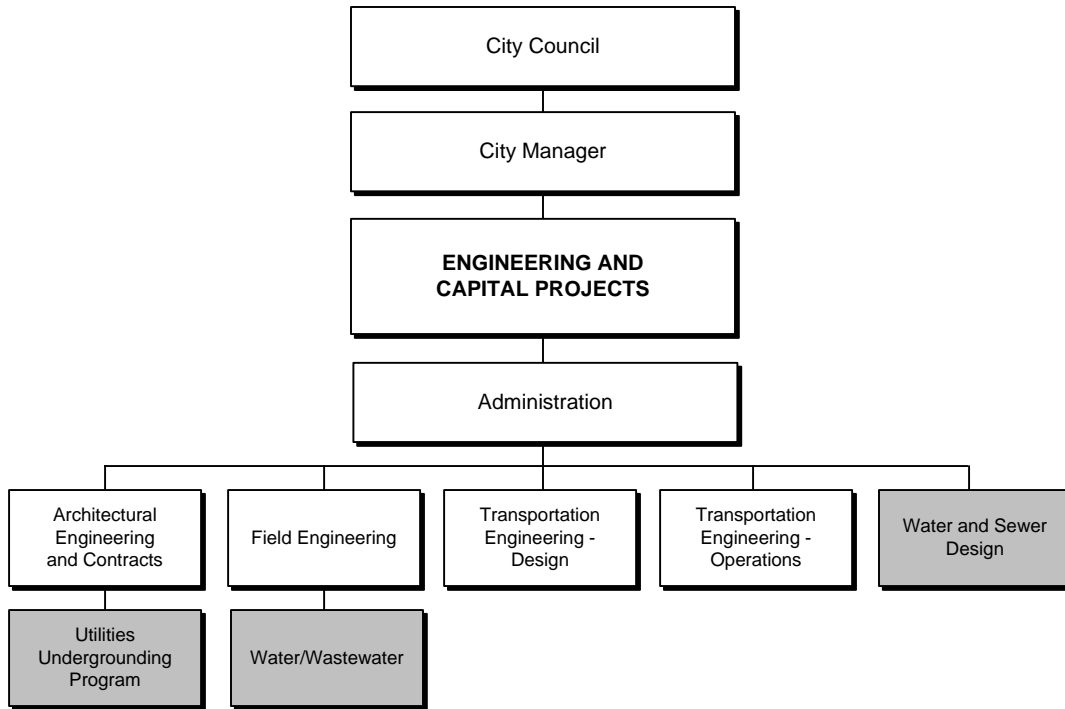


ENGINEERING AND CAPITAL PROJECTS





Engineering and Capital Projects



Mission Statement

To be responsive to the public, Mayor and City Council in the development and enhancement of the urban environment and to provide quality public facilities that are safe, efficient, cost effective and in accordance with scheduled needs.

Department Description

The Engineering and Capital Projects Department is a full-service civil engineering "firm" that is responsible for the planning, design, management and construction of public improvement projects and providing traffic engineering services throughout the City of San Diego.

The nature of the Department's work includes: developing infrastructure, building libraries, rebuilding older streets and water/sewer pipelines, inspecting private work in the right-of-way, materials testing, responding to traffic requests from the public, maintaining the City's traffic signal systems, and managing the Utilities Undergrounding Program.

Division/Major Program Description

Administration

The Administration Division provides the overall planning, direction and coordination of the operating divisions within the Department. The Fiscal Support Services section maintains fiscal control; coordinates preparation of the Department's operating budget; conducts special studies and analyses of administrative and fiscal practices; develops, coordinates and carries out Department-wide programs; and provides personnel coordination for the Department.

Engineering and Capital Projects

Division/Major Program Description

Architectural Engineering and Contracts

The Architectural Engineering and Contracts Division provides program and project management through the following sections:

The Community Development Block Grant (CDBG) Private Agency Block Grant section provides project assistance for non-profit agency CDBG projects, such as training centers, health clinics, recreation centers, community centers, and social service centers.

The Project Management (PM) sections provide project management and design for public building projects, such as community service centers, libraries, police and fire stations, and lifeguard facilities. PM is also responsible for project and construction management of general requirements contracts, which provide for an alternative construction delivery system to support the Department's efficient construction of projects under \$500,000. PM is supported by the Primavera project planner which tracks and schedules all its Capital Improvements Program (CIP) projects to support the timely execution of its project commitments.

Both the CDBG and PM sections manage projects throughout all phases, including initiation, consultant selection and management, design, environmental review, contract processing, construction, and closeout.

The Access Law/Design Review section provides detailed reviews of the department CIP projects for compliance with federal and State accessibility regulations.

The Contract Processing and Awards section provides assistance for construction contracts to project managers in all City departments. This includes distributing and monitoring plan checks, and reviewing and preparing contract documents in accordance with City and industry standards. This section also routes action documents; advertises, opens and tabulates bids; resolves bid protests; reviews insurance requirements; and gives authorization to issue Notices to Proceed. This section is also responsible for maintaining the City's standard specifications and drawings used in construction work. The Contractor Pre-Qualification Program pre-qualifies prime contractors for public works projects exceeding \$250,000. The process entails verification of the contractor's history and background, review of financial statements, bonding capability and evaluation of past performance. The program acts as an additional level of assurance for the City of San Diego to seek truly responsible bidders.

Engineering and Capital Projects

Division/Major Program Description

Architectural Engineering and Contracts (continued)

The Utilities Undergrounding Program manages the efforts to underground electric, telecommunications and cable utility lines within the City. Projects are selected once per year by the Mayor and City Council and include projects from each Council District. The program team makes sure all utility companies complete their work in a timely fashion and assists affected constituents through process.

