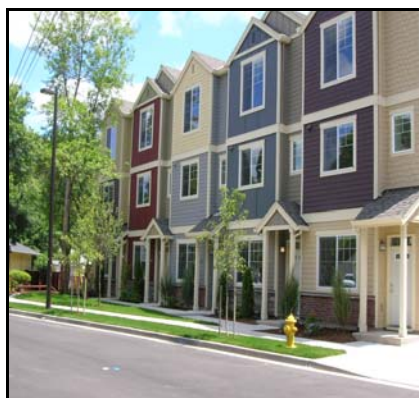




# CITY OF TIGARD COMMUNITY INVESTMENT PLAN FY 2007 - 2012



# 2007 – 2012 Community Investment Plan

*Prepared By CIP Project Team*

Tom Coffee, Community Development Director  
Carissa Collins, Management Analyst  
Michelle Wareing, Management Analyst  
Gus Duenas, City Engineer  
Dennis Koellermeier, Public Works Director  
Vannie Nguyen, Engineering Manager  
Robert Sesnon, Financial & Information Services Director

Pictures provided by Christine Darnell & Greer Gaston

# Table of Contents

<b>FACILITIES SYSTEM</b>	<b>1-8</b>
<b>PARKS SYSTEM</b>	<b>9-21</b>
<b>SANITARY SEWER SYSTEM</b>	<b>22-30</b>
<b>STORM DRAINAGE SYSTEM</b>	<b>31-45</b>
<b>STREET SYSTEM</b>	<b>46-76</b>
<b>WATER SYSTEM</b>	<b>77-101</b>
<b>URBAN RENEWAL DISTRICT</b>	<b>102-122</b>

**Project # 107-0741**

**Library Parking Lot Expansion**

**Project Description**

The library parking lot is almost always full, especially during events that draw a crowd to the library. This project expands the existing parking lot to provide additional parking spaces for library patrons. The expansion of the parking lot is contingent upon the construction of a joint access, whose alignment coincides with the proposed Wall Street, from its intersection with Hall Boulevard to a point 360 feet east of the intersection. The main entry to the library will be relocated to line up with the book return and the existing driveway will be removed. The area for expansion is between the existing parking lot and the northerly right-of-way of the joint access. Included in the construction are minor reconfiguration of the existing parking lot, installation of parking lot lights, landscaping, and retaining walls if necessary.

**Location:** 13500 SW Hall Blvd.

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Facility Fund \$250,000  
**Total Funding Sources \$250,000**

**Fiscal Years**

**2007-2008   2008-2009   2009-2010   2010-2011   2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction            \$250,000

**Total Costs                \$250,000**

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**

**Project # 106-0648**

**Library Projects – Houghton – Root Donation**

**Project Description**

Library projects that are to be funded by donations received from Grace Tigard Houghton and Neva Root.

**Location:** 13500 SW Hall Blvd.

**Status:** Adopted FY 2006-07;  
Carried over to FY 2007-08  
Funded



**Funding Sources:**

Facility Fund	\$417,486
<b>Total Funding Sources</b>	<b>\$417,486</b>

**Fiscal Years**

**2007-2008   2008-2009   2009-2010   2010-2011   2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction                    \$417,486

**Total Costs                    \$417,486**

**Project Manager: Margaret Barnes, Library**

**Project # 107-0417      Senior Center Remodel and Seismic Upgrade**

**Project Description**

Remodel/expand Senior Center to meet increased service demands from senior community in Tigard. Contingency has been included in total Construction costs. The remodel of the facility will be conducted in two phases with the first phase being completed in FY 2007-08, and the second phase during FY 2008-09.

**Location:** 8815 SW O'Mara St.

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Facility Fund	\$446,000
Community Development Block Grant	\$378,000
Other Revenue	<u>\$100,000</u>
<b>Total Funding Sources</b>	<b><u>\$924,000</u></b>

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way					
Pre-Design					
Design & Engineering	\$75,000	\$15,000			
Construction	\$682,000	\$152,000			
<b>Total Costs</b>	<b>\$757,000</b>	<b>\$167,000</b>			

**Project Manager: Dan Plaza, Parks**



**Project # 107-0872**

**Public Facilities Digital Video Surveillance System**

**Project Description**

A video surveillance system is currently installed at the Police Department with cameras in the front lobby, holding cells and parking areas. This system is seriously outdated. There is no recording functionality, and the video is black and white with poor quality.

This project will replace and expand the current system that will include digital recording functionality and several additional cameras, including two cameras to be focused on the planned skate park facility.

**Location:** Tigard Water Building

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Facility Fund	<u>\$45,000</u>
<b>Total Funding Sources</b>	<b><u>\$45,000</u></b>

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
--	------------------	------------------	------------------	------------------	------------------

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction	\$45,000
--------------	----------

<b>Total Costs</b>	<b>\$45,000</b>
--------------------	-----------------

**Project Manager:** Louis Sears, Financial & Information Services

**Project # 107-0617**

**Water Building UST Decommission**

**Project Description**

This project will decommission the two existing underground fuel storage tanks at the Water Building and add a 2000 gallon, above-ground emergency tank.

**Location:** Tigard Water Building

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

General Fund	<u>\$45,000</u>
<b>Total Funding Sources</b>	<b><u>\$45,000</u></b>

**Fiscal Years**

**2007-2008   2008-2009   2009-2010   2010-2011   2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction                      \$45,000

**Total Costs                      \$45,000**

**Project Manager: Dennis Koellermeier, Public Works**



**Project # 107-0785      New Public Works Facility**

**Project Description**

The City of Tigard Public Works Department Facility Needs Analysis, dated March 29, 2006, indicated the Public Works Department would need a site size of approximately 8.0 acres. The department is currently located on two separate sites: The Water Building site at 8777 SW Burnham Street and the Public Works Operations yard, located at 12800 SW Ash Avenue. Neither site is of sufficient size to consolidate the department. In addition, the Operations yard site is flagged for future development related to the downtown improvements, which points toward the need to find a new site for the department. This project will also include funds for locating and purchasing an appropriate site, as well as funds for design and construction.

**Location:** 8777 SW Burnham St.

**Status:** Proposed FY 2009-10  
Unfunded



**Funding Sources:**

Unidentified Revenue Source    \$12,610,000  
**Total Funding Sources        \$12,610,000**

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way			\$4,000,000		
Pre-Design					
Design & Engineering			\$1,100,000		
Construction				\$3,750,000	\$3,750,000
<b>Total Costs</b>			<b>\$5,100,000</b>	<b>\$3,750,000</b>	<b>\$3,750,000</b>

**Project Manager: Brian Rager, Public Works**

**Project # 110-0817**

**New Police Department**

**Project Description**

The Tigard Police Department's facility is too small and the situation will continue to deteriorate as we expand our staff to meet the needs of the community. The current police facility was occupied in 1986 with 5300 sq. ft. It was expanded in 1996, adding 3000 sq. ft. At the time of the expansion, the facility was projected to be sufficient for the Police Department's needs until 2005. The projection was accurate; the building is no longer sufficient to meet our needs and has not met them for the past five years. At the time of our 1996 expansion the PD had 61 FTEs. There are now 80 FTEs, eight part-time employees, up to seventeen volunteers and frequently one intern. Because we have outgrown our current facility we are storing more equipment and evidence offsite. We also have filled a modular building behind the PD with eight workspaces, equipment and files we are required to maintain. Due to overcrowding, the Police Department uses shared workspaces for sergeants, background investigators, patrol officers and others whenever possible. In addition, due to lack of space, we are renting three offsite storage units at approximately \$25,000 per year. The last ten years has cost the City of Tigard over \$250,000 in rental fees. As stated above, the PD is currently a facility that does not meet our needs and the usefulness of the current space will only deteriorate as we add additional staffing and the space/storage needs. Now is the time to plan for a new facility.

**Location:** 13125 SW Hall Blvd.

**Status:** Proposed FY 2010-11  
Unfunded



**Funding Sources:**

Unidentified Revenue Source \$11,000,000  
**Total Funding Sources \$11,000,000**

**Fiscal Years**

**2007-2008    2008-2009    2009-2010    2010-2011    2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering \$1,000,000

Construction \$10,000,000

**Total Costs \$1,000,000    \$10,000,000**

**Project Manager: Dennis Koellermeier, Public Works**

**Project # 110-0843**

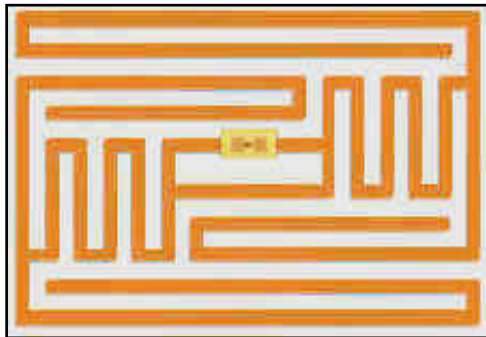
**RFID Technology**

**Project Description**

The RFID Technology is an automated materials handling system that will be used by Circulation staff within the City's Library. This system is designed to improve the efficiency of the return of Library materials.

**Location:** Tigard Library

**Status:** Proposed FY 2011-12  
Unfunded



**Funding Sources:**

Unidentified Revenue Source \$750,000  
**Total Funding Sources** **\$750,000**

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way					
Pre-Design					
Design & Engineering					
Construction					\$750,000
<b>Total Costs</b>					<b>\$750,000</b>

**Project Manager:** Margaret Barnes, Library

**Project # 208-0753**

**Brown Property Trail Construction**

**Project Description**

This will be a 1500 foot segment of the Fanno Creek Trail connecting the Tigard Library to Bonita Park. It will be a 10 foot wide, concrete trail and will include one bridge to cross Fanno Creek.

**Location:** Tigard Library to Bonita Park

**Status:** Proposed FY 2008-09  
Funded



**Funding Sources:**

Metro Greenspace Revenues	\$192,500
Park SDC	\$ 57,500
<b>Total Funding Sources</b>	<b><u>\$250,000</u></b>

**Fiscal Years**

	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
Land/Right-of-Way					
Pre-Design					
Design & Engineering		\$25,000			
Construction			\$225,000		
<b>Total Costs</b>		<b>\$25,000</b>	<b>\$225,000</b>		

**Project Manager: Dan Plaza, Parks**

**Project #211-0760**

**Cach Park Development**

**Project Description**

This park, located on Sunrise Lane on Bull Mountain, will contain playgrounds, swing sets, basketball court, picnic shelter, pathways, and open play fields, restrooms, drinking fountains, and benches.

**Location:** Sunrise Lane

**Status:** Proposed FY 2011-12  
Funded



**Funding Sources:**

Park SDC	<u>\$265,000</u>
<b>Total Funding Sources</b>	<b><u>\$265,000</u></b>

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way					
Pre-Design					
Design & Engineering					\$15,000
Construction					\$250,000
<b>Total Costs</b>					<b>\$265,000</b>

**Project Manager: Dan Plaza, Parks**



**Project # 207-0739**

**Canterbury Park Purchase and Development**

**Project Description**

The City will purchase a portion of the Tigard Water District reservoir property to develop a neighborhood park. The park development project will include a playground structure, picnic shelter, basketball court, portable restroom, picnic tables, benches, garbage cans, and soft and hard surface trails. This site is located at the intersection of 103rd Ave. and Canterbury Lane.

**Location:** 103<sup>rd</sup> Ave. & Canterbury Lane

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

General Fund	\$ 660,000
Park SDC	\$ 440,000
<b>Total Funding Sources</b>	<b><u>\$1,100,000</u></b>

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way	\$1,000,000				
Pre-Design	\$15,000				
Design & Engineering					
Construction	\$85,000				
<b>Total Costs</b>	<b>\$1,100,000</b>				

**Project Manager: Dan Plaza, Parks**



**Project # 207-0823**

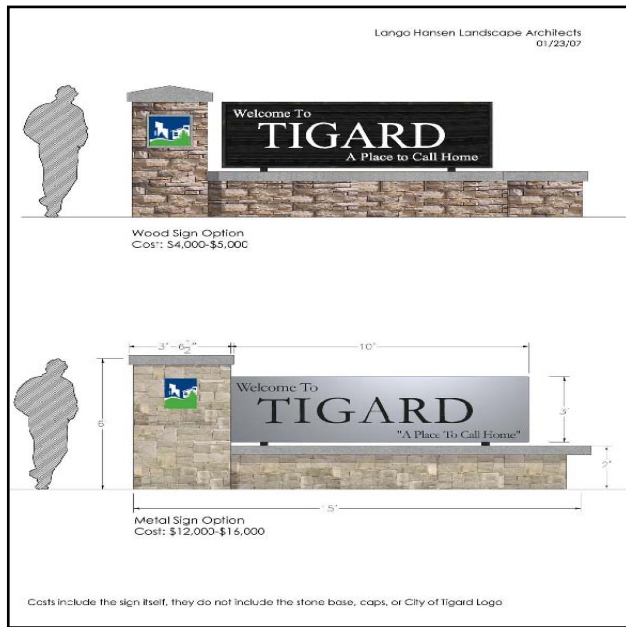
**City Entryway Monuments**

**Project Description**

This project ties with a Council goal to establish custom entryway monument signs at key entry points into the City. A landscape architect was hired to develop detailed designs for these monuments and signs, and it is anticipated that for the next three fiscal years, two monuments will be installed per year.

**Location:** TBD

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

General Fund

\$109,400

**Total Funding Sources**

\$109,400

**Fiscal Years**

**2007-2008   2008-2009   2009-2010   2010-2011   2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction                      \$35,000              \$36,400              \$38,000

**Total Costs                      \$35,000              \$36,400              \$38,000**

**Project Manager: Dennis Koellermeier, Public Works**

**Project # 207-0738**

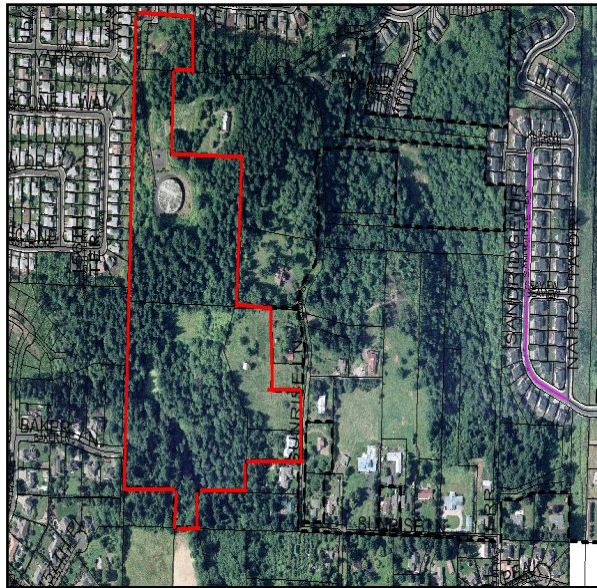
**Clute Property Park Development**

**Project Description**

This park development project will include a playground structure, picnic shelter, basketball court, portable restroom, picnic tables, benches, garbage cans, and soft and hard surface trails.

**Location:** Bull Mountain

**Status:** Proposed FY 2010-11  
Funded



**Funding Sources:**

Park SDC	\$36,000
General Fund	\$54,000
<b>Total Funding Sources</b>	<b><u>\$90,000</u></b>

**Fiscal Years**

	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
Land/Right-of-Way					
Pre-Design					
Design & Engineering					
Construction				\$15,000	\$75,000
<b>Total Costs</b>				<b>\$15,000</b>	<b>\$75,000</b>

**Project Manager: Dan Plaza, Parks**

## Project # 208-0846    Cook Park Bathroom Shelter Replacement & Rehabilitation

### Project Description

Replace bathroom and rehabilitate shelter #1 at Cook Park. These facilities are approximately 15-years old and are in very poor condition. The old restrooms will be replaced and the present shelter will be rehabilitated. Both share the same building structure. This project will separate the two facilities.

**Location:** Cook Park

**Status:** Proposed FY 2008-09  
Funded



### **Funding Sources:**

General Fund	<u>\$70,000</u>
<b>Total Funding Sources</b>	<b><u>\$70,000</u></b>

### **Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
--	------------------	------------------	------------------	------------------	------------------

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction	\$70,000
--------------	----------

<b>Total Costs</b>	<b>\$70,000</b>
--------------------	-----------------

**Project Manager: Dan Plaza, Parks**

**Project # 208-0752**

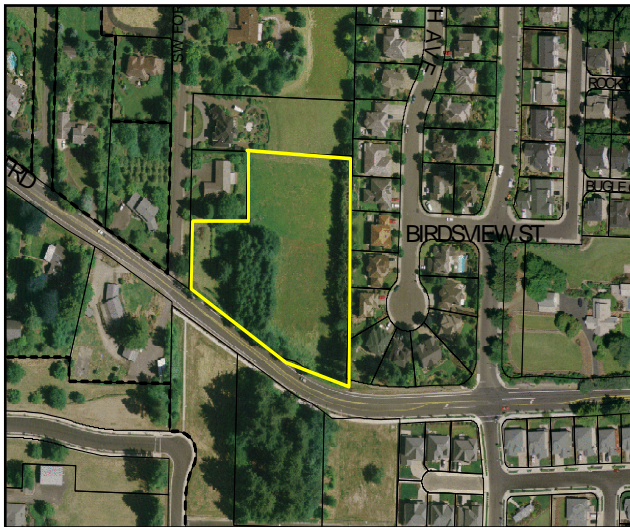
**Elizabeth Price Park Development**

**Project Description**

This park will, located on Bull Mountain Road across the street from Alberta Rider School, will contain a tot lot, climbing structure, pathways, drinking fountains, benches, and picnic tables.

**Location:** Bull Mountain Rd.

**Status:** Proposed FY 2008-09  
Funded



**Funding Sources:**

Park SDC	<u>\$100,000</u>
<b>Total Funding Sources</b>	<b><u>\$100,000</u></b>

**Fiscal Years**

**2007-2008    2008-2009    2009-2010    2010-2011    2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering                      \$10,000

Construction                                      \$90,000

**Total Costs                                      \$100,000**

**Project Manager: Dan Plaza, Parks**

**Project # 207-0746**

**Fanno Creek Trail (Hall Blvd. to Fanno Creek)**

**Project Description**

The new trail will begin on the east side of Hall Boulevard, then southward to north of Fanno Creek and connect to the terminus of the existing trail behind the Library through a wooden bridge. The final alignment of the new trail is contingent upon the level of impacts to the sensitive lands located in the trail's vicinity. Bridge materials have been purchased by the City and installation of the new bridge awaits final determination of the trail's alignment. Funding provided for this project is for construction and design of the trail and the bridge's abutments.

