

CAPITAL IMPROVEMENT PROJECTS

STATEMENT OF PURPOSE

The Capital Improvements Projects division plans, designs, and constructs all new city improvements identified in the 5-year Capital Improvement Plan plus, major rehabilitation of existing facilities. Budget highlights for Fiscal Year 2003/04 include:



PARKS

Mace Ranch Community Park – Design is underway for this hybrid park that will include both active and passive features. New play areas and fields will be incorporated with natural habitat areas. Construction is expected to begin spring 2004.



FACILITIES

Senior Center – This facility will be expanded by approximately 3,200 square feet and modify some existing spaces. The expansion is funded primarily by donations collected by the seniors.

Public Works Facility – Develop master plan to rehabilitate and construct new facilities for Public Works operations and maintenance activities. This will include a feasibility study for a joint use corporation yard.

Wastewater Treatment Plant

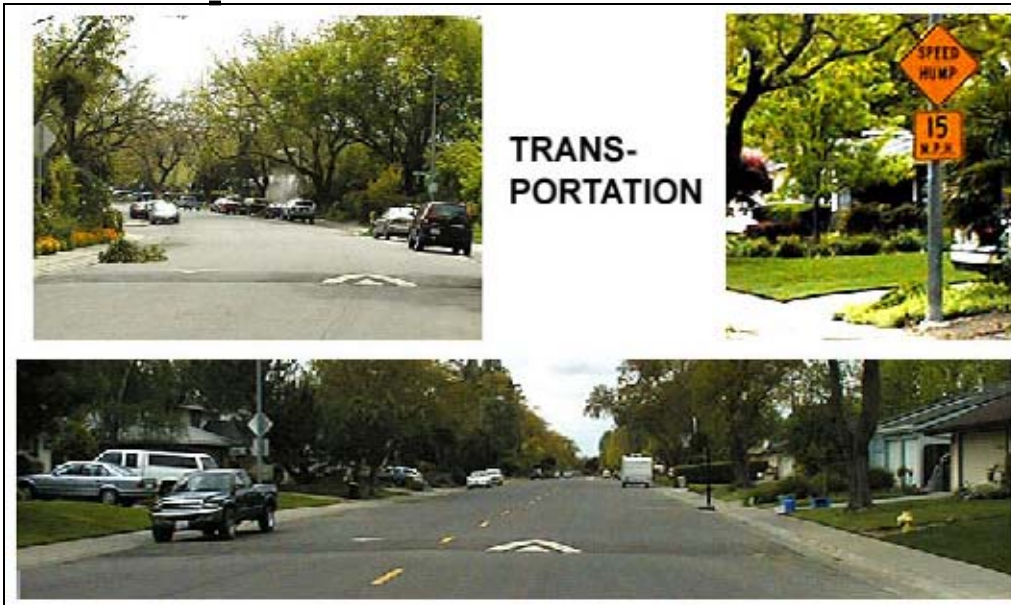


UTILITIES

Wastewater Facility Study and Construction

The pending State Permit allowing the city to discharge treated wastewater is expected to require advanced treatment processes as well as upgrades to existing plant facilities. These upgrades are estimated to cost approximately \$40 million.

Water Well #32: Fiscal Year 03/04 reflects funding for investigating possible sites and drilling a test hole.



TRANSPORTATION

Traffic Safety Measures: This safety program evaluates neighborhood concerns of speeding and tries to mitigate problems with various techniques, including speed humps.

Depot/Sidewalk Rehabilitation: This project will continue transportation improvements with sidewalk realignment of the "H" Street alley and intersection improvements for H and 2nd Streets.

Speed Bumps

CAPITAL IMPROVEMENT
PROJECTS
SUMMARY

CAPITAL IMPROVEMENT PROJECTS

<u>Source of Funds</u>	<u>Actual 2001-02</u>	<u>Budget 2002-03</u>	<u>Estimated 2002-03</u>	<u>Budget 2003-04</u>
Capital Project Funds	425,295	326,115	189,317	270,461
Construction Tax	1,099,229	3,257,466	1,383,687	2,133,252
Development Impact Fees	2,320,118	2,824,979	719,674	5,551,988
Enterprise Funds	1,339,376	2,620,663	2,860,080	4,200,904
Fees & Charges	1,391	0	0	0
Grants/Designated Revenue	4,127	379,156	155,028	2,579,248
Internal Service Funds	0	235,000	0	235,000
Public Safety Srv Fee/Tax	143,001	0	49,737	0
RDA Funds	2,306,740	640,756	675,551	438,130
Special Revenue Funds	179,474	724,561	348,113	910,747
Total Revenues	7,818,751	11,008,696	6,381,187	16,319,730

<u>Expenditures</u>	<u>Actual 2001-02</u>	<u>Budget 2002-03</u>	<u>Estimated 2002-03</u>	<u>Budget 2003-04</u>
Capital Expenditures	264,642	67,000	1,000	261,500
Operating Expenditures	6,793,171	10,047,557	5,457,490	15,005,621
Salaries and Benefits	760,938	894,139	922,697	1,052,609
Total Expenditures	7,818,751	11,008,696	6,381,187	16,319,730

The Capital Improvement Projects (CIP) budget is a collection of CIP programs but it does not represent a city department. Therefore, there are no pie charts for this budget section on department expenditure percentage or a department share of general fund support.

