

CAPITAL IMPROVEMENT PROJECTS

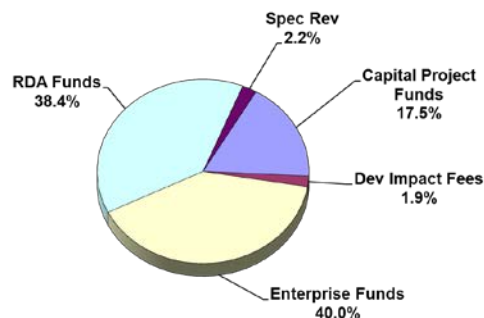
STATEMENT OF PURPOSE

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 2011-12 include:

Revenues by Fund				
<u>Source of Funds</u>	08-09 Actual	09-10 Actual	10-11 Budget	11-12 Budget
General Fund Support	28,673	0	0	0
Capital Project Funds	447,235	0	0	7,000,000
Construction Tax	407,509	0	0	0
Development Impact Fees	1,460,624	597,384	517,076	747,577
Enterprise Funds	13,715,358	4,986,980	7,514,296	16,030,959
General Fund Grants/Designated Revenue	38,314	0	0	0
Internal Service Funds	144,013	0	0	0
RDA Funds	365,784	202,556	268,999	15,407,859
Special Revenue Funds	1,538,614	576,872	570,261	887,502
Total Revenues	18,146,124	9,101,891	8,870,632	40,073,897

Expenses by Category				
<u>Expenditures</u>	08-09 Actual	09-10 Actual	10-11 Budget	11-12 Budget
Capital Expenditures	531,016	1,000	51,000	51,000
Operating Expenditures	16,208,867	4,855,476	7,064,806	38,187,373
Salaries and Benefits	1,406,241	1,507,316	1,754,826	1,835,373
Total Expenditures	18,146,124	9,101,891	8,870,632	40,073,897

**Source of Funds for
Final Budget 2011-12**



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	275,548	265,548	10,000	35,000	752,753	1,063,301	0	0	0	0	1,063,301
8126 - ADA Parking & Facility Compliance	87,191	87,191	0	112,809	0	200,000	0	0	0	0	200,000
8129 - Well 32 Replacement	9,918	9,918	0	0	0	9,918	0	0	0	0	9,918
8138 - Fifth Street Corridor Improvement	60,555	60,555	0	89,445	0	150,000	0	0	0	0	150,000
8139 - Investigate Bike/Ped Xing @ Depot	25,156	25,156	0	0	0	25,156	0	0	0	0	25,156
8164 - 3rd Street Improvements A to B St	46,529	46,529	0	1,277,824	0	1,324,353	0	0	0	0	1,324,353
8166 - Sanitary Sewer Rehab	111,378	111,378	0	638,622	0	750,000	0	0	0	0	750,000
8174 - Well No 33	117,666	117,666	0	1,782,334	0	1,900,000	0	0	0	0	1,900,000
8176 - Additional Core Area Parking	0	0	0	13,950,000	0	13,950,000	0	0	0	0	13,950,000
8178 - Facilities ADA Assessment & Improv	22,333	22,333	0	179,141	55,526	257,000	0	0	0	0	257,000
8183 - SCADA System Upgrades	93,642	93,642	0	156,358	0	250,000	0	0	0	0	250,000
8187 - Water Meter Radio Network	37,458	37,458	0	0	0	37,458	0	0	0	0	37,458
8190 - Water Meter Replacement	107,267	107,267	0	392,733	0	500,000	0	0	0	0	500,000
8199 - First & F St Parking Garage Rehab	1,862	1,862	0	0	0	1,862	0	0	0	0	1,862
8207 - Bike Crossing Drummond/Cowell	66,111	66,111	0	0	0	66,111	0	0	0	0	66,111
8208 - Cowell/Chiles Traffic Circle	69,654	69,654	0	0	0	69,654	0	0	0	0	69,654
8209 - First Street Path Lighting	79,965	79,965	0	0	0	79,965	0	0	0	0	79,965
8210 - Water Main Corrosion Prevention	30,433	30,433	0	169,567	0	200,000	0	0	0	0	200,000
8211 - Central Park Master Plan	30,612	30,612	0	655,942	0	686,554	0	0	0	0	686,554
8216 - VMC Restroom Accessibility	9,353	9,353	0	0	0	9,353	0	0	0	0	9,353
8219 - WWTP Facility Improvement	221,804	221,804	0	5,878,196	0	6,100,000	0	0	0	0	6,100,000
8221 - Anderson Road Corridor Improvement	55,679	55,679	0	294,321	0	350,000	0	0	0	0	350,000
8223 - Aquifer Storage/Recovery	36,152	36,152	0	53,848	0	90,000	0	0	0	0	90,000
8224 - East Area Main Upsizing	32,797	32,797	0	117,203	0	150,000	0	0	0	0	150,000
8225 - Well Irrigation Phase 1 & 2	34,875	34,875	0	740,125	0	775,000	0	0	0	0	775,000
8226 - Hotel Conference Center	0	0	0	5,540,000	0	5,540,000	0	0	0	0	5,540,000
8227 - richards/Cllice Improvements	0	0	0	1,100,000	0	1,100,000	0	0	0	0	1,100,000
8228 - Tank House	0	0	0	110,000	0	110,000	0	0	0	0	110,000
8512 - Public Works Facilities	2,570	2,570	0	0	0	2,570	0	0	0	0	2,570
8543 - Alternative Water Supply Invest	168,223	168,223	0	4,106,777	0	4,275,000	0	0	0	0	4,275,000
8719 - Parks/Open Space Acquisition	0	0	0	50,000	0	50,000	0	0	0	0	50,000
8747 - S Fork Preserve Public Access	642	642	0	0	0	642	0	0	0	0	642
TOTAL CAPITAL IMPROVEMENTS	1,835,373	1,825,373	10,000	37,380,245	858,279	40,073,897	0	0	0	0	40,073,897

