

# Street System

Page	Project	Project Name	Projected 2010-11	2011–12	2012–13	2013–14	2014–15	2015–16	Projected Totals
39	95001	Pavement Management Program	\$882,144	\$1,115,400	\$1,390,400	\$1,690,400	\$1,690,400	\$1,690,400	<b>\$8,459,144</b>
40	95027	Citywide Sidewalk & Pedestrian Improvements	\$141,000	\$141,000	\$141,000	\$141,000	\$141,000	\$141,000	<b>\$846,000</b>
41	95033	Pacific Highway/Gaarde Street/McDonald Street Improvements	0	\$327,871	\$242,265	\$234,689	\$221,053	\$3,509	<b>\$1,029,387</b>
42	95034	Crosswalk Beacon Upgrade	0	\$75,000	0	0	0	0	<b>\$75,000</b>
43	95035	72 <sup>nd</sup> Avenue/Dartmouth Street Intersection Improvement	0	\$55,000	\$445,000	0	0	0	<b>\$500,000</b>
44	95036	Utility Undergrounding	0	0	\$21,401	\$147,495	\$281,104	0	<b>\$450,000</b>
45	97003	Main Street/Green Street Retrofit	\$55,300	\$122,825	\$435,454	\$66,667	0	0	<b>\$680,246</b>
<b>Total Funded</b>			<b>\$1,078,444</b>	<b>\$1,837,096</b>	<b>\$2,675,520</b>	<b>\$2,280,251</b>	<b>\$2,333,557</b>	<b>\$1,834,909</b>	<b>\$12,039,777</b>

**HOW STREET PROJECTS ARE FUNDED**

- ▶ *Transportation Development Tax and Traffic Impact Fees paid by developers*
- ▶ *Gas Tax collected by the state*
- ▶ *City Gas Tax (local tax)*
- ▶ *Street Maintenance Fees collected via utility billing charges*

## Pavement Management Program

This program, funded by the Street Maintenance Fee, consists of pavement overlays and slurry seals on various streets throughout the city in order to preserve the city's investment in the existing street surface. Pavement overlays are planned in the summer and fall of 2011.



Pavement Management Program				Location Citywide	Funding Status Fully Funded	Project Manager(s) Mike McCarthy Public Works			
	Actual 2009–10	Revised 2010–11	Projected 2010–11	2011–12	2012–13	2013–14	2014–15	2015–16	PROJECTED TOTAL
<b>EXTERNAL EXPENSES</b>									
Design and Engineering	0	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	<b>\$240,000</b>
Construction	\$734,028	\$737,500	\$798,411	\$1,025,000	\$1,300,000	\$1,600,000	\$1,600,000	\$1,600,000	<b>\$7,923,411</b>
<b>TOTAL</b>	<b>\$734,028</b>	<b>\$777,500</b>	<b>\$838,411</b>	<b>\$1,065,000</b>	<b>\$1,340,000</b>	<b>\$1,640,000</b>	<b>\$1,640,000</b>	<b>\$1,640,000</b>	<b>\$8,163,411</b>
<b>INTERNAL EXPENSES</b>									
Project Management	0	\$40,000	\$33,333	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	<b>\$233,333</b>
Construction Management	0	\$10,400	\$10,400	\$10,400	\$10,400	\$10,400	\$10,400	\$10,400	<b>\$62,400</b>
<b>TOTAL</b>	<b>0</b>	<b>\$50,400</b>	<b>\$43,733</b>	<b>\$50,400</b>	<b>\$50,400</b>	<b>\$50,400</b>	<b>\$50,400</b>	<b>\$50,400</b>	<b>\$295,733</b>
<b>TOTAL PROJECT EXPENSE</b>	<b>\$734,028</b>	<b>\$827,900</b>	<b>\$882,144</b>	<b>\$1,115,400</b>	<b>\$1,390,400</b>	<b>\$1,690,400</b>	<b>\$1,690,400</b>	<b>\$1,690,400</b>	<b>\$8,459,144</b>
<b>REVENUE FUNDING SOURCE</b>									
Street Maintenance Fund	\$734,028	\$827,900	\$882,144	\$1,115,400	\$1,390,400	\$1,690,400	\$1,690,400	\$1,690,400	<b>\$8,459,144</b>
<b>TOTAL</b>	<b>\$734,028</b>	<b>\$827,900</b>	<b>\$882,144</b>	<b>\$1,115,400</b>	<b>\$1,390,400</b>	<b>\$1,690,400</b>	<b>\$1,690,400</b>	<b>\$1,690,400</b>	<b>\$8,459,144</b>
<b>OTHER REVENUE SOURCE</b>									
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## Citywide Sidewalk & Pedestrian Improvements

This program will allow the addition of sidewalks, short trail connections and related facilities in order to link key gaps in the city’s pedestrian system. Projects will be chosen each year based on pedestrian need, safety, benefit, mobility options and ability to leverage other resources. Candidate locations have been identified in the Transportation System Plan (TSP) and include 121st Avenue, Tiedeman Avenue, Tigard Street, North Dakota Street, and crossings of busy streets such as McDonald Street and Greenburg Road. Areas around city schools include 97th Avenue and Murdock Street, pedestrian facilities in Town and Regional Centers, connections to transit stops, and short trail sections identified in the Neighborhood Trails Plan.