**Location:** East of Hall Blvd. & North of Fanno Cr.

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

General Fund	\$120,120
Park SDC	\$ 35,880
<b>Total Funding Sources</b>	<b><u>\$156,000</u></b>

**Fiscal Years**

**2007-2008   2008-2009   2009-2010   2010-2011   2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction                    \$156,000

**Total Costs                    \$156,000**

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**



**Project # 207-0844**

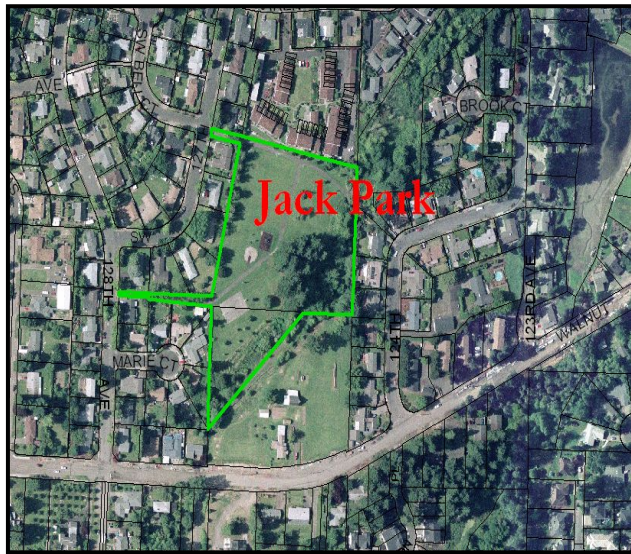
**Jack Park Extension**

**Project Description**

Purchase and develop approximately 2-acres on Walnut Street adjacent to Jack Park. This project is in conjunction with the new TVF&R fire station. This park will continue to serve the residents living in the vicinity of Jack Park. The development to occur on the 2-acre site consists of: turf areas, parking, playground structure, trail, and a bridge to cross the creek.

**Location:** Near 12420 SW 127<sup>th</sup> Ave.

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Park SDC	\$275,700
Metro Greenspaces Revenue	\$207,000
General Fund	<u>\$117,300</u>
<b>Total Funding Sources</b>	<b><u>\$600,000</u></b>

**Fiscal Years**

	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
Land/Right-of-Way	\$345,000				
Pre-Design					
Design & Engineering	\$25,500				
Construction	\$229,500				
<b>Total Costs</b>	<b>\$600,000</b>				

**Project Manager: Dan Plaza, Parks**



**Project # 207-0751**

**Land Acquisition**

**Project Description**

This program is designed to purchase open space property and "active" park property.

**Location:** TBD

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Metro Greenspace Revenues	\$1,070,717
Park SDC	<u>\$ 713,794</u>
<b>Total Funding Sources</b>	<b><u>\$ 1,784,511</u></b>

	<b>Fiscal Years</b>				
	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way	\$329,000	\$674,000	\$781,511		
Pre-Design					
Design & Engineering					
Construction					
<b>Total Costs</b>	<b>\$329,000</b>	<b>\$674,000</b>	<b>\$781,511</b>		

**Project Manager: Dan Plaza, Parks**

**Project #207-0874**

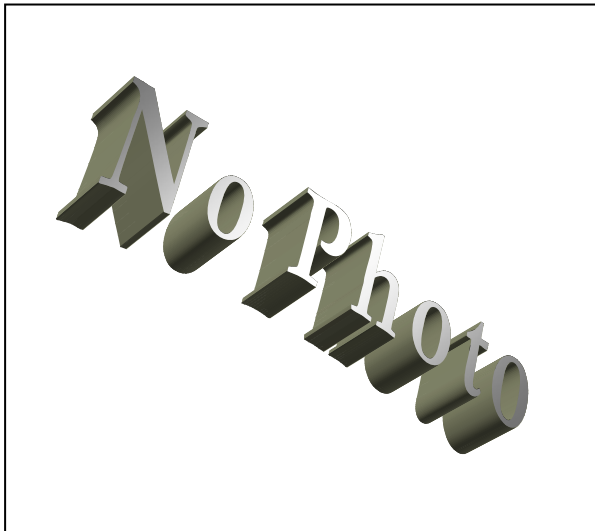
**Park System Master Plan Update**

**Project Description**

The current Park System Master Plan was approved in 1999. Although only 8-years have passed since it was approved, it is staff's belief that an update at this time is in the City's best interest because it will coincide with the City's Comprehensive Plan process currently underway. The plan will address land acquisition and park development projects for the next ten years.

**Location:** n/a

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Park SDC	<u>\$50,000</u>
<b>Total Funding Sources</b>	<b><u>\$50,000</u></b>

**Fiscal Years**

**2007-2008   2008-2009   2009-2010   2010-2011   2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering    \$50,000

Construction

**Total Costs                    \$50,000**

**Project Manager: Dan Plaza, Parks**

**Project # 207-0853**

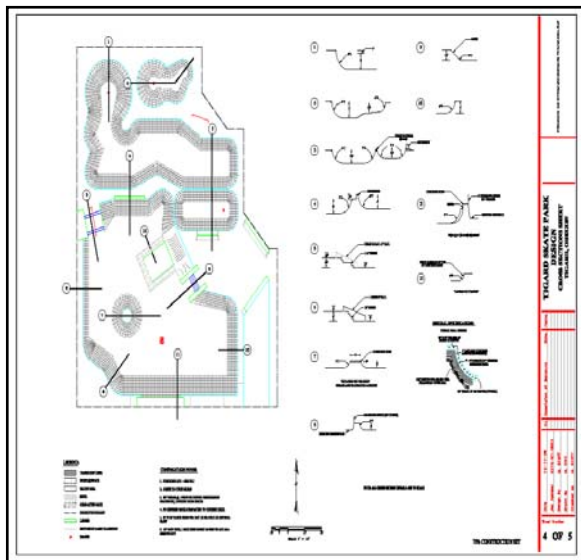
**Skate Park Development & Construction**

**Project Description**

This project constructs a 15,000 square foot, in-ground skate park in the area of the City Hall parking lot approved by City Council. Primary funding for this project will come from private donations, grants, and system development charges. Private donations are expected to raise approximately \$105,000. Grants are expected to account for \$150,000 and the balance will come from the Parks SDC fund. All these funding sources will be consolidated and transferred into the Park Capital Fund.

**Location:** Burnham St. & Hall Blvd.

**Status:** Proposes FY 2007-08  
Funded



**Funding Sources:**

Park SDC	\$418,000
Oregon Recreation Parks Department Grant	\$150,000
Donations	\$ 65,000
<b>Total Funding Sources</b>	<b><u>\$633,000</u></b>

**Fiscal Years**

**2007-2008   2008-2009   2009-2010   2010-2011   2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction                      \$633,000

**Total Costs                      \$633,000**

**Project Manager: Dan Plaza, Parks**

**Project # 207-0747**

**Washington Square Regional Center Trail**

**Project Description**

This project provides funding for right-of-way acquisition and construction of a trail on the south side of Ash Creek between 95th Avenue and Hall Boulevard. The trail will be approximately 3,000 feet long by 10 feet wide and will be a multi-use bicycle and pedestrian path.

The project is funded through Washington County's MSTIP 3 Bike/Ped funds in the amount of \$250,671, and through the Metropolitan Transportation Improvement Program (MTIP) in the amount of \$179,349. The County's MSTIP 3 funding (\$250,671) will be used for design and right-of-way acquisition and the MTIP funds (\$179,349) will be used to construct the project. The total project budget from both sources is \$430,020. In FY 2006-07, \$40,000 is utilized for environmental assessment and preliminary design. Wetland permitting, final design and right-of-way acquisition are scheduled to be completed in FY 2007-08. Construction is anticipated to begin in June 2008 and completed in September 2008.

**Location:** Between 95<sup>th</sup> Ave. & Hall Blvd.

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

MTIP Grant	\$179,349
MSTIP 3 Bike/Peds Funds	<u>\$210,671</u>
<b>Total Funding Sources</b>	<b><u>\$390,020</u></b>

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way	\$160,671				
Pre-Design					
Design & Engineering	\$50,000				
Construction	\$89,349	\$90,000			
<b>Total Costs</b>	<b>\$300,020</b>	<b>\$90,000</b>			

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**

**Project # 307-0763**

**Bonita Road at Fanno Creek Pipe Removal**

**Project Description**

In FY 2002-03 the City installed approximately 250 feet of an 8-inch sanitary sewer pipe to replace an existing pipe that has low spots and poor grade. This segment of the line is located at the Fanno Creek crossing west of the Bonita Road/Milton Court intersection. At the time of construction, the City decided to abandon the existing pipe in place with the intention of removing it at a later time. Due to other project priorities, the project has been delayed. Preliminary design and wetland permits have been obtained. Funding is provided for removal of the pipe crossing Fanno Creek at this location.

**Location:** West of Bonita Rd. / Milton Ct. Intersection

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Sanitary Sewer	<u>\$20,000</u>
<b>Total Funding Sources</b>	<b><u>\$20,000</u></b>

**Fiscal Years**

**2007-2008   2008-2009   2009-2010   2010-2011   2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction                      \$20,000

**Total Costs                      \$20,000**

**Project Manager: Brian Rager, Public Works**

**Project # 305-0217**

**Citywide Sanitary Sewer Extension Program**

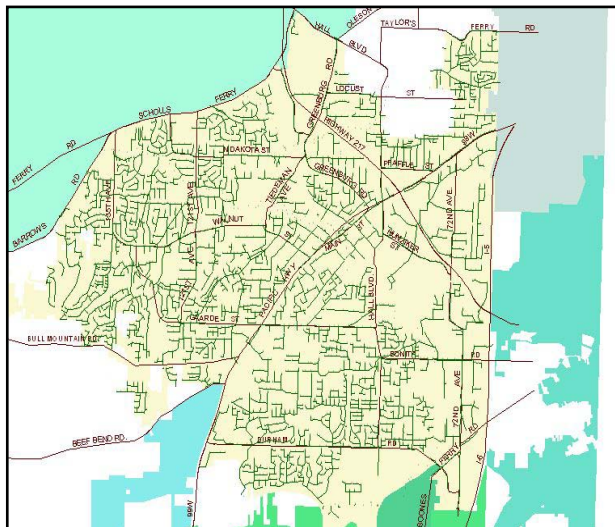
**Project Description**

The Citywide Sewer Extension Program is a 5-year program, which began in FY 2001-02, to extend sewers to all developed but un-served residential areas Citywide. The City uses the formation of reimbursement districts to construct the sewers. The program has been extended due to the number of districts that can be constructed each fiscal year.

The Commercial Area Sewer Extension Program is also funded from the Sanitary Sewer Fund and offers commercial entities the opportunity to participate in reimbursement districts for extension of sewer service to commercial areas. The current incentive programs for early connection in residential neighborhoods are not offered to the commercial sector. Funding is provided to accommodate potential projects that may surface during the fiscal year from the commercial sector.

**Location:** Various

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Sanitary Sewer \$5,000,000  
**Total Funding Sources** \$5,000,000

**Fiscal Years**

	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
Land/Right-of-Way					
Pre-Design					
Design & Engineering	\$200,000	\$150,000	\$100,000	\$50,000	
Construction	\$1,800,000	\$1,350,000	\$900,000	\$450,000	
<b>Total Costs</b>	<b>\$2,000,000</b>	<b>\$1,500,000</b>	<b>\$1,000,000</b>	<b>\$500,000</b>	

**Project Manager: Vannie Nguyen & Greg Berry,  
Capital Construction & Transportation**



**Project # 307-0612**

**Commercial St. Sanitary Sewer Upgrades  
(Lincoln to Main St.)**

**Project Description**

This project replaces approximately 50 feet of a severe damaged pipe on Commercial Street between Lincoln and Main Street that has caused frequent infiltration. This project will be designed and constructed in coordination with the Commercial Street Improvements project between Lincoln and Main Street.

**Location:** Between Lincoln & Main St.

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Sanitary Sewer	<u>\$20,000</u>
<b>Total Funding Sources</b>	<b><u>\$20,000</u></b>

**Fiscal Years**

**2007-2008    2008-2009    2009-2010    2010-2011    2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction                      \$20,000

**Total Costs                      \$20,000**

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**

**Project # 309-0625**      **Highway 217 Sanitary Sewer Upgrade**

**Project Description**

There is an existing 8-inch sanitary sewer line that carries flow from the area near the intersection of 72nd Avenue/Hampton Street westerly toward Highway 217, then north along Highway 217 to a point where the line increases in size and crosses under the freeway. The 8-inch section shows signs of reaching capacity and with further development taking place in the Tigard Triangle, the City anticipates a need to upsize this section to at least 12 inches.

The City is working with Clean Water Services (CWS) toward a Sanitary Sewer Master Plan that will analyze these kinds of issues throughout the City. Staff anticipates the Master Plan will confirm that the line should be upsized, and estimates this large project will be designed and constructed in FY 09/10.

The length of sewer line to replace is approximately 2,250 feet. Methods of replacement will need to be reviewed during the design phase, but could include in-place pipe bursting.

**Location:** 72<sup>nd</sup> Ave./Hampton West toward Hwy 217      **Status:** Proposed FY 2009-10  
Funded



**Funding Sources:**  
Sanitary Sewer                      \$500,000  
**Total Funding Sources**            \$500,000

**Fiscal Years**

**2007-2008    2008-2009    2009-2010    2010-2011    2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering    \$75,000

Construction    \$425,000

**Total Costs**    **\$500,000**

**Project Manager:** Vannie Nguyen & Brian Rager,  
Capital Construction & Transportation/  
Public Works

**Project # 310-0626**      **Hunziker Sanitary Sewer Upgrade**

**Project Description**

This project will upgrade the existing sanitary sewer line that is expected to be over capacity due to the additional development planned for the Tigard Triangle.

**Location:** 7920 to 8001 Hunziker St.

**Status:** Proposed FY 2010-11  
Funded



**Funding Sources:**

Sanitary Sewer	<u>\$500,000</u>
<b>Total Funding Sources</b>	<b><u>\$500,000</u></b>

	<b>Fiscal Years</b>				
	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way					
Pre-Design					
Design & Engineering					
Construction				\$500,000	
<b>Total Costs</b>				<b>\$500,000</b>	

**Project Manager:** Dennis Koellermeier, Public Works

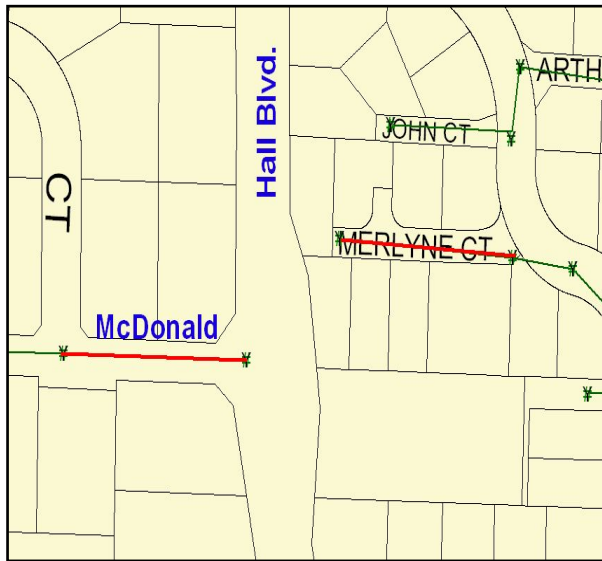
**Project # 307-0769      McDonald St. at Hall Blvd. Sanitary Sewer Connection**

**Project Description**

This project connects a previously built but unconnected sanitary sewer on McDonald Street to the existing sanitary sewer system located on Merlyne Ct. This project includes installation of 230 feet of 8-inch sewer main and 5 manholes. The project will be constructed concurrently with the 87th Avenue Citywide Sanitary Sewer Extension District scheduled to be completed in the summer of 2007.

**Location:** McDonald & Hall Blvd.

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Sanitary Sewer	<u>\$140,000</u>
<b>Total Funding Sources</b>	<b><u>\$140,000</u></b>

**Fiscal Years**

**2007-2008    2008-2009    2009-2010    2010-2011    2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction                      \$140,000

**Total Costs                      \$140,000**

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**

**Project # 307-0768**

**Red Rock Creek Sanitary Sewer Repair**

**Project Description**

Red Rock Creek has eroded away the soil and base rock from a sanitary sewer manhole and approximately 20 feet of the 8-inch main just downstream of the manhole. The manhole and pipe are at risk of collapse due to this erosion problem. Preliminary design for the project, located behind the property at 6900 SW Atlanta Street, has been completed. Funding provided is for the construction scheduled for the summer of 2007.

**Location:** 6900 SW Atlanta St.

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Sanitary Sewer	<u>\$100,000</u>
<b>Total Funding Sources</b>	<b><u>\$100,000</u></b>

**Fiscal Years**

**2007-2008   2008-2009   2009-2010   2010-2011   2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction                    \$100,000

**Total Costs                    \$100,000**

**Project Manager: Greg Berry, Capital Construction & Transportation**



**Project # 307-0228**

**Sanitary Sewer Major Maintenance Program**

**Project Description**

The Sanitary Sewer Fund will be used to contract out sewer repair projects that are beyond the repair capabilities of the City's Public Works Department. This program is intended to be a continuing program of preventative maintenance. This program will avoid restoration costs that could be several times higher. The Sanitary Sewer Major Maintenance Program will include sewer repair projects located at various locations in the City.

**Location:** Various

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Sanitary Sewer	<u>\$500,000</u>
<b>Total Funding Sources</b>	<b><u>\$500,000</u></b>

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way					
Pre-Design					
Design & Engineering					
Construction	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
<b>Total Costs</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**



**Project # 306-0605**

**Sanitary Sewer Master Plan**

**Project Description**

Sanitary sewers in some areas receive an excessive amount of storm water through unauthorized connections or deteriorated lines. The storm water causes overloading of sewers and increases the cost of operating the treatment plant. The proposed project provides funding to analyze and identify the sources of the storm water entering the sewers and prepare a plan to reduce the sources.