ENGINEERING

CIP

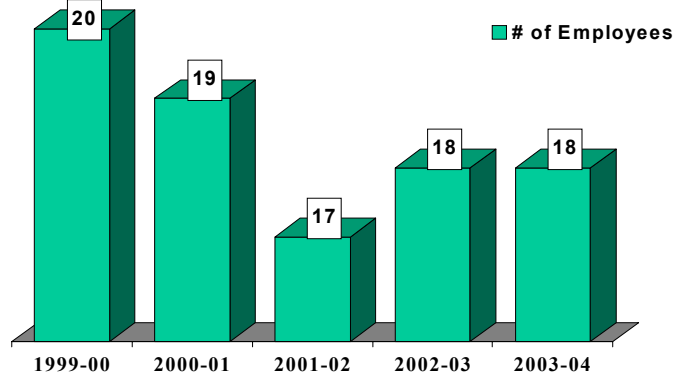
City Engineer 1.0
 Senior Civil Engineer 1.0
 Associate Civil Engineer 1.0
 Assistant Engineer 1.0
 Engineering Assistant 1.0
 Public Works Inspector 1.0
 Bike/Pedestrian Coordinator 1.0
 Public Works Inspection Supervisor 1.0

Support

Assistant City Engineer 1.0
 Associate Civil Engineer 1.0
 Engineering Assistant 1.0
 Engineering Technician 3.0
 Public Works Inspector 2.0
 Associate Engineer / Traffic 1.0
 Associate Engineer / Pavement 1.0

FULL TIME EQUIVALENT	(FTE)
Regular Full Time	18.00
Regular Part Time	0.00
Temporary Part Time	<u>0.00</u>
Total FTE's	18.00

