

PUBLIC WORKS & SURFACE WATER PROJECTS FY 2008-2009

PUBLIC WORKS & SURFACE WATER CAPITAL IMPROVEMENT PROGRAM BUDGET FY 08-09

PROJECT SUMMARY

Fund 3160.31600

PROJECTS (dollars in \$000)	Prior Years	08-09	Total Appro. thru 08-09	09-10	10-11	Future Yrs	Est. Total
Public Works:							
C00500104 Underground Utility District	\$ 157	\$ 793	\$ 950	\$ 77	\$ 1,691	\$ 1,499	\$ 4,217
C00500106 S. McDowell/Bodega Rehabilitation	3,627	-	3,627	-	-	-	3,627
C00500108 Pedestrian Safety Enhancements	250	-	250	-	-	-	250
C00500207 E Washington/6th St.	2,107	957	3,064	-	-	-	3,064
C00500307 Cypress St./McDowell Reconstruction	53	-	53	2,955	-	-	3,008
C00500800 Highway 116 Widening	108	-	108	-	-	-	108
C00501108 Crinella Street Rehabilitation	-	962	962	-	-	-	962
C00501204 Rainier Ave - Cross Town Conn/Interchange	2,306	2,000	4,306	-	9,020	45,374	58,700
C00501304 Old Redwood Hwy Interchange Widening	3,721	-	3,721	1,500	-	23,254	28,475
C00501404 Citywide Bridge Rehabilitation	742	-	742	-	-	-	742
C00501504 Safe Routes to School	634	-	634	-	-	-	634
C16100901 East Madison Reconstruction	-	124	124	1,000	-	-	1,124
Surface Water:							
C00500103 Railroad Track Relocation	1,430	31	1,461	-	-	-	1,461
C00500208 River Plan - Denman Phase 3	509	20	529	-	-	-	529
C00500308 Stream and Precipitation Gauges	81	-	81	-	-	-	81
C00500704 Storm Dredge Spoils	657	-	657	-	-	-	657
C00500705 Lakeville Channel Improvements	206	-	206	-	-	-	206
C00500804 Storm Drainage Improvements	514	325	839	325	325	325	1,814
C00500805 River Habitat Restoration	221	-	221	-	-	-	221
TOTAL	\$ 17,323	\$ 5,212	\$ 22,535	\$ 5,857	\$ 11,036	\$ 70,452	\$ 109,880

SOURCES (DOLLARS IN \$000)

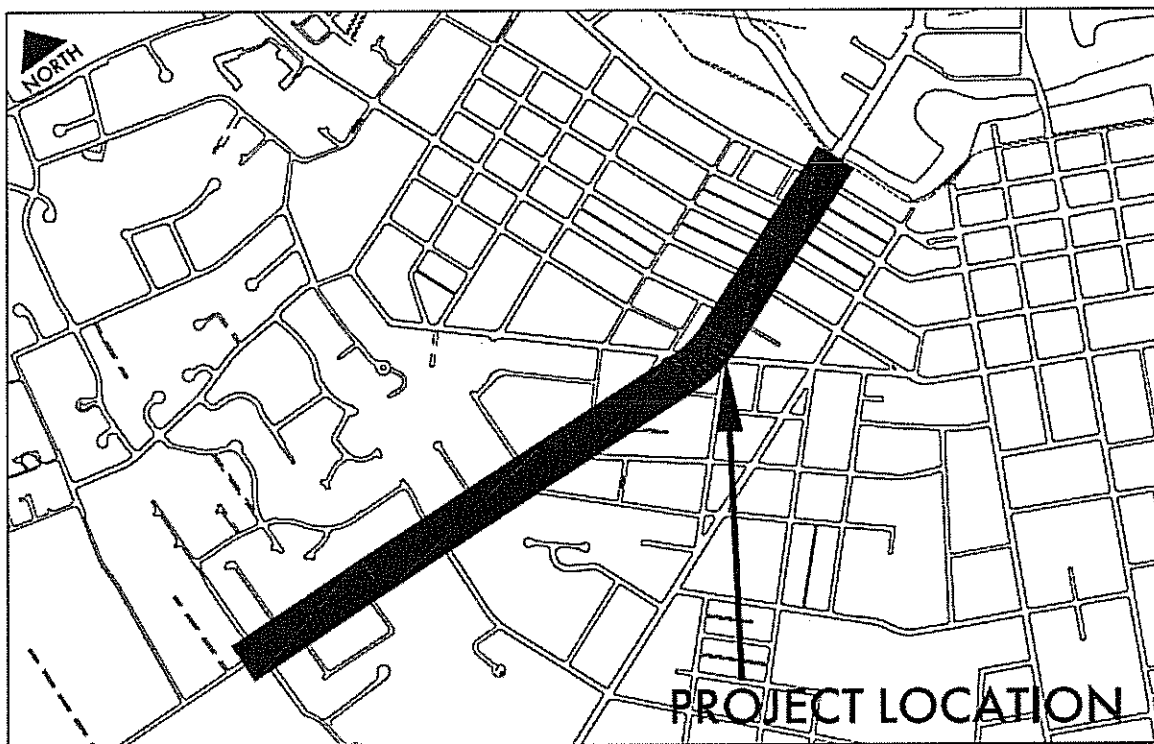
Traffic Mitigation Impact Fees	\$ 3,367	\$ -	\$ 3,367	\$ -	\$ -	\$ 5,000	\$ 8,367
Gas Tax	353	90	443	68	94	264	869
PGE-Rule 20A Credit	66	749	815	9	1,597	1,235	3,656
Fed Grant-ISTEA/Caltrans-CMAQ	2,075	1,873	3,948	-	-	-	3,948
Storm Drainage Impact Fees	3,056	376	3,432	325	325	325	4,407
SCWA Zone 2A Assessments	562	-	562	-	-	-	562
Street Reconstruction Fund	317	124	441	-	-	-	441
Fund 5530 - merged project area	4,000	2,000	6,000	846	7,000	8,254	22,100
Developer Contributions	3,453	-	3,453	654	-	-	4,107
AD 21	74	-	74	-	-	-	74
Measure M	-	-	-	-	-	10,000	10,000
Undetermined	-	-	-	3,955	2,020	45,374	51,349
TOTAL	\$ 17,323	\$ 5,212	\$ 22,535	\$ 5,857	\$ 11,036	\$ 70,452	\$ 109,880

Project Title: Underground Utility District

Project #: C00500104

Underground district (Rule 20A) projects are safety and aesthetic improvements, involving removal of overhead wires, their supporting poles, and the overhead service drops to individual properties. To fund the underground work, PG&E, under the Public Utility Commission Rule 20A, is required to allocate funds to communities to underground existing overhead wires. Petaluma's PG&E allocation for undergrounding was estimated in June 2007 to be over \$3 million, and with future revenues there will be enough to complete this work and more.

Petaluma's underground committee has identified the priority projects. On September 13, 2004 the City Council adopted a Resolution to form an underground utility district on Bodega Avenue, from the City limits to East Washington/Court Streets. On April 2, 2007, the City Council adopted a Resolution amending the time for construction and phasing of the work. Phase 1, from City limits to N. Webster, is anticipated to be completed by July 2010, and Phase 2, from N. Webster to East Washington/Court Streets is scheduled to be completed by the end of 2013. The City Council also included the undergrounding of the intersection of Petaluma Blvd. North and Stony Point Road for 2010/2011.



City of Petaluma, California
 Fiscal Year 2009 Budget

Underground Utility District C00500104
 Fund 3160.31600

	<u>Prior</u>		<u>Total Appro.</u>				<u>Est.</u>
	<u>Years</u>	<u>08-09</u>	<u>thru 08-09</u>	<u>09-10</u>	<u>10-11</u>	<u>Future Yrs</u>	<u>Total</u>
USES (dollars in \$000)							
54110 Design	\$ -	\$ 10	\$ 10	\$ 35	\$ -	\$ -	\$ 45
54151 Construction Contracts	86	749	835	9	1,630	1,413	3,887
54152 Construction Management	-	15	15	5	26	32	78
54153 Administration	60	10	70	20	10	20	120
55011 CIP Overhead	6	4	10	3	20	24	57
57310 Contingency	5	5	10	5	5	10	30
TOTAL	\$ 157	\$ 793	\$ 950	\$ 77	\$ 1,691	\$ 1,499	\$ 4,217

SOURCES (dollars in \$000)							
Gas Tax	\$ 91	\$ 44	\$ 135	\$ 68	\$ 94	\$ 264	\$ 561
PGE-Rule 20A Credit	66	749	815	9	1,597	1,235	3,656
TOTAL	\$ 157	\$ 793	\$ 950	\$ 77	\$ 1,691	\$ 1,499	\$ 4,217

Project Title: S. McDowell and Bodega Ave. Road Pavement Maintenance/Rehabilitation Project

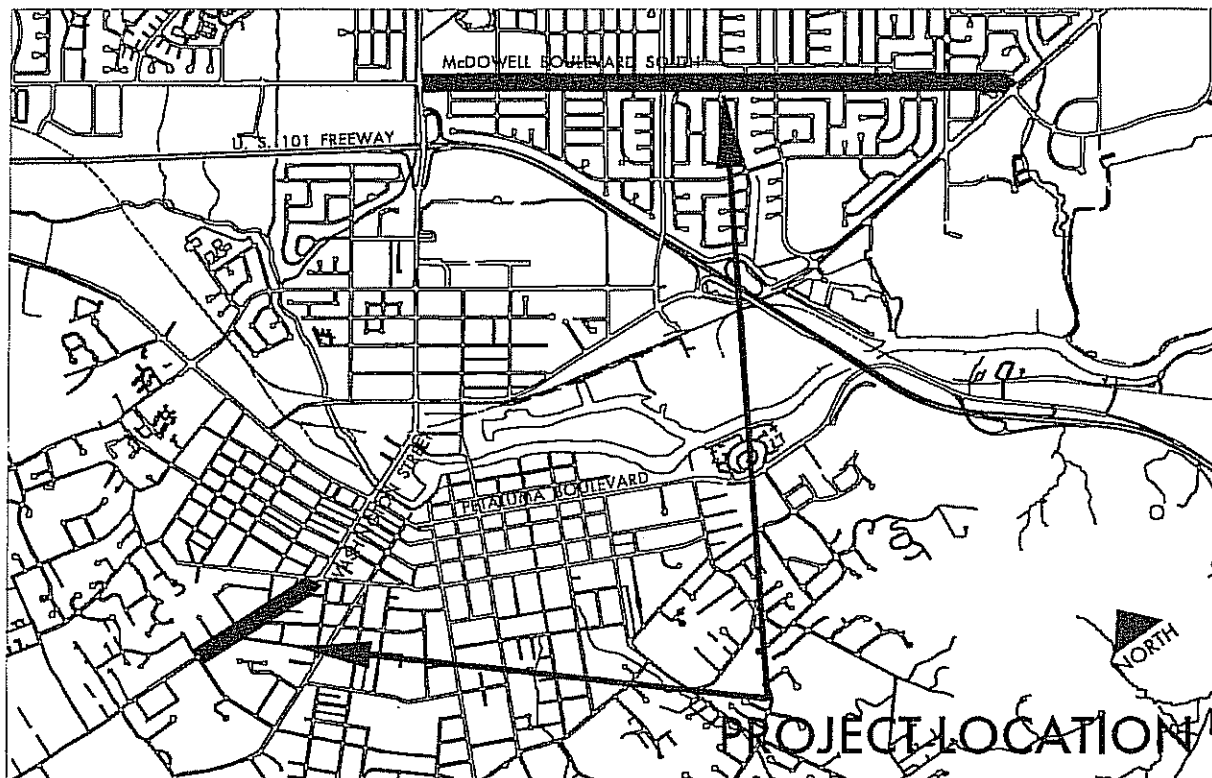
Project #: C00500106

This federally funded road rehabilitation and surface transportation project will provide pavement maintenance and rehabilitation on South McDowell Boulevard from Lakeville Highway to East Washington, and Bodega Avenue from North Webster to Howard Street. The work is being coordinated with the Bodega Avenue Rule 20A undergrounding project.

