

# CAPITAL IMPROVEMENT PROJECTS

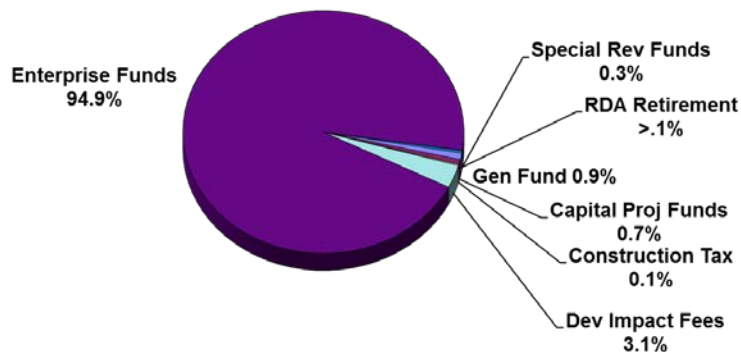
## STATEMENT OF PURPOSE

The Engineering Division is responsible for delivering the Capital Improvement Projects (CIP) Program. This involves the planning, design, and construction of all new city improvements identified in the 5-year Capital Improvement Plan and major rehabilitation of existing facilities. Budget highlights for Fiscal Year 2013-14 include:

<b>Revenues by Fund</b>				
<b>Source of Funds</b>	<b>10-11 Actual</b>	<b>11-12 Actual</b>	<b>12-13 Adopted</b>	<b>13-14 Adopted</b>
General Fund Support	35,365	29,685	245,000	1,056,683
Capital Project Funds	46,163	156,193	615,556	846,533
Construction Tax	10,465	0	800,000	185,658
Development Impact Fees	1,169,885	912,257	3,273,780	3,896,636
Enterprise Funds	6,669,751	5,647,830	20,569,362	121,063,445
General Fund Fees & Charges	0	0	25,000	45,000
Internal Service Funds	0	322,967	0	0
RDA Funds	313,304	231,096	0	0
RDA Retirement Obligation Funds	0	199,104	1,375,985	55,000
Special Revenue Funds	722,695	4,494,487	529,208	413,284
<b>Total Revenues</b>	<b>8,967,628</b>	<b>11,993,619</b>	<b>27,433,891</b>	<b>127,562,239</b>

<b>Expenses by Category</b>				
<b>Expenditures</b>	<b>10-11 Actual</b>	<b>11-12 Actual</b>	<b>12-13 Adopted</b>	<b>13-14 Adopted</b>
Capital Expenditures	1,109,304	4,022,389	49,139	0
Operating Expenditures	6,284,996	6,402,797	25,563,002	125,941,730
Salaries and Benefits	1,573,328	1,568,433	1,821,750	1,620,509
<b>Total Expenditures</b>	<b>8,967,628</b>	<b>11,993,619</b>	<b>27,433,891</b>	<b>127,562,239</b>

