

CAPITAL IMPROVEMENT PROJECTS

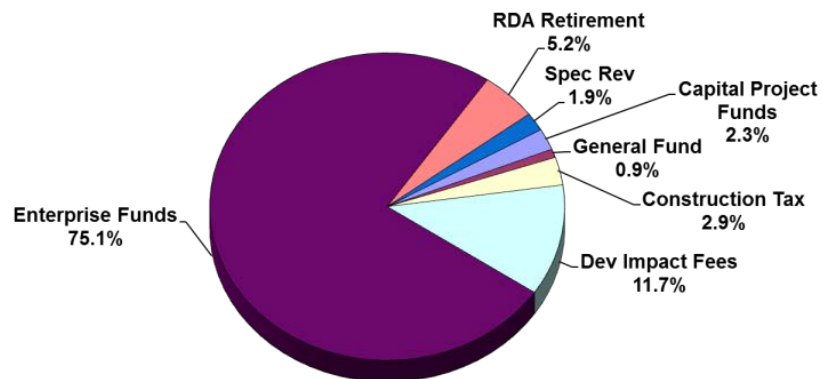
STATEMENT OF PURPOSE

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 2012-13 include:

Revenues by Fund				
Source of Funds	09-10 Actual	10-11 Actual	11-12 Budget	12-13 Budget
General Fund Support	69,757	35,365	0	245,000
Capital Project Funds	155,012	32,067	7,000,000	615,556
Construction Tax	55,661	24,561	0	800,000
Development Impact Fees	1,081,220	1,279,898	747,577	3,273,780
Enterprise Funds	4,678,645	7,571,783	16,030,959	20,569,362
General Fund Fees & Charges	0	0	0	25,000
Internal Service Funds	1,522	0	0	0
RDA Funds	1,385,175	351,081	15,407,859	0
RDA Retirement Obligation Funds	0	0	0	1,375,985
Special Revenue Funds	1,674,899	731,896	887,502	529,208
Total Revenues	9,101,891	10,026,651	40,073,897	27,433,891

Expenses by Category				
Expenditures	09-10 Actual	10-11 Actual	11-12 Budget	12-13 Budget
Capital Expenditures	1,338,354	1,133,496	106,526	49,139
Operating Expenditures	6,248,613	7,319,827	38,131,998	25,563,002
Salaries and Benefits	1,514,924	1,573,328	1,835,373	1,821,750
Total Expenditures	9,101,891	10,026,651	40,073,897	27,433,891