The federal funding was awarded in early 2005, prior to recent significant increases in construction costs, and additional ADA considerations. Federal funding requires that the entire scope of work identified in the funding authorization be constructed regardless of the actual costs.

This Project is currently being constructed and is expected to be completed by summer of 2008.

Additionally, a round-about at Baywood and McDowell has been added to this project, as a pedestrian safety improvement. The round-about is funded in part by Transportation for Clean Air (TFCA) grant funds.



S. McDowell/Bodega Rehabilitation Fund C00500106
 3160.31600

	Prior Years	08-09	Total Appro. thru 08-09	09-10	10-11	Future Yrs	Est. Total
USES (dollars in \$000)							
54110 Design	\$ 120	\$ -	\$ 120	\$ -	\$ -	\$ -	\$ 120
54150 Planning/Environmental	5	-	5	-	-	-	5
54151 Construction Contracts	2,852	-	2,852	-	-	-	2,852
54152 Construction Management	170	-	170	-	-	-	170
54153 Administration	80	-	80	-	-	-	80
55011 CIP Overhead	173	(35)	138	-	-	-	138
57310 Contingency	227	35	262	-	-	-	262
TOTAL	\$ 3,627	\$ -	\$ 3,627	\$ -	\$ -	\$ -	\$3,627
SOURCES (dollars in \$000)							
Traffic Mitigation Impact Fees	\$ 1,482	-	\$ 1,482	\$ -	\$ -	\$ -	\$1,482
Gas Tax	200	-	200	-	-	-	200
Fed Grant-ISTEA/Caltrans-CMAQ	1,628	-	1,628	-	-	-	1,628
Street Reconstruction Fund	317	-	317	-	-	-	317
TOTAL	\$ 3,627	\$ -	\$ 3,627	\$ -	\$ -	\$ -	\$3,627

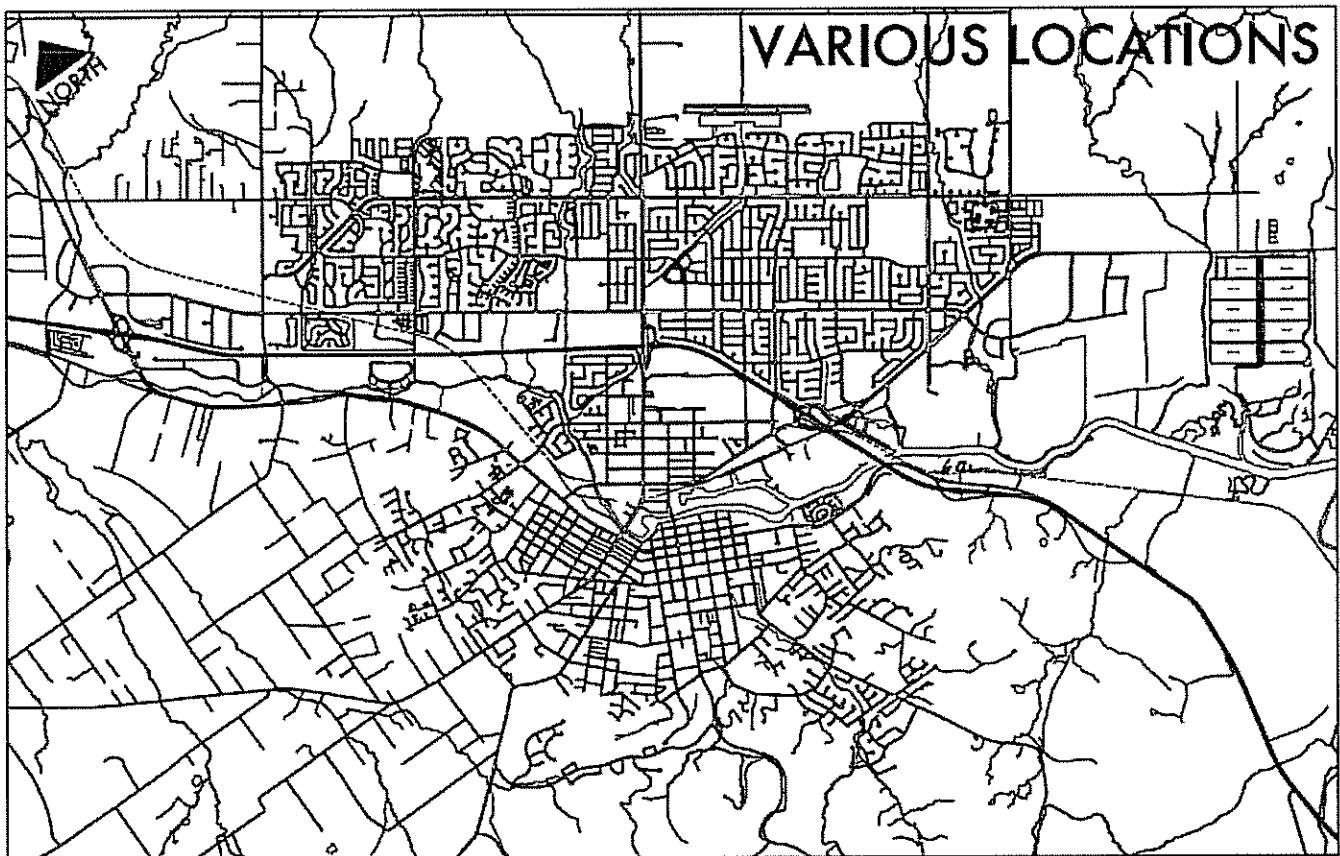
CALCULATION OF FUTURE SAVINGS

For the last five years, the General Fund has contributed \$5 million to improving the poor quality of City streets. Having an ongoing repair and maintenance program should keep streets improved to a level where only Gas Tax and Grant monies will be needed. Last year, the General Fund operating contributed \$500,000 to this effort. In FY 2007-08, no General Fund contribution is needed.

Project Title: Pedestrian Safety Enhancements

Project #: C00500108

A citywide survey of pedestrian crossing will be completed to assess potential safety improvements. The survey will focus primarily on mid-block and atypical crosswalk locations. A prioritized list of projects along with an estimated construction cost will be created. The project will be implementation according to priority and availability of funds.



Pedestrian Safety Enhancements C00500108
 Fund 3160.31600

	Prior Years	08-09	Total Appro. thru 08-09	09-10	10-11	Future Yrs	Est. Total
USES (dollars in \$000)							
54110 Design	\$ 20	\$ -	\$ 20	\$ -	\$ -	\$ -	\$ 20
54151 Construction Contracts	200	-	200	-	-	-	200
55011 CIP Overhead	12	-	12	-	-	-	12
57310 Contingency	18	-	18	-	-	-	18
TOTAL	\$ 250	\$ -	\$ 250	\$ -	\$ -	\$ -	\$ 250
SOURCES (dollars in \$000)							
Traffic Mitigation Impact Fees	\$ 250	\$ -	\$ 250	\$ -	\$ -	\$ -	\$ 250
TOTAL	\$ 250	\$ -	\$ 250	\$ -	\$ -	\$ -	\$ 250

CALCULATION OF FUTURE SAVINGS

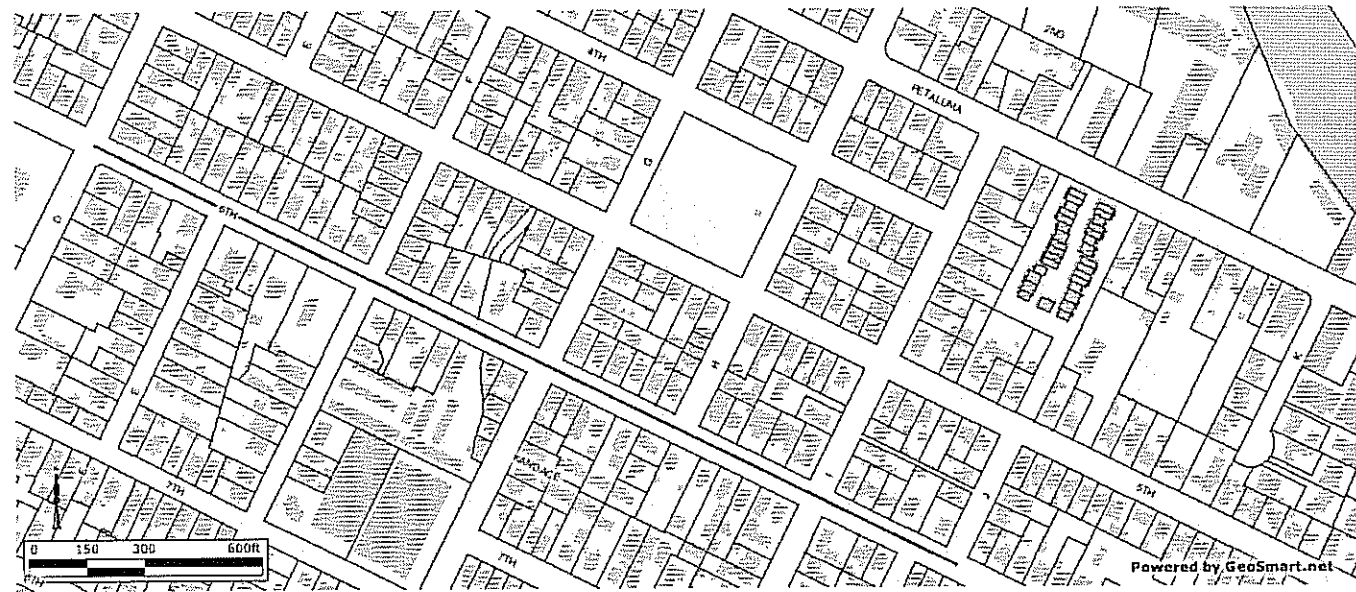
All cities have injury claims filed against them for trip and fall accidents. Improving City intersections has shown to decrease these claims which are usually covered by the General Fund. Improved safety also saves staff-related expenses. The Police Department can utilize staff in ways other than taking accident reports.

Project Title: Washington Street – Howard Street to Petaluma River and 6th Street to J Street Pavement Rehabilitation

Project #: C00500207

This federally funded project rehabilitates 6th Street, between D to J Streets, and Washington Street, from Howard Street to Petaluma River.

Design will occur in FY 07/08 and construction in FY 08/09.