**Source of Funds for  
2013-14 Budget**



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Department/Program	EXPENDITURES BY CATEGORY						FUNDING SOURCES				
	Salaries & Benefits w ot	Salaries & Benefits	Overtime	Professional Services	Other Expenses	Program Total	General Fund	General Fund Fees & Charges	General Fund Grants/ Designated Revenue	Total General Fund Support	Other Funds
<b>CAPITAL IMPROVEMENTS</b>											
8110 - Capital Improvement Administration	240,511	230,511	10,000	35,000	253,628	529,139	4,683	0	0	4,683	524,456
8126 - ADA Parking & Facility Compliance	28,999	28,999	0	151,001	2,459	182,459	0	0	0	0	182,459
8138 - Fifth Street Corridor Improvement	57,439	57,439	0	0	1,081	58,520	0	0	0	0	58,520
8158 - El Macero Valve Replacement	32,387	32,387	0	0	506	32,893	0	0	0	0	32,893
8164 - 3rd Street Improvements A to B St	44,384	44,384	0	55,000	835	100,219	0	0	0	0	100,219
8166 - Sanitary Sewer Rehab	67,859	67,859	0	676,759	5,382	750,000	0	0	0	0	750,000
8183 - SCADA System Upgrades	66,274	66,274	0	0	1,036	67,310	0	0	0	0	67,310
8186 - Citywide Anode Installation	5,823	5,823	0	240,267	3,910	250,000	0	0	0	0	250,000
8187 - Network Radio -Read Water Meters	5,446	5,446	0	953,554	14,997	973,997	0	0	0	0	973,997
8190 - Water Main Replacement	69,992	69,992	0	422,189	7,819	500,000	0	0	0	0	500,000
8207 - Bike Crossing Drummond/Cowell	13,325	13,325	0	0	251	13,576	0	0	0	0	13,576
8209 - First Street Corridor	30,214	30,214	0	0	569	30,783	0	0	0	0	30,783
8219 - WWTP Facility Improvement	345,093	345,093	0	85,000,000	612,450	85,957,543	0	0	0	0	85,957,543
8224 - Surface Water Local Facilities	58,213	58,213	0	1,000,000	16,549	1,074,762	0	0	0	0	1,074,762
8231 - Annual Sanitary Syst Rehab/Repl	20,185	20,185	0	103,918	897	125,000	0	0	0	0	125,000
8237 - Drexel/H Tunnel	16,818	16,818	0	0	316	17,134	0	0	0	0	17,134
8238 - Walnut Park Restroom	11,603	11,603	0	0	218	11,821	0	0	0	0	11,821
8243 - North Davis Riparian Greenbelt Project	12,891	12,891	0	485,283	1,061	499,235	0	0	0	0	499,235
8244 - Emergency Generators	28,911	28,911	0	352,745	4,077	385,733	0	0	0	0	385,733
8245 - Rainbow City Rehab	23,633	23,633	0	279,333	1,880	304,846	0	0	0	0	304,846
8246 - Faraday Extension	20,788	20,788	0	229,212	4,705	254,705	0	0	0	0	254,705
8247 - Redwood Park Memorial	7,741	7,741	0	89,259	0	97,000	52,000	45,000	0	97,000	0
8248 - Beyond Platinum Action Plan	3,175	3,175	0	76,825	1,766	81,766	0	0	0	0	81,766
8249 - Citywide Irrigation Improvements	44,060	44,060	0	455,940	0	500,000	500,000	0	0	500,000	0
8250 - Transportation Infrastructure Rehab	22,139	22,139	0	1,430,000	0	1,452,139	500,000	0	0	500,000	952,139
8251 - H Street @ Davis Little League	7,276	7,276	0	42,724	1,893	51,893	0	0	0	0	51,893
8252 - Downtown Parking Improvements	0	0	0	100,000	0	100,000	0	0	0	0	100,000
8253 - Fire Station Relocation	0	0	0	2,300,000	0	2,300,000	0	0	0	0	2,300,000
8254 - Railway Realignment	0	0	0	50,000	0	50,000	0	0	0	0	50,000
8543 - Alternative Water Supply Invest	316,947	316,947	0	30,000,000	474,436	30,791,383	0	0	0	0	30,791,383
<b>TOTAL CAPITAL IMPROVEMENTS</b>	<b>1,602,126</b>	<b>1,592,126</b>	<b>10,000</b>	<b>124,529,009</b>	<b>1,412,721</b>	<b>127,543,856</b>	<b>1,056,683</b>	<b>45,000</b>	<b>0</b>	<b>1,101,683</b>	<b>126,442,173</b>

**CURRENT CAPITAL IMPROVEMENT PROJECTS**

**Administration**

1	8110	<b>Capital Improvement Projects Program Administration</b>	<b>Description:</b> Administer the CIP Program which implements the city's 5-Year Capital Improvement Plan, replaces infrastructure, and implements other Capital Improvements approved by City Council. Includes major fixed expenses such as equipment, internal service charges such as information systems, and insurance and training for 18 staff positions.	\$529,399
<b>Administration Subtotal</b>				<b>\$529,399</b>

**Facilities Projects**

1	8238	<b>Walnut Park Restroom</b>	<b>Description:</b> Construction of a permanent modular restroom at Walnut Park.	\$11,821
2	8244	<b>Emergency Generators</b>	<b>Description:</b> The purchase 3 emergency generators back to provide a stable power supply for an emergency Care & Shelter facility and the Parks and the Public Works Corporation Yards. The project includes a 450 Kw generator to power the Veterans Memorial Center facility, a 150 Kw generator for the Parks Corp Yard at 1818 Fifth St., and a 100 Kw generator for the Public Works Corp Yard at 1717 Fifth St.	\$386,514
3	8253	<b>Fire Station Relocation</b>	<b>Description:</b> Investigate the options related to relocating the downtown fire station.	\$2,300,000
<b>Facilities Subtotal</b>				<b>\$2,698,335</b>

