providing a larger pump and motor and wet well.	
	Identified By:	Staff	
	Related Project(s):	None	
2.	Project Name:	Construct Sewer Line on SW 21st Street	
	Project Number:	SA-015	
	Construction Year:	FY 2007-08	
	Estimated Cost:	\$56,000	
	Funding Source:	Sanitary Sewer Improvement Fund (100%)	
	Problem:	There is no sanitary sewer line servicing the area of Sunrise Park.	
	Proposed Solution:	Install an 8" sanitary sewer main with manholes.	
	Identified By:	Staff	
	Related Project(s):	WA-007, SD-S21	
3.	Project Name:	Sewer System Improvements in North Industrial Area	
	Project Number:	SA-041	
	Construction Year:	FY 2009-10	
	Estimated Cost:	\$230,000	
	Funding Source:	Sewer Improvement Fund (100%)	
	Problem:	Sanitary sewer service is inadequate or non-existent in portions of the north industrial area.	
	Proposed Solution:	Provide sanitary sewer system infrastructure in the north industrial area.	
	Identified By:	Staff	

Related Project(s): WA-039, ST-072, and SD-N18

4.	Project Name:	Collection System Upgrades		
	Project Number:	SA-009		
	Construction Year:	FY 2011-12		
	Estimated Cost:	\$660,000		
	Funding Source:	Sanitary Sewer Improvement Fund (100%)		
	Problem:	Several segments of sanitary sewer mains are undersized.		
	Proposed Solution:	Upsize the undersized segments of sanitary sewer mains to provide adequate collection capacity.		
	Identified By:	City of Troutdale Sanitary Sewer Basin C Analysis and Report, September 1993, by Gibbs & Olson, Inc.; Staff		
	Related Project(s):	None		
		2		
5.	Project Name:	OEDD Debt Principal		
	Project Number:	NA		
	Implementation Year:	Through FY 2006-07		
	Estimated Cost:	\$572,531		
	Funding Source:	Sanitary Sewer Improvement Fund (100%)		
	Problem:	The principal on revenue bonds issued for improvements to the former sewage treatment plant is paid by the Sewer Improvement Fund. (Interest is paid by the Sewer Fund.)		
	Proposed Solution:	Pay the principal portion of the debt service payments from the Sanitary Sewer Improvement Fund.		
	Identified By:	Staff		
	Related Project(s):	None		
6.	Project Name:	GO Bond Debt Service		
	Project Number:	NA		
	Implementation Year:	Through FY 2017-18		
	Estimated Cost:	\$16,853,157		
	Funding Source:	Sanitary Sewer Improvement Fund (39%), Sewer Fund (28%) and Property Tax (33%).		

Problem:	Although the new treatment facility constructed with these GO bonds provided for a 47% increase in capacity (from 1.6 mgd to 3.0 mgd), the City Council determined that only 39% of the debt service payments should be paid by the Sanitary Sewer Improvement Fund.
Proposed Solution:	Pay 39% of the debt service payment from the Sanitary Sewer Improvement Fund.
Identified By:	Staff
Related Project(s):	None

Transportation Improvements

1.	Project Name:	Transportation Improvements in Former STP Area	
	Project Number:	ST-071	
	Construction Year:	FY 2006-07	
	Estimated Cost:	\$1,310,000	
	Funding Source:	Street Improvement Fund (50%), Private Development (50%)	
	Problem:	Transportation infrastructure is inadequate in the former sewage treatment plant area.	
	Proposed Solution:	Provide transportation infrastructure in the former sewage treatment plant area.	
	Identified By:	Staff	
2.	Project Name:	Extend SW 2nd Street to 257th Drive	
	Project Number:	ST-070	
	Construction Year:	FY 2007-08	
	Estimated Cost:	\$430,000	
	Funding Source:	Street Improvement Fund (100%)	
	Problem:	SW 2nd Street does not provide connectivity to 257th Drive.	
	Proposed Solution:	Upgrade SW 2nd Street and extend it to 257th Drive for right-in, right-out turns only, thus increasing the performance of SW 2nd Street.	
	Identified By:	Adjacent property owners	
	Related Project(s):	None	
3.	Project Name:	21st Street Sidewalk	
	Project Number:	ST-075	
	Construction Year:	FY 2008-09	
	Estimated Cost:	\$105,000	
	Funding Source:	Street Improvement Fund (100%)	
	Problem:	There are gaps in the sidewalk along SW 21st Street.	
	Proposed Solution:	Construct infill sidewalk on both sides of SW 21st Street from Sunrise Circle to Troutdale Road.	
	Identified By:	2005 Update of Transportation System Plan.	
	Related Project(s):	None	