Five Year Human Resource Trend Engineering



ADMINISTRATION

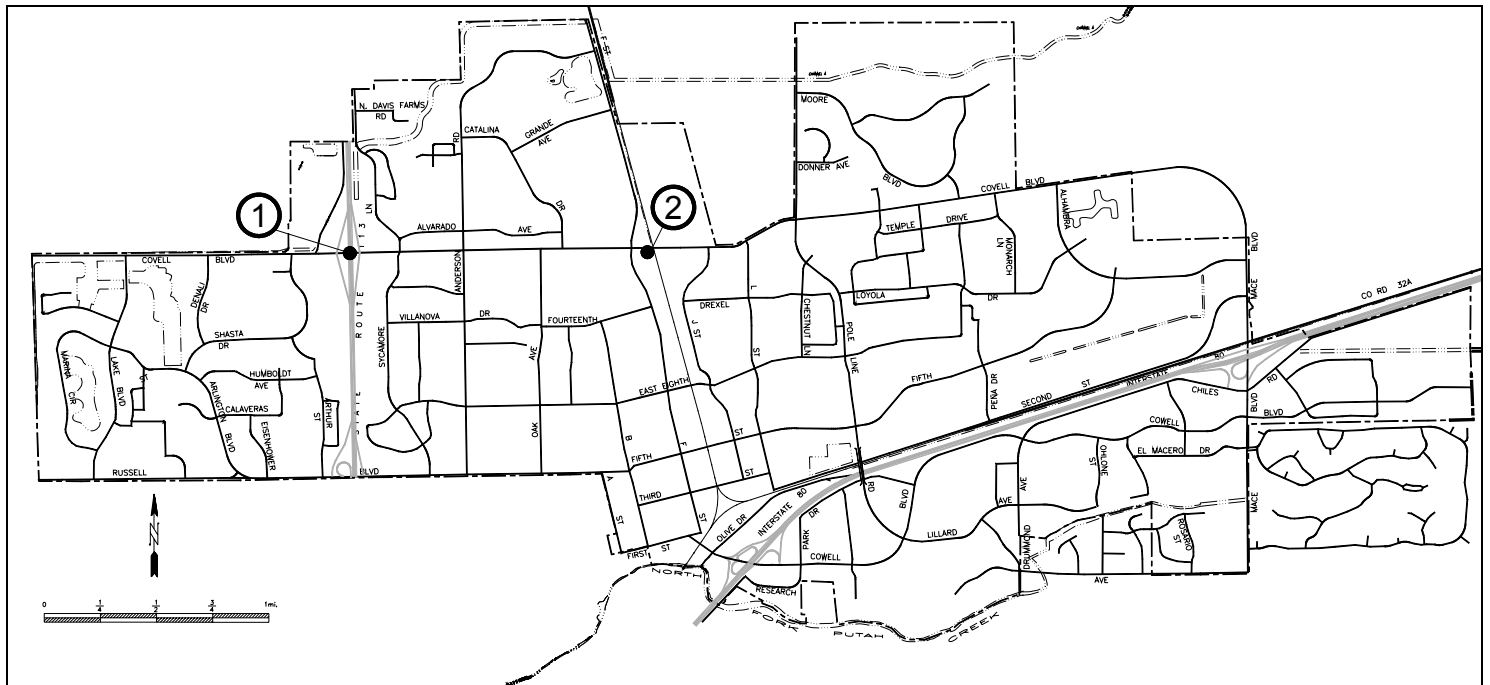


<http://www.city.davis.ca.us/pw/CIP/>

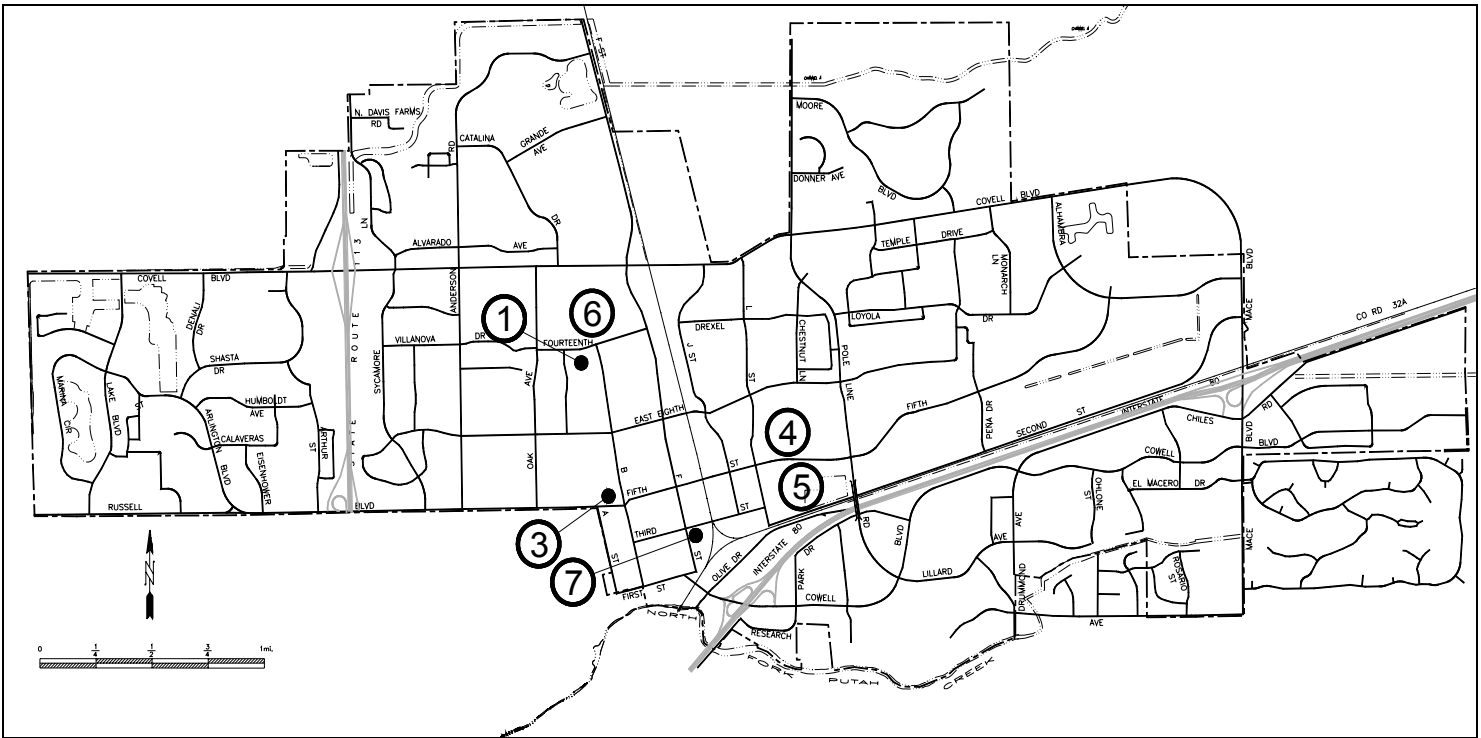
1	8110	Capital Improvement Program Administration	<p>Description: Administer the city's CIP Programs which implement the city's 5-Year Capital Improvement Plan, replace infrastructure, and other Capital Improvements approved by City Council.</p> <p>Includes major fixed expenses such as equipment, internal service charges such information systems, and insurance and training for 19 staff positions.</p>	\$421,363
2	8552	Developer & Other Reimbursements	<p>Description: To administer reimbursements to developers for the installation of oversized facilities in the water, storm sewer, sewer, streets, and for constructing portions of city wide CIP projects. Reimbursements are made as funds become available. This is an ongoing program.</p>	\$487,280
Administration Subtotal				\$908,643

STORM SEWER PROJECTS

1	8122	Storm Drain SR 113/Covell	<p>Description: The current open ditch along the north edge of Covell Blvd. between John Jones Road and SR 113 will eventually be replaced by an underground drainage pipe after an alternative to the Covell Ditch has been constructed. The construction timing is contingent upon eventual relocation of the major Covell Blvd drainage ditch.</p> <p>03/04 Goals: Complete design, plans and specifications. Construction will be programmed in an undetermined future year.</p>	\$19,954
2	8768	H Street Pump Station Improvements	<p>Description: Major replacements and upgrades to assure continued reliability of this major drainage pump station for the central portion of the city. Pump station is located at H Street and Covell Boulevard (Little League field). Major improvements include diesel ventilation system, pump control system, and low flow pump capacity.</p> <p>03/04 Goals: Project awarded in FY 02/03 and complete construction summer 2003.</p>	\$24,940
Storm Sewer Subtotal				\$44,894