Citywide Sidewalk & Pedestrian Improvements				Location Citywide	Funding Status Fully Funded				Project Manager(s) Mike McCarthy Public Works
	Actual 2009–10	Revised 2010–11	Projected 2010–11	2011–12	2012–13	2013–14	2014–15	2015–16	PROJECTED TOTAL
<b>EXTERNAL EXPENSES</b>									
Land/Right of Way Acquisition	0	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	<b>\$60,000</b>
Design and Engineering	0	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	<b>\$60,000</b>
Construction	0	\$101,000	\$101,000	\$101,000	\$101,000	\$101,000	\$101,000	\$101,000	<b>\$606,000</b>
<b>TOTAL</b>	<b>0</b>	<b>\$121,000</b>	<b>\$121,000</b>	<b>\$121,000</b>	<b>\$121,000</b>	<b>\$121,000</b>	<b>\$121,000</b>	<b>\$121,000</b>	<b>\$726,000</b>
<b>INTERNAL EXPENSES</b>									
Project Management	0	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	<b>\$60,000</b>
Construction Management	0	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	<b>\$60,000</b>
<b>TOTAL</b>	<b>0</b>	<b>\$20,000</b>	<b>\$20,000</b>	<b>\$20,000</b>	<b>\$20,000</b>	<b>\$20,000</b>	<b>\$20,000</b>	<b>\$20,000</b>	<b>\$120,000</b>
<b>TOTAL PROJECT EXPENSE</b>	<b>0</b>	<b>\$141,000</b>	<b>\$141,000</b>	<b>\$141,000</b>	<b>\$141,000</b>	<b>\$141,000</b>	<b>\$141,000</b>	<b>\$141,000</b>	<b>\$846,000</b>
<b>REVENUE FUNDING SOURCE</b>									
Gas Tax	0	\$141,000	\$141,000	\$141,000	\$141,000	\$141,000	\$141,000	\$141,000	<b>\$846,000</b>
<b>TOTAL</b>	<b>0</b>	<b>\$141,000</b>	<b>\$141,000</b>	<b>\$141,000</b>	<b>\$141,000</b>	<b>\$141,000</b>	<b>\$141,000</b>	<b>\$141,000</b>	<b>\$846,000</b>
<b>OTHER REVENUE SOURCE</b>	0	0	0	0	0	0	0	0	<b>0</b>
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## Pacific Highway/Gaarde Street/ McDonald Street Improvements

The Pacific Highway, Gaarde Street and McDonald Street intersection has the highest accident count of any intersection in Tigard. It also limits traffic capacity along all three roadways. This project proposes to improve the intersection by possibly adding both straight through and new turn lanes. The project is being done in conjunction with the Oregon Department of Transportation, who is funding the preliminary design work that is currently underway. Final design and construction will follow as funding is provided.