4. Project Name: Pedestrian Crossing on Troutdale Road **Project Number:** ST-076 **Construction Year:** FY 2008-09 **Estimated Cost:** \$15,000 **Funding Source:** Street Improvement Fund (100%) **Problem:** There are inadequate safe crossing locations on Troutdale Road. Install a pedestrian crossing on Troutdale Road between Cherry Park **Proposed Solution:** Road and Stark Street. 2005 Update to Transportation System Plan. **Identified By: Related Project(s):** None Frontage Road Left Turn Lane 5. Project Name: ST-079 **Project Number: Construction Year:** FY 2008-09 **Estimated Cost:** \$255,000 **Funding Source:** Street Improvement Fund (33.3%), ODOT (33.3%), and Multnomah County (33.3%). Note: Those jurisdictions have yet to agree on this funding. **Problem:** Traffic eastbound on the southern Frontage Road wanting to go straight or turn left often queue up so that traffic desiring to turn right is prevented from doing so. Provide a left turn lane to minimize the queuing. **Proposed Solution:** Multiple jurisdictions during preparation of the 2005 update to the **Identified By:** Transportation System Plan. **Related Project(s):** None Improve SW Hensley Road 6. Project Name: **Project Number:** ST-012 **Construction Year:** FY 2009-10 **Estimated Cost:** \$285,000 **Funding Source:** Street Improvement Fund (100%) **Problem:** SW Hensley does not meet current City street standards due to a lack of sidewalks and related amenities. Improve SW Hensley Road by widening it and constructing **Proposed Solution:** sidewalks. Staff **Identified By:**

Related Project(s): None

- 7. Project Name: **Construct Pedestrian Accessways Project Number: ST-064 Construction Year:** FY 2009-10 **Estimated Cost:** \$28,000 **Funding Source:** Street Improvement Fund (100%) **Problem:** Lack of pedestrian connectivity in several areas of the City. Construct pedestrian accessways in various locations in the City. **Proposed Solution: Identified By:** Staff **Related Project(s):** None
- 8. Project Name: Improve NW Graham Road **Project Number:** ST-080 **Construction Year:** FY 2010-11 **Estimated Cost:** \$515,000 **Funding Source:** Street Improvement Fund (100%) Portions of NW Graham Road need to be widened to accommodate **Problem:** truck traffic. Widen selected portions of NW Graham Road. **Proposed Solution: Identified By:** Staff **SD-N20 Related Project(s):** Backage Road 9. Project Name: ST-077 **Project Number:**
- **Construction Year:** FY 2010-11 **Estimated Cost:** \$7,900,000 **Funding Source:** Street Improvement Fund (12%), ODOT STIP (88%). **Problem:** There are congestion and turning movement conflicts on the southern Frontage Road. **Proposed Solution:** Construct a roadway from the intersection of Marine Drive/South Frontage Road southerly and easterly to the intersection of 257th Drive/257th Way behind the Frontage Road businesses. Add a turn lane at the Frontage Road/257th Drive intersection **Identified By:** 2005 Update to Transportation System Plan.

