

RESOLUTION NO. 2197

A RESOLUTION ADOPTING THE PUBLIC WORKS DEPARTMENT CAPITAL IMPROVEMENT PLANS FOR STORM AND WATER AND RESCINDING RESOLUTION NO. 1995.

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 revenue from system development fees.
2. The capital improvement plan contained in this resolution is intended to comply with ORS 223.309.
3. The capital improvement plan contained in this resolution provides information regarding planned major maintenance and repair projects.

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 2013, which is attached hereto and made a part hereof, is adopted.

Section 2. Resolution No. 1995, which adopted the previous version of the Public Works Department Capital Improvement Plan, is rescinded.

Section 3. This resolution shall be effective July 1, 2013.

YEAS: 6

NAYS: 1 Councilor Allen

ABSTAINED: 0



Doug Daoust, Mayor

Date 3/14/13



Sarah Skroch, Deputy City Recorder

Adopted: March 12, 2013

**City of Troutdale
Public Works Department
Storm and Water
Capital Improvement Plan**



February 2013

CAPITAL IMPROVEMENT PROJECT LIST			February 11, 2013	STORM SEWER			Page 1 of 2	
PROJECT	Design Estimate	Construction Estimate	Fund	Replacement/Maintenance	Capacity Enhancing SDC Eligible	Year estimated	Description	Source of Project
North Graham Storm Sewer Improvements	NA	\$550,000	15.00 Storm Imp	NA	\$550,000	13-14	Port will utilize funds for a complete upgrade of N Graham Road	Staff
Beaver Creek Storm Drainage	NA	\$100,000	15.00 Storm Imp	NA	\$100,000	13-14	Beaver Creek Culverts; Execution by Army Corps w/ County & Metro	County, Army Corps
North Troutdale Storm Master Plan								
MCDD Improvements Salmon Creek Weir	NA	\$130,000	15.00 Storm Imp	NA	\$130,000	13-14	MCDD will utilize the funds for the project	2007 N Trtdl Storm MP
North Arata Creek Drain Line Improvement from Marine Dr to Salmon Creek	\$50,000	\$600,000	15.00 Storm Imp / 17.00 Storm	NA	\$650,000	15-16	Install 160' of 48" CMP under the railroad and 520' of 48" PVC Drain line.	2007 N Trtdl Storm MP
South Arata Creek Culvert Improvement	\$40,000	\$325,000	15.00 Storm Imp / 17.00 Storm	NA	\$365,000	16-17	Install 470' of 36" Culvert where Arata Creek crosses the railroad.	2007 N Trtdl Storm MP
Columbia River Highway Bypass Improvement	\$75,000	\$350,000	15.00 Storm Imp / 17.00 Storm	NA	\$425,000	14-15	Install a bypass where future flows leave the drainage area north or Halsey.	2007 N Trtdl Storm MP
Marine Drive Curve & Bypass South of Airport	\$50,000	\$625,000	15.00 Storm Imp / 17.00 Storm	NA	\$675,000	17-18	Install 2100' of 36" drain N of and parallel to Marine Drive and an additional 150' of 36" culvert crossing Marine Drive.	2007 N Trtdl Storm MP
South Troutdale Storm Master Plan								
Integrated Flood Control / Water Quality								
WQFC_D1 LID Pilot Project	\$50,000		15.00 Storm Imp / 17.00 Storm	?	\$50,000		Flooding is anticipated during the 25-year event downstream of this proposed project. Implementing a surface infiltration project would provide water quality treatment and potentially remove the need for pipe upsizing in SW 257th Ave. Requires coordination with Mult. Co. and private property owners.	2012 S Trtdl Storm MP
Integrated Flood Control								
FC_01 Plan Upsizing on SE 3rd and SE Dora St	\$30,000	\$101,000	15.00 Storm Imp	NA	\$131,000		Upsize pipe on SE Dora and SE 3rd Street	2012 S Trtdl Storm MP
FC_02 Curb Installation	NA	\$2,500	17.00 Storm Imp	\$2,500	NA	13-14	Install approximately 50-ft of curb in the stub street off of SE 15th to provide some storage capacity in the street	2012 S Trtdl Storm MP
FC_03 Pipe Upsizing on SE 21st Street	\$24,500	\$81,600	15.00 Storm Imp	NA	\$106,100		Upsize pipe on SE 21st	2012 S Trtdl Storm MP
FC_04 Pipe Upsizing on NW 257th Ave.	\$121,000	\$402,000	15.00 Storm Imp	NA	\$523,000		Upsize pipe in SW 257th Ave. Alternate project is WQFC_D1. Coordinate with Mult. Co.	2012 S Trtdl Storm MP