The project also identifies lines of inadequate capacity by conducting flow monitoring of existing lines to determine the extent of the capacity deficiency. A prioritized list of capacity improvement projects will be prepared as part of this project.

**Location:** Various

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**  
Sanitary Sewer \$70,000  
**Total Funding Sources** \$70,000

**Fiscal Years**

**2007-2008   2008-2009   2009-2010   2010-2011   2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering    \$70,000

Construction

**Total Costs**                **\$70,000**

**Project Manager:** Gus Duenas, Capital Construction & Transportation

**Project # 407-0765**

**72<sup>nd</sup> Ave. / Dartmouth St. Culvert Replacement**

**Project Description**

The project upgrades an existing culvert located at the 72nd Avenue/Dartmouth Street intersection to provide additional culvert capacity to relieve flooding. Implementation of the project also addresses the culvert replacement goal of the Healthy Streams Plan initiated by Clean Water Services. The design for the upgrade will be combined with the 72nd/Dartmouth Intersection design already budgeted.

**Location:** 72<sup>nd</sup> Ave. & Dartmouth St.

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Water Quality / Quantity      \$20,000  
**Total Funding Sources**      **\$20,000**

**Fiscal Years**

**2007-2008    2008-2009    2009-2010    2010-2011    2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering      \$20,000

Construction

**Total Costs**                      **\$20,000**

**Project Manager: Vannie Nguyen & Carla Staedter,  
Capital Construction & Transportation /  
Public Works**

**Project # 407-0837**

**Commercial St. Regional Detention Facility**

**Project Description**

This project constructs a regional storm water detention facility that would treat approximately 40 acres of storm water in and around the downtown Tigard area. Project design and permitting are scheduled to be completed in FY 2006-07. The construction of the facility will be combined with the Commercial Street improvements. The project will accomplish the outfall retrofit goal of the Healthy Streams Plan initiated by Clean Water Services.

**Location:** Commercial St.

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Water Quality / Quantity      \$150,000  
**Total Funding Sources      \$150,000**

**Fiscal Years**

**2007-2008    2008-2009    2009-2010    2010-2011    2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction                      \$150,000

**Total Costs                      \$150,000**

**Project Manager: Vannie Nguyen & Carla Staedter,  
Capital Construction & Transportation /  
Public Works**

**Project # 409-0669**

**Community Tree Planting**

**Project Description**

The City of Tigard will plant native trees and shrubs along creeks and streams in the city to meet the "Community Tree Planting" goals identified in the Healthy Streams Plan.

**Location:** TBD

**Status:** Proposed FY 2009-10  
Funded



**Funding Sources:**

Water Quality / Quantity	<u>\$150,000</u>
<b>Total Funding Sources</b>	<b><u>\$150,000</u></b>

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way					
Pre-Design					
Design & Engineering					
Construction			\$50,000	\$50,000	\$50,000
<b>Total Costs</b>			<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>

**Project Manager:** Carla Staedter, Public Works



**Project #409-0670**

**Culvert Replacement**

**Project Description**

Modify Culvert (11975 SW Rose Vista Dr.) – The stream bank is eroded at this location due to high flows from culvert. This project will modify the downstream end of culvert that crosses underneath SW Gaarde to eliminate future erosion of stream bank and repair existing stream bank. This project will accomplish the outfall retrofit goal identified in Clean Water Services Healthy Streams Plan which requires the replacement of 3 culverts per year. The City has agreed to the replacement of 1 culvert per year based on funding availability.

**Location:** 11975 SW Rose Vista Dr.

**Status:** Proposed FY 2009-10  
Funded



**Funding Sources:**  
Water Quality / Quantity \$450,000  
**Total Funding Sources** \$450,000

**Fiscal Years**

	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
Land/Right-of-Way					
Pre-Design					
Design & Engineering			\$125,000		
Construction				\$325,000	
<b>Total Costs</b>			<b>\$125,000</b>	<b>\$325,000</b>	

**Project Manager:** Vannie Nguyen & Carla Staedter,  
Capital Construction & Transportation /  
Public Works

**Project # 407-0555 Derry Dell Creek Culvert Improvements (Fanno Cr. & Walnut St.)**

**Project Description**

This project will complete design and permitting to upgrade the existing Derry Dell Creek culverts under Walnut Street and at Fanno Creek that was initiated in FY 06/07. The existing culverts will be replaced to increase capacity, provide fish passage, and address flooding and maintenance issues. The project will also accomplish the culvert replacement goal identified in Clean Water Services Healthy Streams Plan.

**Location:** Fanno Creek & Walnut St.

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**  
Water Quality / Quantity      \$400,000  
**Total Funding Sources**      \$400,000

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way					
Pre-Design					
Design & Engineering	\$50,000				
Construction		\$350,000			
<b>Total Costs</b>	<b>\$50,000</b>	<b>\$350,000</b>			

**Project Manager:** Vannie Nguyen & Carla Staedter,  
Capital Construction & Transportation /  
Public Works



**Project # 407-0677**

**Derry Dell Creek Tree Planting**

**Project Description**

This project includes site preparation and installation of 4,000 native trees and shrubs on 1.9 acres of riparian corridor. The sites are located upstream of Eden Court and downstream of 118th Court. The project will meet a “Community Tree Planting” goal identified in the Healthy Streams Plan.

**Location:** TBD

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**  
Water Quality / Quantity      \$25,000  
**Total Funding Sources**      **\$25,000**

**Fiscal Years**

**2007-2008    2008-2009    2009-2010    2010-2011    2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction                      \$25,000

**Total Costs                      \$25,000**

**Project Manager: Carla Staedter, Public Works**

**Project # 407-0749     Durham Rd. Stream Bank Stabilization (at 108<sup>th</sup> Ave.)**

**Project Description**

The creek bank and a portion of the segmental-block retaining wall south of Durham Road have been eroded and undermined due to high stream flow out falling from a 36-inch culvert under the street. The contributing factors to the problems are a large boulder, which was placed in the middle of the stream, and the culvert alignment, which does not line up with the creek. The original scope of work proposed in FY 2006-07, which included restoration of a portion of the retaining wall and extension of the culvert for proper alignment with the creek, has been revised to add bank stabilization.

Necessary easements have been obtained for the construction. Environmental permits and final design are scheduled to be completed in FY 2006-07. The fund will be used to construct the project, which is scheduled for the in-water work window of July 1 to September 30, 2007.

**Location:** Durham Rd. & 108<sup>th</sup> Ave.

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Storm Water	<u>\$150,000</u>
<b>Total Funding Sources</b>	<b><u>\$150,000</u></b>

**Fiscal Years**

**2007-2008    2008-2009    2009-2010    2010-2011    2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction                    \$150,000

**Total Costs                    \$150,000**

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**

**Project # 407-0766**

**Hiteon Creek Riparian Enhancement – Phase II**

**Project Description**

This project constructs riparian enhancement features, including modifications of riparian buffer areas, to promote the treatment of high flows. It also includes removal of culverts and repair of the stream channel associated with an asphalt pedestrian path. In FY 2006-07 permitting was completed for the project. The proposed funding is to complete construction of the project. The project will accomplish culvert replacement, outfall retrofit, and community tree planting goals identified in Clean Water Services Healthy Streams Plan.

**Location:**

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Water Quality / Quantity      80,000  
**Total Funding Sources**      **80,000**

**Fiscal Years**

**2007-2008   2008-2009   2009-2010   2010-2011   2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction                      \$80,000

**Total Costs                      \$80,000**

**Project Manager: Carla Staedter, Public Works**

**Project # 407-0796**

**Riparian Restoration and Enhancement**

**Project Description**

This fund will be available for urban forestry projects within riparian corridors. The fund will also support any supplemental planting or site work needed in the event of an unforeseen failure to past riparian restoration projects.

**Location:** TBD

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Water Quality / Quantity      \$70,000  
**Total Funding Sources**      **\$70,000**

**Fiscal Years**

	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
Land/Right-of-Way					
Pre-Design					
Design & Engineering					
Construction	\$10,000	\$10,000	\$10,000	\$10,000	\$30,000
<b>Total Costs</b>	<b>\$10,000</b>	<b>\$10,000</b>	<b>\$10,000</b>	<b>\$10,000</b>	<b>\$30,000</b>

**Project Manager:** Carla Staedter, Public Works



**Project # 408-0646**

**Stormwater Outfall Retrofits**

**Project Description**

The funding will be used to conduct a geotechnical study to determine the recommended repair method for each outfall retrofit project and to perform the repairs. The retrofits will be established as an annual program to address the outfall retrofit goals identified in Clean Water Services Healthy Streams Plan.

One project that has been identified for implementation is the outfall from Water Quality Facility #058 (12435 SW Hollow Ln.) – The outfall has a severely incised/eroded stream bank at this location. Other projects will be prioritized and selected each year (the number of projects dependent upon funding available annually) from the list identified by the Healthy Streams Plan.

**Location:** 12435 SW Hollow Ln.

**Status:** Proposed FY 2008-09  
Funded



**Funding Sources:**

Water Quality / Quantity      \$420,000  
**Total Funding Sources**      **\$420,000**

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way					
Pre-Design		\$75,000			
Design & Engineering		\$75,000			
Construction			\$90,000	\$90,000	\$90,000
<b>Total Costs</b>		<b>\$150,000</b>	<b>\$90,000</b>	<b>\$90,000</b>	<b>\$90,000</b>

**Project Manager: Brian Rager, Public Works**

**Project # 407-0762**

**Water Quality Enhancement**

**Project Description**

The projects under this program are focused on systematically upgrading existing water quality facilities that have deteriorated over the years. The funding will be from the non-SDC portion of the Water Quality/Quantity Fund. The amount allocated for each fiscal year should be able to address one or more projects annually. Some of the projects that have been identified for implementation during the 5-year plan period are as follows:

Water Quality Facility #030 (SW Steve St.) – This unnamed tributary to Ash Creek at this location is severely incised and threatening abutting properties. The project installs 150 feet of pipe in the most severely eroded areas and improves remaining area by re-grading and replanting as a storm water quality swale. Necessary permits and final design are scheduled to be completed in FY 2006-07. Construction of the project will occur between July and October to meet the in-water work window requirement.

Water Quality Facility #012 (8865 SW Greensward) – This pilot project will install storm water infiltration system, fill and re-grade in preparation for neighborhood pocket park to be installed as funding allows. This project is expected to begin construction in FY 2008-09.

Water Quality Facility #007 (NW corner of intersection SW Walnut & 135th Ave) – Enhance aesthetics of water quality facility and improve storm water treatment by installing irrigation and, native plants & shrubs. This project is expected to begin construction in FY 2009-10.

**Location:** SW Steve St., SW Greensward,  
SW Walnut & 135<sup>th</sup>

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Water Quality / Quantity      \$125,000  
**Total Funding Sources**      **\$125,000**

**Fiscal Years**

**2007-2008    2008-2009    2009-2010    2010-2011    2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction                      \$25,000      \$25,000      \$25,000      \$25,000      \$25,000

**Total Costs                      \$25,000      \$25,000      \$25,000      \$25,000      \$25,000**

**Project Manager: Brian Rager, Public Works**



**Project # 407-0759**

**Derry Dell Creek Slope Stabilization (at 118<sup>th</sup> Ct.)**

**Project Description**

In September 2006, the City discovered slope erosion and bank stability-related issues occurring at two locations in the vicinity of Derry Dell Creek and 118th Avenue. A geotechnical study has been conducted to determine reasons for the erosion and recommend slope stabilization techniques that would help keeping the slope from continuing to erode. Secured plastic sheeting has been placed at one location that appeared to be potentially unstable in December 2006. The funding provided is utilized for final design and repair of the problem at this location. Mitigation of the erosion at the second location is proposed for FY 2008-09.

**Location:** 118<sup>th</sup> Ct.

**Status:** Proposed FY 2007-08  
Partially Funded



**Funding Sources:**

Storm Water	\$100,000
Unfunded Portion	\$100,000
<b>Total Funding Sources</b>	<b>\$200,000</b>

**Fiscal Years**

**2007-2008    2008-2009    2009-2010    2010-2011    2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering    \$20,000    \$20,000

Construction    \$80,000    \$80,000

**Total Costs    \$100,000    \$100,000**

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**

**Project # 407-0248**

**Storm Drainage Major Maintenance Program**

**Project Description**

This yearly program addresses minor storm drainage problems requiring more than normal maintenance effort by the City's Public Works department. The Storm Drainage Major Maintenance Program includes projects located at various locations in the City.

**Location:** Various

**Status:** Proposed FY 2007-08  
Partially Funded



**Funding Sources:**

Storm Water	<u>\$250,000</u>
<b>Total Funding Sources</b>	<b><u>\$250,000</u></b>

	<b>Fiscal Years</b>				
	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way					
Pre-Design					
Design & Engineering	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000
Construction	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000
<b>Total Costs</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**

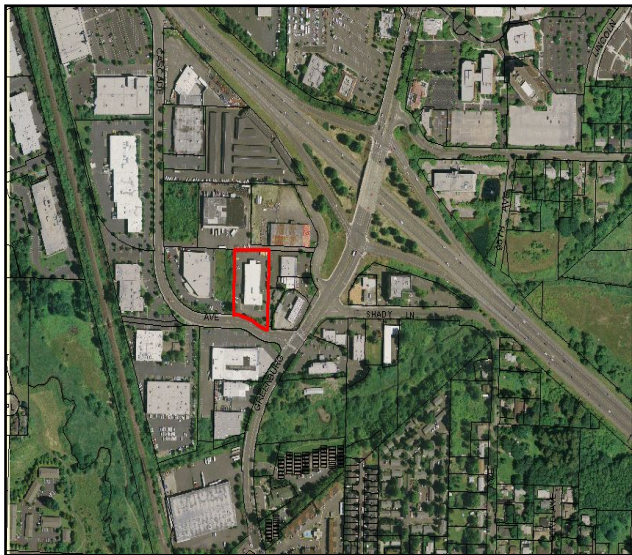
**Project # 407-0618      Cascade Ave. Storm Drain Overflow**

**Project Description**

The project constructs 375 feet of overflow storm pipe to eliminate localized flooding in the area surrounding 10840 SW Cascade Ave.

**Location:** 10840 SW Cascade Ave.

**Status:** Proposed FY 2008-09  
Unfunded



**Funding Sources:**

Storm Water	<u>\$100,000</u>
<b>Total Funding Sources</b>	<b><u>\$100,000</u></b>

**Fiscal Years**

**2007-2008    2008-2009    2009-2010    2010-2011    2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction	\$100,000
--------------	-----------

<b>Total Costs</b>	<b>\$100,000</b>
--------------------	------------------

**Project Manager: Brian Rager, Public Works**

**Project # 408-0854      Greens Way Storm Drainage Improvements**

**Project Description**

This project installs approximately 900 feet of Polyvinyl Chloride (PVC) pipe, five manholes and seven catch basins between Highland and Summerfield Drive. The existing aluminized steel pipe has been gradually corroded, which has resulted in increased maintenance costs. The existing pipe will be abandoned in place to avoid extensive roadway excavation, which will help to protect the structure integrity of the street. The new pipe is expected to have a longer service life and adequate capacity to serve the neighborhood.

**Location:** Highland & Summerfield Dr.

**Status:** Proposed FY 2008-09  
Unfunded



**Funding Sources:**

Storm Water	<u>\$125,000</u>
<b>Total Funding Sources</b>	<b><u>\$125,000</u></b>

**Fiscal Years**

2007-2008    2008-2009    2009-2010    2010-2011    2011-2012

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction                                  \$125,000

**Total Costs                                    \$125,000**

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**

**Project # 507-0740**

**121<sup>st</sup> Ave. Crosswalk Improvements**

**Project Description**

In FY 1999-2000, the City started a pilot program to install embedded crosswalk lighting systems at various locations in the City. The first system was installed on 121st Ave at Katherine/Lynn Street, followed by two additional systems on Walnut Street (at Grant Ave) and Main Street (at the bridge). The lighted crosswalk on 121st Ave (at Springwood Drive) was installed in October 2001. The most recent crosswalk lighting system was constructed on Bonita Road (at Milton Court) in October 2002. All lighting systems, except the ones on 121st Avenue, have performed properly in protecting pedestrians from on-coming traffic while crossing the streets. The light fixtures that are recessed below the pavement surface on 121st Avenue at Springwood Drive and Katherine/Lynn Street require frequent replacement. In addition, the road surface needs to be continually cleaned in order for the lamps to project beam that is clearly visible in daylight and under the worst weather conditions. Maintenance of the light fixtures has been difficult, replacement parts have not been readily available, and continued maintenance of the existing lighting system is not cost effective. This project provides funding to remove or modify the crosswalk lights on 121st Avenue at the two locations and replace them with a more efficient traffic lighting system that minimizes maintenance costs while enhancing safe crossings for pedestrians.

**Location:** Springwood Dr. & Katherine St.

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Gas Tax \$200,000  
**Total Funding Sources** **\$200,000**

**Fiscal Years**

**2007-2008   2008-2009   2009-2010   2010-2011   2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering     \$30,000

Construction                 \$170,000

**Total Costs                     \$200,000**

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**



**Project # 507-0742      Bull Mountain Rd. at Hwy 99W Right-Turn Lane**  
**Widening**

**Project Description**

This project widens the right-turn lane on Bull Mountain Road at Highway 99W. The current eastbound lane from Bull Mountain Road to southbound Highway 99W is not wide enough to accommodate truck turning movements and other large-sized vehicles. In addition, the turning radius is substandard, which makes it difficult for vehicles to stay within the lane while maintaining the traveling speeds. The outfall of the storm drain pipe that runs underneath the road is also broken off and is in need of repair. This project provides funding to relocate an existing planter strip to provide space for widening of the right-turn lane and repair the existing storm drain outfall. It also enlarges the curb return radius for safe turning movements.

Location of the improvements is under the jurisdiction of the Oregon Department of Transportation (ODOT). Design review and approval from ODOT are required prior to construction. Construction management and inspection will be performed by Washington County identified in an Intergovernmental Agreement between the County and the City, which is under progress. The funding provided is for completion of the project, which is expected to begin in late FY 2006-07.