Related Project(s):

None

10. Project Name:		Improve Stark Street from 257th to Troutdale Road		
	Project Number:	ST-007		
	Construction Year:	FY 2011-12		
	Estimated Cost:	\$3,000,000		
	Funding Source:	Street Improvement Fund (10%) and County/Regional Funds (90%)		
	Problem:	This portion of Stark Street needs additional travel lanes, a center turn lane, and bike and pedestrian capacity.		
	Proposed Solution:	Widen this portion of Stark Street to provide four travel lanes and a turn lane, reduce vertical and horizontal curves, and construct sidewalks and bike lanes.		
	Identified By:	Staff		
	Related Project(s):	None		
	at			
11.	Project Name:	Improve 242nd from Stark to Cherry Park		
	Project Number:	ST-073		
	Construction Year:	FY 2012-13		
	Estimated Cost:	\$900,000		
	Funding Source:	Street Improvement Fund (33.3%), City of Gresham (33.3%), and Multnomah County (33.3%). Note: Those jurisdictions have yet to agree on this funding.		
	Problem:	242nd Avenue lacks a center turn lane, which creates congestion and safety hazards. There is no sidewalk on the west side.		
	Proposed Solution:	Increase the capacity of 242nd Avenue by adding a turn lane and a sidewalk.		
	Identified By:	Staff		
	Related Project(s):	None		
12.	Project Name:	Signal at Buxton/Historic Columbia River Highway		
	Project Number:	ST-078		
	Construction Year:	FY 2012-13		
	Estimated Cost:	\$200,000		
	Funding Source:	Street Improvement Fund (100%)		
	Problem:	There is limited opportunity for traffic making a left turn from Buxton onto the Historic Columbia River Highway.		

Proposed Solution:	Install a traffic signal at the intersection of Buxton Avenue and the Historic Columbia River Highway.	
Identified By:	2005 Update to Transportation System Plan.	
Related Project(s):	None	

13. Project Name:		Franspor	tation Improvements in North Industrial Area
Project Number:		ST-060	
	Construction Year:	FY 2013-	-14
	Estimated Cost:	stimated Cost: \$300,000	
Funding Source: Street Improvement Fund (100%)		provement Fund (100%)	
Problem: Transportation infrastructure is industrial area.		tation infrastructure is inadequate or non-existent in the north l area.	
	Proposed Solution:	Provide t	ransportation infrastructure in the north industrial area.
	Identified By:	Staff	2
	Related Project(s):	WA-039	, SA-041, and SD-N18

oject Name:	Improve NW Dunbar Avenue
ject Number:	ST-045
nstruction Year:	FY 2015-16
imated Cost:	\$890,000
nding Source:	Street Improvement Fund (100%)
blem:	NW Dunbar Avenue is too narrow and lacks sidewalks.
posed Solution:	Improve NW Dunbar Avenue by widening it, constructing sidewalks, and making related improvements to bring it to standard.
ntified By:	Staff
ated Project(s):	SD-N16
nding Source: oblem: oposed Solution: entified By: lated Project(s):	 Street Improvement Fund (100%) NW Dunbar Avenue is too narrow and lacks sidewalks. Improve NW Dunbar Avenue by widening it, constructing sidewalk and making related improvements to bring it to standard. Staff SD-N16

Storm Drainage Improvements

1.	Project Name:	Update North Troutdale Master Plan
	Project Number:	NA
	Implementation Year:	FY 2006-07
	Estimated Cost:	\$100,000
	Funding Source:	Storm Sewer Improvement Fund (100%)
	Problem:	The current North Troutdale Master Plan, prepared in 1990, is outdated and needs to be updated to comply with ORS 223.309(2).
	Proposed Solution:	Update the North Troutdale Master Plan, which is a valid expenditure of system development charges in accordance with ORS 223.307(5).
	Identified By:	Staff
	Related Project(s):	None
	W.	
2.	Project Name:	21st Street Outfall Upgrade
	Project Number:	SD-S13
	Construction Year:	FY 2007-08
	Estimated Cost:	\$195,000
	Funding Source:	Storm Sewer Improvement Fund (50%), Storm Sewer Utility Fund (50%).
	Problem:	Erosion where this 18" pipe outfalls to Beaver Creek.
ŧ	Proposed Solution:	Tightline the flow down the canyon wall to the creek to handle current and future runoff.
	Identified By:	South Troutdale Drainage Master Plan, May 1996, prepared by KCM, Inc.
	Related Project(s):	None
3.	Project Name:	Columbia River Highway Control Structure
	Project Number:	SD-N04
	Construction Year:	FY 2007-08
	Estimated Cost:	\$10,000
	Funding Source:	Storm Sewer Improvement Fund (75%), Storm Sewer Utility Fund (25%).
	Problem:	There is a potential for flooding in the West Columbia River Highway area.