E Washington/6th St.
 Fund

C00500207
 3160.31600

	Prior Years	08-09	Total Appro. thru 08-09	09-10	10-11	Future Yrs	Est. Total
USES (dollars in \$000)							
54110 Design	\$ 14	\$ -	\$ 14	\$ -	\$ -	\$ -	\$ 14
54150 Planning/Environmental	40	-	40	-	-	-	40
54151 Construction Contracts	1,482	957	2,439	-	-	-	2,439
54152 Construction Management	130	-	130	-	-	-	130
54153 Administration	145	-	145	-	-	-	145
55011 CIP Overhead	100	-	100	-	-	-	100
57310 Contingency	196	-	196	-	-	-	196
TOTAL	\$ 2,107	\$ 957	\$ 3,064	\$ -	\$ -	\$ -	\$ 3,064

SOURCES (dollars in \$000)							
Traffic Mitigation Impact Fees	\$ 93	\$ -	\$ 93	\$ -	\$ -	\$ -	\$ 93
Gas Tax	14	-	14	-	-	-	14
Fed Grant-ISTEA/Caltrans-CMAQ	-	957	957	-	-	-	957
Fund 5530 - merged project area	2,000	-	2,000	-	-	-	2,000
TOTAL	\$ 2,107	\$ 957	\$ 3,064	\$ -	\$ -	\$ -	\$ 3,064

CALCULATION OF FUTURE SAVINGS

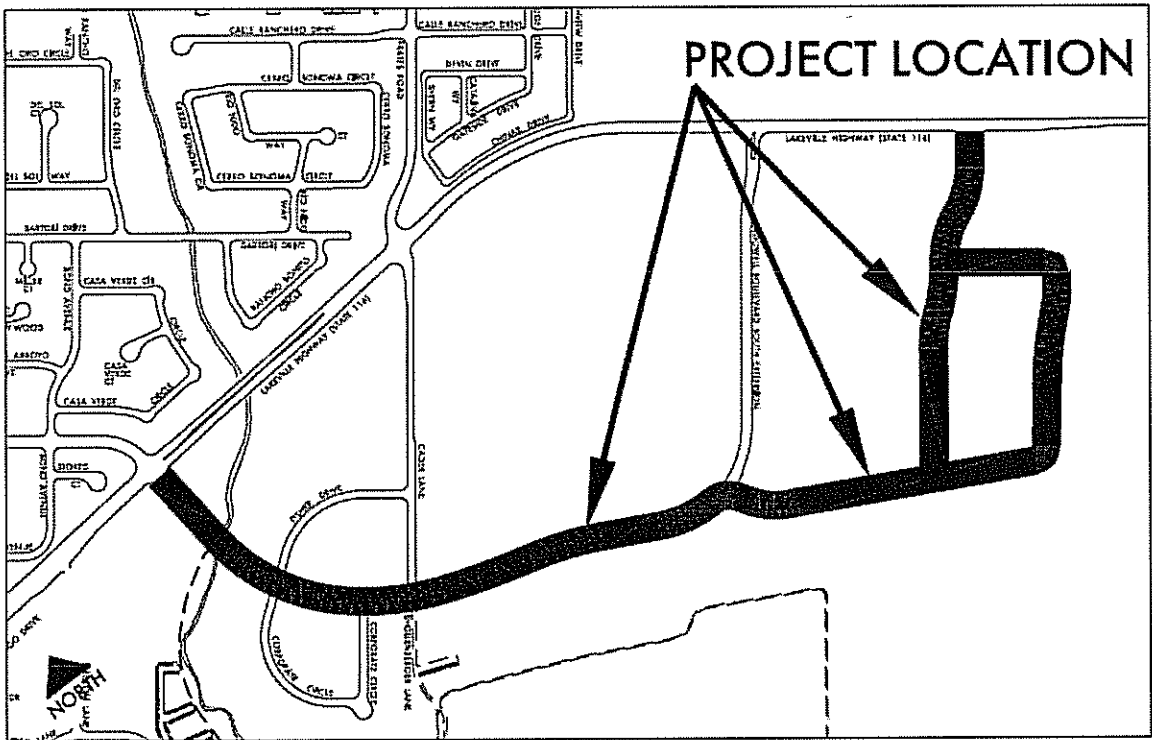
Improve traffic safety, thus needing less Police involvement and decreased operating maintenance costs for Water/Wastewater.

Project Title: Cypress & McDowell Pavement Reconstruction

Project #: C00500307

The project area includes South McDowell from Lakeville Highway to Cypress Drive, Cypress from S. McDowell to Pineview, and Pineview from Cypress to Lakeville Highway. The project entails roadway reconstruction and modifying sidewalk ramps at corners to meet ADA compliance standards.

The current pavement section is failing, and minor repairs are being made by Water Resources as part of the Ellis Creek Waste Water Treatment Plant project. The Ellis Creek project necessitates the use of this roadway by up to 50 concrete and other heavy construction trucks throughout the construction process. Full reconstruction of the street will occur after the Ellis Creek project construction traffic is concluded.



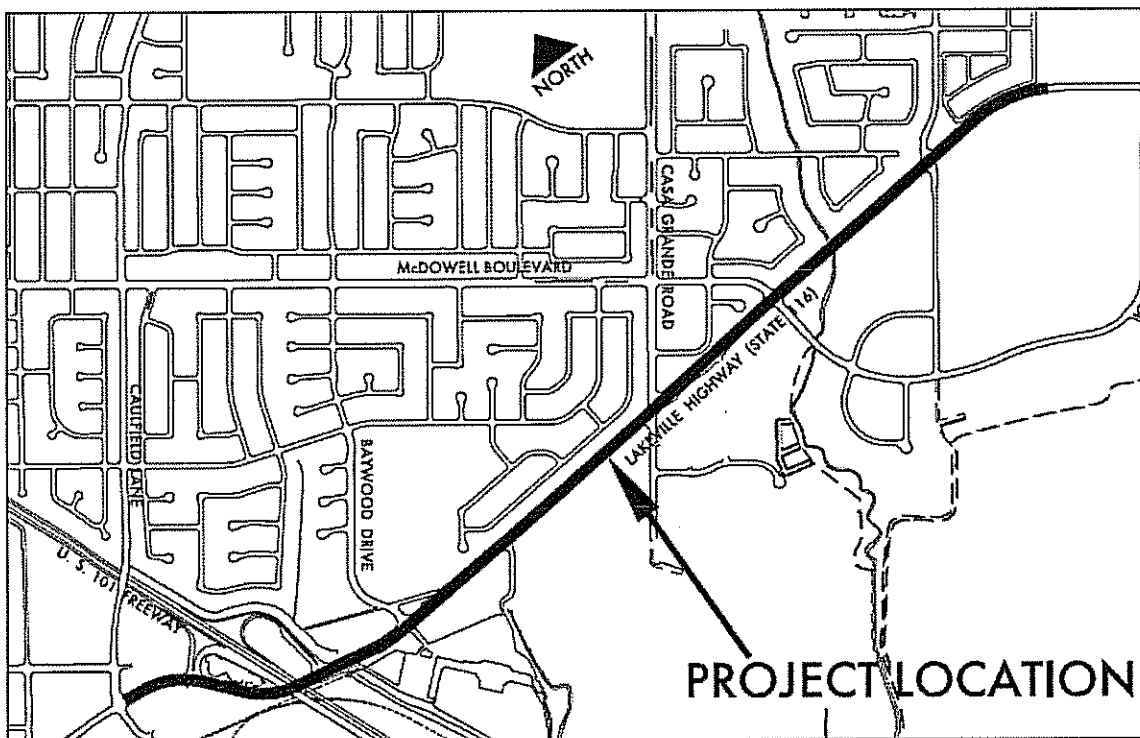
Project Title: Highway 116 Widening

Project #: C00500800

The Lakeville Highway widening project was completed in July of 1998 for \$12,658,554. The City maintains the landscaping and streetlights. Caltrans maintains the roadway, traffic signals, sound walls, and drainage systems.

Caltrans has requested modifications to the project's right-of-way documents, which describe what portions of the project's right-of-way, were transferred from the City of Petaluma to the State. Caltrans has also requested that the current maintenance agreement between the State and the City be updated to cover the recent improvements to the road by the City of Petaluma.

The closeout project funds provide for preparing and revising the right-of-way maps and documents, recording documents, transferring 53 parcels to Caltrans, and finalizing the "as-built" drawings.



Highway 116 Widening
 Fund C00500800
 3160.31600

	Prior Years	08-09	Total Appro. thru 08-09	09-10	10-11	Future Yrs	Est. Total
USES (dollars in \$000)							
54153 Administration	103	-	103	-	-	-	103
55011 CIP Overhead	5	-	5	-	-	-	5
TOTAL	\$ 108	\$ -	\$ 108	\$ -	\$ -	\$ -	\$ 108
SOURCES (dollars in \$000)							
Traffic Mitigation Impact Fees	\$ 103	\$ -	\$ 103	\$ -	\$ -	\$ -	\$ 103
Gas Tax	5	-	5	-	-	-	5
TOTAL	\$ 108	\$ -	\$ 108	\$ -	\$ -	\$ -	\$ 108

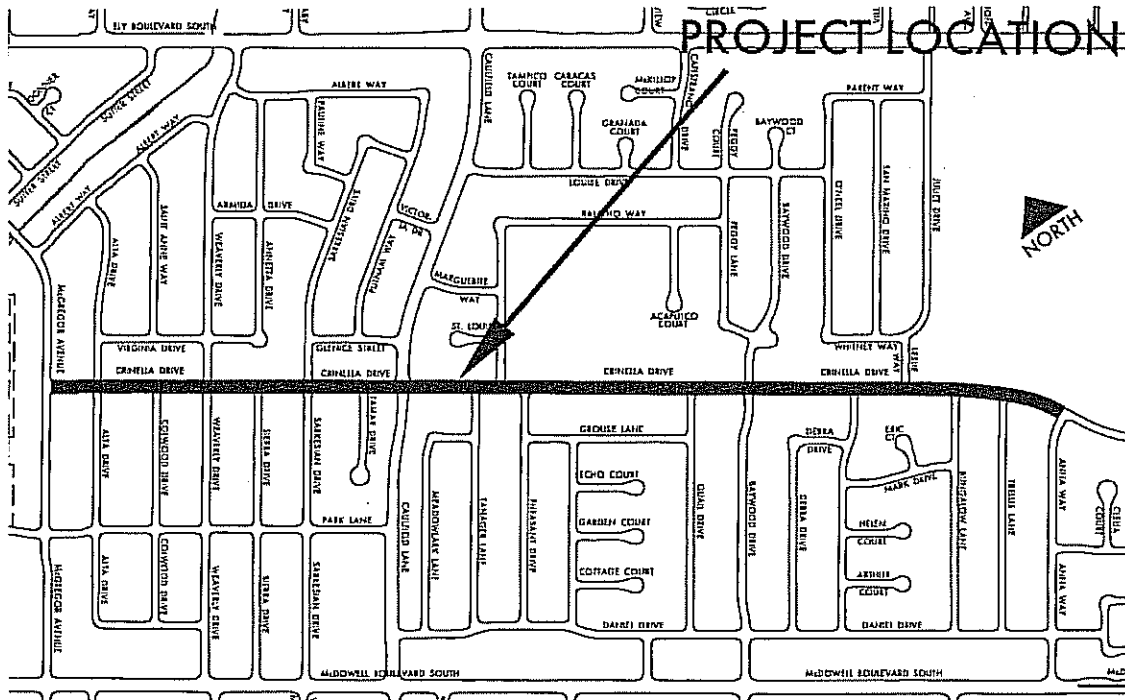
CALCULATION OF FUTURE SAVINGS

City's street maintenance General Fund allocation will increase to maintain infrastructure.

Project Title: Crinella Street Rehabilitation

Project #: C00501108

Proposition 1B, Local Street and Road fund, provided \$919,000 to the City of Petaluma for expenditure by June 30, 2011. City Council approved the use of these funds to rehabilitate Crinella Street from approximately McGregor to Anna Way.