**Location:** Bull Mountain Rd. & Hwy 99W

**Status:** Proposed FY 2007-08  
 Funded



**Funding Sources:**

Traffic Impact Fees – Urban Services \$240,000  
**Total Funding Sources                      \$240,000**

**Fiscal Years**

**2007-2008    2008-2009    2009-2010    2010-2011    2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction                      \$240,000

**Total Costs                      \$240,000**

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**

**Project # 506-0729**

**Durham Rd. / 108<sup>th</sup> Ave. Signalization**

**Project Description**

This project was funded in FY 2006-07 for installation of a traffic signal at the Durham Road/108th Avenue intersection. Traffic volumes on Durham Road have steadily increased since the mid 80's and will continue to increase as the street provides a direct connection between two state highways, Highway 99W and Hall Boulevard. Due to the increase in traffic volumes on Durham Road, traffic attempting to turn left from 108th Avenue onto the street experiences excessive delay. The problem has become worse as the residential developments along 108th Avenue are completed and generate impacts on the operations of traffic movements at this intersection. A traffic analysis conducted in March 2005 indicates installation of a traffic control signal on or about 2006 will enhance traffic safety at the intersection.

The design of the signal is scheduled to be completed in FY 2006-07. Funding provided for this project is for the construction of the signal, including necessary roadway improvements, to provide safe and controlled turning movements for traffic at the intersection.

**Location:** Durham Rd. & 108<sup>th</sup> Ave.

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Traffic Impact Fee	<u>\$200,000</u>
<b>Total Funding Sources</b>	<b><u>\$200,000</u></b>

**Fiscal Years**

**2007-2008   2008-2009   2009-2010   2010-2011   2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction                    \$200,000

**Total Costs                    \$200,000**

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**

**Project #507-0859 Greenburg Rd./Highway 99W/Main St. Intersection Improvements**

**Project Description**

The existing intersection of Highway 99W with Greenburg Road and Main Street and the Highway 99W intersection with Hall Boulevard are the most highly-congested intersections in the City. Capacity improvements to the Highway 99W/Hall Boulevard intersection are funded through Washington County’s MSTIP 3 program and the project is in the design stage for construction sometime in 2008. The improvements to the Hall Boulevard/Highway 99W intersection will not be fully effective in improving circulation and relieving traffic congestion as long as the bottleneck at the Greenburg Road intersection remains. A corresponding improvement to the Greenburg Road intersection is needed to complement the Hall/99W project and improve traffic circulation across and along Highway 99W north of the viaduct to the Highway 217 interchange. The specific capacity improvements will include:

- Separating the through and left-turn movements by adding dedicated left-turn lanes on Greenburg Road and Main Street,
- Providing dedicated through movements across the intersection from both side streets and retain the dedicated right-turn lanes on both streets and,
- Constructing an additional eastbound through lane on Highway 99W from the viaduct east through the intersection to connect to the new eastbound through lane planned for the Highway 99W/Hall Boulevard intersection.

**Location:** Greenburg Rd./Hwy 99W/Main St.

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

City Gas Tax	<u>\$4,600,000</u>
<b>Total Funding Sources</b>	<b><u>\$4,600,000</u></b>

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way		\$1,000,000			
Pre-Design					
Design & Engineering	\$500,000				
Construction		\$150,000	\$975,000	\$975,000	\$1,000,000
<b>Total Costs</b>	<b>\$500,000</b>	<b>\$1,150,000</b>	<b>\$975,000</b>	<b>\$975,000</b>	<b>\$1,000,000</b>

**Project Manager: Gus Duenas, Capital Construction & Transportation**

**Project # 507-0533      Hall Blvd. Half Street Improvements**

**Project Description**

Hall Blvd is a state-owned highway and is classified as arterial, which consists of five travel lanes with bike lanes and sidewalks on both sides. This project widens Hall Blvd on the east side of the street from the existing Fanno Creek Bridge to approximately 450 feet north. The current northbound travel lane, which is less than 12 feet, will be widened to 12 feet. The narrow roadway shoulder will be widened to provide space for a 6-foot bike lane. The new sidewalk will be placed at the ultimate location where it can be retained for future street improvements. Mitigation of the storm water generated by the additional impervious area will also be addressed in the design. The existing bridge will not be widened as part of this project.

**Location:** Fanno Creek to 450 ft. North

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Traffic Impact Fee	<u>\$160,000</u>
<b>Total Funding Sources</b>	<b><u>\$160,000</u></b>

**Fiscal Years**

	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
Land/Right-of-Way					
Pre-Design	\$10,000				
Design & Engineering					
Construction	\$150,000				
<b>Total Costs</b>	<b>\$160,000</b>				

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**

**Project # 507-0399 Hall Blvd. - Wall St. Intersection Extension Phase 2**

**Project Description**

This project constructs a common access to Hall Boulevard for the Library and the Fanno Pointe Condominiums as required by the Oregon Department of Transportation (ODOT). To ensure the project is constructed expeditiously for safe crossings at the entrance to the Library, the City divided the project in two phases: Phase 1 is the installation of a traffic signal at the entrance to the Library, which was completed in December 2005. Phase 2 is the construction of approximately 360 feet of the common access, which has the same alignment with the proposed Wall Street, connecting Hall Boulevard to Hunziker Street.

The Library parking lot expansion, which is located immediately north of the access, will be constructed concurrently with the project to minimize traffic impacts to library patrons. Both projects were first advertised for bids in June 2006. However, due to the single bid submitted at the bid opening that was substantially higher than that expected for the scope of work, the City rejected the bid. Both projects will be re-bid in the spring of 2007.

**Location:** Hall Blvd. & Wall St.

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Traffic Impact Fees	<u>\$1,200,000</u>
<b>Total Funding Sources</b>	<b><u>\$1,200,000</u></b>

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
--	------------------	------------------	------------------	------------------	------------------

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction	\$1,200,000
--------------	-------------

<b>Total Costs</b>	<b>\$1,200,000</b>
--------------------	--------------------

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**



**Project # 507-0781**      **McDonald St. Traffic Median (at Highway 99W)**

**Project Description**

In 2005, the City improved McDonald Street at the intersection with Highway 99W to add capacity and to enhance traffic flow at the intersection. The improvements provided a dedicated westbound right-turn lane onto the state highway and lengthened the stacking capacity for the left-turn on McDonald Street. New sidewalks were also constructed and storm pipes were installed to replace an existing drainage ditch that was under-capacity. As a result, McDonald Street at Highway 99W has a dedicated left-turn lane, a through lane in each direction, and a westbound right-turn lane. Because the intersection approach on McDonald Street to Highway 99w has been widened, left-turn movements to and from the street to driveways near the intersection are hazardous, causing significant delays to through traffic, and are currently impairing the orderly flow of traffic movements at the intersection. A raised median is needed to eliminate the left turns and improve traffic flow at the intersection.

This project installs a raised traffic median on McDonald Street to eliminate left turns that are causing traffic flow disruptions at, or on the approach to, the Highway 99W intersection. The installation may include guideposts, raised concrete curbs, buttons and other traffic devices.

**Location:** McDonald St. at Hwy 99W

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Traffic Impact Fee	<u>\$40,000</u>
<b>Total Funding Sources</b>	<b><u>\$40,000</u></b>

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
--	------------------	------------------	------------------	------------------	------------------

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction	\$40,000
--------------	----------

<b>Total Costs</b>	<b>\$40,000</b>
--------------------	-----------------

**Project Manager:** Vannie Nguyen, Capital Construction & Transportation

**Project # 507-0852      Upper Boones Ferry Road Traffic Signal Interconnection Upgrade (at Sequoia Parkway)**

**Project Description**

This project upgrades the traffic signal connection at the intersection of Upper Boones Ferry Road and Sequoia Parkway to improve rail crossing safety and comply with ODOT's Traffic Signal guidelines. The upgraded signal interconnection will provide train pre-emption of traffic signal phases to permit vehicular traffic to clear the tracks before a train enters the crossing. In order to complete the alteration, the City has agreed to upgrade the traffic signal connection while Portland & Western Railroad will upgrade the existing train detection equipment circuitry. All work performed by the City will be reimbursed by ODOT.

**Location:** Upper Boones Ferry & Sequoia Parkway

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Gas Tax	<u>\$20,000</u>
<b>Total Funding Sources</b>	<b><u>\$20,000</u></b>

**Fiscal Years**

**2007-2008    2008-2009    2009-2010    2010-2011    2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering      \$5,000

Construction                      \$15,000

**Total Costs                      \$20,000**

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**

**Project # 508-0828    72<sup>nd</sup> Ave. Improvements (Dartmouth St. to Hwy 99W)**

**Project Description**

The vertical alignment of 72nd Avenue between Dartmouth Street and Highway 99W requires corrections to meet sight distance standards. In addition, the street is narrow and the pavement surface is in poor condition. This project widens the street, corrects the vertical sight distance, upgrades the existing storm drain, extends the sanitary sewer, and undergrounds the existing utilities to provide a three-lane roadway section with bike lanes and sidewalks both sides. Rights-of-way will be obtained as part of the project for the ultimate street cross section of five lanes.

**Location:** 72<sup>nd</sup> Ave. between Dartmouth St. & Hwy 99W      **Status:** Proposed FY 2009-10  
Partially Funded



**Funding Sources:**

Traffic Impact Fee	\$1,652,000
Unfunded Portion	<u>\$1,048,000</u>
<b>Total Funding Sources</b>	<b><u>\$2,700,000</u></b>

	<b>Fiscal Years</b>				
	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way			\$800,000		
Pre-Design					
Design & Engineering			\$400,000		
Construction				\$452,000	\$1,048,000
<b>Total Costs</b>			<b>\$1,200,000</b>	<b>\$452,000</b>	<b>\$1,048,000</b>

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**

**Project # 503-0017 Pavement Major Maintenance Program (PMMP)**

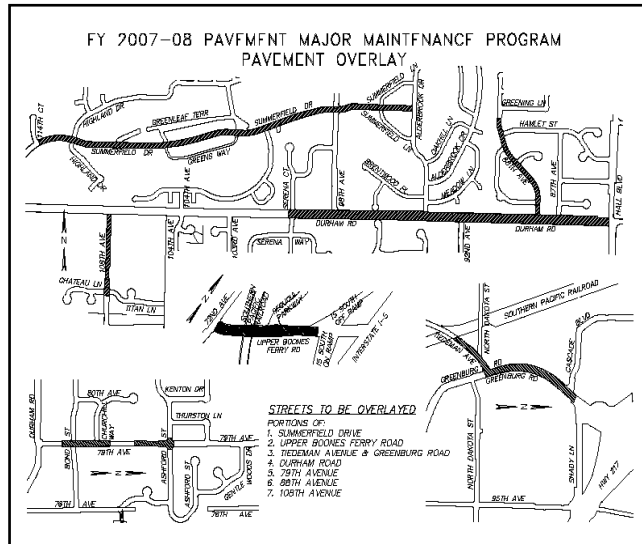
**Project Description**

The City has been active in implementing the yearly Pavement Major Maintenance Program of corrective and preventative maintenance on streets in Tigard. The program, which includes rehabilitation alternatives, performs the following: 1) restores the wearing course and thereby protects the pavement's structural integrity, 2) reconstructs the structural section on those streets that require total replacement of structural section, 3) improves ride ability, and 4) enhances traffic safety. Through this program, the City is able to perform timely maintenance on City streets to avoid the much more costly reconstruction costs that result when streets are allowed to significantly deteriorate. Streets scheduled to be included in this year's program are at various locations throughout the City.

The number of streets proposed to be rehabilitated is subject to change depending upon actual bid proposals received. The streets to be rehabilitated will be selected to conform to the funding availability. Those that need rehabilitation but cannot be performed in the current fiscal year will be moved to the next fiscal year. The Gas Tax fund will provide funding for improvements of the areas outside the existing edges of pavement if needed. Rehabilitation of the streets, including reconstruction if necessary within the existing edges of pavement will be funded through the Street Maintenance Fee Fund.

**Location:** Various

**Status:** Proposed FY 2007-08  
Partially Funded



**Funding Sources:**

Street Maintenance Fee	\$3,630,000
Gas Tax	\$ 750,000
<b>Total Funding Sources</b>	<b><u>\$4,380,000</u></b>

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way					
Pre-Design					
Design & Engineering					
Construction	\$950,000	\$900,000	\$850,000	\$840,000	\$840,000
<b>Total Costs</b>	<b>\$950,000</b>	<b>\$900,000</b>	<b>\$850,000</b>	<b>\$840,000</b>	<b>\$840,000</b>

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**

**Project # 508-0825      121<sup>st</sup> St. Improvements (Walnut to North Dakota St.)**

**Project Description**

This project widens 121st Avenue between Walnut and North Dakota Street to a three-lane roadway with bike lanes and sidewalks on both sides. Planter strips are also installed wherever feasible. Water, storm drainage, and sanitary sewer improvements and utility under-grounding are also included in the project. Replacement of the existing bridge on this street will be done under a separate project as costs associated with the replacement may be substantial and could possibly be funded through different funding sources (i.e. federal grants).

**Location:** Between Walnut & North Dakota

**Status:** Proposed FY 2008-09  
Unfunded



**Funding Sources:**

Gas Tax	<u>\$3,100,000</u>
<b>Total Funding Sources</b>	<b><u>\$3,100,000</u></b>

	<b>Fiscal Years</b>				
	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way			\$500,000	\$300,000	
Pre-Design					
Design & Engineering		\$300,000			
Construction					\$2,000,000
<b>Total Costs</b>		<b>\$300,000</b>	<b>\$500,000</b>	<b>\$300,000</b>	<b>\$2,000,000</b>

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**



**Project # 509-0800      121<sup>st</sup> Ave. Improvements (Whistler to Tippitt St.)**

**Project Description**

The design for the project, which began in FY 2001-02, consists of roadway, storm drainage, water, streetlight improvements and utility underground. The design was completed in FY 2003-04 and partial right-of-way has been acquired from two properties. Remaining rights-of-way are programmed for FY 2009-10 and the construction is scheduled to begin in FY 2010-11. Upon completion of the construction, the street will have a paved width of 44 feet, which consists of two travel lanes, a center-turn lane and two bike lanes. Sidewalks will also be provided.

**Location:** 121<sup>st</sup> Ave.

**Status:** Proposed FY 2009-10  
Unfunded



**Funding Sources:**

Gas Tax	\$2,500,000
Underground Utility	\$ 150,000
<b>Total Funding Sources</b>	<b><u>\$2,650,000</u></b>

**Fiscal Years**

	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
Land/Right-of-Way			\$500,000		
Pre-Design					
Design & Engineering					
Construction				\$1,150,000	\$1,000,000
<b>Total Costs</b>			<b>\$500,000</b>	<b>\$1,150,000</b>	<b>\$1,000,000</b>

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**

**Project #510-0804      100<sup>th</sup> Ave. Improvements (Sattler to Murdock St.)**

**Project Description**

100th Avenue between Sattler and Murdock Street is approximately 20 feet wide and is drained by deep ditches along the west side of the street. The two travel lanes of 10 feet each take up all street space leaving no area for roadway shoulders. This condition creates a risk for motorists traveling the street especially during night times. The proposed improvements, which include backfilling the ditches for street widening, installing storm drain pipes and curbs, will provide wider travel lanes (up to 12 feet wide) and some spaces on the street for emergency parking if feasible.

**Location:** Between Sattler & Murdock St.

**Status:** Proposed FY 2010-11  
Unfunded



**Funding Sources:**

Gas Tax	<u>\$600,000</u>
<b>Total Funding Sources</b>	<b><u>\$600,000</u></b>

	<b>Fiscal Years</b>				
	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
Land/Right-of-Way				\$150,000	\$300,000
Pre-Design					
Design & Engineering				\$150,000	
Construction					
<b>Total Costs</b>				<b>\$300,000</b>	<b>\$300,000</b>

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**

**Project # 508-0816      92<sup>nd</sup> Ave. Sidewalk (Durham Rd. to Cook Park)**

**Project Description**

This project will rebuild existing street sections and add curbs, drainage facilities and sidewalks adjacent to Cook Park to provide a safe pedestrian travel during the Balloon Festival and other regional activities at Cook Park.

**Location:** Durham Rd. to Cook Park

**Status:** Proposed FY 2008-09  
Unfunded



**Fundin Sources:**

Gas Tax	<u>\$450,000</u>
<b>Total Funding Sources</b>	<b><u>\$450,000</u></b>

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way		\$75,000			
Pre-Design					
Design & Engineering					
Construction		\$375,000			
<b>Total Costs</b>		<b>\$450,000</b>			

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**

**Project # 507-0851      72<sup>nd</sup> Ave. / Dartmouth St. Intersection Signalization**

**Project Description**

The 72nd Avenue/Dartmouth Street intersection is un-signalized. It is configured as an "all-way stop" and is one of the most heavily traveled intersections in Tigard. The multiple lanes on both streets are not conducive to the orderly movement of traffic. Both 72nd Avenue and Dartmouth Street in the vicinity of the intersection are virtually at capacity. The intersection operating conditions are poor and show significant delays in the AM and PM peaks. In addition, the traffic volumes will most likely increase as large vacant properties in the Tigard Triangle are developed. Increased traffic volumes would make the intersection unsafe and even more difficult for orderly movement of traffic.

This project provides funding to complete the design of a traffic signal and necessary roadway improvements to improve the traffic handling capacity of the intersection.

The design was originally budgeted for FY 2006-07 and is scheduled to be completed in the summer of 2007. The design will be used during the Site Development Review process requiring developers to construct the improvements to meet conditional land use approvals.

**Location:** 72<sup>nd</sup> Ave. & Dartmouth St.

**Status:** Proposed FY 2007-08  
Unfunded



**Funding Sources:**

Gas Tax	<u>\$1,600,000</u>
<b>Total Funding Sources</b>	<b><u>\$1,600,000</u></b>

**Fiscal Years**

**2007-2008    2008-2009    2009-2010    2010-2011    2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering    \$250,000    \$1,350,000

Construction

**Total Costs                      \$250,000    \$1,350,000**

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**

**Project # 510-0830      72<sup>nd</sup> Ave. Improvements (Bonita Rd. to Hunziker St.)**

**Project Description**

This project continues the improvements for 72nd Avenue from south of the 72nd Ave/Dartmouth Street intersection to Hunziker Street. The improvements involve street widening, utility underground, storm drainage and sanitary sewer upgrades. One travel lane will be provided in each direction. A center-turn lane will also be added to allow for safe left turn movements. Full-width sidewalks and bike lanes will also be installed as part of the improvements.