Pacific Hwy/Gaarde St./McDonald St. Improvements				Location Citywide		Funding Status Fully Funded		Project Manager(s) Mike McCarthy Public Works	
	Actual 2009–10	Revised 2010–11	Projected 2010–11	2011–12	2012–13	2013–14	2014–15	2015–16	PROJECTED TOTAL
<b>EXTERNAL EXPENSES</b>									
Land/Right of Way Acquisition	0	0	0	\$233,333	\$166,667	0	0	0	<b>\$400,000</b>
Design and Engineering	0	0	0	\$73,485	\$54,545	\$13,636	0	0	<b>\$141,666</b>
Construction	0	0	0	0	0	\$200,000	\$200,000	0	<b>\$400,000</b>
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$306,818</b>	<b>\$221,212</b>	<b>\$213,636</b>	<b>\$200,000</b>	<b>0</b>	<b>\$941,666</b>
<b>INTERNAL EXPENSES</b>									
Project Management	0	0	0	\$21,053	\$21,053	\$21,053	\$21,053	\$3,509	<b>\$87,721</b>
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$21,053</b>	<b>\$21,053</b>	<b>\$21,053</b>	<b>\$21,053</b>	<b>\$3,509</b>	<b>\$87,721</b>
<b>TOTAL PROJECT EXPENSE</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$327,871</b>	<b>\$242,265</b>	<b>\$234,689</b>	<b>\$221,053</b>	<b>\$3,509</b>	<b>\$1,029,387</b>
<b>REVENUE FUNDING SOURCE</b>									
Transportation Development Tax	0	0	0	\$327,871	\$242,265	\$234,689	\$221,053	\$3,509	<b>\$1,029,387</b>
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$327,871</b>	<b>\$242,265</b>	<b>\$234,689</b>	<b>\$221,053</b>	<b>\$3,509</b>	<b>\$1,029,387</b>
<b>OTHER REVENUE SOURCE</b>									
Oregon Department of Transportation	0	0	0	\$1,610,068	\$1,399,841	\$2,407,417	\$2,271,053	\$3,509	<b>\$7,691,888</b>
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$1,610,068</b>	<b>\$1,399,841</b>	<b>\$2,407,417</b>	<b>\$2,271,053</b>	<b>\$3,509</b>	<b>\$7,691,888</b>

## Crosswalk Beacon Upgrade

Upgrade the pedestrian signals at three intersections to eliminate in pavement lights and install overhead signal lights. Locations that are being considered for the upgrade are Walnut Street at Grant Street, Bonita Road at Milton Court, 121st Avenue at Katherine Street, and 68th Avenue south of Hampton Street.



Crosswalk Beacon Upgrade				Location	Funding Status				Project Manager(s)
	Actual 2009–10	Revised 2010–11	Projected 2010–11	To Be Determined	Fully Funded				Mike McCarthy Public Works
	Actual 2009–10	Revised 2010–11	Projected 2010–11	2011–12	2012–13	2013–14	2014–15	2015–16	PROJECTED TOTAL
<b>EXTERNAL EXPENSES</b>									
Design and Engineering	0	0	0	\$5,000	0	0	0	0	\$5,000
Construction	0	0	0	\$70,000	0	0	0	0	\$70,000
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$75,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$75,000</b>
<b>INTERNAL EXPENSES</b>									
Project Management	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>TOTAL PROJECT EXPENSE</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$75,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>REVENUE FUNDING SOURCE</b>									
Gas Tax	0	0	0	\$75,000	0	0	0	0	\$75,000
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$75,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$75,000</b>
<b>OTHER REVENUE SOURCE</b>									
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## 72<sup>nd</sup> Avenue/Dartmouth Street Intersection Improvement

This project will fund a reimbursement district to signalize the intersection of 72nd Avenue and Dartmouth Street. The intersection is currently configured as an “all-way stop” and is one of the most heavily traveled intersections in Tigard.



Intersection Improvement				Location 72nd Avenue & Dartmouth Street		Funding Status Fully Funded		Project Manager(s) Mike McCarthy Public Works	
	Actual 2009 – 10	Revised 2010 – 11	Projected 2010 – 11	2011 – 12	2012 – 13	2013 – 14	2014 – 15	2015 – 16	PROJECTED TOTAL
<b>EXTERNAL EXPENSES</b>									
Design and Engineering	0	0	0	\$50,000	0	0	0	0	\$50,000
Construction	0	0	0	0	\$400,000	0	0	0	\$400,000
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$50,000</b>	<b>\$400,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$450,000</b>
<b>INTERNAL EXPENSES</b>									
Project Management	0	0	0	\$5,000	\$5,000	0	0	0	\$10,000
Construction Management	0	0	0	0	\$40,000	0	0	0	\$40,000
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$5,000</b>	<b>\$45,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$50,000</b>
<b>TOTAL PROJECT EXPENSE</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$55,000</b>	<b>\$445,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$500,000</b>
<b>REVENUE FUNDING SOURCE</b>									
Traffic Impact Fee	0	0	0	\$55,000	\$445,000	0	0	0	\$500,000
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$55,000</b>	<b>\$445,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$500,000</b>
<b>OTHER REVENUE SOURCE</b>									
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## Utility Undergrounding

This program funds the work needed to move utility wires (power, phone and cable TV) underground. The funds are derived from a fee paid by developers where moving overhead wires underground is not feasible for a single development. By aggregating the funds from several developments larger projects can be completed. This program funded installation of conduits and vaults needed undergrounding of the overhead wires along Burnham Street. During the next five years the funds will be used to move overhead wires underground on other streets in Tigard as these streets are prioritized.