Crinella Street Rehabilitation
 Fund C00501108
 3160.31600

	Prior Years	08-09	Total Appro. thru 08-09	09-10	10-11	Future Yrs	Est. Total
USES (dollars in \$000)							
54110 Design	\$ -	\$ 90	\$ 90	\$ -	\$ -	\$ -	\$ 90
54120 Legal Counsel	-	5	5	-	-	-	5
54150 Planning/Environmental	-	5	5	-	-	-	5
54151 Construction Contracts	-	650	650	-	-	-	650
54152 Construction Management	-	71	71	-	-	-	71
54153 Administration	-	5	5	-	-	-	5
55011 CIP Overhead	-	46	46	-	-	-	46
57310 Contingency	-	90	90	-	-	-	90
TOTAL	\$ -	\$ 962	\$ 962	\$ -	\$ -	\$ -	\$ 962
SOURCES (dollars in \$000)							
Gas Tax	\$ -	\$ 46	\$ 46	\$ -	\$ -	\$ -	\$ 46
Fed Grant-ISTEA/Caltrans-CMAQ	-	916	916	-	-	-	916
TOTAL	\$ -	\$ 962	\$ 962	\$ -	\$ -	\$ -	\$ 962

FUTURE MAINTENANCE OF CAPITAL IMPROVEMENT PROJECT

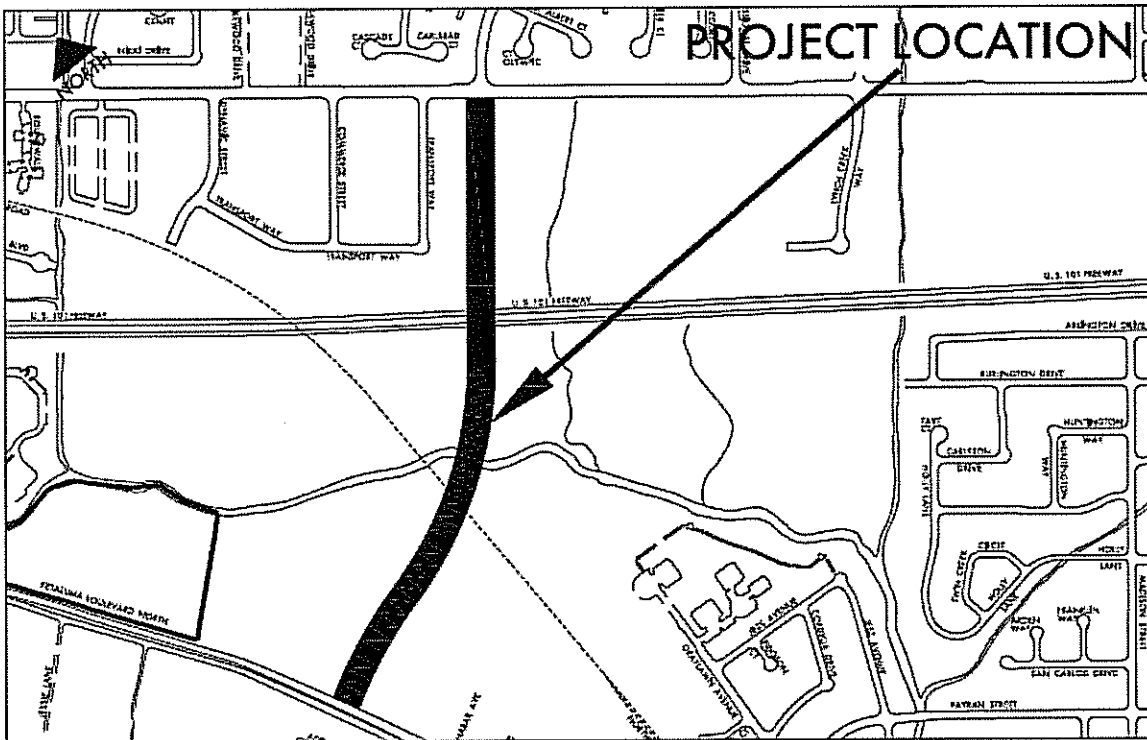
Project Title: Rainier Avenue Cross-town Connector and Interchange

Project #: C00501204

This project funds construction of a new connector over and/or under the existing Highway 101 that bisects the City. The project could include either improving an existing Highway 101 crossing, or constructing a new crossing.

Funds currently identified for this project include previously-paid developer contributions, \$10M from PCDC. Additional funding sources are yet to be determined.

A project study report is being prepared to determine the project scope, cost and timeline. This report will be reviewed and approved by Cal Trans.



City of Petaluma, California
 Fiscal Year 2009 Budget

Rainier Ave - Cross Town Conn/Interchange
 Fund C00501204
 3160.31600

	Prior Years	08-09	Total Appro. thru 08-09	09-10	10-11	Future Yrs	Est. Total
USES (dollars in \$000)							
54110 Design	\$ 188	\$ 1,000	\$ 1,188	\$ -	\$ 2,106	\$ -	\$ 3,294
54150 Planning/Environmental	2,066	890	2,956	-	-	-	2,956
54151 Construction Contracts			-	-	-	31,300	31,300
54152 Construction Management			-	-	-	6,200	6,200
54153 Administration	20	-	20	-	-	-	20
55011 CIP Overhead	32	110	142	-	430	2,162	2,734
57310 Contingency	-	-	-	-	-	5,712	5,712
62110 Land and Easements	-	-	-	-	6,484	-	6,484
TOTAL	\$ 2,306	\$ 2,000	\$ 4,306	\$ -	\$ 9,020	\$ 45,374	\$ 58,700
SOURCES (dollars in \$000)							
Fund 5530 - merged project area	\$ 1,000	\$ 2,000	\$ 3,000	\$ -	\$ 7,000	\$ -	\$ 10,000
Developer Contributions	1,306	-	1,306	-	-	-	1,306
Undetermined	-	-	-	-	2,020	45,374	47,394
TOTAL	\$ 2,306	\$ 2,000	\$ 4,306	\$ -	\$ 9,020	\$ 45,374	\$ 58,700

CALCULATION OF FUTURE SAVINGS

Unknown.

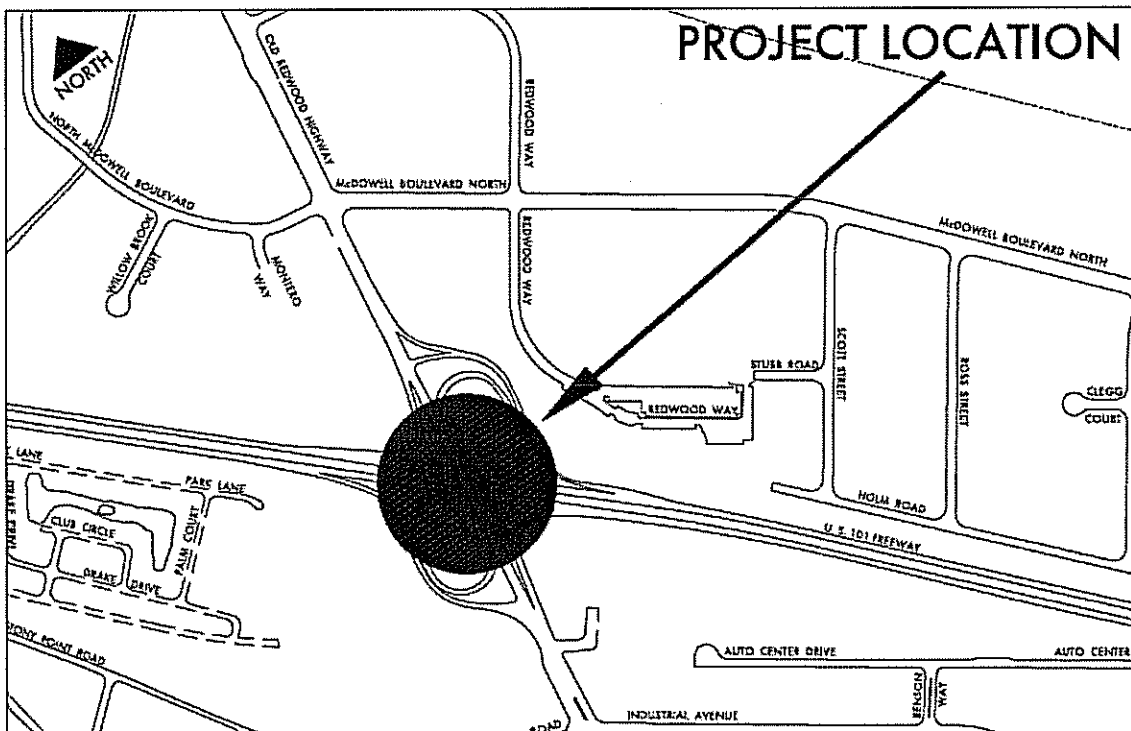
Project Title: Old Redwood Highway Interchange Widening

Project #: C00501304

This project provides for widening the existing Old Redwood Highway at Highway 101. Interchange improvements are also included to provide better traffic flow on and off Highway 101.

Funding for this project is to be provided by developer contributions, traffic mitigation fees, PCDC contributions and Measure M funding. The \$10M of Measure M (approved by the voters in November 2004) will be received once construction commences, expected to be FY 2011/12, or later.

A project study report is being prepared to determine the project scope, cost and timeline. This report will be reviewed and approved by Caltrans.



Old Redwood Hwy Interchange Widening C00501304
 Fund 3160.31600

	Prior Years	08-09	Total Appro. thru 08-09	09-10	10-11	Future Yrs	Est. Total
USES (dollars in \$000)							
54110 Design	\$ 2,101	\$ -	\$ 2,101	\$ -	\$ -	\$ -	\$ 2,101
54150 Planning/Environmental	1,150	-	1,150	-	-	-	1,150
54151 Construction Contracts	-	-	-	-	-	18,500	18,500
54152 Construction Management	-	-	-	-	-	3,654	3,654
54153 Administration	-	-	-	-	-	20	20
55011 CIP Overhead	58	-	58	200	-	1,034	1,292
57310 Contingency	412	-	412	50	-	46	508
62110 Land and Easements	-	-	-	1,250	-	-	1,250
TOTAL	\$ 3,721	\$ -	\$ 3,721	\$ 1,500	\$ -	\$ 23,254	\$ 28,475
SOURCES (dollars in \$000)							
Traffic Mitigation Impact Fees	\$ 500	\$ -	\$ 500	\$ -	\$ -	\$ 5,000	\$ 5,500
Fund 5530 - merged project area	1,000	-	1,000	846	-	8,254	10,100
Developer Contributions	2,147	-	2,147	654	-	-	2,801
AD 21	74	-	74	-	-	-	74
Measure M	-	-	-	-	-	10,000	10,000
TOTAL	\$ 3,721	\$ -	\$ 3,721	\$ 1,500	\$ -	\$ 23,254	\$ 28,475

CALCULATION OF FUTURE SAVINGS

Unknown.

Project Title: Citywide Bridge Rehabilitation

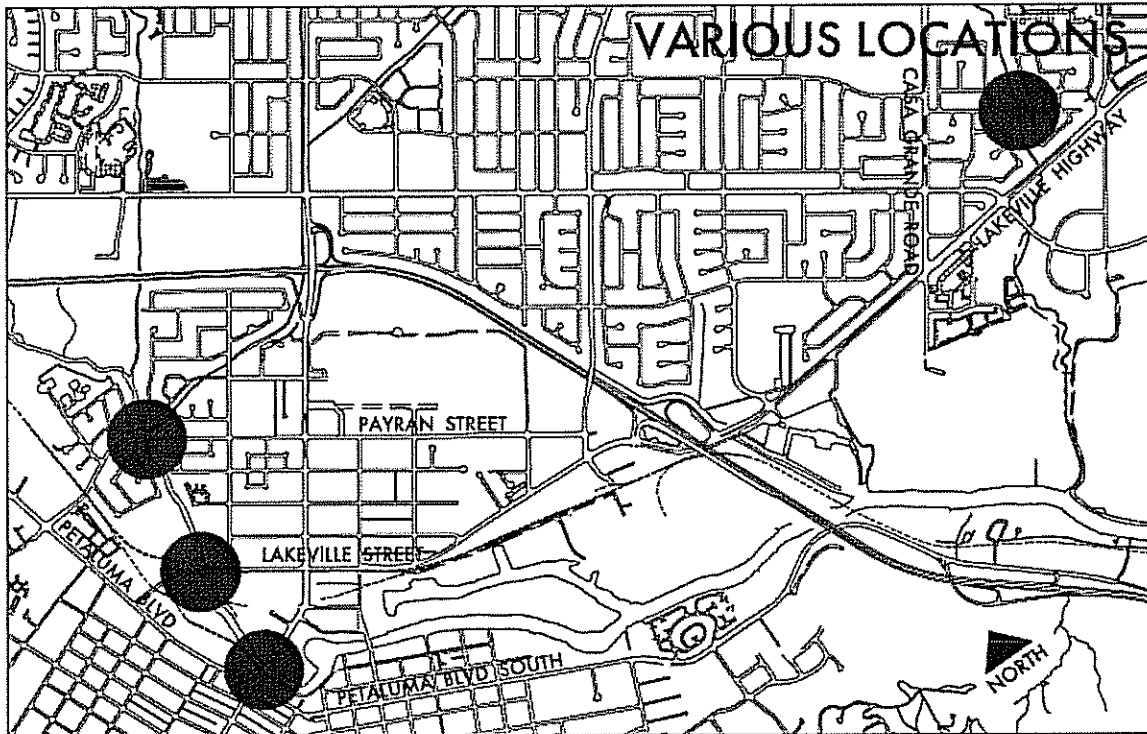
Project #: C00501404

Caltrans Bridge Maintenance Department bi-annually inspects bridges within the City. These reports rate the condition of each structure and identify work that is recommended to maintain the structure's integrity.