**Location:** 72<sup>nd</sup> /Dartmouth to Hunziker

**Status:** Proposed FY 2010-11  
Unfunded



**Funding Sources:**

Traffic Impact Fee	<u>\$1,450,000</u>
<b>Total Funding Sources</b>	<b><u>\$1,450,000</u></b>

**Fiscal Years**

	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
Land/Right-of-Way					\$1,000,000
Pre-Design					
Design & Engineering				\$450,000	
Construction					
<b>Total Costs</b>				<b>\$450,000</b>	<b>\$1,000,000</b>

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**



**Project #509-0829      72<sup>nd</sup> Ave. Improvements (Hunziker to Dartmouth St.)**

**Project Description**

This project widens 72nd Avenue to a three-lane roadway, which includes a center-turn lane and one travel lane in each direction. Sidewalk will be installed at a location where it can be retained for the ultimate improvements for a five-lane roadway section as specified by the Tigard Transportation System plan. Right-of-way acquisition is included in the project.

**Location:** Hunziker to Dartmouth St.

**Status:** Proposed FY 2009-10  
Unfunded



**Funding Sources:**

Traffic Impact Fee	<u>\$4,200,000</u>
<b>Total Funding Sources</b>	<b><u>\$4,200,000</u></b>

	<b>Fiscal Years</b>				
	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way			\$400,000	\$400,000	
Pre-Design					
Design & Engineering			\$400,000		
Construction					\$3,000,000
<b>Total Costs</b>			<b>\$800,000</b>	<b>\$400,000</b>	<b>\$3,000,000</b>

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**

**Project # 507-0721**

**Ash Avenue Extension**

**Project Description**

Ash Avenue is a new street, approximately 400 feet long, to be constructed between Burnham Street and the existing railroad tracks. The new street will provide a second entrance and exit to the proposed Commuter Rail station and parking lot identified in the Downtown Improvement Plan. The project involves the design and construction of a half-street improvement, which consists of a 24-foot paved width and a 14-foot wide sidewalk and landscape area on one side of the street. The street will tie into a modern roundabout at the intersection of Burnham Street and Ash Avenue, which is included in the Burnham Street Improvement project. The design and right-of-way acquisition for Ash Ave is anticipated to be completed in FY 2007-08 and the construction is programmed for FY 2008-09.

**Location:** Burnham St. to Railroad Tracks

**Status:** Proposed FY 2007-08  
Unfunded



**Funding Sources:**

Gas Tax \$700,000  
**Total Funding Sources** **\$700,000**

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way	\$280,000				
Pre-Design					
Design & Engineering	\$20,000				
Construction		\$400,000			
<b>Total Costs</b>	<b>\$300,000</b>	<b>\$400,000</b>			

**Project Manager:** Vannie Nguyen, Capital Construction & Transportation

**Project # 508-0856      Ash Ave. Extension (Fanno Creek to Scoffins St.)**

**Project Description**

A corridor study was completed to determine a feasible alignment for Ash Avenue extension between Fanno Creek and Scoffins Street. This project proposes to design and acquire necessary rights-of-way for future construction of the extension. The design will incorporate improvement concepts developed by the Downtown Comprehensive Streetscape plan.

**Location:** Fanno Creek & Scoffins St.

**Status:** Proposed FY 2008-09  
Unfunded



**Funding Sources:**

Gas Tax	<u>\$1,300,000</u>
<b>Total Funding Sources</b>	<b><u>\$1,300,000</u></b>

**Fiscal Years**

	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
Land/Right-of-Way			\$500,000	\$500,000	
Pre-Design					
Design & Engineering		\$300,000			
Construction					
<b>Total Costs</b>		<b>\$300,000</b>	<b>\$500,000</b>	<b>\$500,000</b>	

**Project Manager:** Gus Duenas, Capital Construction & Transportation

**Project # 507-0847    Collector & Arterial ROW Enhancements**

**Project Description**

This project is an annual effort to retrofit and upgrade landscaping in the collector and arterial rights of way.

**Location:** TBD

**Status:** Proposed FY 2007-08  
Unfunded



**Funding Sources:**  
Gas Tax                                 \$175,000  
**Total Funding Sources**         **\$175,000**

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way					
Pre-Design					
Design & Engineering					
Construction	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000
<b>Total Costs</b>	<b>\$35,000</b>	<b>\$35,000</b>	<b>\$35,000</b>	<b>\$35,000</b>	<b>\$35,000</b>

**Project Manager: Dennis Koellermeier, Public Works**

**Project #508-0827**

**Dartmouth St. Improvements (72<sup>nd</sup> to 68<sup>th</sup> Ave.)**

**Project Description**

This project proposes to reconstruct Dartmouth Street between 72nd and 68th Avenue. The street from east of Highway 99W to 72nd Avenue has been improved by the City and surrounding developments in the past few years. The intersection of Dartmouth Street and 72nd Avenue is under design for installation of a traffic signal at the intersection. This project expands the improvements from east of the intersection to 68th Avenue. The street section after construction will have two travel lanes, one in each direction, a center-turn lane and bike lanes and sidewalks on both sides.

**Location:** 72<sup>nd</sup> to 68<sup>th</sup> Ave.

**Status:** Proposed FY 2009-10  
Unfunded



**Funding Sources:**

Traffic Impact Fee	\$2,800,000
Underground Utility Fund	\$ 150,000
<b>Total Funding Sources</b>	<b><u>\$2,950,000</u></b>

	<b>Fiscal Years</b>				
	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way				\$500,000	
Pre-Design					
Design & Engineering			\$300,000		
Construction				\$150,000	\$2,000,000
<b>Total Costs</b>			<b>\$300,000</b>	<b>\$650,000</b>	<b>\$2,000,000</b>

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**



**Project # 508-0795      Greenburg/Tiedeman/N. Dakota/Tigard St.**

**Project Description**

In FY 2006-07, a traffic improvement study was prepared to assess alternative solutions for improvements of the Greenburg/Tiedeman/North Dakota/Tigard Street intersection configuration. This project provides funding to design, acquire rights-of-way and construct some of the improvements recommended in the study. Improvements may include constructing a new connection from North Dakota to Tigard Street, widening the Tiedeman Avenue and Tigard Street intersection, and closing on of the rail crossings on Tiedeman Avenue and other necessary road realignments.

**Location:** Greenburg/Tiedeman/North Dakota /Tigard Street

**Status:** Proposed FY 2008-09  
Unfunded



**Funding Sources:**

Traffic Impact Fee	<u>\$3,700,000</u>
<b>Total Funding Sources</b>	<b><u>\$3,700,000</u></b>

**Fiscal Years**

	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
Land/Right-of-Way			\$500,000		
Pre-Design					
Design & Engineering		\$200,000			
Construction				\$1,500,000	\$1,500,000
<b>Total Costs</b>		<b>\$200,000</b>	<b>\$500,000</b>	<b>\$1,500,000</b>	<b>\$1,500,000</b>

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**

**Project # 508-0733    Hall Boulevard (at McDonald St.) Right-Turn Lane Widening**

**Project Description**

This project involves the design, acquisition of necessary right-of-way and construction of a southbound right-turn lane on Hall Boulevard at McDonald Street. In addition to the turn-lane, curb and sidewalk will also be installed to improve pedestrian safety and the existing signal timing at the intersection will be modified to improve traffic circulation at the intersection.

**Location:** Hall Blvd. & McDonald St.

**Status:** Proposed FY 2008-09  
Unfunded



**Funding Sources:**  
 Traffic Impact Fee                    \$400,000  
**Total Funding Sources            \$400,000**

	<b>Fiscal Years</b>				
	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
Land/Right-of-Way		\$100,000			
Pre-Design					
Design & Engineering					
Construction			\$300,000		
<b>Total Costs</b>		<b>\$100,000</b>	<b>\$300,000</b>		

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**

**Project # 507-0726      Hall Blvd. Sidewalk (Spruce St. to 850' South)**

**Project Description**

This project is carried over from FY 2006-07. It enhances pedestrian movements along Hall Blvd south of Spruce Street by installing sidewalk on the west side of the street for approximately 850 feet. Hall Boulevard at this location is a narrow two-lane roadway without sidewalks forcing pedestrians to use the existing bike lane and occasionally encroach into the travel lane. The close proximity of existing homes, landscape and limited right-of-way on this state route preclude placement of planter strips at some locations. The project was advertised for bids in June 2006. However, the City did not award a construction contract due to a single high bid received. The project was re-bid in October 2006.

This project has been approved for Community Development Grant (CDBG) in the amount of \$136,725 with local matching funds of \$150,000 coming from the Gas Tax Fund in FY 2006-07. The construction is scheduled to be substantially completed in April 2007. The funding provided is for full completion of the project, which will extend to FY 2007-08 to construct in-stream items between July 1 and September 30, 2007 as required by the Corps of Engineers permit.

**Location:** Hall Blvd. South of Spruce St.  
Unfunded

**Status:** Proposed FY 2007-08



**Funding Sources:**

Gas Tax	<u>\$75,000</u>
<b>Total Funding Sources</b>	<b><u>\$75,000</u></b>

**Fiscal Years**

**2007-2008    2008-2009    2009-2010    2010-2011    2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction                      \$75,000

**Total Costs                      \$75,000**

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**

**Project #510-0805**

**Murdock St. Improvements (103<sup>rd</sup> to 97<sup>th</sup> Ave.)**

**Project Description**

Children walking to Twality Jr. High School and James Templeton School are forced to walk along the edges of Murdock Street as the street is narrow and has no shoulders. The proposed improvements include backfilling existing ditches to provide space for street widening, installing storm drain pipes, and constructing curbs and sidewalks at least on one side of the street. Acquisition of right-of-way may be required for the widening.

**Location:** 103<sup>rd</sup> to 97<sup>th</sup> Ave.

**Status:** Proposed FY 2010-11  
Unfunded



**Funding Sources:**

Gas Tax	<u>\$600,000</u>
<b>Total Funding Sources</b>	<b><u>\$600,000</u></b>

	<b>Fiscal Years</b>				
	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way				\$100,000	
Pre-Design					
Design & Engineering					
Construction				\$100,000	\$400,000
<b>Total Costs</b>				<b>\$200,000</b>	<b>\$400,000</b>

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**

**Project # 509-0801**

**North Dakota St. Pedestrian Bridge**

**Project Description**

The North Dakota Street Bridge is too narrow to safely pass pedestrian and vehicular traffic simultaneously. A feasibility study for installation of a pedestrian bridge was conducted by a bridge consultant in 2005. The study presents an option to build the bridge in two phases: the first phase is to build a separated 8-foot wide pre-cast pre-stressed concrete bridge on the south side of the existing bridge. The second phase is to salvage the bridge and widen it to a full width to be used by pedestrians, bicyclists and vehicular traffic. This project addresses work for the first phase.

**Location:** North Dakota

**Status:** Proposed FY 2009-10  
Unfunded



**Funding Sources:**

Gas Tax	<u>\$400,000</u>
<b>Total Funding Sources</b>	<b><u>\$400,000</u></b>

**Fiscal Years**

	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
Land/Right-of-Way					
Pre-Design					
Design & Engineering			\$150,000		
Construction			\$150,000	\$100,000	
<b>Total Costs</b>			<b>\$300,000</b>	<b>\$100,000</b>	

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**



**Project #510-0824**

**North Dakota Street Improvements  
(Greenburg to 95<sup>th</sup> Ave.)**

**Project Description**

North Dakota Street between Greenburg Road and 95th Avenue is currently unimproved. The existing drainage system is under capacity and a major portion of the street is narrow and does not have curb and sidewalk. Improvements of the street will be in accordance with the design standards required for a Neighborhood route, which include one travel lane in each direction and parking on both sides of the street. Curbs and sidewalks will also be included.

**Location:** Greenburg Rd. to 95<sup>th</sup> Ave.

**Status:** Proposed FY 2010-11  
Unfunded



**Funding Sources:**

Gas Tax	<u>\$700,000</u>
<b>Total Funding Sources</b>	<b><u>\$700,000</u></b>

	<b>Fiscal Years</b>				
	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way				\$200,000	
Pre-Design					
Design & Engineering				\$100,000	
Construction					\$400,000
<b>Total Costs</b>				<b>\$300,000</b>	<b>\$400,000</b>

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**

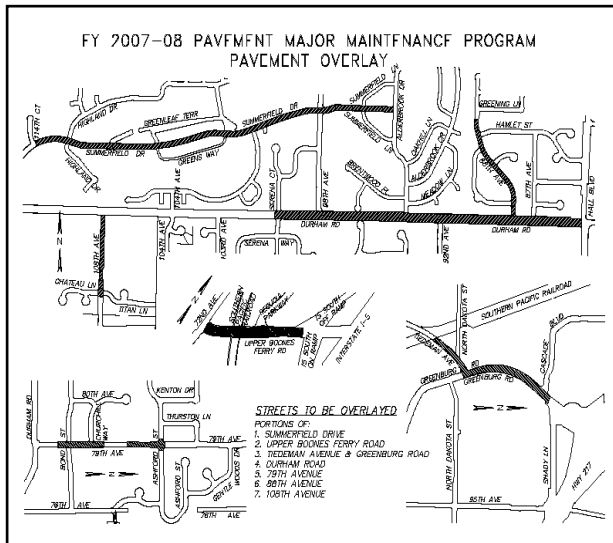
**Project # 507-0857 Pavement Major Maintenance Program Enhancement**

**Project Description**

This funding will be used to address more of the street maintenance backlog and ensure timely maintenance of all the streets in the City. Acceleration of the program beyond the annual funding level of \$800,000 annually will increase the average remaining service life of the street network and avoid costly reconstruction on those streets that can still be rejuvenated with timely maintenance. If made available, the funding provided will be used accelerate the pace of the program by supplementing the Gas Tax Fund of \$150,000 and the Street Maintenance Fee Fund of \$800,000.

**Location:** Various

**Status:** Proposed FY 2007-08  
Unfunded



**Funding Sources:**

Street Maintenance Fee	<u>\$2,585,200</u>
<b>Total Funding Sources</b>	<b><u>\$2,585,200</u></b>

**Fiscal Years**

**2007-2008    2008-2009    2009-2010    2010-2011    2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction	\$400,000	\$470,000	\$546,000	\$573,000	\$596,200
--------------	-----------	-----------	-----------	-----------	-----------

<b>Total Costs</b>	<b>\$400,000</b>	<b>\$470,000</b>	<b>\$546,000</b>	<b>\$573,000</b>	<b>\$596,200</b>
--------------------	------------------	------------------	------------------	------------------	------------------

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**

**Project # 505-0184**

**Pedestrian / Bicycle Paths**

**Project Description**

This project constructs pathways to improve pedestrian safety and access between bus stops, schools and adjacent residential developments. Pathways can either be concrete sidewalks or paved/gravel paths. Landscaped strips are not included in the scope of work as the need for the improvement is to fill in gaps between existing sidewalks within limited rights-of-way, or to enhance pedestrian access to transit stops.

Paved/gravel pathways may also be off-street (but within the street right-of-way) to be used by pedestrians and bicyclists. To construct the pathways, existing ditches that convey storm water will be replaced with pipes and backfilled with clean rock. Locations of the improvements will be at various locations in the City.

The project is also funded through the Storm Water Fund that will be used for installation of new pipes and related drainage work required for construction of pathways. The Gas Tax Fund may also be used to prepare, in partnership with the school district, a master plan for sidewalk, bicycle and traffic safety related improvements within two miles of schools in Tigard. Improvements identified in the master plan will be used to request for grants from federal and state programs. Grants, if obtainable, will help to expand local funding sources to make school routes safe for children to walk and bike.

**Location:** Various

**Status:** Proposed FY 2007-08  
Partially Funded



**Funding Sources:**

Gas Tax	\$ 700,000
Stormwater Fund	\$ 300,000
<b>Total Funding Sources</b>	<b><u>\$1,000,000</u></b>

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way					
Pre-Design					
Design & Engineering					
Construction	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
<b>Total Costs</b>	<b>\$200,000</b>	<b>\$200,000</b>	<b>\$200,000</b>	<b>\$200,000</b>	<b>\$200,000</b>

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**

**Project #506-0696    Traffic Improvement Analysis - Greenburg Rd.  
/Tiedeman Ave. /North Dakota / Tigard St. Area**

**Project Description**

Traffic volumes on the street system in the vicinity of Greenburg Road, North Dakota Street, Tiedeman Avenue and Tigard Street have resulted in frequent traffic backups on all four streets. The skewed intersection of North Dakota Street with Greenburg Road and the railroad crossings on Tiedeman Avenue and North Dakota Street exacerbate the traffic congestion problem. The Tigard Street/Tiedeman Avenue intersection needs turning lanes for more efficient traffic flow. This project provides funding for a study to determine how to improve traffic flow through this area, especially during peak travel hours. The study will include the feasibility of closing one of the railroad crossings and potential street realignments to improve traffic circulation throughout the entire area. It will also include evaluation of the signal timing at the Greenburg Road/Tiedeman Avenue intersection to determine if any changes should be performed for better traffic movement through that intersection. The findings of the study is expected to provide the basis for future improvements in this area to improve traffic flow and enhance traffic and pedestrian safety throughout the streets in this area.

**Location:** Greenburg/Tiedeman/N. Dakota/Tigard St.

**Status:** Proposed FY 2007-08  
Unfunded



**Funding Sources:**

Traffic Impact Fee	<u>\$10,000</u>
<b>Total Funding Sources</b>	<b><u>\$10,000</u></b>

**Fiscal Years**

	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
Land/Right-of-Way					
Pre-Design		\$10,000			
Design & Engineering					
Construction					
<b>Total Costs</b>		<b>\$10,000</b>			

**Project Manager: John Hadley, Capital Construction & Transportation**

**Project # 509-0803     Walnut St. Improvements (116<sup>th</sup> to Tiedeman Ave.)**

**Project Description**

The design of Walnut Street between 121st and Tiedeman Avenue was completed in 2001. A majority of the rights-of-way needed for the widening have been purchased. Completion of the acquisition is anticipated to be completed by the end of FY 2006-07. Construction of the improvements is scheduled for two years beginning FY 2008-09, with the first year reserved for utility under-grounding.