**Source of Funds for
Final Budget 2012-13**



Capital Improvement Projects

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
CAPITAL IMPROVEMENTS											
8110 - Capital Improvement Administration	466,873	456,873	10,000	35,000	233,035	734,908	0	0	0	0	734,908
8126 - ADA Parking & Facility Compliance	28,363	28,363	0	168,987	2,915	200,265	0	0	0	0	200,265
8138 - Fifth Street Corridor Improvement	67,347	67,347	0	130,931	1,722	200,000	0	0	0	0	200,000
8139 - Investigate Bike/Ped Xing @ Depot	30,555	30,555	0	0	0	30,555	0	0	0	0	30,555
8158 - El Macero Valve Replacement	19,483	19,483	0	174,690	5,827	200,000	0	0	0	0	200,000
8164 - 3rd Street Improvements A to B St	97,404	97,404	0	1,458,735	7,861	1,564,000	0	25,000	0	25,000	1,539,000
8166 - Sanitary Sewer Rehab	64,469	64,469	0	656,470	29,061	750,000	0	0	0	0	750,000
8174 - Well No 33	62,951	62,951	0	0	1,964	64,915	0	0	0	0	64,915
8178 - Facilities ADA Assessment & Improv	44,424	44,424	0	49,190	1,386	95,000	0	0	0	0	95,000
8183 - SCADA System Upgrades	43,589	43,589	0	199,078	7,333	250,000	0	0	0	0	250,000
8186 - Citywide Anode Installation	17,268	17,268	0	225,399	7,333	250,000	0	0	0	0	250,000
8190 - Water Main Replacement	42,666	42,666	0	442,734	14,600	500,000	0	0	0	0	500,000
8207 - Bike Crossing Drummond/Cowell	51,826	51,826	0	259,723	5,451	317,000	0	0	0	0	317,000
8208 - Cowell/Chiles Traffic Circle	52,586	52,586	0	486,046	9,368	548,000	0	0	0	0	548,000
8209 - First Street Path Lighting	1,619	1,619	0	10,278	103	12,000	0	0	0	0	12,000
8211 - Central Park Master Plan	15,276	15,276	0	0	71	15,347	0	0	0	0	15,347
8219 - WWTP Facility Improvement	285,215	285,215	0	3,848,067	166,718	4,300,000	0	0	0	0	4,300,000
8224 - East Area Main Upsizing	46,059	46,059	0	239,365	8,576	294,000	0	0	0	0	294,000
8227 - Richards/Olive Improvements	0	0	0	24,573	427	25,000	0	0	0	0	25,000
8230 - Well 29 Decommissioning	58,640	58,640	0	135,533	5,827	200,000	0	0	0	0	200,000
8231 - Annual Sanitary Syst Rehab/Repl	13,568	13,568	0	106,606	4,826	125,000	0	0	0	0	125,000
8233 - VMC Rehab & Modernization	0	0	0	2,592,709	57,291	2,650,000	0	0	0	0	2,650,000
8237 - Drexel/H Tunnel	14,245	14,245	0	211,448	1,185	226,878	0	0	0	0	226,878
8238 - Walnut Park Restroom	7,640	7,640	0	281,351	2,317	291,308	150,000	0	0	150,000	141,308
8239 - Mace/Comm Park Habitat Area	0	0	0	146,499	901	147,400	95,000	0	0	95,000	52,400
8543 - Alternative Water Supply Invest	252,692	252,692	0	12,367,614	381,176	13,001,482	0	0	0	0	13,001,482
8674 - Police Firing Range	0	0	0	70,973	0	70,973	0	0	0	0	70,973
8718 - Cowell Boulevard Medians	36,992	36,992	0	280,086	2,782	319,860	0	0	0	0	319,860
8719 - Parks/Open Space Acquisition	0	0	0	0	50,000	50,000	0	0	0	0	50,000
TOTAL CAPITAL IMPROVEMENTS	1,821,750	1,811,750	10,000	24,602,085	1,010,056	27,433,891	245,000	25,000	0	270,000	27,163,891

CURRENT CAPITAL IMPROVEMENT PROJECTS

Administration

1	8110	Capital Improvement Projects Program Administration	Description: 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.	\$734,908
Administration Subtotal				\$734,908

Facilities Projects

1	8178	Facilities ADA Assessment and Improvements	Description: Make improvements to City facilities to attain ADA compliance.	\$95,000
2	8233	VMC Rehab and Modernization	Description: Rehab and modernize Veterans Memorial Center. The City is currently assessing the options for this facility including incorporating a teen multiuser space.	\$2,650,000
3	8238	Walnut Park Restroom	Description: Construction of a permanent restroom at Walnut Park.	\$291,308
4	8674	Police Firing Range	Description: Development of a firing range for Police training.	\$70,973
Facilities Subtotal				\$3,107,281

Parks Projects

1	8211	Central Park Master Plan	Description: Make improvements to Central Park including adding a universally accessible play structure, a fully ADA compliant restroom and eventually renovate the Central Park fountain. Due to the availability of funding this project will be phased. The fountain is the final phase and is not currently funded.	\$15,347
2	8719	Parks/Open Space Acquisition	Description: Ongoing program for the recognition and acquisition of Parks and Open Space Land in and around the City of Davis.	\$50,000
3	8239	Mace Community Park Habitat Area	Description: Rehabilitation of the former habitat area of Mace Ranch Community Park.	\$147,400
Parks Subtotal				\$212,747

Sewer (Wastewater) Projects

1	8166	Sanitary Sewer Line Rehabilitation	Description: Annual rehabilitation of sewer line segments at various locations within the City.	\$750,000
2	8219	WWTP Master Planning, Pre-design, CEQA Documentation, and Design	Description: The pending State discharge permit allowing the city to discharge treated wastewater is expected to require the introduction of advanced treatment processes as well as upgrades to existing plant facilities. The total project cost for water quality studies, permitting, legal, process analysis, design, facility construction, along with project administration and management is in the range of \$120 to \$140 million dollars. The required upgrade for improved treatment quality does not include increasing the current capacity of 7.5 MGD.	\$4,300,000
3	8231	Annual Sanitary Sewer System Rehab and Replacement Project	Description: 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
Sewer Subtotal				\$5,175,000