The Washington Street Bridge, over the Petaluma River, needs the approaches to the structure rebuilt, and repair to the piles supporting the bridge, where spalling has occurred. Additionally, a bridge deck surface treatment, to maintain the integrity of the deck, is recommended. Work on the Washington Street Bridge is a high priority.

In addition, the following bridges require a deck surface treatment: Sartori Street Bridge, over Adobe Creek, Lakeville Street Bridge and Payran Street Bridge, both over the Petaluma River. Work on these bridges will only occur if their costs fall within this proposed budget.

Two separate construction contracts are anticipated to be completed Summer 2008.



Citywide Bridge Rehabilitation
 Fund

C00501404
 3160.31600

	<u>Prior</u>	<u>08-09</u>	<u>Total Appro.</u>	<u>09-10</u>	<u>10-11</u>	<u>Future Yrs</u>	<u>Est.</u>
	<u>Years</u>		<u>thru 08-09</u>				<u>Total</u>
USES (dollars in \$000)							
54110 Design	\$ 126	\$ -	\$ 126	\$ -	\$ -	\$ -	\$ 126
54150 Planning/Environmental	36	-	36	-	-	-	36
54151 Construction Contracts	475	-	475	-	-	-	475
54152 Construction Management	25	-	25	-	-	-	25
54160 Contract Employees	10	-	10	-	-	-	10
55011 CIP Overhead	35	-	35	-	-	-	35
57310 Contingency	35	-	35	-	-	-	35
TOTAL	\$ 742	\$ -	\$ 742	\$ -	\$ -	\$ -	\$ 742
SOURCES (dollars in \$000)							
Traffic Mitigation Impact Fees	\$ 742	\$ -	\$ 742	\$ -	\$ -	\$ -	\$ 742
TOTAL	\$ 742	\$ -	\$ 742	\$ -	\$ -	\$ -	\$ 742

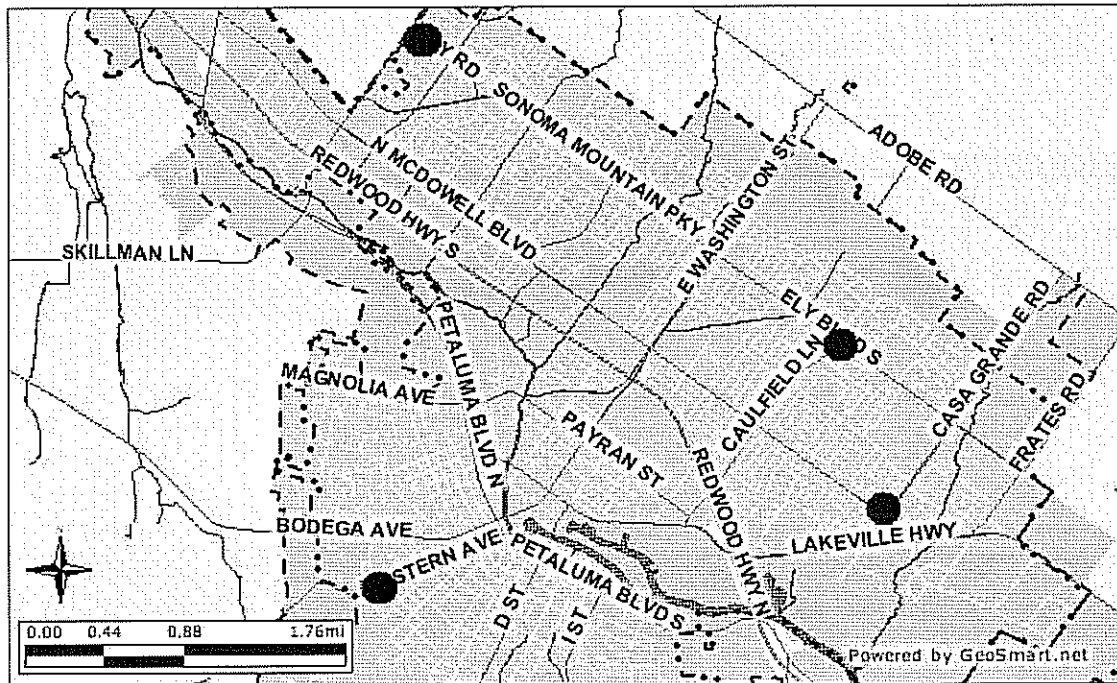
CALCULATION OF FUTURE SAVINGS

Unknown.

Project Title: Safe Routes to School

Project #: C00501504

Phase 1 (FY 04/05) prepared the Safe Routes to School Program, identifying the program's needs, and submitting a grant application for federal funding. The project calls for installation of pedestrian improvements at ten uncontrolled crosswalks adjacent to 9 public schools. Improvements include in-pavement lights at crosswalks, pedestrian ramp/curb cuts, pavement markings and signs.



Safe Routes to School
 Fund

C00501504
 3160.31600

	Prior Years	08-09	Total Appro. thru 08-09	09-10	10-11	Future Yrs	Est. Total
USES (dollars in \$000)							
54110 Design	\$ 116	\$ -	\$ 116	\$ -	\$ -	\$ -	\$ 116
54151 Construction Contracts	372	-	372	-	-	-	372
54152 Construction Management	105	-	105	-	-	-	105
54153 Administration	10	-	10	-	-	-	10
55011 CIP Overhead	31	-	31	-	-	-	31
TOTAL	\$ 634	\$ -	\$ 634	\$ -	\$ -	\$ -	\$ 634

SOURCES (dollars in \$000)							
Traffic Mitigation Impact Fees	\$ 144	\$ -	\$ 144	\$ -	\$ -	\$ -	\$ 144
Gas Tax	43	-	43	-	-	-	43
* Fed Grant-ISTEA/Caltrans-CMAQ	447	-	447	-	-	-	447
TOTAL	\$ 634	\$ -	\$ 634	\$ -	\$ -	\$ -	\$ 634

* Prior year grant funds of \$345,000 not transferred.

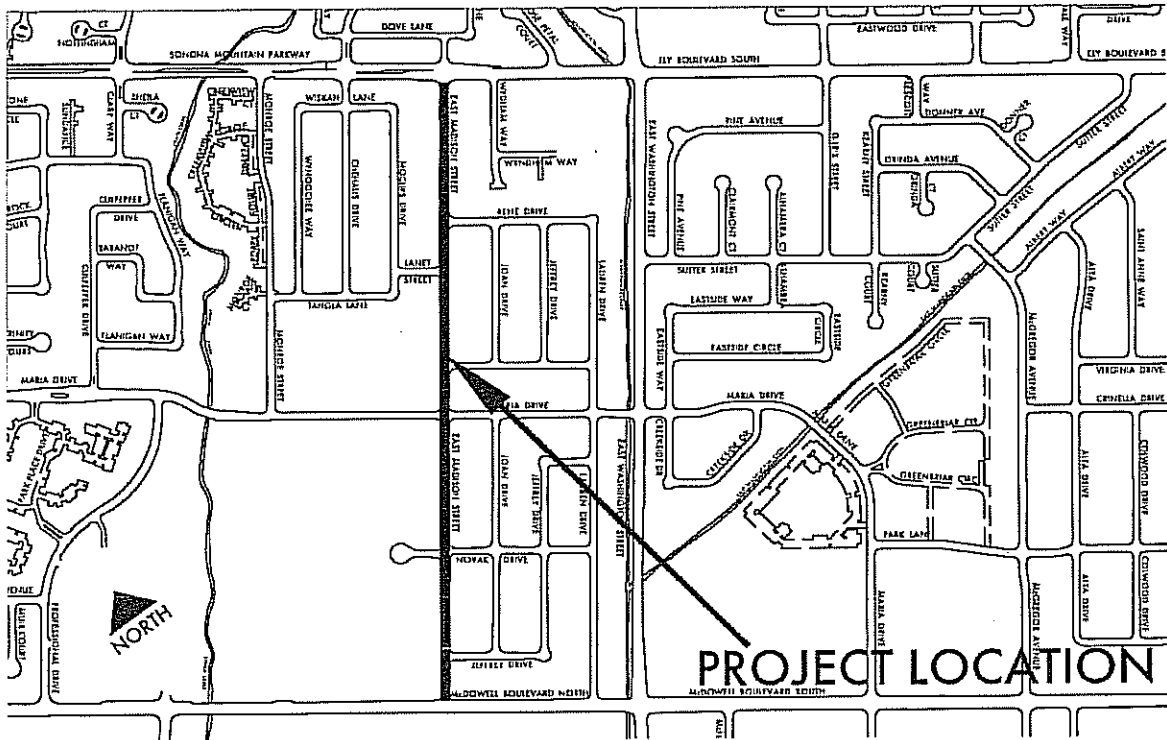
CALCULATION OF FUTURE SAVINGS

Currently, the Police Department monitors seven of the nine schools to ensure safety prior to school starting and in the afternoon. Correcting crosswalks will enable the Police to be released from this responsibility for the 3 middle schools, freeing six hours per day for other Police duties.

Project Title: East Madison Pavement Reconstruction

Project #: C16100901

East Madison Street will be reconstructed or rehabilitated as determined through the design process. In addition ADA improvements will be made.



