

# 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 2010-11 include:

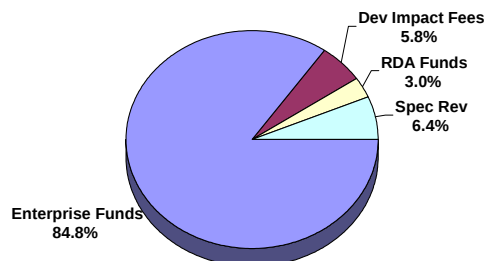
### Revenues by Fund

| <u>Source of Funds</u>                 | 07-08 Actual     | 08-09 Actual      | 09-10 Budget     | 10-11 Budget     |
|----------------------------------------|------------------|-------------------|------------------|------------------|
| General Fund Support                   | 605,834          | 28,673            | 0                | 0                |
| Capital Project Funds                  | 59,407           | 447,235           | 0                | 0                |
| Construction Tax                       | 172,315          | 407,509           | 0                | 0                |
| Development Impact Fees                | 2,195,460        | 1,460,624         | 597,384          | 517,076          |
| Enterprise Funds                       | 3,232,697        | 13,715,358        | 4,986,980        | 7,514,296        |
| General Fund Grants/Designated Revenue | 3,821            | 38,314            | 0                | 0                |
| Internal Service Funds                 | 0                | 144,013           | 0                | 0                |
| RDA Funds                              | 72,419           | 365,784           | 202,556          | 268,999          |
| Special Revenue Funds                  | 1,724,823        | 1,538,614         | 576,872          | 570,261          |
| <b>Total Revenues</b>                  | <b>8,066,776</b> | <b>18,146,124</b> | <b>6,363,792</b> | <b>8,870,632</b> |

### Expenses by Category

| <u>Expenditures</u>       | 07-08 Actual     | 08-09 Actual      | 09-10 Budget     | 10-11 Budget     |
|---------------------------|------------------|-------------------|------------------|------------------|
| Capital Expenditures      | 630,200          | 531,016           | 1,000            | 51,000           |
| Operating Expenditures    | 6,324,118        | 16,208,867        | 4,855,476        | 7,064,806        |
| Salaries and Benefits     | 1,112,458        | 1,406,241         | 1,507,316        | 1,754,826        |
| <b>Total Expenditures</b> | <b>8,066,776</b> | <b>18,146,124</b> | <b>6,363,792</b> | <b>8,870,632</b> |