**Location:** 116<sup>th</sup> to Tiedeman Ave.

**Status:** Proposed FY 2008-09  
Unfunded



**Funding Sources:**

Traffic Impact Fees	\$2,500,000
Underground Utility	\$ 150,000
<b>Total Funding Sources</b>	<b><u>\$2,650,000</u></b>

**Fiscal Years**

	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
Land/Right-of-Way					
Pre-Design					
Design & Engineering					
Construction		\$1,150,000	\$1,500,000		
<b>Total Costs</b>		<b>\$1,150,000</b>	<b>\$1,500,000</b>		

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**



**Project # 606-0786      10MG Transfer Pump Station Upgrade**

**Project Description**

The existing transfer pump station, located on the 10 MG reservoir site at Bull Mountain Road/125th Avenue, serves both the 550-foot and 713-foot service zones. The Water Distribution System Hydraulic Study identified a need to replace this pump station with one that would provide a higher pumping capacity to both service zones. Construction of this improvement increases pumping capacity from 2,000 gpm to 3,300 gpm for the 713-foot service zone. The pump station will also provide 3,900 gpm to the 550-foot zone Reservoir No. 2. Along with the piping improvements, the existing pump station at the Canterbury site (Pump Station No. 1) will be abandoned.

**Location:** Bull Mountain Rd. & 125<sup>th</sup> Ave.

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Water CIP                                      \$2,910,000  
**Total Funding Sources**                \$2,910,000

**Fiscal Years**

**2007-2008    2008-2009    2009-2010    2010-2011    2011-2012**

Land/Right-of-Way				
Pre-Design				
Design & Engineering	\$50,000			
Construction		\$2,860,000		
<b>Total Costs</b>	<b>\$50,000</b>	<b>\$2,860,000</b>		

**Project Manager: Rob Murchison, Public Works**

**Project #606-0296**

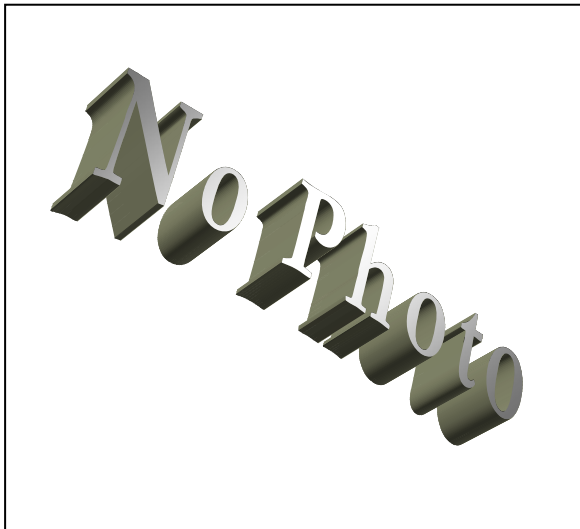
**550' Zone Beaverton Connection**

**Project Description**

The City's water system is currently connected with the City of Beaverton (Joint Water Commission) in the 410' elevation zone. This project will create a second connection to serve the 550' elevation zone. This project may also allow the City to delay construction of a 550' zone reservoir on the north side of Bull Mountain for several years.

**Location:** n/a

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Water SDC	\$116,000
Water Fund	\$ 84,000
<b>Total Funding Sources</b>	<b><u>\$200,000</u></b>

**Fiscal Years**

**2007-2008   2008-2009   2009-2010   2010-2011   2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction            \$200,000

**Total Costs                \$200,000**

**Project Manager: Dennis Koellermeier, Public Works**

**Project # 607-0812**

**Ash Avenue Extension Waterline**

**Project Description**

This project would be in conjunction with the Ash Avenue extension from Burnham to the railroad tracks. Since this would be a new extension of a public street, it is anticipated that a new 8-inch public water line would be needed. Funds for the water system would include design and construction costs.

**Location:** Burnham St. to Railroad Tracks

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Water SDC	<u>\$46,000</u>
<b>Total Funding Sources</b>	<b><u>\$46,000</u></b>

**Fiscal Years**

**2007-2008   2008-2009   2009-2010   2010-2011   2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering     \$6,000

Construction                             \$40,000

**Total Costs                             \$6,000     \$40,000**

**Project Manager: Vannie Nguyen & Rob Murchison**  
**Capital Construction & Transportation /**  
**Public Works**

**Project # 610-0835**

**ASR 1 Rehabilitation**

**Project Description**

Rehabilitation of ASR wells is recommended every six years. Typical work involved may include removal of the pump and reconditioning of the well. In the case of ASR 1, it is also anticipated that a down-hole control valve will be installed, which will likely help eliminate air entrapment in the well due to the cascade effect during the recharge period.

**Location:** TBD

**Status:** Proposed FY 2010-11  
Funded



**Funding Sources:**

Water Fund	<u>\$170,000</u>
<b>Total Funding Sources</b>	<b><u>\$170,000</u></b>

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way					
Pre-Design					
Design & Engineering				\$20,000	
Construction				\$150,000	
<b>Total Costs</b>				<b>\$170,000</b>	

**Project Manager: Rob Murchison, Public Works**

**Project # 607-0514**

**ASR Expansion Studies**

**Project Description**

The City's hydro geologist of record will assist Staff in locating potential sites for additional aquifer storage and recovery (ASR) wells. In addition, test wells must be drilled by a qualified well driller in order for the hydro geologist to determine suitability of the well for ASR purposes. Therefore, these studies will include both consulting services and drilling services.

For budgeting purposes, Staff assumes that each test well site will be deemed as good ASR well sites. When this occurs, it is most economical to have the driller remain on site and ream the well to the larger production well diameter. The funds projected in this line item assume this to be the case.

Staff anticipates completing a new well to be located at the 550-foot Zone Reservoir No. 2 site at the beginning of 07/08, and potentially exploring an additional well site with drilling for the remainder of the fiscal year.

**Location:** TBD

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Water CIP	<u>\$810,000</u>
<b>Total Funding Sources</b>	<b><u>\$810,000</u></b>

**Fiscal Years**

<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
------------------	------------------	------------------	------------------	------------------

Land/Right-of-Way

Pre-Design

Design & Engineering      \$100,000

Construction                      \$710,000

**Total Costs                      \$810,000**

**Project Manager: Rob Murchison & Brian Rager, Public Works**



**Project # 607-0833**

**Cathodic Protection of Steel Reservoirs**

**Project Description**

Steel reservoirs are vulnerable to corrosion over time due to exposure to the elements. Installation of impressed (DC voltage) cathodic protection should extend the life of the interior coating of the tank up to 15 years. This would defer re-coating of the tank interior until that time. Cathodic Protection Systems are widely used and considered industry standard regarding corrosion control of steel interior water storage tanks.

**Location:** TBD

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Water Fund	<u>\$45,000</u>
<b>Total Funding Sources</b>	<b><u>\$45,000</u></b>

**Fiscal Years**

**2007-2008   2008-2009   2009-2010   2010-2011   2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction                      \$45,000

**Total Costs                      \$45,000**

**Project Manager: John Goodrich, Public Works**

**Project # 607-0770**

**Defective Meter Replacements**

**Project Description**

This has been one of the long-term projects for the Public Works Department. The meter replacement program covers two size ranges of meters. First, the program covers systematic testing, repair and/or replacement of all 1 1/2-inch and larger water meters. Meters of this size have developed problems where actual water flows are inaccurately measured; most of the time, the volume of water is under-reported. The result is that water customers could be using more water than they are being assessed. Testing and or replacement of these water meters have proven to make financial sense in that the investment is recouped by the additional revenues received due to accurate meters.

The second part of the program covers meters of less than 1 1/2-inch in size. These are replaced as needed when problems are noted.

**Location:** Various

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Water Fund	<u>\$270,800</u>
<b>Total Funding Sources</b>	<b><u>\$270,800</u></b>

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way					
Pre-Design					
Design & Engineering					
Construction	\$50,000	\$52,000	\$54,000	\$56,300	\$58,500
<b>Total Costs</b>	<b>\$50,000</b>	<b>\$52,000</b>	<b>\$54,000</b>	<b>\$56,300</b>	<b>\$58,500</b>

**Project Manager: Sam Morrison, Public Works**

**Project # 607-0306**

**Meter Installations**

**Project Description**

This on-going program ties in with the Water Service Installations program. When new water customers, or existing customers who need an additional water service, apply for a new service, Public Works staff install the service line and will set the new meter.

**Location:** Various

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Water Fund \$230,000  
**Total Funding Sources** \$230,000

**Fiscal Years**

	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
Land/Right-of-Way					
Pre-Design					
Design & Engineering					
Construction	\$60,000	\$50,000	\$45,000	\$40,000	\$35,000
<b>Total Costs</b>	<b>\$60,000</b>	<b>\$50,000</b>	<b>\$45,000</b>	<b>\$40,000</b>	<b>\$35,000</b>

**Project Manager: Sam Morrison, Public Works**

**Project # 607-0821**

**Pipe Replacement (Commercial St.)**

**Project Description**

Commercial Street is located in the downtown area of Tigard. The improvements involve re-construction of the existing pavement and base and construction of sidewalk on the north side of the street to provide a safe walk for the neighborhood to the proposed Commuter station, bus stops and businesses on Main Street.

As a part of this street project, it is proposed that the existing cast iron water main be replaced with a new 8-inch ductile iron main. Older cast iron main lines are prone to failure as they age, and street projects such as this are ideal opportunities for upgrading.

**Location:** Between Lincoln & Main St.

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Water CIP \$135,000  
**Total Funding Sources** **\$135,000**

**Fiscal Years**

**2007-2008   2008-2009   2009-2010   2010-2011   2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering    \$15,500

Construction                \$119,500

**Total Costs                 \$135,000**

**Project Manager: Vannie Nguyen & Rob Murchison**  
**Capital Construction & Transportation /**  
**Public Works**

**Project # 608-0834**

**Reservoir Seismic Upgrades**

**Project Description**

In FY 07/08, a Reservoir Seismic Upgrade Evaluation will be completed to determine what upgrades should be completed at existing reservoirs. Staff anticipates the actual improvements will need to be constructed over a three-year period, beginning FY 2009.

**Location:** TBD

**Status:** Proposed FY 2008-09  
Funded



**Funding Sources:**

Water Fund	<u>\$937,000</u>
<b>Total Funding Sources</b>	<b><u>\$937,000</u></b>

**Fiscal Years**

**2007-2008   2008-2009   2009-2010   2010-2011   2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction	\$300,000	\$312,000	\$325,000
--------------	-----------	-----------	-----------

<b>Total Costs</b>	<b>\$300,000</b>	<b>\$312,000</b>	<b>\$325,000</b>
--------------------	------------------	------------------	------------------

**Project Manager: Rob Murchison, Public Works**



**Project # 609-0578**

**Walnut Street (116th to Tiedeman):  
Relocate 12-inch Waterline**

**Project Description**

In conjunction with the Street Program reconstruction project, the existing 12-inch main waterline will need to be relocated. This project will include design/engineering and construction costs.

**Location:** TBD

**Status:** Proposed FY 2009-10  
Funded



**Funding Sources:**

Water Fund	<u>\$170,000</u>
<b>Total Funding Sources</b>	<b><u>\$170,000</u></b>

**Fiscal Years**

**2007-2008   2008-2009   2009-2010   2010-2011   2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering

\$22,000

Construction

\$105,000

\$43,000

**Total Costs**

**\$127,000**

**\$43,000**

**Project Manager: Vannie Nguyen & Rob Murchison  
Capital Construction & Transportation /  
Public Works**

**Project # 607-0873      Water Building: Water Conservation Demonstration Garden**

**Project Description**

The Water Building, located at the northwest corner of Burnham Street/Hall Boulevard, will be remodeled on the interior in FY 06/07 to accommodate a temporary and partial consolidation of Public Works. The adjacent street intersection is also a location designated as a downtown entryway. As Tigard continues to support regional water conservation efforts, one way of providing public education is in the area of landscaping. Tigard currently provides incentives to customers who demonstrate they have installed water-saving elements into their irrigation design.

Another excellent way of providing education to customers is by establishing a demonstration garden that would incorporate a variety of water-saving irrigation features, creative plant selection and layout. Such a demonstration garden located at this City building would provide good access to pedestrians who will be visiting the downtown area.

**Location:** TBD

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Water CIP	<u>\$50,000</u>
<b>Total Funding Sources</b>	<b><u>\$50,000</u></b>

**Fiscal Years**

**2007-2008    2008-2009    2009-2010    2010-2011    2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering      \$6,500

Construction                      \$43,500

**Total Costs                      \$50,000**

**Project Manager: Rob Murchison, Public Works**

**Project # 607-0312**

**Water Main Oversizing**

**Project Description**

During the course of the year the City may find the need to upsize a planned pipeline through a new development, thus accomplishing an identified capital improvement as listed in the “Water Distribution System Hydraulic Study – May 2000.”

**Location:** Various

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Water SDC \$425,000  
**Total Funding Sources** \$425,000

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way					
Pre-Design					
Design & Engineering					
Construction	\$125,000	\$75,000	\$75,000	\$75,000	\$75,000
<b>Total Costs</b>	<b>\$125,000</b>	<b>\$75,000</b>	<b>\$75,000</b>	<b>\$75,000</b>	<b>\$75,000</b>

**Project Manager: Rob Murchison, Public Works**

**Project # 607-0308**

**Water Main Replacements**

**Project Description**

This on-going program is based on the needs identified in the “Water Distribution System Hydraulic Study – May 2000”, and is for the routine replacement of leaking, damaged and older water mains throughout the water system. In most cases the existing mains have adequate capacity and will be replaced with the same diameter water mains. This program is also for the completion of loops in the system to maintain hydraulic efficiencies.

NOTE: Larger amounts shown in FY 08/09 and 11/12 due to anticipated main replacements related to the proposed Main Street reconstruction projects.

**Location:** Various

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Water Fund \$315,300  
**Total Funding Sources** **\$315,300**

**Fiscal Years**

	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
Land/Right-of-Way					
Pre-Design					
Design & Engineering					
Construction	\$50,000	\$75,000	\$54,000	\$56,300	\$80,000
<b>Total Costs</b>	<b>\$50,000</b>	<b>\$75,000</b>	<b>\$54,000</b>	<b>\$56,300</b>	<b>\$80,000</b>

**Project Manager: Sam Morrison, Public Works**

**Project # 606-0597**

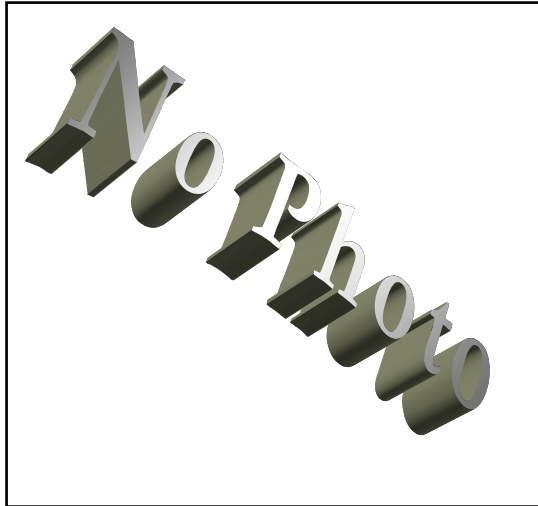
**Water Reservoir Seismic Upgrade Evaluation**

**Project Description**

This is the second year of a two-year program that will review all of Tigard's water reservoirs for conformity to current seismic standards and recommend upgrades where needed.

**Location:** TBD

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Water Fund	<u>\$70,000</u>
<b>Total Funding Sources</b>	<b><u>\$70,000</u></b>

**Fiscal Years**

**2007-2008   2008-2009   2009-2010   2010-2011   2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction                      \$70,000

**Total Costs                      \$70,000**

**Project Manager: Rob Murchison, Public Works**



**Project # 607-0303**

**Water Service Installations**

**Project Description**

This is a long-term program for the department. Each year the City adds new customers to the system through individual building permits or additional water services. Customers apply for a new water service, and Public Works staff installs the service line and will set the meter (see Meter Installations line item).

**Location:** Various

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Water Fund \$54,200  
**Total Funding Sources** \$54,200

**Fiscal Years**

**2007-2008   2008-2009   2009-2010   2010-2011   2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction                    \$10,000      \$10,400      \$10,800      \$11,300      \$11,700

**Total Costs                    \$10,000      \$10,400      \$10,800      \$11,300      \$11,700**

**Project Manager: Sam Morrison, Public Works**

**Project # 607-0595**

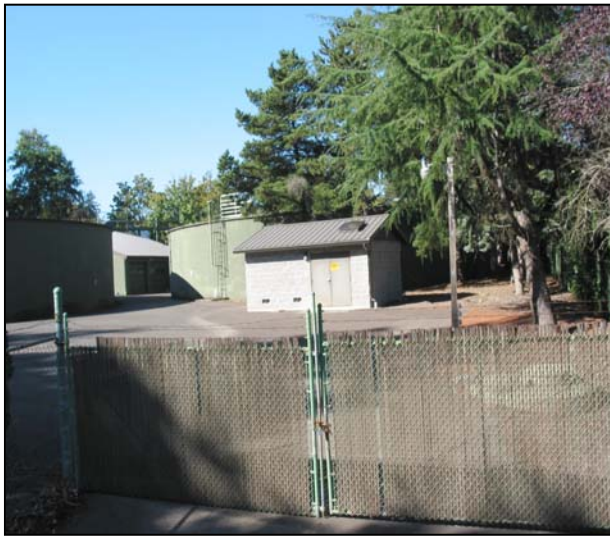
**Water Site Security Upgrades**

**Project Description**

This project will accomplish the water site security upgrades that were identified in the PW Vulnerability Assessment and Emergency Response Plan. The security upgrades will include improvements to such things as access, fencing, intrusion alarms, and monitoring. The implementation of these improvements is estimated to take place over a 20-year period.