City of Petaluma, California
 Fiscal Year 2009 Budget

East Madison Reconstruction Fund C16100901
 3160.31600

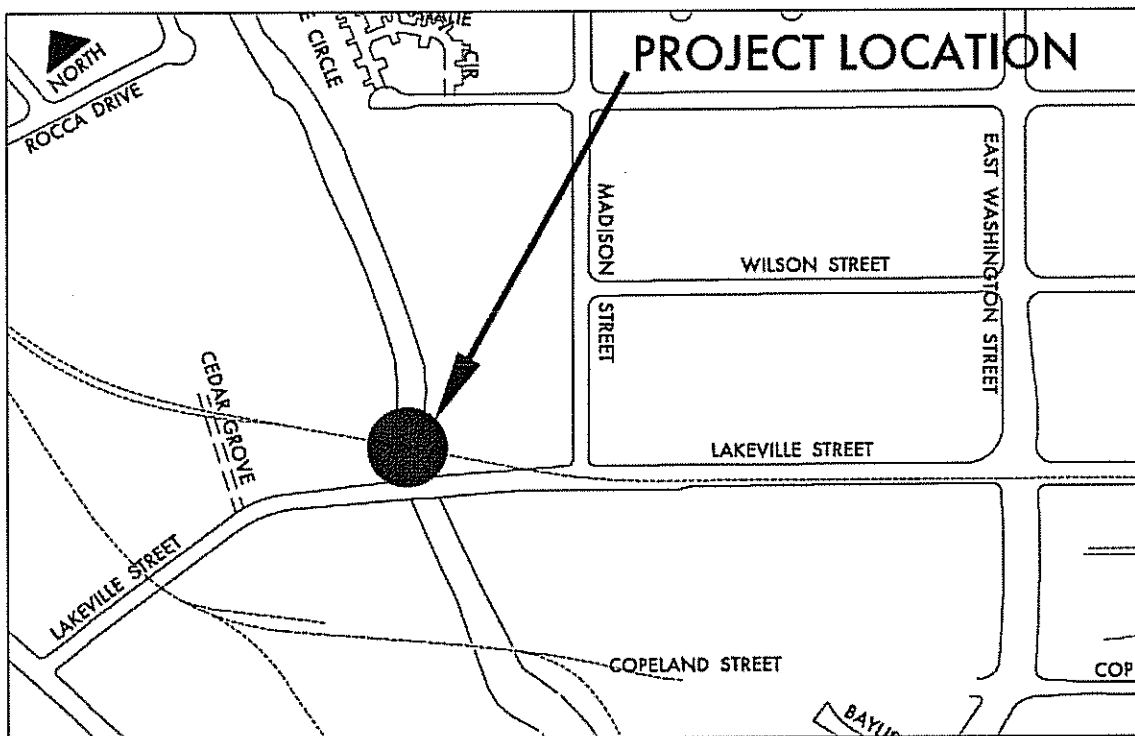
	Prior Years	08-09	Total Appro. thru 08-09	09-10	10-11	Future Yrs	Est. Total
USES (dollars in \$000)							
54110 Design	\$ -	\$ 80	\$ 80	\$ -	\$ -	\$ -	\$ 80
54150 Planning/Environmental	-	10	10	-	-	-	10
54151 Construction Contracts	-	-	-	800	-	-	800
54152 Construction Management	-	-	-	100	-	-	100
57310 Contingency	-	34	34	100	-	-	134
TOTAL	\$ -	\$ 124	\$ 124	\$ 1,000	\$ -	\$ -	\$ 1,124
SOURCES (dollars in \$000)							
Street Reconstruction Fund	\$ -	\$ 124	\$ 124	\$ -	\$ -	\$ -	\$ 124
Undetermined	-	-	-	1,000	-	-	1,000
TOTAL	\$ -	\$ 124	\$ 124	\$ 1,000	\$ -	\$ -	\$ 1,124

Project Title: Railroad Industry Track Relocation

Project #: C00500103

This project represents the final work of the Petaluma River Flood Control Project, and comprises two phases: Phase 1: Construction of the Industrial Lead Railroad Track and Phase 2: Construction of the sheet pile wall, and removal of sediment between the U-shaped channel and the trapezoidal channel. The Corps began work on Phase 1 in fall 2007 with removal of the Drill Line Railroad bridge on October 23, 2007. The remainder of the Phase 1 work began in April 2008. The Corps intends to award the Phase 2 contract in August 2008. The Corps' current plan is to bundle the Phase 2 work with the repair of the slide on the west side of the channel across from Edith Street.

The City costs include right-of-way acquisition and design. The U.S. Army Corps of Engineers (Corps) is responsible for the construction of this project.



Railroad Track Relocation Fund	C00500103 3160.31600						
	<u>Prior</u>		<u>Total Appro.</u>				<u>Est.</u>
	<u>Years</u>	<u>08-09</u>	<u>thru 08-09</u>	<u>09-10</u>	<u>10-11</u>	<u>Future Yrs</u>	<u>Total</u>
USES (dollars in \$000)							
54110 Design	\$ 100	\$ -	\$ 100	\$ -	\$ -	\$ -	\$ 100
54120 Legal Counsel	5	-	5	-	-	-	5
54150 Planning/Environmental	1	-	1	-	-	-	1
54151 Construction Contracts	250	-	250	-	-	-	250
54152 Construction Management	25	-	25	-	-	-	25
55011 CIP Overhead	67	(19)	48	-	-	-	48
62110 Land and Easements	<u>982</u>	<u>50</u>	<u>1,032</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>1,032</u>
TOTAL	<u>\$ 1,430</u>	<u>\$ 31</u>	<u>\$ 1,461</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 1,461</u>
 SOURCES (dollars in \$000)							
Storm Drainage Impact Fees	<u>\$ 1,430</u>	<u>\$ 31</u>	<u>\$ 1,461</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 1,461</u>
TOTAL	<u>\$ 1,430</u>	<u>\$ 31</u>	<u>\$ 1,461</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 1,461</u>

FUTURE MAINTENANCE OF CAPITAL IMPROVEMENT PROJECT

This project is part of the Payran Reach Flood Control project that is being funded by the Army Corps of Engineers. Maintenance of the project will be the responsibility of the railroad.

CALCULATION OF FUTURE SAVINGS

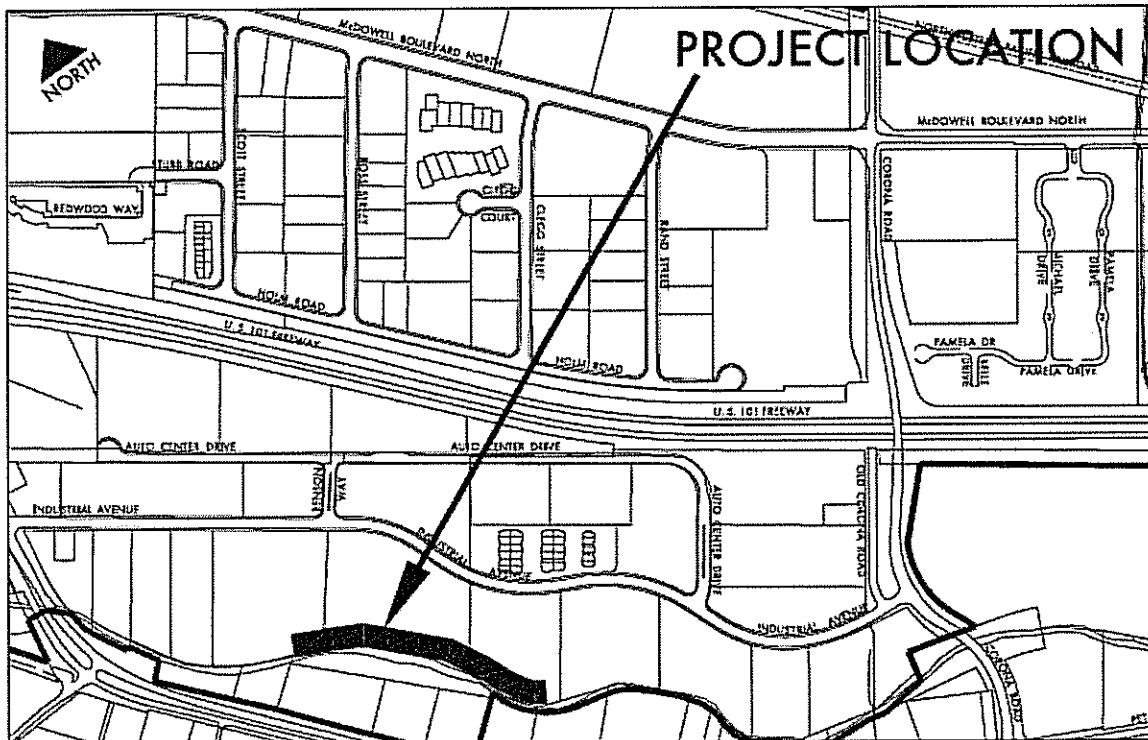
Unknown costs savings due to the redesign of the railroad cannot be calculated at this time. It could provide savings in the future related to flood mitigation.

Project Title: River Plan – Denman Reach Phase 3

Project #: C00500208

This project is located along the Petaluma River, upstream of Corona Road within the Denman Reach. The project consists of excavating a longitudinal bench along the low-flow channel of the river to create a flood terrace and restore the wetland and upland habitat areas upstream of the previously constructed Phase 1 and 2 projects. This will result in stabilization of the existing incised river channel and unstable bank areas, improvement of hydraulic function, and reduction of localized flood levels currently impacting adjacent development in the City and unincorporated areas. The Sonoma County Water Agency owns a portion of the land at the project site. The project also includes the extension of an existing floodwall by approximately 1500 linear feet and 4 feet in height northwest of the Corona Road bridge to alleviate flooding in the commercial and residential area of Sonoma County located between the Petaluma River and Petaluma Boulevard North.

The Sonoma County Water Agency owns a portion of the land at the project site. The remainder of the project will be constructed on private property within existing and new easement areas. Construction is anticipated for summer 2009, pending completion of a funding agreement with the SCWA.



River Plan - Denman Phase 3
 Fund C00500208
 3160.31600

	Prior Years	08-09	Total Appro. thru 08-09	09-10	10-11	Future Yrs	Est. Total
USES (dollars in \$000)							
54110 Design	\$ 65	\$ -	\$ 65	\$ -	\$ -	\$ -	\$ 65
54150 Planning/Environmental	20	20	40	-	-	-	40
54151 Construction Contracts	340	-	340	-	-	-	340
54152 Construction Management	30	-	30	-	-	-	30
55011 CIP Overhead	24	-	24	-	-	-	24
62110 Land and Easements	30	-	30	-	-	-	30
TOTAL	\$ 509	\$ 20	\$ 529	\$ -	\$ -	\$ -	\$ 529
SOURCES (dollars in \$000)							
Storm Drainage Impact Fees	\$ 24	\$ 20	\$ 44	\$ -	\$ -	\$ -	\$ 44
SCWA Zone 2A Assessments	485	-	485	-	-	-	485
TOTAL	\$ 509	\$ 20	\$ 529	\$ -	\$ -	\$ -	\$ 529

FUTURE MAINTENANCE OF CAPITAL IMPROVEMENT PROJECT

This project will require ongoing maintenance, which will be the responsibility of the Sonoma County Water Agency.

CALCULATION OF FUTURE SAVINGS

No future savings are anticipated. This project will provide new sources of drainage in the project area.