Source of Funds for  
Final Budget 2010-11



| Department/Program                          | Salaries & Benefits w/o | EXPENDITURES BY CATEGORY |          |                       |                | FUNDING SOURCES |              |                             |                                         |                            |             |
|---------------------------------------------|-------------------------|--------------------------|----------|-----------------------|----------------|-----------------|--------------|-----------------------------|-----------------------------------------|----------------------------|-------------|
|                                             |                         | 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                        |                         |                          |          |                       |                |                 |              |                             |                                         |                            |             |
| 81110 - Capital Improvement Administration  | 258,692                 | 248,001                  | 10,691   | 85,000                | 198,355        | 542,047         | 0            | 0                           | 0                                       | 0                          | 542,047     |
| 81119 - WWTP Facilities Plan & Construction | 273,162                 | 273,162                  | 0        | 0                     | 0              | 273,162         | 0            | 0                           | 0                                       | 0                          | 273,162     |
| 8126 - ADA Parking & Facility Compliance    | 43,591                  | 43,591                   | 0        | 276,409               | 0              | 320,000         | 0            | 0                           | 0                                       | 0                          | 320,000     |
| 8129 - Well 32 Replacement                  | 48,431                  | 48,431                   | 0        | 1,051,569             | 0              | 1,100,000       | 0            | 0                           | 0                                       | 0                          | 1,100,000   |
| 8139 - Investigate Bike/Ped Xing @ Depot    | 34,140                  | 34,140                   | 0        | 15,860                | 0              | 50,000          | 0            | 0                           | 0                                       | 0                          | 50,000      |
| 8158 - El Macero Valve Replacement          | 2,304                   | 2,304                    | 0        | 347,696               | 0              | 350,000         | 0            | 0                           | 0                                       | 0                          | 350,000     |
| 8163 - 2nd Street Pedestrian Improvements   | 54,061                  | 54,061                   | 0        | 0                     | 0              | 54,061          | 0            | 0                           | 0                                       | 0                          | 54,061      |
| 8164 - 3rd Street Improvements A to B St    | 60,735                  | 60,735                   | 0        | 139,265               | 0              | 200,000         | 0            | 0                           | 0                                       | 0                          | 200,000     |
| 8166 - Sanitary Sewer Rehab                 | 64,284                  | 64,284                   | 0        | 45,716                | 0              | 110,000         | 0            | 0                           | 0                                       | 0                          | 110,000     |
| 8172 - East Area Tank                       | 56,125                  | 56,125                   | 0        | 93,875                | 0              | 150,000         | 0            | 0                           | 0                                       | 0                          | 150,000     |
| 8174 - Well No 33                           | 142,862                 | 142,862                  | 0        | 1,757,138             | 0              | 1,900,000       | 0            | 0                           | 0                                       | 0                          | 1,900,000   |
| 8176 - Additional Core Area Parking         | 3,713                   | 3,713                    | 0        | 1,462                 | 0              | 5,175           | 0            | 0                           | 0                                       | 0                          | 5,175       |
| 8178 - Facilities ADA Assessment & Improv   | 36,474                  | 36,474                   | 0        | 0                     | 55,526         | 92,000          | 0            | 0                           | 0                                       | 0                          | 92,000      |
| 8181 - Hydraulic Capacity Study             | 22,486                  | 22,486                   | 0        | 0                     | 0              | 22,486          | 0            | 0                           | 0                                       | 0                          | 22,486      |
| 8183 - SCADA System Upgrades                | 126,224                 | 126,224                  | 0        | 123,776               | 0              | 250,000         | 0            | 0                           | 0                                       | 0                          | 250,000     |
| 8190 - Water Main Replacement               | 65,784                  | 65,784                   | 0        | 434,216               | 0              | 500,000         | 0            | 0                           | 0                                       | 0                          | 500,000     |
| 8193 - UCD Water Connection                 | 10,498                  | 10,498                   | 0        | 0                     | 0              | 10,498          | 0            | 0                           | 0                                       | 0                          | 10,498      |
| 8199 - First & F St Parking Garage Rehab    | 642                     | 642                      | 0        | 90,259                | 0              | 90,901          | 0            | 0                           | 0                                       | 0                          | 90,901      |
| 8207 - Bike Crossing Drummond/Cowell        | 31,038                  | 31,038                   | 0        | 28,962                | 0              | 60,000          | 0            | 0                           | 0                                       | 0                          | 60,000      |
| 8208 - Cowell/Chiles Traffic Circle         | 63,762                  | 63,762                   | 0        | 11,238                | 0              | 75,000          | 0            | 0                           | 0                                       | 0                          | 75,000      |
| 8209 - First Street Path Lighting           | 16,706                  | 16,706                   | 0        | 0                     | 0              | 16,706          | 0            | 0                           | 0                                       | 0                          | 16,706      |
| 8210 - Water Main Corrosion Prevention      | 24,386                  | 24,386                   | 0        | 175,614               | 0              | 200,000         | 0            | 0                           | 0                                       | 0                          | 200,000     |
| 8213 - VMC Storage                          | 0                       | 0                        | 0        | 10,300                | 0              | 10,300          | 0            | 0                           | 0                                       | 0                          | 10,300      |
| 8214 - Open Space Implementation Plan       | 0                       | 0                        | 0        | 30,000                | 0              | 30,000          | 0            | 0                           | 0                                       | 0                          | 30,000      |
| 8216 - VMC Restroom Accessibility           | 0                       | 0                        | 0        | 120,000               | 0              | 120,000         | 0            | 0                           | 0                                       | 0                          | 120,000     |
| 8512 - Public Works Facilities              | 3,387                   | 3,387                    | 0        | 16,613                | 0              | 20,000          | 0            | 0                           | 0                                       | 0                          | 20,000      |
| 8543 - Alternative Water Supply Invest      | 261,605                 | 261,605                  | 0        | 1,898,457             | 0              | 2,160,062       | 0            | 0                           | 0                                       | 0                          | 2,160,062   |
| 8718 - Cowell Boulevard Medians             | 49,734                  | 49,734                   | 0        | 0                     | 0              | 49,734          | 0            | 0                           | 0                                       | 0                          | 49,734      |
| 8719 - Parks/Open Space Acquisition         | 0                       | 0                        | 0        | 0                     | 50,000         | 50,000          | 0            | 0                           | 0                                       | 0                          | 50,000      |
| 8747 - S Fork Preserve Public Access        | 0                       | 0                        | 0        | 58,500                | 0              | 58,500          | 0            | 0                           | 0                                       | 0                          | 58,500      |
| TOTAL CAPITAL IMPROVEMENTS                  | 1,754,826               | 1,744,135                | 10,691   | 6,811,925             | 303,881        | 8,870,632       | 0            | 0                           | 0                                       | 0                          | 8,870,632   |