**Parks Projects**

1	8243	<b>North Davis Riparian Greenbelt Project</b>	<b>Description:</b> Project to create 17 acres of publically accessible riparian habitat in an urban storm water channel, benefitting agriculture, water quality, local residents, and wildlife. Project will mimic natural ecological functions and create 'nature nearby' for area residents and wildlife. Project will provide 990 native trees, 2,936 shrubs, and over 50,000 forbs, grasses, sedges, and rushes.	\$499,235
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2	8245	<b>Rainbow City Rehab</b>	<b>Description:</b> Rainbow City is an extensive play structure located in Community Park and was originally constructed as part of a community wide participation project. The structure is out of compliance with ADA, and playground standards. Portion of the structure needs to be replaced due wear and tear.	\$304,846
3	8247	<b>Redwood Park Memorial</b>	<b>Description:</b> Construction of a memorial dedicated to John Riggins and Sabrina Gonsalves in Redwood Park including the renovation of existing play area as well as the improvement of park lighting.	\$97,000
4	8249	<b>Citywide Irrigation Improvements</b>	<b>Description:</b> In an effort to conserve water use in the City parks, improvements and upgrades to the current irrigation infrastructure will be performed throughout the City.	\$500,000
<b>Parks Subtotal</b>				<b>\$1,401,081</b>

**Sewer (Wastewater) Projects**

1	8166	<b>Sanitary Sewer Line Rehabilitation</b>	<b>Description:</b> Annual rehabilitation of sewer line segments at various locations within the City.	\$750,000
2	8219	<b>Wastewater Treatment Plant Improvements Project</b>	<b>Description:</b> Upgrade the existing wastewater treatment plant to replace aging elements of the facility and to incorporate advance treatment processes necessary to bring the treated wastewater into compliance with new State permit requirements. The total project will include water quality studies, permitting, legal, engineering, design, facility construction, and project administration.	\$85,970,501
3	8231	<b>Annual Sanitary Sewer System Rehab and Replacement Project</b>	<b>Description:</b> Repair, restore, rehabilitate or replace maintenance holes, sanitary sewage lines and other components of the sanitary sewage system in various locations throughout the City. Priority is based on significance to the overall system, complaints and degree of deterioration.	\$125,000
<b>Sewer Subtotal</b>				<b>\$86,845,501</b>

**Transportation Projects**

1	8126	<b>ADA Parking and Curb Ramp Compliance</b>	<b>Description:</b> Ongoing upgrades to existing curb ramps, path of travel and public parking facilities to comply with ADA requirements.	\$182,459
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2	8138	<b>Fifth Street Corridor Improvements</b>	<b>Description:</b> Creation of reduced lanes on a Fifth St. Reducing the travel lanes will provide room, for Class II bicycle lanes, turn pockets, and medians on this corridor. New 8-phase traffic signals will be installed at the intersections of F and G Streets, and existing signals at A, B and L Streets will be modified to accommodate the new lane configuration. New ADA access ramps will be installed at all corners throughout the corridor with marked enhanced crosswalks for pedestrian crossings.	\$61,284
3	8164	<b>Third Street Improvements from A Street to B Street and the B Street Alley</b>	<b>Description:</b> Improve Third Street and the B Street alley to improve safety and enhance the joint use of the travel segments by pedestrians, bicyclists and motorists.	\$100,219
4	8207	<b>Bike Crossing Drummond/Cowell</b>	<b>Description:</b> Complete the greenbelt multi-use pathway between Mono Place and Benbow Court. The tunnel crossing under Drummond Avenue was constructed previously and sealed off. Improvements to be coordinated with the New Harmony residential development.	\$13,576
5	8209	<b>First Street Corridor Improvements</b>	<b>Description:</b> This project is the combination of two previous projects: First Street Bike Path Lighting and the A Street / Mondavi Connection. Scope includes updating the ramps on the south side of D St and C St; updating the intersection of B St to improve bicycle, pedestrian and vehicular flow; and overlay the street from A Street to G Street.	\$30,783
6	8237	<b>Drexel Blvd. /H St.</b>	<b>Description:</b> Install bicycle and pedestrian improvements on Drexel Drive to include: enhanced crossings, bulb-outs at L Street, traffic calming, and a two-way cycle track. This project is partially funded by a SACOG grant.	\$17,134
7	8246	<b>Faraday Extension</b>	<b>Description:</b> The development agreement for the Target building at 4601 Second Street included provisions to install an extension of Faraday Boulevard off of Second Street. Faraday Boulevard is only partially completed and this would add to it's length although would not complete the boulevard. Target construction is funding the project.	\$254,705
8	8248	<b>Beyond Platinum Action Plan</b>	<b>Description:</b> The City of Davis was the first city designated as a Platinum bike friendly by the League of American Bicyclists. The League has added a new challenge to attain beyond platinum, or diamond, status. To accomplish this the City is developing its action plan.	\$81,766
9	8250	<b>Transportation Infrastructure Rehab</b>	<b>Description:</b> This is an annual street and bike path paving project, improving the pavement throughout the City in an effort to ensure that the City's transportation infrastructure is maintained to an acceptable level.	\$1,452,139