Utility Undergrounding					Location	Funding Status	Project Manager(s)			
	Actual 2009-10	Revised 2010-11	Projected 2010-11	2011-12	To Be Determined	Fully Funded	Ted Kyle Public Works			
<b>EXTERNAL EXPENSES</b>										
Design and Engineering	0	0	0	0	\$14,583	\$20,417	0	0		<b>\$35,000</b>
Construction	0	0	0	0	0	\$101,000	\$250,000	0		<b>\$351,000</b>
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$14,583</b>	<b>\$121,417</b>	<b>\$250,000</b>	<b>0</b>		<b>\$386,000</b>
<b>INTERNAL EXPENSES</b>										
Project Management	0	0	0	0	\$6,818	\$16,364	\$6,818	0		<b>\$30,000</b>
Construction Management	0	0	0	0	0	\$9,714	\$24,286	0		<b>\$34,000</b>
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$6,818</b>	<b>\$26,078</b>	<b>\$31,104</b>	<b>0</b>		<b>\$64,000</b>
<b>TOTAL PROJECT EXPENSE</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$21,401</b>	<b>\$147,495</b>	<b>\$281,104</b>	<b>0</b>		<b>\$450,000</b>
<b>REVENUE FUNDING SOURCE</b>										
Underground Utility Fund	0	0	0	0	\$24,104	\$147,495	\$281,104	0		<b>\$450,000</b>
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$24,104</b>	<b>\$147,495</b>	<b>\$281,104</b>	<b>0</b>		<b>\$450,000</b>
<b>OTHER REVENUE SOURCE</b>										
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>0</b>

## Main Street/Green Street Retrofit

The Main Street project is a multi-year project including comprehensive redesign and construction of the full length of Main Street. The project is divided into 2 phases. Phase 1 starts at the railroad tracks and proceeds south to Pacific Highway. Phase 2 will start at the railroad tracks and terminate at Scoffins Street, where the Pacific Highway project completed improvements in FY 2010–11. Phase 1, funded through the Metropolitan Transportation Improvement Program (MTIP), reconstructs the street in accordance with Green Street Standards for 1,400 lineal feet of Main Street. 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.



Main Street/Green Street Retrofit	Location			Funding Status				Project Manager(s)	
	Actual 2009–10	Revised 2010–11	Projected 2010–11	2011–12	2012–13	2013–14	2014–15	2015–16	PROJECTED TOTAL
<b>EXTERNAL EXPENSES</b>									
Design and Engineering	\$61,583	\$27,300	\$27,300	\$36,667	\$3,333	0	0	0	<b>\$67,300</b>
Construction	0	0	0	\$55,613	\$406,666	\$66,667	0	0	<b>\$528,946</b>
<b>TOTAL</b>	<b>\$61,583</b>	<b>\$27,300</b>	<b>\$27,300</b>	<b>\$92,280</b>	<b>\$409,999</b>	<b>\$66,667</b>	<b>0</b>	<b>0</b>	<b>\$596,246</b>
<b>INTERNAL EXPENSES</b>									
Project Management	0	\$28,000	\$28,000	\$30,545	\$25,455	0	0	0	<b>\$84,000</b>
<b>TOTAL</b>	<b>0</b>	<b>\$28,000</b>	<b>\$28,000</b>	<b>\$30,545</b>	<b>\$25,455</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$84,000</b>
<b>TOTAL PROJECT EXPENSE</b>	<b>\$61,583</b>	<b>\$55,300</b>	<b>\$55,300</b>	<b>\$122,825</b>	<b>\$435,454</b>	<b>\$66,667</b>	<b>0</b>	<b>0</b>	<b>\$680,246</b>
<b>REVENUE FUNDING SOURCE</b>									
Gas Tax	\$61,583	\$55,300	\$55,300	\$86,158	\$298,788	0	0	0	<b>\$440,246</b>
Water Fund	0	0	0	\$36,667	\$136,666	\$66,667	0	0	<b>\$240,000</b>
<b>TOTAL</b>	<b>\$61,583</b>	<b>\$55,300</b>	<b>\$55,300</b>	<b>\$122,825</b>	<b>\$435,454</b>	<b>\$66,667</b>	<b>0</b>	<b>0</b>	<b>\$680,246</b>
<b>OTHER REVENUE SOURCE</b>									
Metropolitan Transportation Improvement Program	0	\$241,217	\$241,217	\$328,298	\$1,667,494	\$813,333	0	0	<b>\$3,050,342</b>
<b>TOTAL</b>	<b>0</b>	<b>\$241,217</b>	<b>\$241,217</b>	<b>\$32,298</b>	<b>\$1,667,494</b>	<b>\$813,333</b>	<b>0</b>	<b>0</b>	<b>\$3,050,342</b>