FACILITIES PROJECTS



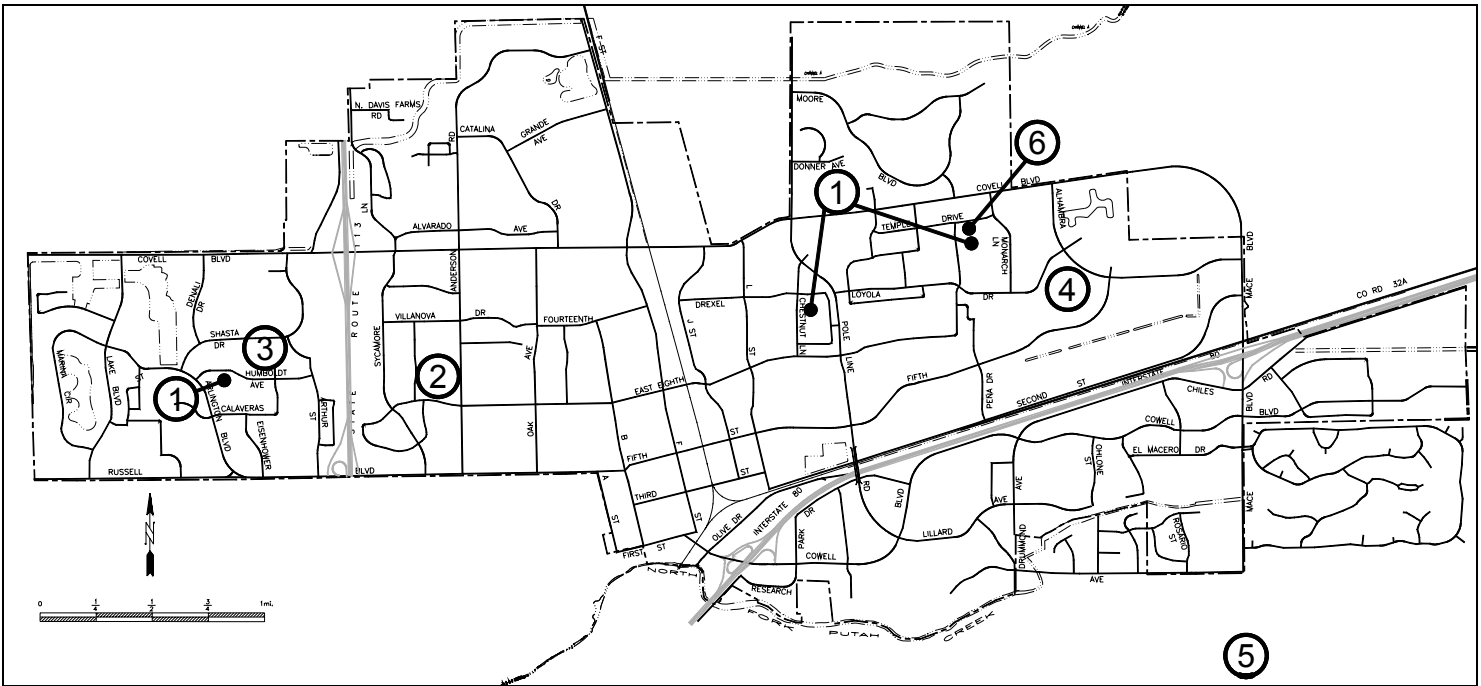
1	8120	Senior Center Expansion	<p>Description: Expand Center approximately 3,200 square feet and remodel some adjacent areas. Solicitation for design architects was initiated in FY 01/02.</p> <p>03/04 Goals: Award contract and complete construction.</p>	\$1,093,798
2	8127	Police Dept. Substation	<p>Description: Design and construct interior improvements necessary for a functional substation.</p> <p>03/04 Goals: Design and construct in FY 03/04.</p>	\$79,114
3	8128	City Hall Elevator	<p>Description: Install elevator to provide full access to second floor offices of City Hall.</p> <p>03/04 Goals: Design and construct in FY 03/04.</p>	\$162,255
4	8512	Public Works Facilities (1717 Fifth Street)	<p>Description: Current Public Works staff facilities consist of two metal buildings and five trailers. Previous analysis for facility improvement identified: new 9,400 SF admin building, new trailer with showers/lockers, minimum remodel two metal buildings and new water meter shop.</p> <p>03/04 Goals: Before initiating further study/design on items identified to date, work w/ City Manager and other interested agencies to determine feasibility of joint use facilities.</p>	\$412,932

FACILITIES PROJECTS (continued)

5	8655	Parks & Fleet Facilities (1818 Fifth Street)	<p>Description: Provide adequate facility space for personnel, vehicle maintenance, and shops to meet the support requirements of the community. The Davis Waste Removal site was purchased in 1993.</p> <p>03/04 Goals: Complete the remodel of the main administration building (second floor office spaces and ground floor bathrooms plus some Parks staff space in the fleet building).</p>	\$592,433
6	8677	VMC Theater Stage Expansion	<p>Description: The remodel plus 1,200 square foot expansion will:</p> <ul style="list-style-type: none"> • Add accessible restrooms in the theater lobby area. • Add public meeting space that is accessible and contains live and video broadcasting capabilities. • Add theater space with accessible lighting controls for special community offerings. <p>03/04 Goals: Award contract and complete construction.</p>	\$595,025
7	8721	Historic City Hall	<p>Description: Administrative support to implement best utilization of space.</p>	\$24,902
8	8746	Public Safety Radio System	<p>Description: This project includes analysis of the current radio/communications system, which will result in a recommendation to convert to an 800 MHz system or to implement the best alternate. Almost all California public safety organizations have converted to 800MHz systems.</p> <p>03/04 Goals: Bid and award contract for equipment and installation.</p>	\$1,974,526
Facilities Subtotal				\$4,934,985



PARKS PROJECTS



1	8112	Tennis Court Rehabilitation	<p>Description: Repair and resurface city tennis courts. In FY 0203, two years of rehabilitation were completed at the following locations: Pioneer Park, Redwood Park, Chestnut Park, Sycamore Park, Slide Hill Park, Covell Park, West Manor Park, and Emerson Junior High plus the in-line skate court at West Manor Park.</p> <p>03/04 Goals: Complete rehab construction.</p>	\$9,042
2	8113	Relocate Alternative Rec Building	<p>Description: Relocate from Redwood Park to suitable new location. The expanded Senior Citizens Center will accommodate the Alternative Rec. program.</p> <p>03/04 Goals: Plans and specifications for the Senior Expansion should be completed Spring of 2003. Construction completion about Spring of 2004.</p>	\$53,423
3	8642	Arroyo Community Park	<p>Description: The west Davis community park.</p> <p>03/04 Goals: Install restrooms.</p>	\$16,415