**Location:** TBD

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Water Fund \$271,000  
**Total Funding Sources** \$271,000

**Fiscal Years**

	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
Land/Right-of-Way					
Pre-Design					
Design & Engineering					
Construction	\$50,000	\$52,000	\$54,000	\$56,500	\$58,500
<b>Total Costs</b>	<b>\$50,000</b>	<b>\$52,000</b>	<b>\$54,000</b>	<b>\$56,500</b>	<b>\$58,500</b>

**Project Manager: John Goodrich, Public Works**

**Project # 607-0782      550' Zone Reservoir No. 2 and Supply Piping**

**Project Description**

This reservoir will be located on Bull Mountain and will serve the south and eastern portions of the 550-foot pressure zone. Constructing this reservoir will eliminate some of the demand currently supplied by the 713-Foot pressure zone. Supply to the reservoir will be provided through the transfer pump station upgrade.

This project will also include the supply piping necessary between the transfer pump station and the new reservoir, as well as the supply piping from the reservoir to the existing 550-foot pressure zone to the south.

**Location:** Bull Mountain

**Status:** Proposed FY 2007-08  
Partially Funded



**Funding Sources:**

Water CIP \$5,960,000

**Total Funding Sources \$5,960,000**

*Funding contingent upon revenue bond sale in FY 2008-09 and FY 2010-11.*

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way					
Pre-Design					
Design & Engineering	\$400,000				
Construction	\$4,000,000	\$1,560,000			
<b>Total Costs</b>	<b>\$4,400,000</b>	<b>\$1,560,000</b>			

**Project Manager: Rob Murchison, Public Works**

**Project # 607-0584**

**ASR 3**

**Project Description**

The City will continue to expand its aquifer storage and recovery well system. It is anticipated that a production well will be drilled and well head improvements installed at a location where testing has occurred and have proven positive.

**Location:** Bull Mountain Rd. & 125<sup>th</sup> Ave.

**Status:** Proposed FY 2007-08  
Partially Funded



**Funding Sources:**

Water CIP \$1,800,000  
**Total Funding Sources** **\$1,800,000**

*Funding contingent upon revenue bond sale in FY 2008-09 and FY 2010-11.*

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way					
Pre-Design					
Design & Engineering	\$300,000				
Construction		\$1,500,000			
<b>Total Costs</b>	<b>\$300,000</b>	<b>\$1,500,000</b>			

**Project Manager: Rob Murchison, Public Works**

**Project # 607-0314**

**JWC Raw Water Pipeline**

**Project Description**

This project will include a pipe connection between the JWC treatment plant and the headwork at Scoggins Dam. At present, water from Hagg Lake makes its way to the treatment plant via an open channel waterway and the Tualatin River. There are two problems with the existing system. First, the JWC treatment plant must submit a request to the Scoggins Dam control authority to release more water into the open channel system as the demand rises. But the treatment plant can only handle a certain volume of water at the intake; any extra water bypasses the plant and continues down the river. Therefore, there is a loss in efficiency. Second, it is estimated that 20% of the water from Scoggins Dam is lost to evaporation prior to reaching the treatment plant. This raw water pipeline will allow the JWC to control how much water is released from the dam into the pipe so that only the flow rate needed by the treatment plant will be released. In addition, the pipeline will eliminate the water loss due to evaporation and will provide more capacity to the JWC system.

**Location:** Hagg Lake

**Status:** Proposed FY 2007-08  
Partially Funded



**Funding Sources:**

Water CIP	<u>\$7,530,224</u>
<b>Total Funding Sources</b>	<b><u>\$7,530,224</u></b>

*Funding contingent upon revenue bond sale in FY 2008-09 and FY 2010-11.*

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way					
Pre-Design					
Design & Engineering	\$90,000				
Construction		\$1,500,000	\$2,970,112	\$2,970,112	
<b>Total Costs</b>	<b>\$90,000</b>	<b>\$1,500,000</b>	<b>\$2,970,112</b>	<b>\$2,970,112</b>	

**Project Manager: Rob Murchison, Public Works**



**Project # 607-0439**

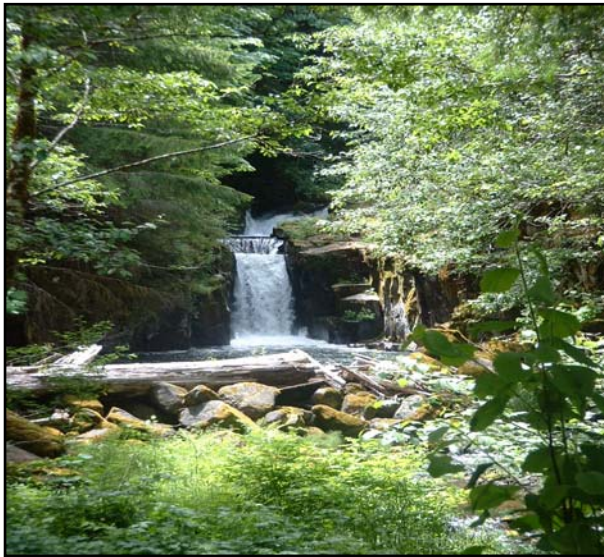
**Scoggins Dam / Tualatin Water Supply**

**Project Description**

As part of obtaining a long term water source for the Tigard service area, the City is partnering with other Joint Water Commission (JWC) owners for the Scoggins Dam Raise feasibility report. Raising the dam would increase the storage volume of Hagg Lake and would therefore provide more capacity for JWC member cities.

**Location:** Hagg Lake

**Status:** Proposed FY 2007-08  
Partially Funded



**Funding Sources:**

Water CIP	<u>\$5,816,000</u>
<b>Total Funding Sources</b>	<b><u>\$5,816,000</u></b>

*Funding contingent upon revenue bond sale in FY 2008-09 and FY 2010-11.*

	<b>Fiscal Years</b>				
	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way					
Pre-Design	\$400,000	\$700,000			
Design & Engineering			\$700,000		
Construction				\$1,016,000	\$3,000,000
<b>Total Costs</b>	<b>\$400,000</b>	<b>\$700,000</b>	<b>\$700,000</b>	<b>\$1,016,000</b>	<b>\$3,000,000</b>

**Project Manager: Dennis Koellermeier, Public Works**

**Project # 609-0590**

**550' Reservoir No. 1**

**Project Description**

The City's Water System Hydraulic Master Plan calls for a 550' Zone reservoir on the north side of Bull Mountain to serve that section of the pressure zone.

**Location:** Northside of Bull Mountain

**Status:** Proposed FY 2009-10  
Unfunded



**Funding Sources:**

Water CIP	<u>\$4,200,000</u>
<b>Total Funding Sources</b>	<b><u>\$4,200,000</u></b>

*Funding contingent upon revenue bond sale in FY 2008-09 and FY 2010-11.*

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way					
Pre-Design					
Design & Engineering			\$200,000		
Construction				\$2,000,000	\$2,000,000
<b>Total Costs</b>			<b>\$200,000</b>	<b>\$2,000,000</b>	<b>\$2,000,000</b>

**Project Manager: Rob Murchison, Public Works**

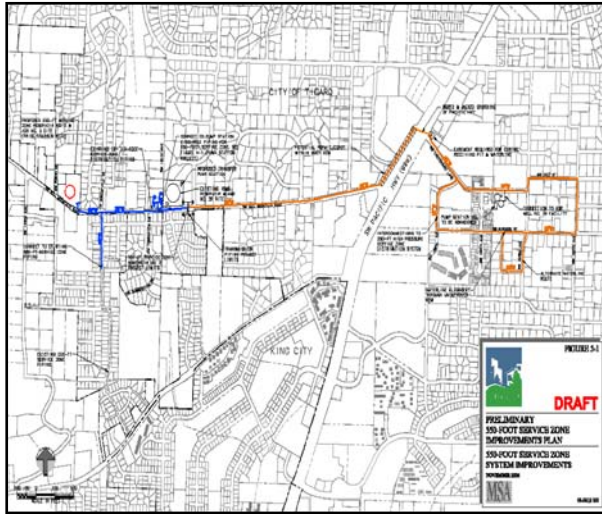
**Project # 608-0681      550' Zone 12" Canterbury Loop**

**Project Description**

This project will involve upsizing of existing water lines to a 12" supply line to feed the Canterbury hill neighborhood in the 550' zone.

**Location:** Canterbury Hill Neighborhood

**Status:** Proposed FY 2008-09  
Unfunded



**Funding Sources:**

Water CIP	<u>\$830,000</u>
<b>Total Funding Sources</b>	<b><u>\$830,000</u></b>

*Funding contingent upon revenue bond sale in FY 2008-09 and FY 2010-11.*

**Fiscal Years**

**2007-2008    2008-2009    2009-2010    2010-2011    2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering                      \$125,000

Construction                                      \$664,000      \$41,000

**Total Costs                                      \$789,000      \$41,000**

**Project Manager: Rob Murchison, Public Works**

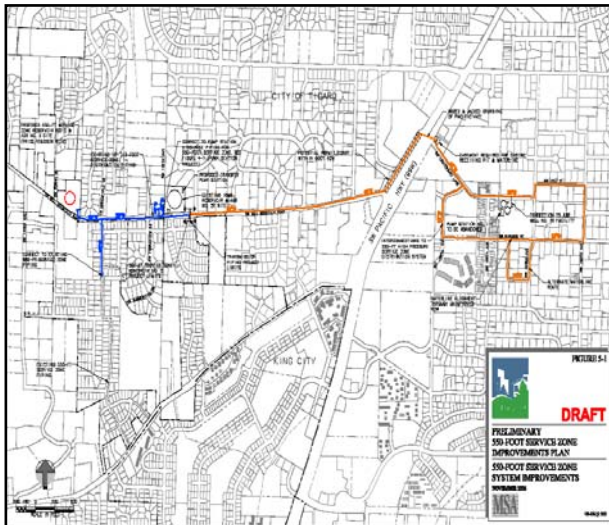
**Project # 608-0679      550' Zone 18" Canterbury Supply Line**

**Project Description**

This project will construct a transmission line from the 10 MG Transfer Pump Station area to the 550' zone around Canterbury hill and will involve crossing Highway 99W.

**Location:** Canterbury Hill Neighborhood

**Status:** Proposed FY 2008-09  
Unfunded



**Funding Sources:**

Water CIP \$1,415,000

**Total Funding Sources** \$1,415,000

*Funding contingent upon revenue bond sale in FY 2008-09 and FY 2010-11.*

**Fiscal Years**

**2007-2008    2008-2009    2009-2010    2010-2011    2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering                      \$185,000

Construction                                      \$984,000    \$246,000

**Total Costs**                                      **\$1,169,000    \$246,000**

**Project Manager: Dennis Koellermeier, Public Works**

**Project # 609-0588**

**ASR 4**

**Project Description**

The City will continue to expand its aquifer storage and recovery well system. It is anticipated that a production well will be drilled and well head improvements installed at a location where testing has occurred and have proven positive.

**Location:** TBD

**Status:** Proposed FY 2009-10  
Unfunded



**Funding Sources:**

Water CIP	<u>\$1,300,000</u>
<b>Total Funding Sources</b>	<b><u>\$1,300,000</u></b>

*Funding contingent upon revenue bond sale in FY 2008-09 and FY 2010-11.*

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way					
Pre-Design					
Design & Engineering			\$300,000		
Construction				\$1,000,000	
<b>Total Costs</b>			<b>\$300,000</b>	<b>\$1,000,000</b>	

**Project Manager: Rob Murchison, Public Works**



**Project # 507-0335**

**Burnham St. Improvements**

**Project Description**

This project provides funding to complete the design for Burnham Street improvements and acquire necessary rights-of-way for the improvements. Based on current design standards for a collector street, the street requires a minimum paved width of 44 feet with landscaped strips shielding the sidewalks from traffic on the street. However, these elements have been modified to incorporate design concepts recommended by the Tigard Downtown Comprehensive Streetscape plan. These concepts include widening Burnham Street between Main Street and Ash Avenue to a paved width of 38 feet and between Ash Avenue and Hall Boulevard to 50 feet. Sidewalks, landscaped strips and on-street parking will be provided as part of the widening. In addition, a roundabout will be installed at the intersection of Hall Boulevard and Ash Avenue and green street storm water management concept will be applied for water quality enhancement. The final design and right-of-way acquisition for Burnham Street are scheduled to be completed in the summer of 2007. Construction is anticipated to begin in late summer or fall of 2007.

**Location:** Burnham St.

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Gas Tax	\$2,445,000
Traffic Impact Fees	\$2,445,000
Underground Utility Fund	\$ 300,000
Water Fund	\$ 425,000
Urban Renewal Fund	\$ 535,000
<b>Total Funding Sources</b>	<b><u>\$ 6,150,000</u></b>

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way	\$892,500				
Pre-Design					
Design & Engineering	\$160,000				
Construction	\$847,500	\$4,250,000			
<b>Total Costs</b>	<b>\$1,900,000</b>	<b>\$4,250,000</b>			

**Project Manager: Gus Duenas & Vannie Nguyen**  
**Capital Construction & Transportation**

**Project # 507-0723**

**Commercial St. Improvements**

**Project Description**

Commercial Street is located in the downtown area of Tigard. The improvements involve re-construction of the existing pavement and base and construction of sidewalk on the north side of the street to provide a safe walk for the neighborhood to the proposed Commuter station, bus stops and businesses on Main Street. The total paved width of Commercial Street after completion is 28 feet, which will accommodate two travel lanes, one in each direction. Parking on the street will be permitted between the highway 99W over-crossing and Main Street. Streetscape improvements for the project will incorporate design concepts recommended by the Tigard Downtown Comprehensive Streetscape Plan. The construction was originally scheduled for the spring of 2006. However, this schedule has been delayed to the spring of 2007 to allow additional time for acquisition of rights-of-way from Tri-Met. Completion of the project will provide a safe and convenient pedestrian route to downtown services and the planned commuter rail station. This project has been approved for Community Development Block Grant in the amount of \$91,300 with local matching funds of \$608,700 coming from the Gas Tax Fund, and \$135,000 from the Water Fund. The project's storm water treatment facility will also be enlarged to provide treatment for a significant portion of the downtown Tigard area (approximately 20 acres) and another 20 acres of an older developed area just west of Hwy 99W over-crossing. The additional treatment is funded through the Water Quality/Quantity Fund.

**Location:** Lincoln Ave. to Main St.

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Gas Tax	\$608,700
Water Quality / Quantity	\$120,000
Community Development Block Grant	<u>\$ 91,300</u>
<b>Total Funding Sources</b>	<b><u>\$820,000</u></b>

**Fiscal Years**

**2007-2008   2008-2009   2009-2010   2010-2011   2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction                    \$820,000

**Total Costs                    \$820,000**

**Project Manager: Vannie Nguyen, Capital Construction & Transportation**

**Project # 107-0773**

**Commuter Rail Enhancements**

**Project Description**

This project upgrades the Commuter Rail Shelter from the revised design provided by Tri-Met to their original and more traditional shelter design. The upgrade also includes two additional foundations for expansion of the shelter to up to 24 feet.

**Location:** Commercial St. & Main St. Intersection

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Facility Fund	<u>\$105,000</u>
<b>Total Funding Sources</b>	<b><u>\$105,000</u></b>

**Fiscal Years**

**2007-2008   2008-2009   2009-2010   2010-2011   2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction                      \$105,000

**Total Costs                      \$105,000**

**Project Manager: Phil Nachbar, Long Range Planning**

**Project # 207-0779**

**Downtown Urban Corridor - Master Plan**

**Project Description**

The Urban Creek Corridor is a “catalyst” project identified in the Downtown Plan, and is a series of proposed park blocks spanning the Downtown from north to south, ending in Fanno Creek Park. Pending a determination of feasibility in FY 06-07, the project is scheduled to be master planned in FY 07-08.

**Location:** Downtown Tigard

**Status:** Proposed FY 2008-09  
Funded



**Funding Sources:**

Park SDC	<u>\$80,000</u>
<b>Total Funding Sources</b>	<b><u>\$80,000</u></b>

**Fiscal Years**

**2007-2008    2008-2009    2009-2010    2010-2011    2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering                      \$80,000

Construction

**Total Costs                                      \$80,000**

**Project Manager: Phil Nachbar, Long Range Planning**

**Project # 207-0863**

**Downtown Park Land Acquisition**

**Project Description**

This project includes appraisal and acquisition of floodplain properties adjacent to Fanno Creek Park for park expansion. The expansion of the park area is critical to the reconstruction and restoration of Fanno Creek itself which is anticipated to occur on one of two parcels. The other parcel is important for full use of the park and its eventual connection to a public plaza.

**Location:** TBD

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Park SDC \$120,000  
Total Funding Sources \$120,000

**Fiscal Years**

	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
Land/Right-of-Way	\$120,000				
Pre-Design					
Design & Engineering					
Construction					
<b>Total Costs</b>	<b>\$120,000</b>				

**Project Manager: Phil Nachbar, Long Range Planning**



**Project # 209-0811**

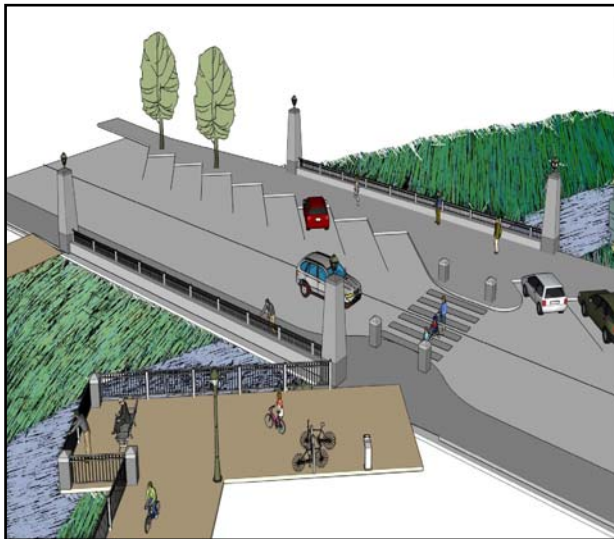
**Fanno Creek Park Gateway at Main St.**

**Project Description**

A formal, public entryway into Fanno Creek Park from Main Street including a cantilevered deck / overlook and pathway into the park. Specific improvements include hard-scaped pathway, lighting, deck and railing for overlook, signage, bollards, and decorative monuments on the bridge.