	Proposed Solution:	Add an inlet control manhole at the inlet to the existing 48" culvert which conveys Arata Creek under the Columbia River Highway.
	Identified By:	North Troutdale Storm Drainage Master Plan, March 1990, prepared by David J. Newton Associates, Inc.
	Related Project(s):	None
A	Project Name	South Frontage Read Drainage Improvements
4.	Duciest Number	South Frontage Road Drainage improvements
	Construction Voor	SD-1005
	Construction Year:	F 1 2007-08
	Estimated Cost:	\$36,000
	Funding Source:	Storm Sewer Improvement Fund (50%), Storm Sewer Utility Fund (50%)
	Problem:	There is a potential for flooding in the Southern Frontage Road area.
	Proposed Solution:	Install a 30" relief pipe along approximately 200 feet of the south side of the southern Frontage Road to divert excess flows. Install a 60-inch culvert under the Motel 6 access road and construct a detention control structure.
	Identified By:	North Troutdale Storm Drainage Master Plan, March 1990, prepared by David J. Newton Associates, Inc.
	Related Project(s):	None
5.	Project Name:	Marine Drive to Sundial Road Culvert
	Project Number:	SD-N08
	Construction Year:	FY 2007-08
	Estimated Cost:	\$565,000
	Funding Source:	Storm Sewer Improvement Fund (75%), Storm Sewer Utility Fund (25%).
	Problem:	There is inadequate drainage conveyance between Marine Drive and Sundial Road.
	Proposed Solution:	Replace the existing culverts and open channels from Marine Drive to Sundial Road with twin 60-inch pipes.
	Identified By:	North Troutdale Storm Drainage Master Plan, March 1990, prepared by David J. Newton Associates, Inc.
	Related Project(s):	None
6.	Project Name:	Sundial Road Culverts

	Project Number:	SD-N10
	Construction Year:	FY 2008-09
	Estimated Cost:	\$65,000
	Funding Source:	Storm Sewer Improvement Fund (25%), Storm Sewer Utility Fund (75%).
	Problem:	There is inadequate drainage conveyance for Salmon Creek under Sundial Road.
	Proposed Solution:	Replace the existing culverts with twin 77-inch by 52-inch culverts.
	Identified By:	North Troutdale Storm Drainage Master Plan, March 1990, prepared by David J. Newton Associates, Inc.
	Related Project(s):	None
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7.	Project Name:	Marine Drive Diversion
	Project Number:	SD-N01
	Construction Year:	FY 2008-09
	Estimated Cost:	\$702,000
	Funding Source:	Storm Sewer Improvement Fund (70%), Storm Sewer Utility Fund (30%).
	Problem:	There is inadequate drainage conveyance along Marine Drive east of Sundial Road.
	Proposed Solution:	Collect storm water flows at the west interchange area of I-84 and direct them through a new conveyance located along the south side of Marine Drive.
	Identified By:	North Troutdale Storm Drainage Master Plan, March 1990, prepared by David J. Newton Associates, Inc.
	Related Project(s):	None
8	Project Name.	SW 21st Street Storm Line
0.	Project Number	SD S21
	Construction Voor	SD-521
	Construction Year:	F 1 2008-09
	Estimated Cost:	
	Funding Source:	Storm Sewer Improvement Fund (100%)
	Problem:	There will need to be a storm water collection and conveyance system for the extended SW 21st Street.