PARKS PROJECTS

4	8649	Mace Ranch Community Park	<p>Description: Plan, design and construct a 24-acre community park in east Davis. The first 5 acres were completed in 1997. Council has approved a park that has both active and passive features for the remaining acreage.</p> <p>03/04 Goals: Complete design. Bid and award construction contract. Construction estimated to begin Spring 2004.</p>	\$2,436,674
5	8744	South Fork Preserve	<p>Description: This project is one of habitat restoration within the South Fork Preserve. Included is the removal of tamarisk and other exotic, ruderal plants from within the preserve. Additional plantings will be selected and planted.</p> <p>Complete property acquisition as necessary.</p> <p>This project is expected to cover multiple years, as there is an extensive maintenance period for the new plantings as well as to ensure that the ruderal plants do not re-establish themselves in the habitat area.</p> <p>03/04 Goals: Hire consultant, prepare habitat restoration plans. Begin construction of the improvements.</p>	\$289,225
6	8796	Manor Pool Complex Rehabilitation	<p>Description: Rehabilitate this 27-year-old pool facility as critical replacement items are identified or require in service replacement. A complete rebuild of this facility is not affordable, so this approach is the "pay as you go" solution.</p> <p>03/04 Goals: Funding is available for major capital replacement for this almost 30-year-old complex. Anticipated replacements this year are the pool heater and two circulation pumps.</p>	\$707,972
Parks Subtotal				\$3,512,751



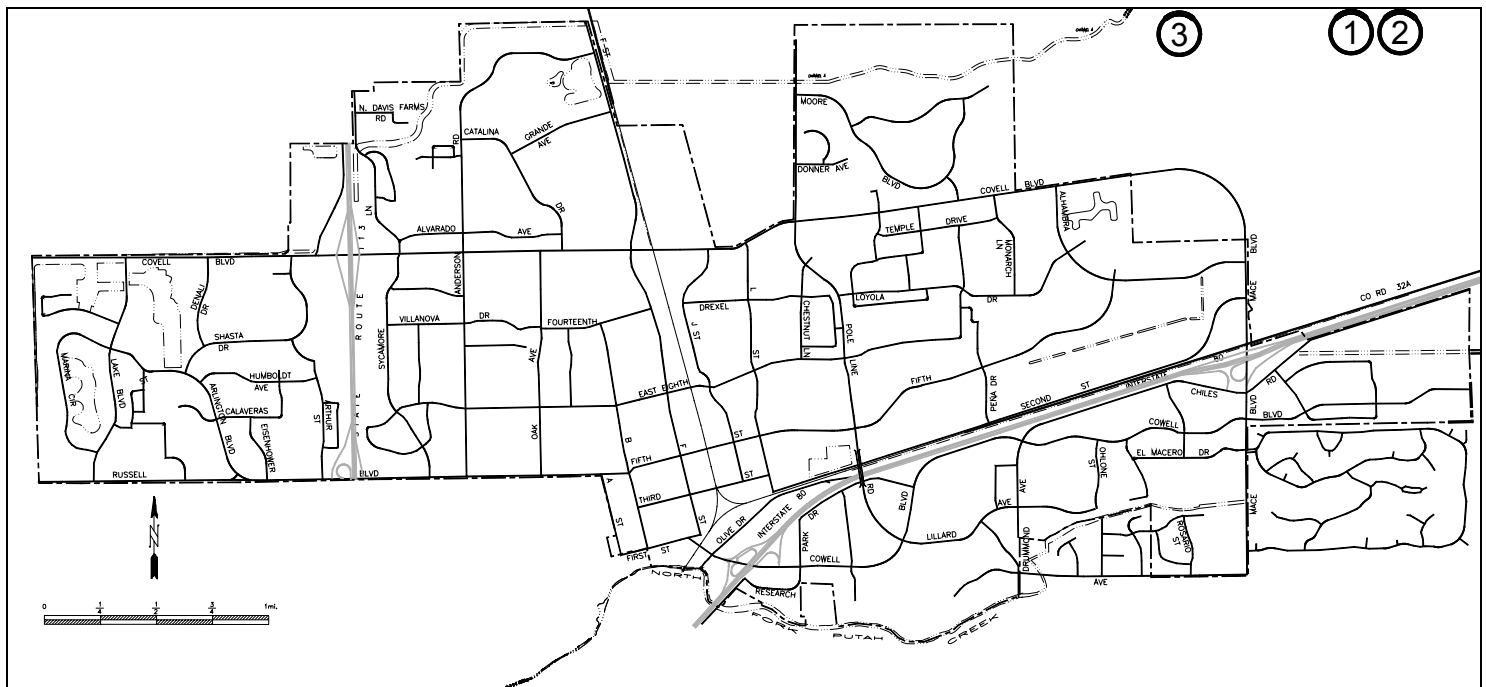
SEWER (WASTEWATER) PROJECTS

1	8119	WWTP Facility Study and Construction	<p>Description: The pending State 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. Expenditures for the required facilities are estimated to be \$40 million.</p> <p>03/04 Goals: Engage a sanitary engineering consultant to assess existing systems, evaluate alternative wastewater disposal and reuse options, and perform the design of facilities that will satisfy the new State Permit. Other tasks include the preparation of an environmental document and a financial plan to fund the large capital expenditures. This complicated process takes 3 to 4 years prior to beginning actual construction of new facilities.</p>	\$532,928
2	8624	Wetlands Construction	<p>Description: Review the existing conveyance facilities to optimize storm water flow into wetlands. This program also includes final payment to construction of the wetlands. Upon final accounting from Corps of Engineers, city shall submit final payment.</p> <p>03/04 Goals: Identify any required facility upgrades or additions and compose Operations Manual. The conveyance facilities help the City meet existing and possible future National Pollution Discharge Elimination System requirements for storm runoff waters.</p>	\$183,503