CAPITAL IMPROVEMENT PROJECT LIST

February 11, 2013

STORM SEWER

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PROJECT	Design Estimate	Construction Estimate	Fund	Replacement/Maintenance	Capacity Enhancing SDC Eligible	Year estimated	Description	Source of Project
Water Quality 1 each 5 years								
WQ_03 Sandee Palisades Detention Pond Retrofit	\$40,000	\$114,000	15.00 Storm Imp	NA	\$154,000		Project involve removing impermeable liner and adding infiltration capacity to facility	2012 S Trtdl Storm MP
WQ_04 Vegetated Infiltration Facility (retention pond) at Outfall BCO10	\$400,000	\$1,140,000	15.00 Storm Imp	NA	\$1,540,000		Install off-line vegetated infiltration facility upstream of the outfall near Depot Park along	2012 S Trtdl Storm MP
WQ_05 Strawberry Meadows Detention Pond Retrofit	\$22,000	\$63,000	15.00 Storm Imp	NA	\$85,000		Project involve removing impermeable liner and adding infiltration capacity to facility	2012 S Trtdl Storm MP
WQ_06 Vegetated Infiltration Facility (rain garden) at Weedin Park.	\$77,000	\$220,000	15.00 Storm Imp	1 each every 5 years	\$297,000		Install off-line vegetated infiltration facility in Weedin Park	2012 S Trtdl Storm MP
wq_07 Stuart Ridge Detention Pond Retrofit	\$16,000	\$45,000	15.00 Storm Imp		\$61,000		Retrofit Stuart Ridge pond to provide infiltration and water quality treatment	2012 S Trtdl Storm MP
WQ_08 Vegetated Infiltration Facility (rain garden) at Sweetbriar Park	\$37,000	\$108,000	15.00 Storm Imp	NA	\$145,000		Install off-line vegetated infiltration facility at SE Evans and 36th street	2012 S Trtdl Storm MP
WQ_09 Stormwater Planters (Green Streets) at SE Evans Avenue.	\$96,000	\$277,000	15.00 Storm Imp	NA	\$373,000		Install stormwater plants along SE Evans Street	2012 S Trtdl Storm MP
WQ_10 Stormwater Planters (Green Streets) at SW 21st Avenue	\$48,000	\$136,000	15.00 Storm Imp	NA	\$184,000	2013-2014	Install stormwater planters along SW Hensley/21st Street	2012 S Trtdl Storm MP
Other projects								
SW 21st Street Outfall Upgrade	\$30,000	\$175,000	15.00 Storm Imp / 17.00 Storm	\$100,000	\$105,000	18-19	Tightline flow down to base of canyon to prevent erosion/incising of canyon wall	1996 S master plan
Phase 2 of the SDIC pump sta upgrade	NA	\$600,000	15.00 Storm Imp / 17.00 Storm	\$300,000	\$300,000	Ask SDIC	Upgrade SDIC pump station that serves north industrial area for increased capacity	1990 N Trtdl Storm MP
NW Dunbar ave Storm Line	\$25,000	\$275,000	15.00 Storm Imp	NA	\$300,000	15-16	Provide stormwater collection/conveyance when Dunbar is improved. May require pumping system	Staff
N Evans outfall repair	\$10,000	\$40,000	17.00 Storm	\$50,000	NA	13-14	N Evans outfall has been severely undermined and is breaking up	Staff
I-84 Underpass storm sewer upgrade		\$300,000	15.00 Storm Imp / 17.00 Storm	\$150,000	\$150,000	15-16	Slip form existing 36" line under freeway for new underpass project	SDIC/ODOT