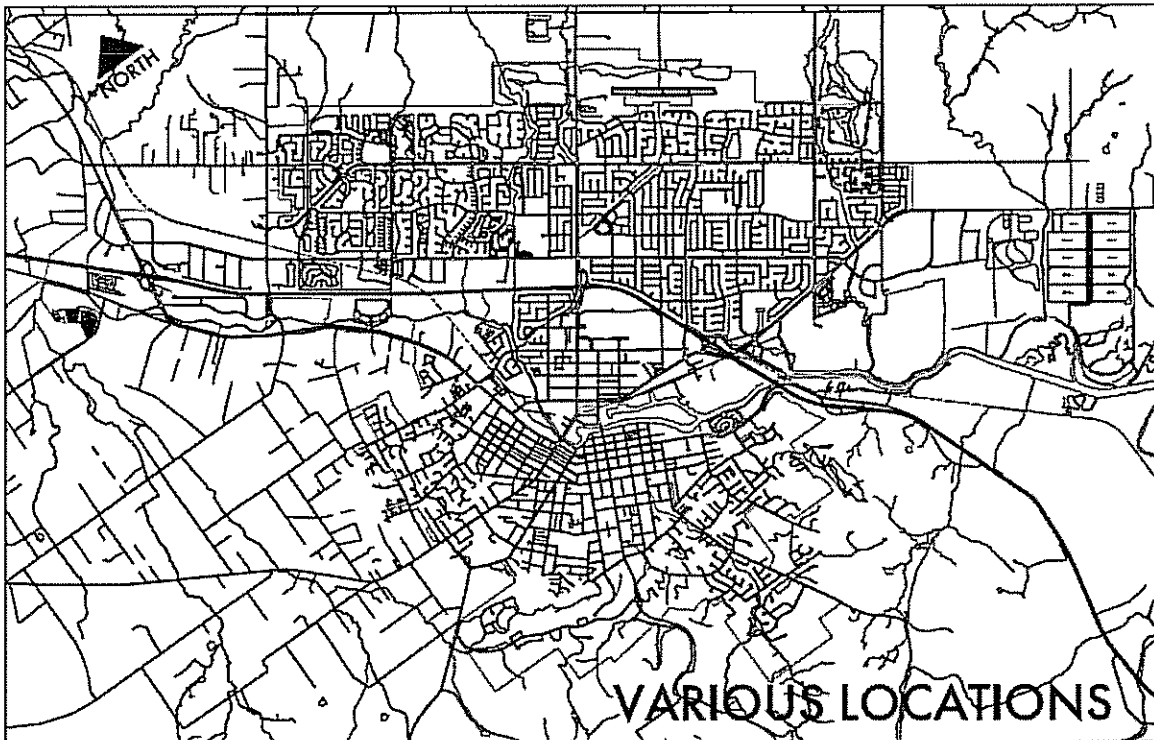
Project Title: Stream and Precipitation Gauges

Project #: C00500308

This project is located in the upper Petaluma River watershed within the city limits, as well as unincorporated Sonoma County. The project consists of the installation of ten additional gauges to measure and record stream depth and precipitation at the following locations:

- Corona Creek
- Capri creek
- Lynch Creek
- East Washington Creek
- Adobe Creek
- Kelly Creek
- Thompson Creek
- Washington Creek (upstream of East Washington Creek)
- Petaluma River (Corona Reach)
- Petaluma River (Downstream of Adobe Creek)

The purpose of this project is to provide additional data necessary to evaluate surface water runoff and flooding in the watershed by providing additional real-time data for the computer-based watershed computer model. These gauges will also augment the existing gauges used for City flood response activities. Completion of this project is contingent on receiving SCWA Zone 2A funding.



Stream and Precipitation Gauges Fund	C00500308 3160.31600							
	<u>Prior</u>		<u>Total Appro.</u>				<u>Est.</u>	
	<u>Years</u>	<u>08-09</u>	<u>thru 08-09</u>	<u>09-10</u>	<u>10-11</u>	<u>Future Yrs</u>	<u>Total</u>	
USES (dollars in \$000)								
54110 Design	\$ 3	\$ -	\$ 3	\$ -	\$ -	\$ -	\$ 3	
54151 Construction Contracts	71	-	71	-	-	-	71	
54152 Construction Management	3	-	3	-	-	-	3	
55011 CIP Overhead	4	-	4	-	-	-	4	
TOTAL	<u>\$ 81</u>	<u>\$ -</u>	<u>\$ 81</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 81</u>	
SOURCES (dollars in \$000)								
Storm Drainage Impact Fees	\$ 4	\$ -	\$ 4	\$ -	\$ -	\$ -	\$ 4	
SCWA Zone 2A Assessments	77	-	77	-	-	-	77	
TOTAL	<u>\$ 81</u>	<u>\$ -</u>	<u>\$ 81</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 81</u>	

FUTURE MAINTENANCE OF CAPITAL IMPROVEMENT PROJECT

City field crews will maintain the facilities installed through this project.

CALCULATION OF FUTURE SAVINGS

Future savings cannot be determined at this time. These facilities will provide additional monitoring and flood warning capability to better utilize City resources in the event of a flood emergency.

Project Title: Storm Dredge Spoils Reclamation Plan

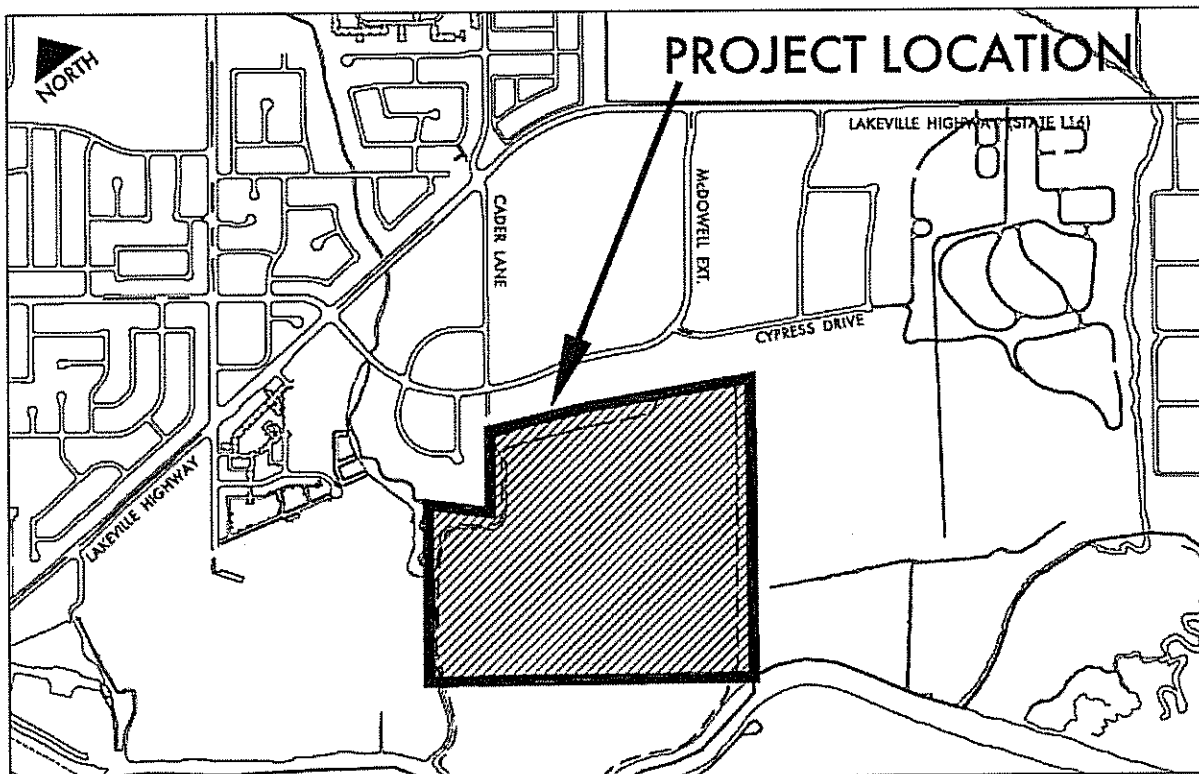
Project #: C00500704

For many years, the City has benefited from periodic maintenance dredging of the Petaluma River by the U.S. Army Corps of Engineers. The purpose of this dredging is to maintain sufficient channel depth for commercial and recreational navigation on the River. This periodic dredging of the channel has also contributed greatly to flood control by maintaining sufficient hydraulic capacity for conveying storm flows.

The City owns and operates a dredge spoils disposal and reclamation site at Shollenberger Park for stockpiling the sediments removed from the River.

This project will identify the long-term dredging needs, to maintain sufficient channel capacity and develop a management plan for continued operation of the dredge spoils reclamation site. This plan is expected to include specific implementation measures for future dredging of the Payran Flood Control Project and potential improvements to the dredge spoils disposal site.

The management plan for the dredge spoil reclamation site is expected to be completed in FY 2008-2009.



Storm Dredge Spoils
 Fund

C00500704
 3160.31600

	Prior Years	08-09	Total Appro. thru 08-09	09-10	10-11	Future Yrs	Est. Total
USES (dollars in \$000)							
54110 Design	\$ 50	\$ -	\$ 50	\$ -	\$ -	\$ -	\$ 50
54150 Planning/Environmental	150	-	150	-	-	-	150
54151 Construction Contracts	400	-	400	-	-	-	400
54152 Construction Management	30	-	30	-	-	-	30
55011 CIP Overhead	27	-	27	-	-	-	27
TOTAL	\$ 657	\$ -	\$ 657	\$ -	\$ -	\$ -	\$ 657
SOURCES (dollars in \$000)							
Storm Drainage Impact Fees	\$ 657	\$ -	\$ 657	\$ -	\$ -	\$ -	\$ 657
TOTAL	\$ 657	\$ -	\$ 657	\$ -	\$ -	\$ -	\$ 657

FUTURE MAINTENANCE OF CAPITAL IMPROVEMENT PROJECT

This is an ongoing responsibility of the City. The impact fee is providing funds since dredging of the Petaluma River provides protection against flooding.

After the initial completion of the dredge spoils facility, ongoing maintenance will require funding from the impact fee fund. That fund is dependent on development and could be impacted by a slowdown in development in the City. If funds are not available from that source, responsibility may fall to the General Fund.

CALCULATION OF FUTURE SAVINGS

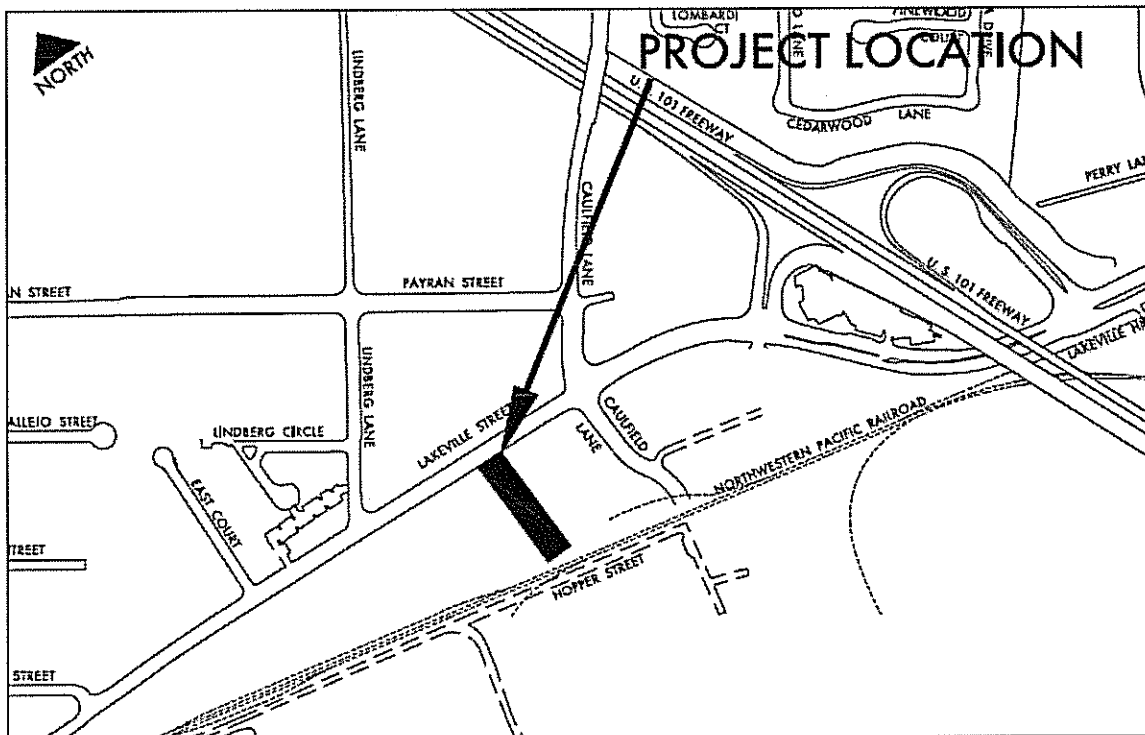
Future savings, especially in the potential to avoid flooding, cannot be quantified at this time.