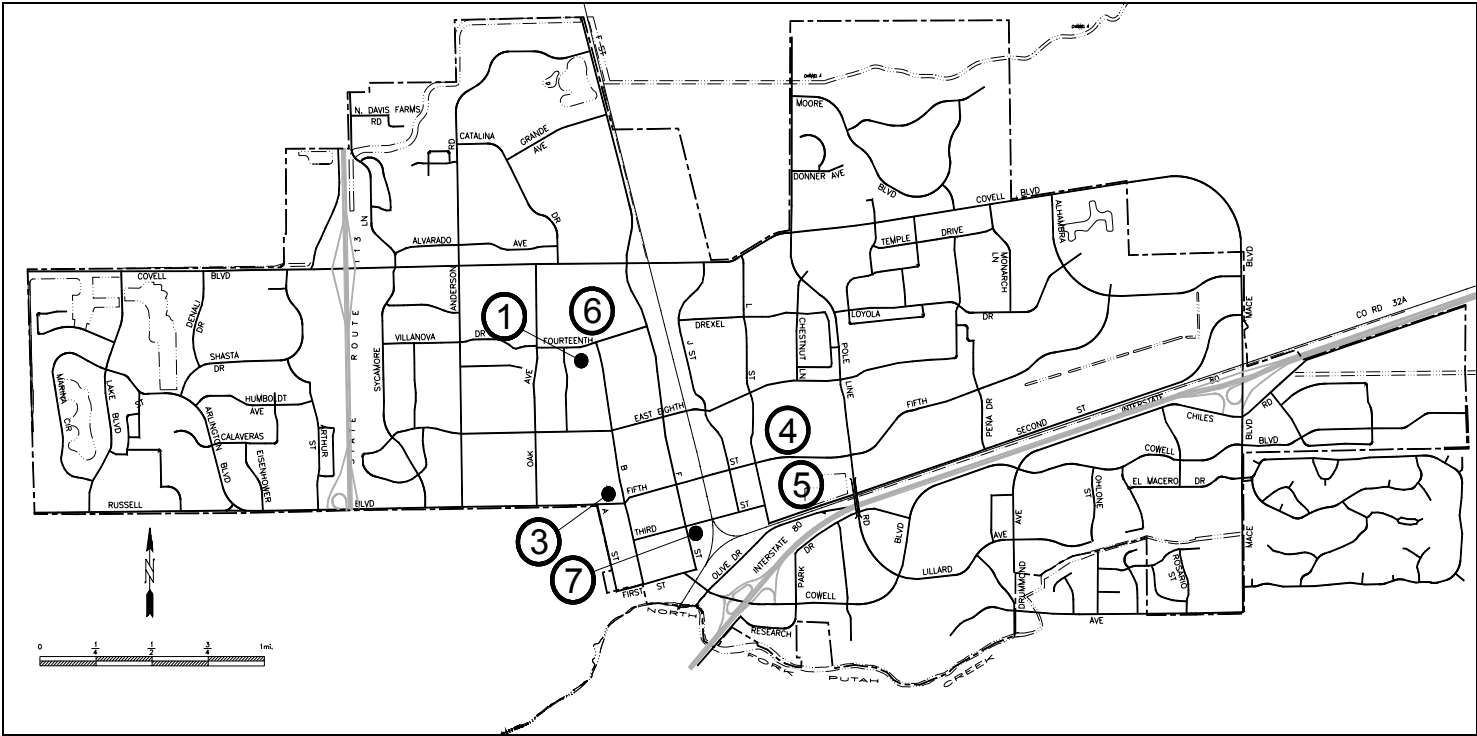


SEWER (WASTEWATER) PROJECTS (continued)

3	8750	Sewer Trunk Line Rehabilitation	<p>Description: Major rehabilitation to existing 42 and 48 inch trunk lines to improve system reliability, repair existing damage, and reduce potential for catastrophic failure. Annual rehab contract involves inserting plastic pipe with the existing concrete pipe trunk line. The construction amount allocated in FY 02/03 was carried over to 03/04 to provide a larger, more efficient construction project.</p> <p>03/04 Goals: Design and construct the relining improvements for about 4,500 linear feet.</p>	\$1,040,078
Sewer Subtotal				\$1,756,509



TRANSPORTATION PROJECTS



1	8111	Fifth Street Bicycle/Pedestrian Undercrossing	<p>Description: Complete the north side of the bicycle pedestrian pathway at Fifth street near Mace Ranch Park and Explorit Center. Only a short section of path and landscaping is needed to open the existing undercrossing. The design is complete and construction timing is dependent upon accepting the remaining 19 acres from the Mace Ranch developers, anticipated early summer 2003.</p> <p>03/04 Goals: Construct pathway summer 2003.</p>	\$49,438
2	8114	Covell Blvd./Denali Drive Traffic Signal	<p>Description: Provide signalized traffic control of this arterial intersection.</p> <p>03/04 Goals: Conduct traffic studies, preliminary design report, construction plans and bid project.</p>	\$180,650
3	8115	Depot/Sidewalk Rehabilitation	<p>Description: Continue transportation improvements to the SP Depot intermodal facility. Sidewalk realignment of the "H" Street alley and intersection improvements for H St./2nd St. provides better vehicle/bike/pedestrian circulation and improved bus transportation service. And, provides better land use opportunities for adjacent parcels.</p> <p>03/04 Goals: Complete design and preparation of construction documents initiated April 2002. Begin construct improvements in 2003.</p>	\$62,932