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.	\$1,063,301
Administration Subtotal				\$1,063,301

Facilities Projects

1	8178	Facilities ADA Assessment and Improvements	Description: Make improvements to City facilities to attain ADA compliance.	\$257,000
2	8199	First & F Street Parking Garage Rehab	Description: Replace elevator and modify overhang awnings and concrete pads to meet ADA design standards.	\$1,862
3	8216	VMC Restroom Accessibility	Description: Improve restroom access to meet ADA standards.	\$9,353
4	8228	Tank House Relocation	Description: Rehabilitate Tank House, landscape site, and replace sidewalk at 2 nd and E Streets.	\$110,000
5	8226	Hotel Conference Center	Description: Develop Hotel Conference Center in the downtown area.	\$5,540,000
6	8512	Public Works Corp Yard Facility Improvements	Description: Implement minor modifications and improvements to the Corporation Yard facilities to maintain a useable facility.	\$2,570
Facilities Subtotal				\$5,920,785

Parks Projects

1	8211	Central Park Upgrades	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 will be the final phase and is currently not funded.	\$686,554
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	8747	South Fork Preserve Public Access	Description: Surface 1.8 mile on-site trail system to improve public access to Preserve. .	\$642
Parks Subtotal				\$737,196

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.	\$6,100,000
Sewer Subtotal				\$6,850,000

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..	\$200,000
2	8138	Fifth Street Corridor Improvements	Description: Investigate options to adjustments to the Fifth Street Corridor.	\$150,000
3	8138	Investigate at Grade Bike Ped Crossing at Depot	Description: Investigate the possibility of developing an at grade crossing at the train depot	\$25,156
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.	\$1,324,353
5	8176	Additional Core Area Parking	Description: Downtown Core Area Parking Structure.	\$13,950,000
6	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.	\$66,111
7	8208	Cowell/Chiles Traffic Circle	Description: Convert the existing four-way stop controlled intersection into a roundabout to better manage traffic.	\$69,654
8	8209	First Street Path Lighting	Description: Provide pathway lighting between B and D Streets.	\$79,965
9	8221	Anderson Road Corridor Improvements	Description: Corridor Improvements between Russell and Covell Boulevards, including restriping to eliminate of two travel lanes in the 4-lane section (between Alvarado and Villanova), adding center refuge islands, and bulb outs at the intersections.	\$350,000
10	8227	Richards/Olive Drive Improvements	Description: Richards/Olive Drive as the entry to Downtown, with enhanced aesthetics, signage and bicycle/pedestrian access.	\$1,100,000
Transportation Subtotal				\$17,315,239

Drinking Water Projects

1	8129	Well 32 Replacement	Description: Implement water treatment improvements to meet the State requirement for manganese and increase the capacity of well.	\$9,918
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..	\$1,900,000
3	8183	SCADA System Upgrades	Description: Update the system that automatically controls the water supply system by replacing various field components.	\$250,000
4	8187	Fixed Network Radio-Read Water Meters	Description: Water meters that are read via radio signal.	\$37,458
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	8210	Water Main Corrosion Prevention	Description: Implement a multi-year plan of improvements to reduce the impact of corrosion of the water lines in areas of the City with a history of corrosion damage.	\$200,000
7	8223	Aquifer Storage and Recovery	Description: Investigate the possibility to store surface water during the winter into our intermediate aquifer and pump it out in the higher use summer months.	\$90,000
8	8224	East Area Main Upsizing	Description: Improving the distribution system piping near the East Area tank to allow for conveyance at acceptable pressures.	\$150,000
9	8225	Well Irrigation (Phases 1&2)	Description: Irrigation of some of our parks from dedicated irrigation wells instead of being tied into our drinking water system. Some analysis will be necessary before implementation can begin.	\$775,000
10	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.	\$4,275,000
Water Subtotal				\$8,187,376
(32) Capital Projects for FY 11/12				\$40,073,897

Projects Completed in FY 2010-11

1	8213	Facilities	VMC Storage	Description: Addition of two 20' storage containers at VMC.
2	8214	Facilities	Open Space Implementation Plan	Description: Updated City Open Space Implementation which guides acquisitions and implementation of program.
3	8181	Sewer	Hydraulic Capacity study	Description: Performed a study to analyze the capacity of the existing system of sewer lines throughout the City.
4	8163	Transportation	Second Street Pedestrian Improvements	Description: Modified street corners and street crossings to improve the flow of pedestrian traffic in the corridor.
5	8718	Transportation	Richards Blvd/Cowell Blvd Lane Addition	Description: Added an additional southbound travel lane on Richards Blvd. between the I-80 intersection and the Research Park intersection.
6	8158	Water	EI Macero Valve Replacement	Description: Replaced old valves within the EI Macero development just east of Mace Road.
7	8172	Water	East Area Water Storage Tank	Description: Constructed an above ground water storage facility in the vicinity of Mace Blvd. and CR 32A to accommodate peak water demand needs.