Project Title: Lakeville Channel Improvements

Project #: C00500705

The City currently owns and maintains an open drainage ditch at 960 Lakeville Street. The ditch conveys storm water runoff from Lakeville Street and the surrounding area into an adjacent channel. Maintaining adequate flow capacity of this ditch is exacerbated by the growth of cattails.

This project will clean out the ditch and install approximately 500 linear feet of pipe. The potential environmental impacts of this proposed project have been determined, and mitigation alternatives need to be evaluated in order to proceed with the construction of this project.



Lakeville Channel Improvements C00500705
 Fund 3160.31600

	Prior Years	08-09	Total Appro. thru 08-09	09-10	10-11	Future Yrs	Est. Total
USES (dollars in \$000)							
54110 Design	\$ 5	\$ -	\$ 5	\$ -	\$ -	\$ -	\$ 5
54150 Planning/Environmental	10	-	10	-	-	-	10
54151 Construction Contracts	170	-	170	-	-	-	170
54152 Construction Management	15	-	15	-	-	-	15
* 55011 CIP Overhead	1	-	1	-	-	-	1
57310 Contingency	5	-	5	-	-	-	5
TOTAL	\$ 206	\$ -	\$ 206	\$ -	\$ -	\$ -	\$ 206
SOURCES (dollars in \$000)							
Storm Drainage Impact Fees	\$ 206	\$ -	\$ 206	\$ -	\$ -	\$ -	\$ 206
TOTAL	\$ 206	\$ -	\$ 206	\$ -	\$ -	\$ -	\$ 206

* Prior year CIP Overhead of \$9,000 not transferred.

FUTURE MAINTENANCE OF CAPITAL IMPROVEMENT PROJECT

City field crews will maintain the storm drainage improvements constructed through this project.

CALCULATION OF FUTURE SAVINGS

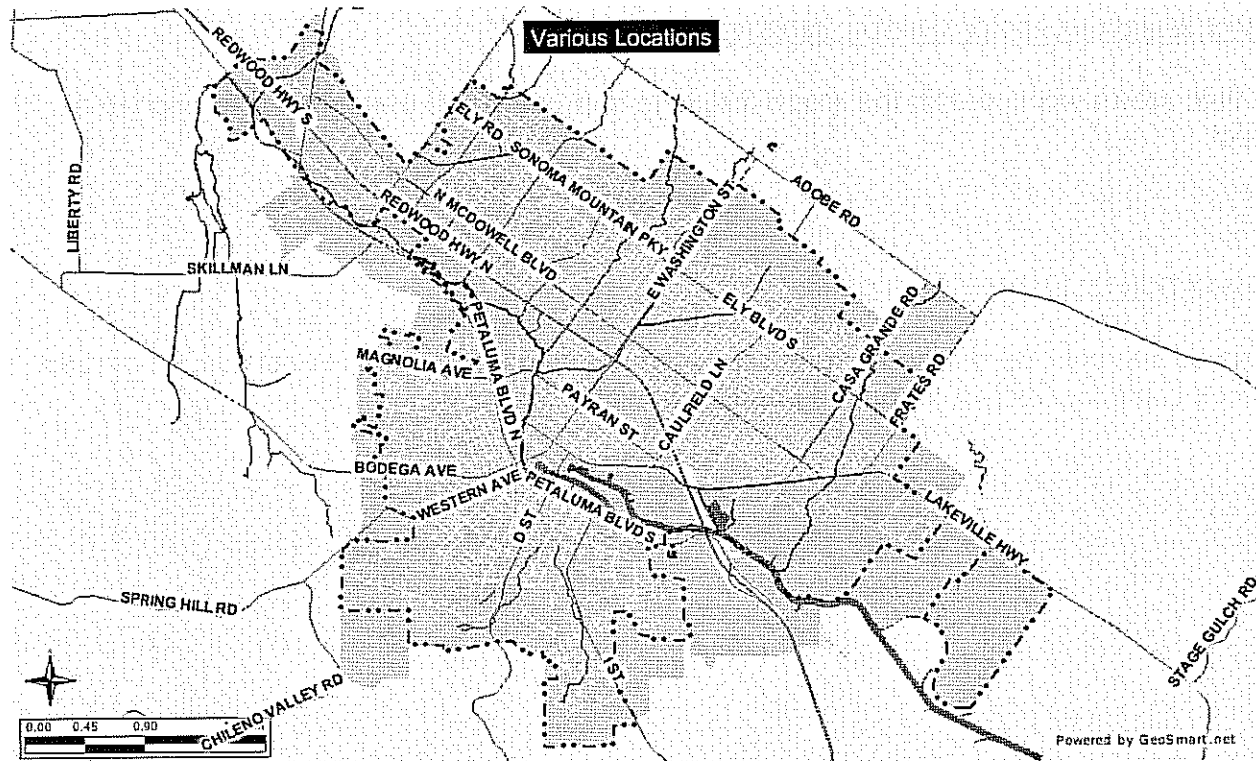
Future savings will be realized through reduced flooding and increased service life of road facilities currently subject to routine ponding of water.

Project Title: Flood Drainage Improvements

Project #: C00500804

Various streets and intersections throughout the City are susceptible to flooding during heavy downpours due to the lack of adequate drainage facilities.

This project will annually identify and prioritize the necessary storm drain improvements, required to reduce or eliminate ponding water. Specific locations and improvements will be determined as part of the detailed design. The construction timetable will depend on local considerations, such as street paving and repair schedules, construction of other utilities, redevelopment projects, and development activity.



Storm Drainage Improvements Fund C00500804
 3160.31600

	Prior Years	08-09	Total Appro. thru 08-09	09-10	10-11	Future Yrs	Est. Total
USES (dollars in \$000)							
54110 Design	\$ 100	\$ 50	\$ 150	\$ 50	\$ 50	\$ 50	\$ 300
54151 Construction Contracts	350	250	600	250	250	250	1,350
54152 Construction Management	20	25	45	25	25	25	120
55011 CIP Overhead	24	-	24	-	-	-	24
57310 Contingency	20	-	20	-	-	-	20
TOTAL	\$ 514	\$ 325	\$ 839	\$ 325	\$ 325	\$ 325	\$ 1,814
SOURCES (dollars in \$000)							
Storm Drainage Impact Fees	\$ 514	\$ 325	\$ 839	\$ 325	\$ 325	\$ 325	\$ 1,814
TOTAL	\$ 514	\$ 325	\$ 839	\$ 325	\$ 325	\$ 325	\$ 1,814

FUTURE MAINTENANCE OF CAPITAL IMPROVEMENT PROJECT

City field crews will maintain the storm drainage improvements constructed through this project.

CALCULATION OF FUTURE SAVINGS

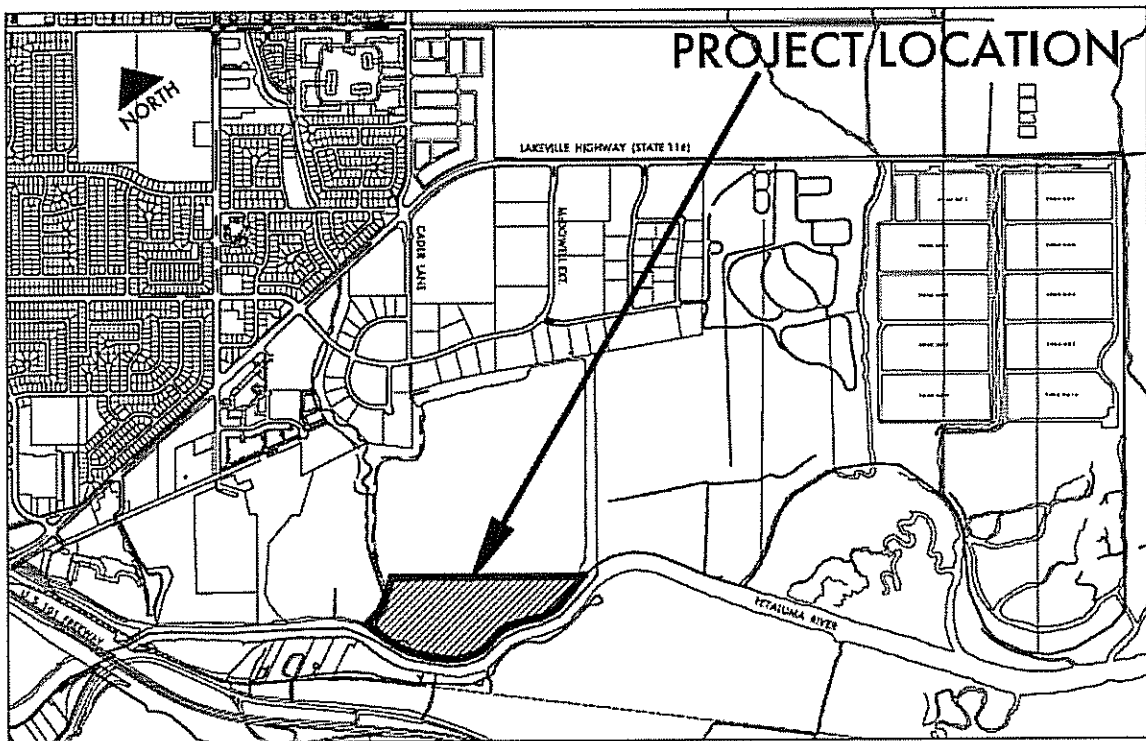
Future savings will be realized through reduced flooding and increased service life of road facilities currently subject to routine ponding of water.

Project Title: Upper Petaluma River Maintenance Dredging – Habitat Restoration

Project #: C00500805

Between October 2002 and January 2003, the U.S. Army Corps of Engineers removed approximately 250,000 cubic yards of sediment from the Petaluma River. The dredged material was hydraulically mined from the river and deposited as slurry at the City's 160-acre dredge spoil disposal site. The City constructed a berm to separate a 48-acre parcel in the southern portion of the site from the northern 112-acre area. The dredge slurry was placed on the northern 112 acres of the disposal site. The 48-acre parcel, referred to as Shollenberger Marsh, was set aside as compensation for potential salt marsh harvest mouse habitat in accordance with U.S. Fish and Wildlife Service requirements.

In FY 07-08, the City completed the assessment, management, maintenance and monitoring plan. Additional work is pending review of this plan by the appropriate resource and regulatory agencies.



River Habitat Restoration Fund	C00500805 3160.31600						
		<u>Prior Years</u>	<u>08-09</u>	<u>Total Appro. thru 08-09</u>	<u>09-10</u>	<u>10-11</u>	<u>Est. Total</u>
USES (dollars in \$000)							
54150 Planning/Environmental	\$ 10		\$ 10	\$ -	\$ -	\$ -	\$ 10
54151 Construction Contracts	160	-	160	-	-	-	160
54152 Construction Management	20	-	20	-	-	-	20
55011 CIP Overhead	11		11	-	-	-	11
57310 Contingency	20	-	20	-	-	-	20
TOTAL	\$ 221	\$ -	\$ 221	\$ -	\$ -	\$ -	\$ 221
SOURCES (dollars in \$000)							
Storm Drainage Impact Fees	\$ 221	\$ -	\$ 221	\$ -	\$ -	\$ -	\$ 221
TOTAL	\$ 221	\$ -	\$ 221	\$ -	\$ -	\$ -	\$ 221

FUTURE MAINTENANCE OF CAPITAL IMPROVEMENT PROJECT

This project will require ongoing maintenance. Funds will be provided by the Waste Water Utility fund, which is funded through user fees.

CALCULATION OF FUTURE SAVINGS

Restoration of this site will result in cost savings through the use of native plant species requiring a minimum of maintenance and the improved efficiency of the City's dredge spoils disposal site.