TRANSPORTATION PROJECTS (continued)

4	8121	Covell Boulevard Bike/Pedestrian Overcrossing	<p>Description: This overcrossing is located on Covell Blvd on the greenbelt along the west boundary of Mace Ranch. Consultant engaged in spring 2003.</p> <p>03/04 Goals: Complete design by end of 2003. Begin and finish construction in 2004.</p>	\$988,835
5	8125	Covell Boulevard Improvements (Jr High)	<p>Description: The new junior high school is located on the Yolo County owned and operated portion of Covell Blvd. To upgrade the roadway facilities to serve the new Junior HS site, the two lane county road will be improved to include one additional lane eastbound, landscaped median and turn pocket lane(s) plus curb and gutter. A new traffic signal will also be constructed to provide safe in/out access. DJUSC will design and construct the majority of the Covell Blvd. and utility improvements. However, the city has a financial share for the improvements.</p> <p>03/04 Goals: Work with District and their consultants to meet new construction standards. Construction is anticipated to begin spring 2004.</p>	\$529,454
6	8126	ADA Pkng/Facilities Compliance	<p>Description: Over the last 18 months, Davis and other communities have been sued or threatened with legal action because existing parking lots and/or existing accessible parking stalls do not meet current standards. This program will fund some annual review and updating of facilities.</p> <p>03/04 Goals: Review and prioritize deficiencies and construct improvements.</p>	\$74,018
7	8130	Dark Sky Light Conversions	<p>Description: Modify existing light fixtures (but keep existing poles) to meet the city's Ordinance.</p> <p>03/04 Goals: The available funding this year plus previous carry over funds will provide the change out of about 64 fixtures along Putah Creek bike path.</p>	\$84,924
8	8131	Senda Nueva Bike Path Pole Replacements	<p>Description: This is the second proposed project to remove wooden poles and the attached light fixtures and replace with new foundations, poles and fixtures. The old wooden poles rot and topple unexpectedly.</p> <p>03/04 Goals: Senda Nueva has 35 wooden poles identified for replacement.</p>	\$84,704
9	8132	Traffic Signal 2nd/B	<p>Description: Design and install traffic signal.</p> <p>03/04 Goals: Design and construct.</p>	\$162,267
10	8533	Access Ramp Installations	<p>Description: Annual project to install access ramps at city street corners and other locations. Citizens' committee reviews and recommends locations</p> <p>03/04 Goals: Implement annual contract to install access ramps</p>	\$40,338

TRANSPORTATION PROJECTS (continued)

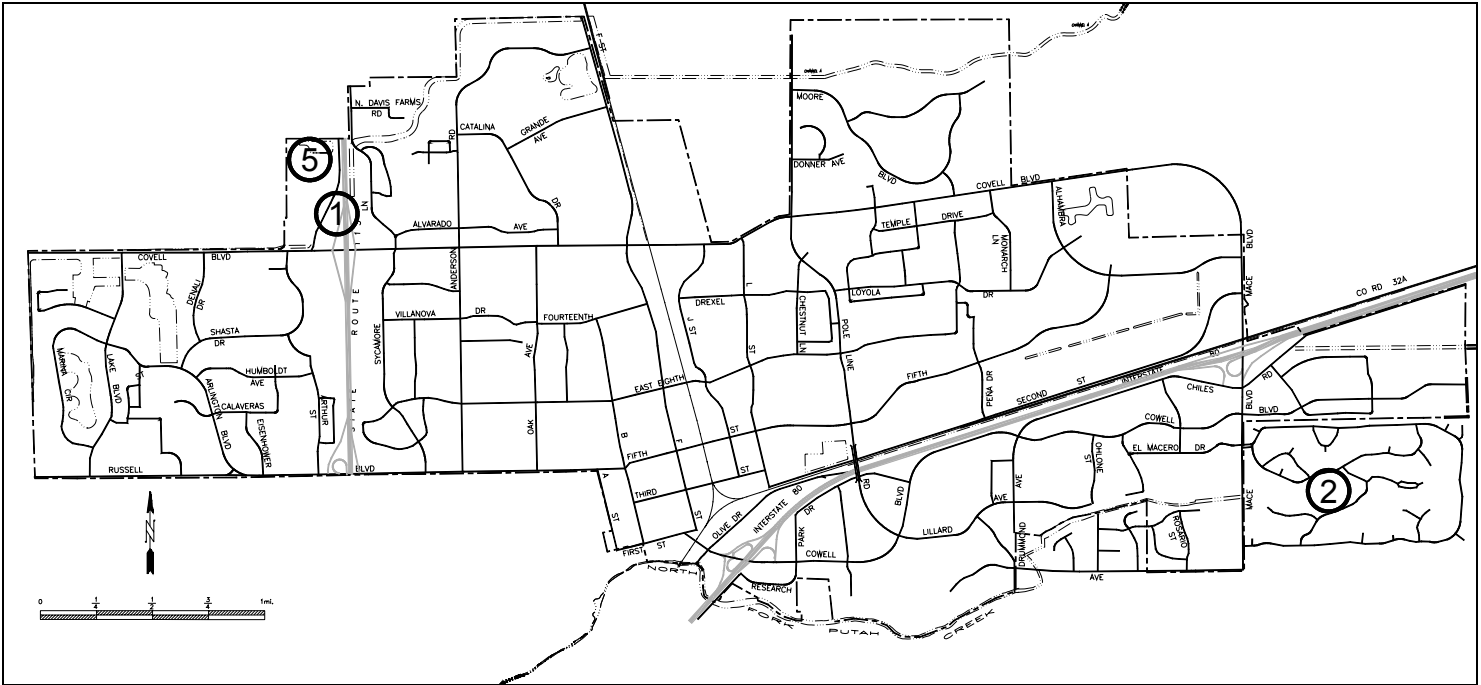
11	8675	F/H Street Bike & Pedestrian Corridor	<p>Description: Provide improved bicycle, pedestrian and landscaping facilities adjacent to F Street from Grande southerly to Covell and adjacent to H Street from Covell Boulevard to Eighth Street. North of Covell, the bikeway is a 10 foot bikepath. South of Covell, the bikes will travel on H Street and the pathway is for pedestrians and joggers.</p> <p>03/04 Goals: Complete construction, which was initiated in spring 2003.</p>	\$243,177
12	8714	Traffic Signal Safety Upgrades	<p>Description: Previous project goal was restricted to adding pedestrian indicators ("count down ped heads"). However, the high vehicle accident history requires significant traffic signal upgrades to improve the situation. The anticipated upgrades include ped heads, some new signal poles and vehicle heads and emergency preemptions. Improvements include adding pedestrian indicators, emergency vehicle detection and new signal poles for 5th Street to accommodate new signal heads.</p> <p>03/04 Goals: Complete project by end of calendar 2003.</p>	\$181,427
13	8730	Richards Blvd. & I-80 Improvements (Tight Diamond)	<p>Description: The Richards Boulevard Alternatives Study identified a possible interchange improvement referred to as a "tight diamond" configuration for the westbound on/off ramps (Option E). This CIP project continues the investigation within a Project Study Report. The Report will investigate all possible interchange modifications including the "tight diamond" which converts the 4 westbound on/off loop ramps with a single westbound off ramp and a single westbound on ramp. The tight diamond on/off ramps would intersect with Richards Boulevard at one signalized intersection. The tight diamond ramp configuration would promote bicycle and pedestrian safety plus it would eliminate the "weaving" between vehicles entering and exiting the freeway. The proposed new signalized intersection would be complimentary to the Richards corridor traffic signal coordination plan. It is anticipated CalTrans would approve the concept of a tight diamond for the westbound on/off ramps because it would also improve operations and safety for I-80 main line. This project is a feasibility study. Future construction budgets and funding sources for any identified interchange improvements will be addressed.</p> <p>03/04 Goals: Complete prescoping studies w/ CalTrans and complete formal Project Study Report. The Study will provide an estimate of the design, right of way and construction costs. Beyond the funding provided for this effort, funds for the design, environmental review and construction are not identified.</p>	\$69,361