## 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. | \$542,047        |
| <b>Administration Subtotal</b> |      |                                                            |                                                                                                                                                                                                                                                                                                                                                                    | <b>\$542,047</b> |

### Facilities Projects

|                            |      |                                                     |                                                                                                                                                                                                                  |                  |
|----------------------------|------|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| 1                          | 8178 | <b>Facilities ADA Assessment and Improvements</b>   | <b>Description:</b> Make improvements to City facilities to attain ADA compliance.                                                                                                                               | \$92,000         |
| 2                          | 8199 | <b>First &amp; F Street Parking Garage Rehab</b>    | <b>Description:</b> Replace elevator and modify overhang awnings and concrete pads to meet ADA standards.                                                                                                        | \$90,901         |
| 3                          | 8213 | <b>VMC Storage</b>                                  | <b>Description:</b> Addition of two 20' storage containers at VMC. This will require adding two roll-up doors to container, modification of existing enclosure area, new gates and removal of old shed building. | \$10,300         |
| 4                          | 8214 | <b>Open Space Implementation Plan</b>               | <b>Description:</b> Update City Open Space Implementation Plan - originally completed in 1998. Guides acquisitions and implementation of program.                                                                | \$30,000         |
| 5                          | 8216 | <b>VMC Restroom Accessibility</b>                   | <b>Description:</b> Improve restroom access to meet ADA standards.                                                                                                                                               | \$120,000        |
| 6                          | 8512 | <b>Public Works Corp Yard Facility Improvements</b> | <b>Description:</b> Implement minor modifications and improvements to the Corporation Yard facilities to maintain a useable facility.                                                                            | \$20,000         |
| <b>Facilities Subtotal</b> |      |                                                     |                                                                                                                                                                                                                  | <b>\$363,201</b> |

### Parks Projects

|                       |      |                                          |                                                                                                                                       |                  |
|-----------------------|------|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------------|
| 1                     | 8719 | <b>Parks/Open Space Acquisition</b>      | <b>Description:</b> Ongoing program for the recognition and acquisition of Parks and Open Space Land in and around the City of Davis. | \$50,000         |
| 2                     | 8747 | <b>South Fork Preserve Public Access</b> | <b>Description:</b> Surface 1.8 mile on-site trail system to improve public access to Preserve. .                                     | \$58,500         |
| <b>Parks Subtotal</b> |      |                                          |                                                                                                                                       | <b>\$108,500</b> |

**Sewer (Wastewater) Projects**

|                       |      |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                  |
|-----------------------|------|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| 1                     | 8119 | <b>WWTP Master Planning, Pre-design, CEQA Documentation, and Design</b> | <b>Description:</b> 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. | \$273,162        |
| 2                     | 8166 | <b>Sanitary Sewer Line Rehabilitation</b>                               | <b>Description:</b> Annual rehabilitation of sewer line segments at various locations within the City.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | \$110,000        |
| 3                     | 8181 | <b>Hydraulic Capacity study</b>                                         | <b>Description:</b> Perform a study to analyze the capacity of the existing system of sewer lines throughout the City.                                                                                                                                                                                                                                                                                                                                                                                                                                                        | \$22,486         |
| <b>Sewer Subtotal</b> |      |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>\$405,648</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..                                                                                                                         | \$320,000 |
| 2 | 8138 | <b>Fifth Street Corridor Improvements</b>                                         | <b>Description:</b> Investigate options to adjustments to the Fifth Street Corridor.                                                                                                                                                                                | \$50,000  |
| 3 | 8163 | <b>Second Street Pedestrian Improvements</b>                                      | <b>Description:</b> Modify street corners and street crossings to improve the flow of pedestrian traffic in the corridor.                                                                                                                                           | \$54,061  |
| 4 | 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.                                                                                        | \$200,000 |
| 5 | 8176 | <b>Additional Core Area Parking</b>                                               | <b>Description:</b> Study potential downtown sites for creation of additional public parking..                                                                                                                                                                      | \$5,175   |
| 6 | 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. | \$60,000  |
| 7 | 8208 | <b>Cowell/Chiles Traffic Circle</b>                                               | <b>Description:</b> Convert the existing four-way stop controlled intersection into a roundabout to better manage traffic.                                                                                                                                          | \$75,000  |
| 8 | 8209 | <b>First Street Path Lighting</b>                                                 | <b>Description:</b> Provide pathway lighting between B and D Streets.                                                                                                                                                                                               | \$16,706  |