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10	8251	<b>H Street @ Davis Little League</b>	<b>Description:</b> Study the access issues at the end of H Street near the Little League and the H Street Pump Station, investigating the connection to the bike path, the parking and the street. Design of the project will be based on the investigation.	\$51,893
11	8252	<b>Downtown Parking Improvements</b>	<b>Description:</b> Study downtown parking issues and challenges and identify improvements	\$100,000
12	8254	<b>Railway Realignment</b>	<b>Description:</b> Study the options for adjustment of railway lines to improve transportation options.	\$50,000
<b>Transportation Subtotal</b>				<b>\$2,395,958</b>

**Drinking Water Projects**

1	8158	<b>El Macero Valve Replacement</b>	<b>Description:</b> Replacement of approximately 65 deteriorating water valves in El Macero.	\$32,893
2	8183	<b>SCADA System Upgrades</b>	<b>Description:</b> Update the system that automatically controls the water supply system by replacing various field components.	\$67,310
3	8186	<b>Citywide Anode Installation</b>	<b>Description:</b> Installation sacrificial anodes at water meters throughout the City to eliminate the corrosion caused by the transfer of electrical current from on-site plumbing fixtures to the water main.	\$250,000
4	8187	<b>Water Meter Radio Network</b>	<b>Description:</b> Automatic Meter Reading (AMR) has been identified as a tool that could greatly benefit the City both in Operations and for water conservation efforts. A feasibility study has been completed and installation will begin.	\$973,997
5	8190	<b>Water Main Rehabilitation</b>	<b>Description:</b> Annual project to rehabilitate existing old and failing water lines at various locations throughout the City.	\$500,000
6	8224	<b>Surface Water Local Facilities</b>	<b>Description:</b> Installing transmissions lines as well as improving some existing distribution system piping to facilitate transmission of surface water and increase water quality.	\$1,074,762
7	8543	<b>Alternative Water Supply Investigation</b>	<b>Description:</b> To procure surface water as a member of the Joint Powers Authority, the Woodland Davis Clean Water Agency. This fiscal year will be the award of the Design Build Operate contract. This is a multi-year project. Annual funding provides for the City's portion of the shared costs.	\$30,793,003
<b>Water Subtotal</b>				<b>\$33,691,965</b>
<b>Capital Projects for FY 13/14</b>				<b>\$127,562,239</b>

**Projects Completed in FY 2012-13**

1	8166	Sewer	<b>Portion of ongoing Sanitary Sewer Line Rehabilitation</b>	<b>Description:</b> Completed a sanitary sewer sliplining project in the main north of the City.
2	8190	Water	<b>Portion of ongoing Water Main Rehabilitation</b>	<b>Description:</b> Completed a water main replacement project along Third Street and Oeste Drive.
3	8215	Facilities	<b>City Hall HVAC Retrofit</b>	<b>Description:</b> Replaced and modified the HVAC ductwork under City Hall.
4	8211	Parks	<b>Central Park Restroom</b>	<b>Description:</b> Built a fully ADA compliant restroom in central park adjacent to north area play structure and carousel.
5	8239	Parks	<b>Mace Ranch Community Park</b>	<b>Description:</b> Rehabilitated the former habitat area of Mace Ranch Community Park.
6	8139	Transportation	<b>Investigation of at Grade Bike Crossing at Depot</b>	<b>Description:</b> Completed application to the California Public Utilities for possible bike crossing at train station which was denied.
7	8207	Transportation	<b>Drummond Bike Crossing</b>	<b>Description:</b> Completed a bicycle undercrossing at Drummond Avenue near Covell Boulevard.
8	8209	Transportation	<b>First Street Smart Bollards</b>	<b>Description:</b> This was an initial phase to the First Street Improvements project. This phase installed smart bollards along the bike path on the south side of First Street to illuminate the olive tree canopy at night for pedestrians and cyclists.
9	8234	Transportation	<b>F Street Improvements</b>	<b>Description:</b> Improved the sidewalk, curb and gutter in front of the Hallmark Inn, including specialty concrete, bulbouts and landscaping.