TRANSPORTATION PROJECTS (continued)

14	8732	Richards Blvd Entrance and Parking Lot at Olive Drive	<p>Description: The City of Davis owns the vacant parcel at the northwest corner of Richards Boulevard and Olive Drive intersection that was previously a Regal Gas station site. This project would conduct a preliminary study to determine how to best develop the site in conjunction with adjacent spaces to provide an aesthetically pleasing gateway to the Davis Core Area and at the same time make the best use of the vacant parcel.</p> <p>03/04 Goals: Initiate public discussion, provide improvement alternatives and preliminary plans including anticipated cost estimates. Present findings in a project report.</p>	\$33,569
15	8783	Traffic Safety Measures	<p>Description: Annual project to install traffic safety and traffic calming related improvements at various locations throughout the city. Locations identified and prioritized by the Safety Advisory Commission.</p> <p>03/04 Goals: Respond to community needs as approved by SAC and City Council. Design and construct projects as necessary.</p>	\$186,432
Trans. Subtotal				\$2,971,526



DRINKING WATER PROJECTS



1	8117	Water Well #31	<p>Description: Construct water well at lot 2074 John Jones Road. Steel water well casing is completed. Remaining work is install pump/motor and construct other site improvements.</p> <p>03/04 Goals: Final construction phase awarded in April 2003. Well to be operational by October 2003.</p>	\$72,596
2	8124	Water Meters: El Macero	<p>Description: In cooperation with Yolo County Board of Supervisors, install water meters in the El Macero subdivision. The Department of Water Resources. has awarded a grant for \$377,844 for this project.</p> <p>03/04 Goals: Purchase and install about 450 water meters by end of calendar 2003.</p>	\$153,133
3	8129	Well #32	<p>Description: Investigate possible sites, drill test hole and complete construction of deep water well.</p> <p>03/04 Goals: Complete the test hole phase by end of fiscal year.</p>	\$904,698

DRINKING WATER PROJECTS (continued)

4	8543	Alternative Water Supply Investigation	<p>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.</p> <p>This is a multi-year project. Annual funding provides for any required engineering or legal analysis or response to the preliminary attempts to study alternative water supply availability.</p> <p>03/04 Goals: Continue ongoing investigations. The Agencies' engineering consultant is West-Yost Associates.</p>	\$256,799
5	8544	New Water Storage Tank	<p>Description: To construct a 4 million-gallon ground level storage tank to provide for system equalization, fire flow reserve, and emergency backup. In May 2001 a \$4.5 million contract was awarded.</p> <p>03/04 Goals: The new water tank is operational. This next phase is for drainage improvements south of and adjacent to tank site and minor landscaping modifications.</p>	\$134,991
6	8786	Water Main Replacements	<p>Description: Annual rehabilitation to replace existing deteriorating water mains and reduce extraordinary maintenance costs due to water main breaks. Also improves system reliability.</p> <p>03/04 Goals: Over twenty water mains have been identified for replacement.</p>	\$531,005
Water Subtotal				\$2,056,222
42 Capital Projects for FY 03/04				\$16,182,530