Capital Improvement Projects

|                        |      |                                                |                                                                                                                                                  |                  |
|------------------------|------|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| 9                      | 8718 | <b>Richards Blvd/Cowell Blvd Lane Addition</b> | <b>Description:</b> Add an additional southbound travel lane on Richards Blvd. between the I-80 intersection and the Research Park intersection. | \$49,734         |
| <b>Trans. Subtotal</b> |      |                                                |                                                                                                                                                  | <b>\$830,676</b> |

Drinking Water Projects

|                                           |      |                                               |                                                                                                                                                                                                                                                                                                                                                     |                    |
|-------------------------------------------|------|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| 1                                         | 8129 | <b>Well 32 Replacement</b>                    | <b>Description:</b> Implement water treatment improvements to meet the State requirement for manganese and increase the capacity of well.                                                                                                                                                                                                           | \$1,100,000        |
| 2                                         | 8158 | <b>El Macero Valve Replacement</b>            | <b>Description:</b> Replace old valves within the El Macero development just east of Mace Road.                                                                                                                                                                                                                                                     | \$350,000          |
| 3                                         | 8172 | <b>East Area Water Storage Tank</b>           | <b>Description:</b> Construct an above ground water storage facility in the vicinity of Mace Blvd. and CR 32A to accommodate peak water demand needs.                                                                                                                                                                                               | \$150,000          |
| 4                                         | 8174 | <b>Well #33</b>                               | <b>Description:</b> 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        |
| 5                                         | 8183 | <b>SCADA System Upgrades</b>                  | <b>Description:</b> Update the system that automatically controls the water supply system by replacing various field components.                                                                                                                                                                                                                    | \$250,000          |
| 6                                         | 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          |
| 7                                         | 8193 | <b>UCD Water Connection</b>                   | <b>Description:</b> Potential Inter-tie of City / UCD water                                                                                                                                                                                                                                                                                         | \$10,498           |
| 8                                         | 8210 | <b>Water Main Corrosion Prevention</b>        | <b>Description:</b> 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          |
| 9                                         | 8543 | <b>Alternative Water Supply Investigation</b> | <b>Description:</b> 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.<br><br>This is a multi-year project. Annual funding provides for the City's portion of the shared costs between the participating agencies. | \$2,160,062        |
| <b>Water Subtotal</b>                     |      |                                               |                                                                                                                                                                                                                                                                                                                                                     | <b>\$6,620,560</b> |
| <b>(30) Capital Projects for FY 10/11</b> |      |                                               |                                                                                                                                                                                                                                                                                                                                                     | <b>\$8,870,632</b> |

**Projects Completed in FY 2009-10**

|   |      |                |                                                                        |                                                                                                                                                                                                                                                       |
|---|------|----------------|------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | 8191 | Facilities     | <b>Bicycle Museum</b>                                                  | <b>Description:</b> The City of Davis and UC Davis acquired a collection of antique bicycles. There was formerly no permanent place to exhibit them.                                                                                                  |
| 2 | 8195 | Facilities     | <b>Varsity Theatre – Second Screen</b>                                 | <b>Description:</b> Converted the former stage area to a 90+ seat theater with access via a new corridor along the easterly side of the existing building.                                                                                            |
| 3 | 8197 | Facilities     | <b>Varsity Theatre – ADA Restroom</b>                                  | <b>Description:</b> Created an accessible family-style restroom adjacent to the second screen.                                                                                                                                                        |
| 4 | 8165 | Sewer          | <b>Master Plan Old Landfill Site</b>                                   | <b>Description:</b> Completed study to investigate possible re-use of old landfill site off of Pole Line Road north of Covell Boulevard.                                                                                                              |
| 5 | 8204 | Water          | <b>Reconstruct Maintenance Hole Structure at Sixth &amp; G Streets</b> | <b>Description:</b> Repaired damaged structure to prevent further deterioration and possible failure.                                                                                                                                                 |
| 6 | 8161 | Transportation | <b>8<sup>th</sup> Street Corridor Improvements</b>                     | <b>Description:</b> Enhanced the existing public facilities between L Street and Pole Line Road to provide for better pedestrian, bicycle and transit access between the surrounding residential areas and the neighborhood commercial/office center. |
|   |      |                |                                                                        |                                                                                                                                                                                                                                                       |