Transportation Projects

1	8126	ADA Parking and Curb Ramp Compliance	Description: Ongoing upgrades to existing curb ramps, path of travel and public parking facilities to comply with ADA requirements..	\$200,265
2	8138	Fifth Street Corridor Improvements	Description: Investigate options to adjustments to the Fifth Street Corridor.	\$200,000
3	8139	Investigate at Grade Bike Ped Crossing at Depot	Description: Investigate the possibility of developing an at grade crossing at the train depot	\$30,555
4	8164	Third Street Improvements from A Street to B Street and the B Street Alley	Description: 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.	\$1,564,000
5	8207	Bike Crossing Drummond/Cowell	Description: 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.	\$317,000
6	8208	Cowell/Chiles Traffic Circle	Description: Convert the existing four-way stop controlled intersection into a roundabout to better manage traffic.	\$548,000
7	8209	First Street Path Lighting	Description: Provide pathway lighting between B and D Streets.	\$12,000
8	8227	Richards/Olive Drive Improvements	Description: Richards/Olive Drive as the entry to Downtown, with enhanced aesthetics, signage and bicycle/pedestrian access.	\$25,000
9	8237	Drexel Blvd. / H Street Bike tunnel	Description: Engineer and construct bicycle and pedestrian improvements on Drexel Drive to include: enhanced crossings, shared roadway bicycle markings (“sharrows”), and tunnel.	\$226,878
10	8718	Cowell Median/Richards Lane Addition	Description: This project will add a second southbound through lane from the I-80 interchange through the Research Park Drive intersection. Additional space will be created by modifying the existing median and intersection at Research Park Drive to allow more cars in the left turn pocket.	\$319,860
Transportation Subtotal				\$3,443,558

Drinking Water Projects

1	8158	EI Macero Valve Replacement	Description: Replacement of approximately 65 deteriorating water valves in EI Macero.	\$200,000
2	8174	Well #34	Description: Develop a new deep-aquifer well at the east end of the Public Works Corporation Yard to provide an additional source of potable water to replace lost production due to failure of other wells..	\$64,915
3	8183	SCADA System Upgrades	Description: Update the system that automatically controls the water supply system by replacing various field components.	\$250,000
4	8186	Citywide Anode Installation	Description: 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
5	8190	Water Main Rehabilitation	Description: Annual project to rehabilitate existing old and failing water lines at various locations throughout the City.	\$500,000
6	8224	East Area Main Upsizing	Description: Improving the distribution system piping near the East Area tank to allow for conveyance at acceptable pressures.	\$294,000
7	8230	Well 29 Decommissioning	Description: The decommissioning of Well 29 which has had problems functioning for several years. The water from this well had a noticeable smell and the well also has been corrupted with sanding many times, which renders carbon filtration units ineffective.	\$200,000
8	8543	Alternative Water Supply Investigation	Description: To study surface water and other water supply options, such as deep aquifer supply, with a coalition of Yolo County agencies: City of Davis, City of Woodland, Yolo County and UCD. This is a multi-year project. Annual funding provides for the City's portion of the shared costs between the participating agencies.	\$13,001,482
Water Subtotal				\$14,760,397
Capital Projects for FY 12/13				\$27,433,891



Projects Completed in FY 2011-12

1	8129	Water	Well 32 Replacement	Description: Implemented water treatment improvements to meet the State requirement for manganese and increase capacity of well.
2	8215	Facilities	City Hall HVAC Rehab	Description: Improved and Updated the HVAC system at City Hall
3	8216	Facilities	VMC Restroom Accessibility	Description: Improved restroom access to meet ADA standards.
4	8220	Transportation	Crossing at Patwin Elementary	Description: Added marked crossings and an elevated speed table in front of Patwin Elementary School.
5	8229	Parks	Northstar Observation Deck	Description: Rehabilitated and improved the observation deck at Northstar Pond