**Location:** Main St.

**Status:** Proposed FY 2008-09  
Funded



**Funding Sources:**

Park SDC \$255,000  
Total Funding Sources \$255,000

**Fiscal Years**

**2007-2008   2008-2009   2009-2010   2010-2011   2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering                      \$30,000

Construction    \$225,000

**Total Costs    \$30,000              \$225,000**

**Project Manager: Phil Nachbar, Long Range Planning**

**Project # 207-0780**

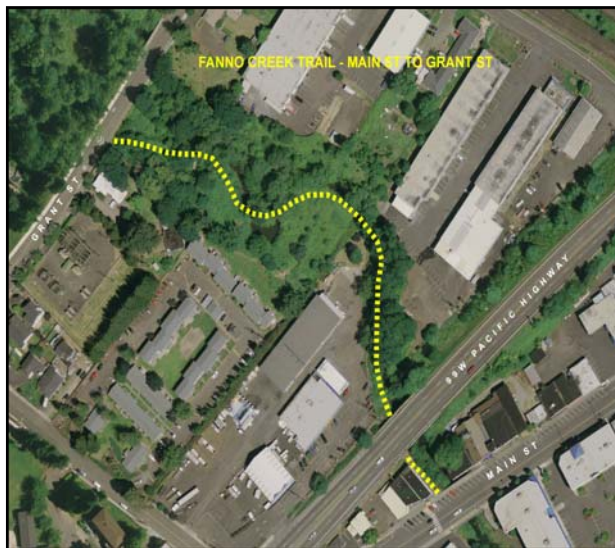
**Fanno Creek Trail (Main St. to Grant St.)**

**Project Description**

Project includes the installation of a trail from Main Street to Grant Street. This trail is a key part of the larger Fanno Creek Regional Trail System from Portland to Tualatin, and will connect with the trail into Fanno Creek Park. Funding for this project is subject to change based on changes made to the Fanno Creek Master Plan.

**Location:** Main St. to Grant St.

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Park SDC \$115,000  
**Total Funding Sources \$115,000**

**Fiscal Years**

**2007-2008   2008-2009   2009-2010   2010-2011   2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction                    \$115,000

**Total Costs                    \$115,000**

**Project Manager: Phil Nachbar, Long Range Planning**

**Project # 207-0820**

**Fanno Creek Park**

**Project Description**

Park Design/Construction: Phase I construction will include restoration and improvements to the core area of the park from Hall Blvd. to Main Street. Anticipated specific improvements will include removal of invasive species, native plant installation, trails, establishing views, and improved access.

**Location:** Burnham St. / Main St. Area

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Park SDC \$1,170,000

**Total Funding Sources** **\$1,170,000**

**Fiscal Years**

**2007-2008   2008-2009   2009-2010   2010-2011   2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering    \$170,000

Construction                                  \$1,000,000

**Total Costs                                  \$170,000    \$1,000,000**

**Project Manager: Phil Nachbar, Long Range Planning**

**Project # 207-0776**

**Fanno Creek Park / Plaza Master Plan**

**Project Description**

Fanno Creek Park and the Public Use Area is a major Downtown project and considered a “catalyst” project. This project is to develop a new Master Plan for the Park. The project will provide an overall master plan to the schematic design level, direction for park improvements including restoration, view points, access, creek improvements, and a public use area. It will also address access to the park from Downtown streets, and design parameters for adjoining development.

**Location:** Burnham St. / Main St. Area

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Park SDC	<u>\$205,000</u>
<b>Total Funding Sources</b>	<b><u>\$205,000</u></b>

**Fiscal Years**

**2007-2008   2008-2009   2009-2010   2010-2011   2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering    \$205,000

Construction

**Total Costs                    \$205,000**

**Project Manager: Phil Nachbar, Long Range Planning**

**Project # 209-0848**

**Fanno Creek Plaza**

**Project Description**

This project is the central public use area to be located adjoining Fanno Creek Park, and in the vicinity of Main St and Burnham St. The project will be designed as a multi-use plaza and include a range of improvements appropriate for its use.

**Location:** Vicinity of Main & Burnham Streets

**Status:** Proposed FY 2009-10  
Funded



**Funding Sources:**

Park SDC	\$1,755,000
Urban Renewal Fund	\$1,495,000
<b>Total Funding Sources</b>	<b>\$3,250,000</b>

**Fiscal Years**

	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
Land/Right-of-Way			\$813,000		
Pre-Design					
Design & Engineering			\$737,000		
Construction				\$1,700,000	
<b>Total Costs</b>			<b>\$1,550,000</b>	<b>\$1,700,000</b>	

**Project Manager: Phil Nachbar, Long Range Planning**





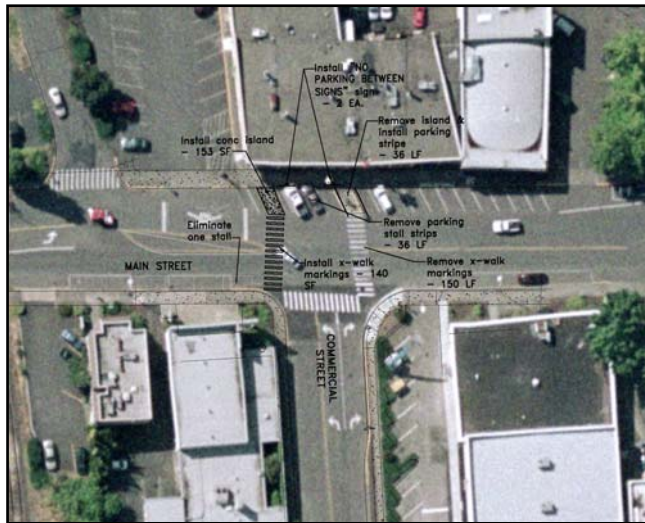
**Project # 507-0728      Main Street Safety Improvements**

**Project Description**

The project continues minor safety enhancements on Main Street including installation of streetlights, light fixtures and stop signs, relocation of marked crosswalks, re-painting crosswalk markings, reconfiguration of the existing parking on the street, etc. The scope of work developed for each location was based on field observations and evaluation of public input regarding traffic movements on Main Street and its intersecting streets. It also incorporates alternative safety improvements recommended in the Traffic Study prepared for the proposed Commuter Rail and associated park and ride facility in downtown Tigard. The funding provided is for completion of the improvements, which began in FY 2006-07.

**Location:** Main St.

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

Gas Tax \$25,000  
**Total Funding Sources \$25,000**

**Fiscal Years**

**2007-2008    2008-2009    2009-2010    2010-2011    2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction                    \$25,000

**Total Costs                    \$25,000**

**Project Manager: Gus Duenas & Vannie Nguyen**  
**Capital Construction & Transportation**

**Project # 107-0774**

**Transit Center Redesign**

**Project Description**

This project (MTIP Grant proposal) is to develop a master plan for the joint City / Tri-Met redevelopment of the 0.81 acre Tigard Transit Center site including surrounding properties. This project is intended to serve multiple downtown objectives; 1) upgrade the transit facility 2) connect future open space on either side of the rail, and 3) activate a key location and encourage new investment in the downtown. The Transit Center would be redesigned to be more functional for Tri-Met bus use, provide improved pedestrian connections to the Commuter Rail Station, and potentially include public plaza space and new development depending on space availability. The MTIP Grant proposal for this project has not been approved.

**Location:** 8900 SW Commercial St.

**Status:** Proposed FY 2007-08  
Funded



**Funding Sources:**

MTIP	\$160,000
Facility Fund	<u>\$ 40,000</u>
<b>Total Funding Sources</b>	<b><u>\$200,000</u></b>

**Fiscal Years**

<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
------------------	------------------	------------------	------------------	------------------

Land/Right-of-Way

Pre-Design

Design & Engineering    \$200,000

Construction

**Total Costs                    \$200,000**

**Project Manager: Phil Nachbar, Long Range Planning**

**Project # 507-0807**

**Commercial St. (Main to Hall)**

**Project Description**

Redesign and construction of Commercial Street in accordance with design parameters in the Downtown Streetscape Design Plan. Improvements will include sidewalks, landscaping, lighting, a new paving overlay, and crossing improvements.

**Location:** Commercial from Main to Hall

**Status:** Proposed FY 2008-09  
Unfunded



**Funding Sources:**

Gas Tax	<u>\$600,000</u>
<b>Total Funding Sources</b>	<b><u>\$600,000</u></b>

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
--	------------------	------------------	------------------	------------------	------------------

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction	\$600,000
--------------	-----------

<b>Total Costs</b>	<b>\$600,000</b>
--------------------	------------------

**Project Manager: Gus Duenas, Capital Construction & Transportation**

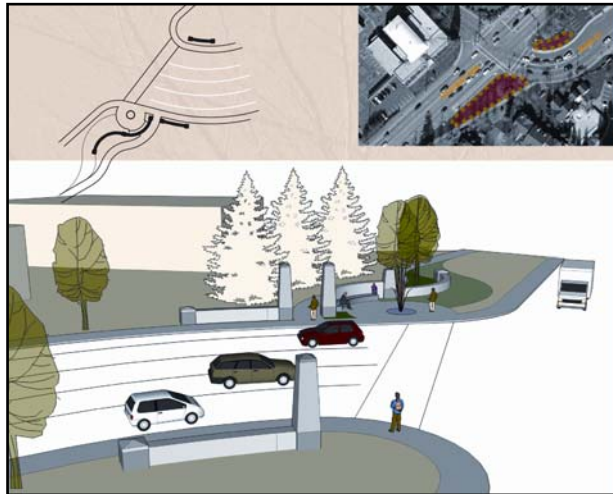
**Project # 507-0724      Hall Blvd. & Highway 99W Gateway Treatments**

**Project Description**

This project designs and constructs landscape and streetscape improvements at the intersection of Highway 99W and Hall Blvd. The improvements will incorporate the design concept established by the Downtown Comprehensive Streetscape Plan and will coordinate with the MSTIP3 Hall Boulevard at Highway 99W Right-Turn Lane Widening project managed by Washington County.

**Location:** Hwy 99W & Hall Blvd.

**Status:** Proposed FY 2007-08  
Funded



<b><u>Funding Sources:</u></b>	
Urban Renewal Fund	<u>\$75,000</u>
<b>Total Funding Sources</b>	<b><u>\$75,000</u></b>

**Fiscal Years**

	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
Land/Right-of-Way					
Pre-Design					
Design & Engineering					
Construction	\$75,000				
<b>Total Costs</b>	<b>\$75,000</b>				

**Project Manager:** Gus Duenas, Capital Construction & Transportation



**Project # 507-0725**

**Hall Blvd. & Tigard St. Crosswalks**

**Project Description**

The Hall Boulevard crosswalk project is carried over from FY 2006-07 for installation of a crosswalk on Hall Blvd to provide a safe connection between an existing and a new Fanno Creek trail for trail users. The new trail will begin on the east side of Hall Boulevard, proceed southward to just north of Fanno Creek, then cross the creek with a timber bridge, and connect to the terminus of the existing trail behind the Library. The final alignment of the new trail is contingent upon the level of impacts to the sensitive lands situated in the trail's vicinity. Since Hall Boulevard is a state route, construction of the crosswalk requires approval from the Oregon Department of Transportation (ODOT). Upon completion of the project, the crosswalk will provide a mid-block crossing on a heavily-traveled, two-lane state route with a posted speed limit of 40 mph. Flashing beacons may be installed prior to the crossing to alert the on-coming two-way traffic of pedestrians crossing the street. Students using the Fanno Creek trail to ride bicycles to and from Fowler Middle School have been observed occasionally entering Tigard Street without stopping. Motorists, bicyclists and pedestrians all need to be aware of the street crossing and the hazards inherent at that location. The funding provided will also be used to evaluate the feasibility of installing a mid-block crosswalk together with additional traffic control measures and signs on both Tigard Street and on the trail approaches to that street.

**Location:** at Fanno Creek pathway

**Status:** Proposed FY 2007-08  
Unfunded



**Funding Sources:**

Gas Tax	<u>\$100,000</u>
<b>Total Funding Sources</b>	<b><u>\$100,000</u></b>

**Fiscal Years**

	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
Land/Right-of-Way					
Pre-Design		\$20,000			
Design & Engineering					
Construction		\$80,000			
<b>Total Costs</b>		<b>\$100,000</b>			
<b>Project Manager: Vannie Nguyen, Capital Construction &amp; Transportation</b>					

**Project # 510-0871      Main Street Green Street Retrofit – Phase 2**

**Project Description**

The Main Street project is multi-year and includes comprehensive redesign and construction of the full length of Main Street. This phase of the project (MTIP Grant proposal) is to reconstruct the street in accordance with Green Street Standards for 1400 lineal feet of Main Street, from the Commuter Rail entrance to the south entrance at 99W. It encompasses the entire, public right-of-way (ROW) and includes streets, curbs, sidewalks, landscape, and drainage improvements. Design will be based on concept plans as approved in the Downtown Streetscape Plan. Phase 1 of this project consists of work starting at the railroad tracks to Highway 99W. Phase 2 of the project consists of work from the railroad tracks north to Greenburg Road.

**Location:** Main St.

**Status:** Proposed FY 2010-11  
Unfunded



**Funding Sources:**

MTIP Grant	\$2,117,000
Gas Tax	\$ 783,000
<b>Total Funding Sources</b>	<b><u>\$2,900,000</u></b>

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way					
Pre-Design					
Design & Engineering				\$400,000	
Construction					\$2,500,000
<b>Total Costs</b>				<b>\$400,000</b>	<b>\$2,500,000</b>

**Project Manager:** Vannie Nguyen, Capital Construction & Transportation

**Project # 508-0819 Main St. South at Highway 99W Gateway Treatment**

**Project Description**

This project includes design and construction of a key gateway to the Downtown area at the south end of Main Street at its intersection with Highway 99W (across from Johnson Street), including site demolition, and entryway features such as monuments, landscaping, lighting, signage, and furnishings.

**Location:** Main St.

**Status:** Proposed FY 2008-09  
Unfunded



**Funding Sources:**

Gas Tax \$225,000  
**Total Funding Sources** **\$225,000**

**Fiscal Years**

**2007-2008    2008-2009    2009-2010    2010-2011    2011-2012**

Land/Right-of-Way

Pre-Design

Design & Engineering

Construction \$225,000

**Total Costs** **\$225,000**

**Project Manager:** Gus Duenas, Capital Construction & Transportation

**Project # 507-0715      Main St. Traffic Light (at Tigard St.)**

**Project Description**

A traffic signal warrant analysis for installation of a traffic light at the intersection of Main Street and Tigard Street is prepared in FY 2006-07. This project provides funding to design and construct the light at the intersection if feasible. The design will be coordinated with the signalized crossing gates for the Main Street railroad crossing to be installed as part of the Commuter Rail project.

**Location:** Main St. & Tigard St.

**Status:** Proposed FY 2008-09  
Unfunded



**Funding Sources:**

Gas Tax	<u>\$160,000</u>
<b>Total Funding Sources</b>	<b><u>\$160,000</u></b>

**Fiscal Years**

	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>
Land/Right-of-Way					
Pre-Design					
Design & Engineering		\$40,000			
Construction		\$120,000			
<b>Total Costs</b>		<b>\$160,000</b>			

**Project Manager:** Vannie Nguyen, Capital Construction & Transportation

**Project # 509-0802**

**Scoffins/Hall/Hunziker Realignment**

**Project Description**

This project corrects the unusual four-leg intersection of Hall Blvd/Scoffins/Hunziker Street. Hunziker and Scoffins Street intersect Hall Boulevard at an acute angle and at two separate locations creating inadequate corner sight distance at four quadrants. The closely spaced offset between the two intersecting streets creates a sub-standard queue-storage distance on Hall Blvd, one of the most heavily traveled streets in Tigard. The proposed funding, if available, is for preparation of a traffic study including alternative resolutions of the problems, conceptual design, final design, right-of-way acquisition and construction.

**Location:** Hall/Scoffins/Hunziker

**Status:** Proposed FY 2007-08  
Unfunded



**Funding Sources:**

Traffic Impact Fees	\$4,800,000
Underground Utility	<u>\$ 200,000</u>
<b>Total Funding Sources</b>	<b><u>\$5,000,000</u></b>

**Fiscal Years**

	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
Land/Right-of-Way			\$1,500,000		
Pre-Design					
Design & Engineering		\$300,000			
Construction				\$3,200,000	
<b>Total Costs</b>		<b>\$300,000</b>	<b>\$1,500,000</b>	<b>\$3,200,000</b>	

**Project Manager: Phil Nachbar, Long Range Planning**



**Project # 209-0855**

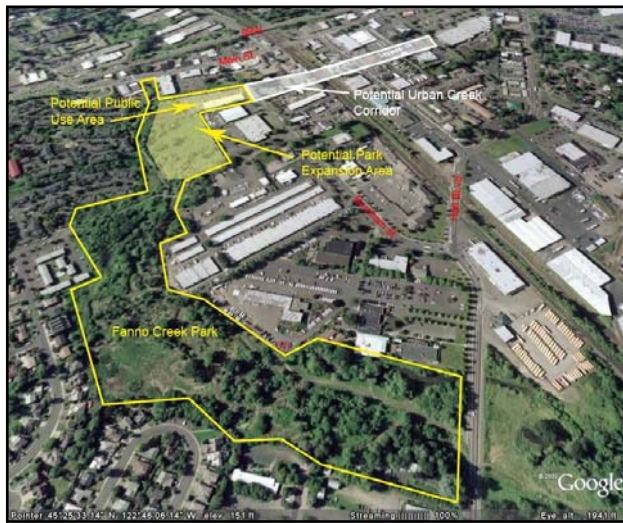
**Urban Creek Corridor**

**Project Description**

A series of park blocks from Burnham St. on the south to Scoffins St. on the north, aligning with the proposed Fanno Creek Plaza. Design of the open space corridor will incorporate sustainable design, potential water features, and public art depending on community preferences.

**Location:** Between Burnham St. & Scoffins St.

**Status:** Proposed FY 2009-10  
Unfunded



**Funding Sources:**

Park SDC	\$3,800,000
Urban Renewal Fund	<u>\$1,748,000</u>
<b>Total Funding Sources</b>	<b><u>\$4,000,000</u></b>

**Fiscal Years**

	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
Land/Right-of-Way			\$3,800,000		
Pre-Design					
Design & Engineering					\$200,000
Construction					
<b>Total Costs</b>			<b>\$3,800,000</b>		<b>\$200,000</b>

**Project Manager: Gus Duenas, Capital Construction & Transportation**