CAPITAL IMPROVEMENT PROJECT LIST

February 11, 2013

WATER

PROJECT	Design Estimate	Construction Estimate	Fund	Replacement/ Maintenance	Capacity Enhancing SDC Eligible	Year estimated	Description	Source of Project
Water Connectivity CIP's								
Fire Flow Improvement for Pressure Zone 5	35,000	NA	11.00 Water Imp	NA	35,000	13-14	Loop from URA to Harlow Place for reliability and fire flow in N Industrial Area	2012 Water MP
I-84 underpass portion	NA	115,000	11.00 Water Imp	NA	115,000	13-14	Design and construction of the portion of water line to coincide with the construction of the I-84 Sandy River Bridge Bike Path underpass	2012 Water MP
Remaining portion of project	NA	135,000	11.00 Water Imp	NA	135,000	14-15	Connections to Harlow Place and URA	2012 Water MP
Serve South Urban Plan Area	40,000	372,000	Developers	NA	NA	16-17	Water systems to serve new subdivisions	2012 Water MP
Serve Strebin Farm Area	25,000	160,000	Developers	NA	NA	17-18	Water systems to serve new subdivisions	2012 Water MP
Rehab/Upgrade Booster Pump Station 2	24,000	175,000	03.00 Water 11.00 Water Imp	199,000	NA	16-17	Rehab booster station for emergency pressure boosting and improved fire flows	2012 Water MP
Rogers Road Loop	25,000	180,000	11.00 Water Imp / Developer	NA	102,500	22-23	Loop from Rogers Road to RMAC site. Partially developer constructed.	2012 Water MP
Beaver Creek Crossing	22,000	88,000	11.00 Water Imp	NA	110,000	22-23	Loop from Beaver Creek Lane to Sandee Palisades	2012 Water MP
Jackson Park Road Waterline	65,000	295,000	11.00 Water Imp	NA	360,000	24-25	Provide municipal water service to JPR	2012 Water MP
New Reservoir 5 with Line to Zone 1	215,000	1,750,000	11.00 Water Imp	NA	1,965,000	23-24	Additional emergency and peak storage	2012 Water MP
7th Street - Kings Byway Watermain Upsizing	50,000	320,000	11.00 Water Imp	NA	370,000	14-15	Bring fire flows in 7th/Kings area to current standard	2012 Water MP
Loop Water Line - 21st to Hensley (thru Sunrise Park)	10,000	75,000	11.00 Water Imp	NA	85,000	18-19	Loop for redundancy, reliability, fire-flow	Staff (2009 CIP)
Water Supply CIP's								
Comprehensive Well Assessment	50,000	NA	03.00 Water	50,000	NA	12-13	Hydrogeologic and engineering analysis to identify rehab solutions to recover capacity	2012 Water MP
Recoat Interior of Steel Reservoirs	25,000	NA		25,000	NA			
Reservoir #2	NA	250,000	03.00 Water	250,000	NA	15-16	Replace interior protective coating	2012 Water MP
Reservoir #3	NA	250,000	03.00 Water	250,000	NA	16-17	Replace interior protective coating	2012 Water MP
Reservoir #4	NA	250,000	03.00 Water	250,000	NA	14-15	Replace interior protective coating	2012 Water MP
New Well #9	275,000	1,700,000	11.00 Water Imp	NA	1,975,000	17-18	Additional source capacity	2012 Water MP
Well #3 Design/Rehab	25,000	75,000	03.00 Water	100,000	NA	22-23	Recover degraded source capacity	2012 Water MP
Well #6 Design/Rehab	25,000	100,000	03.00 Water	125,000	NA	13-14	Recover degraded source capacity	2012 Water MP
Well #7 Design/Rehab	25,000	75,000	03.00 Water	100,000	NA	26-27	Recover degraded source capacity	2012 Water MP
Well #8 Design/Rehab	25,000	75,000	03.00 Water	100,000	NA	17-18	Recover degraded source capacity	2012 Water MP
Improving Water Quality	100,000	NA	03.00 Water	100,000	NA	21-22	Water quality study to ID strategies for managing arsenic and manganese in water supply.	2012 Water MP

CAPITAL IMPROVEMENT PROJECT LIST		February 11, 2013		WATER			Page 2 of 2	
PROJECT	Design Estimate	Construction Estimate	Fund	Replacement/ Maintenance	Capacity Enhancing SDC Eligible	Year estimated	Description	Source of Project
Incident Resiliency CIP's								
Reservoir Seismic Study	75,000	NA	03.00 Water	75,000	NA	14-15	Identify seismic upgrades needed at reservoirs	2012 Water MP
Reservoir 2 Seismic Improvements	45,000	250,000	03.00 Water	295,000	NA	28-29	Construct seismic upgrades to Res 2	2012 Water MP
Reservoirs 1,3,4 Seismic Improvements	50,000	300,000	03.00 Water	350,000	NA	29-32	Construct seismic upgrades to Res 1, 3 and 4	2012 Water MP
Relocation/Repair								
Relocate Water Line @ Marine Drive at Underpass	15,000	135,000	03.00 Water	150,000	NA	13-14	drive has revealed that the supports may affect the	ODOT
Replace Well No. 2 Pump and Motor	NA	50,000	03.00 Water	50,000	NA		Will eventually need replacment due to aging/wear	Staff
Replace Well No. 7 Pump and Motor	NA	50,000	03.00 Water	50,000	NA		Will eventually need replacment due to aging/wear	Staff
Replace Well No. 6 Pump and Motor	NA	50,000	03.00 Water	50,000	NA		Will eventually need replacment due to aging/wear	Staff
Replace Well No. 8 Pump and Motor	NA	50,000	03.00 Water	50,000	NA		Will eventually need replacment due to aging/wear	Staff
Replace Well No. 3 Pump and Motor	NA	50,000	03.00 Water	50,000	NA		Will eventually need replacment due to aging/wear	Staff
Repaint Reservoir 2	NA	50,000	03.00 Water	50,000	NA	19-20	Repaint exterior of Stark Street Reservoir	Staff
Repaint Reservoir 3	NA	50,000	03.00 Water	50,000	NA	22-23	Repaint exterior of Columbia Park Reservoir	Staff
Repaint Reservoir 4	NA	50,000	03.00 Water	50,000	NA	25-26	Repaint exterior of Strebin Reservoir	Staff