Proposed Solution:	Construct storm water collection and conveyance facilities along SW 21st Street.
Identified By:	Staff
Related Project(s):	WA-007, SA-015

Graham Road Storm Drainage

None

9. Project Name:

Related Project(s):

	8-
Project Number:	SD-N20
Construction Year:	FY 2009-10
Estimated Cost:	\$255,000
Funding Source:	Storm Sewer Improvement Fund (100%)
Problem:	There is no developed storm drainage system along NW Graham Road.
Proposed Solution:	Construct a storm drainage system on NW Graham Road.
Identified By:	Staff

- Pump Station Upgrade, Phase II **10. Project Name:** SD-N07B **Project Number: Construction Year:** FY 2009-10 **Estimated Cost:** \$584,000 **Funding Source:** Storm Sewer Improvement Fund (50%), Storm Sewer Utility Fund (50%). **Problem:** There will be inadequate pumping capacity at the Sandy Drainage Improvement Company's pump station. **Proposed Solution:** Construct additional pumping and/or storage capacity. **Identified By:** North Troutdale Storm Drainage Master Plan, March 1990, prepared by David J. Newton Associates, Inc. **Related Project(s):** None **11. Project Name:** Columbia River Highway Underpass Bypass
 - Project Number:SD-N14Construction Year:FY 2010-11Estimated Cost:\$94,000Funding Source:Storm Sewer Improvement Fund (50%), Storm Sewer Utility Fund (50%).

Problem:	There is a potential for flooding in the West Columbia Highway area near the railroad overpass.
Proposed Solution:	Install a new storm drain to intercept flows coming from the south and east of the underpass.
Identified By:	North Troutdale Storm Drainage Master Plan, March 1990, prepared by David J. Newton Associates, Inc.
Related Project(s):	None
12. Project Name:	Wood Village Bypass
Project Number:	SD-N15
Construction Year:	FY 2010-11
Estimated Cost:	\$24,000
Funding Source:	Storm Sewer Improvement Fund (80%), Storm Sewer Utility Fund (20%).
Problem:	There is a potential for flooding in the vicinity of 244th Avenue/Halsey Street.
Proposed Solution:	Install a 30" bypass pipe to convey additional flows from the County Farm property.
Identified By:	North Troutdale Storm Drainage Master Plan, March 1990, prepared by David J. Newton Associates, Inc.
Related Project(s):	None
13. Project Name:	4th Street Drainage Improvement
Project Number:	SD-S15
Construction Year:	FY 2010-11
Estimated Cost:	\$87,000
Funding Source:	Storm Sewer Improvement Fund (50%), Storm Sewer Utility Fund (50%).
Problem:	Sections of SE Dora Avenue, SE Harlow Avenue, and SE 3rd Street have undersized storm lines.
Proposed Solution:	Abandon the 12-inch line along a portion of SE Dora Avenue and construct a new 15-inch line along SE 4th Street between SE Dora Avenue and Buxton Road.
Identified By:	South Troutdale Drainage Master Plan, May 1996, prepared by KCM, Inc.
Related Project(s):	None

14. Project Name:	Storm Improvements in North Industrial Area
Project Number:	SD-N18
Construction Year:	FY 2010-11
Estimated Cost:	\$300,000
Funding Source:	Storm Sewer Improvement Fund (100%)
Problem:	Storm drainage infrastructure is inadequate or non-existent in the north industrial area.
Proposed Solution:	Provide storm drainage infrastructure to meet development needs in the north industrial area.
Identified By:	Staff
Related Project(s):	WA-039, SA-041, and ST-072.
	54.
15. Project Name:	NW Dunbar Avenue Storm Line
Project Number:	SD-N16
Construction Year:	FY 2015-16
Estimated Cost:	\$293,000
Funding Source:	Storm Sewer Improvement Fund (100%)
Problem:	When NW Dunbar Avenue is improved, a new storm water collection and conveyance system will be required.
Proposed Solution:	Construct a new storm water collection and conveyance system for NW Dunbar Avenue.
Identified By:	Staff
Related Project(s):	ST-045
16. Project Name:	Stark Street Flood Plain Creation
Project Number:	SD-S16
Construction Year:	FY 2015-16
Estimated Cost:	\$2,775,000
Funding Source:	Storm Sewer Improvement Fund (75%), Storm Sewer Utility Fund (25%).
Problem:	Peak flows in Beaver Creek may create erosion and/or flooding problems.

Proposed Solution:	Create a flood plain in the vicinity of the southwest corner of Stark Street and Troutdale Road.
Identified By:	South Troutdale Drainage Master Plan, May 1996, prepared by KCM, Inc.
Related Project(s):	None