Field Engineering

The Field Engineering Division provides construction management and inspection, survey support, materials testing, storm water quality assessment and traffic control review for City capital improvement projects and privately funded public improvement projects. This includes services to all public and private developments, such as bridges; fire stations; police stations; libraries; recreation facilities; parks; public streets; storm drains; sidewalks; curbs and gutters; traffic signals; street lights; and vehicular bike and pedestrian projects.

The Construction Inspection section provides construction management, administration and inspection services during construction of City and private projects. The goal of this section is to ensure that the specified standards and qualities for all improvements are met by conducting thorough and consistent inspection services.

The Traffic Control section provides review of traffic control plans, issues traffic control permits, and provides management and inspection services for traffic signals, striping and signs in development projects.

The Materials Lab and Testing section provides laboratory, field and manufacturing plant tests to ensure the adequacy and standards of all materials used during construction are maintained.

The Land Survey section conducts precise land, aerial, hydrographic, topographic and construction surveys upon which projects are based.

The Field Engineering - Water/Wastewater Facility Construction Management Inspection section provides construction management, administration and inspection services during construction of City wastewater and water facilities. The goal of this section is to ensure that the specified standards and qualities for all wastewater and water facilities are met by conducting thorough and consistent inspection services.

Transportation Engineering - Design

The Transportation Engineering - Design Division provides design and project management for various transportation improvement projects, storm drains, traffic

Engineering and Capital Projects

Division/Major Program Description

Transportation Engineering - Design (continued)

signals, bridges, coastal low flow diversion, coastal erosion, street lights, pedestrian ramps, local streets and bikeways.

Sections within the Division include: Architectural Barriers and Pedestrian Access; Bikeways and Trails (hiking and equestrian); Bridges, which designs new bridges, retrofits, enhancements and barrier rail projects; Erosion Control/Slope Restoration, which includes monitoring environmental re-vegetation projects; Roadways and Streets, which completes roadway widening and improvement projects, including street medians, street enhancements, guardrails and safety barriers; Special Projects, which includes State Route 56; Storm Drains and Flood Control, which focuses on low flow diversion projects; and the Traffic Signal Program, which provides services for traffic signals and streetlights, traffic signal interconnects, and traffic signal modifications.

Transportation Engineering - Operations

The Transportation Engineering - Operations Division conducts traffic investigations and studies for signs, markings, speeding and parking; re-times traffic signals; analyzes traffic accidents; conducts traffic counts and speed surveys to set speed limits; proposes and monitors annual traffic capital improvement projects; installs street lights; manages the Red Light Photo Safety Program and the Transportation Alternative Program (TAP), which provides discounted transit passes and van pool/car pool subsidies for City employees.

Sections within this Division include: Signal Timing, Traffic Safety and Information, Interagency Coordination, TAP, and Traffic Operations.

Water and Sewer Design

The Water and Sewer Design Division provides professional engineering services for the Water Department and the Metropolitan Wastewater Department. These services include planning, design and construction management.

The work efforts provided by the Division result in the production of planning packages, construction drawings, contract specifications, and cost estimates. These documents are used to design and competitively bid for construction of water and sewer mains, sewer pump stations, and trunk sewers. Once awarded, these projects are managed through construction completion and are then capitalized as City assets.

The Water/Wastewater Program Management and Engineering Support section provides water and

Engineering and Capital Projects

Division/Major Program Description

Water and Sewer Design (continued)

wastewater preliminary engineering studies, project analysis management system tracking, Computer Aided Drafting and Design (CADD), and fiscal and clerical and fiscal and clerical support for plotting services; develops and implements the sewer modeling software program and CADD applications; and serves as the liaison for information technology services.

Service Efforts and Accomplishments

The Architectural Engineering and Contracts (AEC) Division completed the following non-profit agency CDBG projects: Bayside Settlement House, Linda Vista Childcare soundwall, Cherokee Point Neighborhood Association Outdoor Recreation, Sherman Heights Community Center Kitchen remodel, Centro Cultural de la Raza, Linda Vista Boys and Girls Club, Diversionary Theatre, Karibu Center for Social Support and Education, San Diego Youth and Community Wing Street, Sunshine Baseball League, and Scripps Health and World Beat Center.

The AEC Division also completed the Point Loma Hervey and La Jolla/Riford Branch Libraries; Fire Station #46 (Black Mountain South); and electrical upgrades, new apparatus doors, new emergency generators and roof replacement systems for a number of fire stations throughout the City.

The Department has implemented an access law design compliance review process within the Access Law/Design Review section to ensure the design of its capital improvement projects is in compliance with the Americans with Disabilities Act (ADA) accessibility regulations. The section has also released a plan check list form to complement Development Services Department's plan checklist form on Title 24 accessibility compliance, coordinates Citywide processes such as active participation in the newly formed Access Law Committee and chairing of the Access Law Technical Group, and communicates with access law coordinators and managers from different jurisdictions within the State to ensure the City is updated on current access law events and policies that could affect current procedures for conducting business on design and construction.

The Contracts Processing and Awards section receives engineering plans and draft specifications from City departments and divisions with CIP projects to produce construction contract documents and to process projects through the bidding and award phases. This section has processed approximately 160 projects in Fiscal Year 2004.

The Utilities Undergrounding Program completed 6.3 miles of undergrounding in calendar year 2004, continued 14.9 miles of work on unfinished projects that started prior to calendar year 2004, and started construction on 22.3 miles of conversion projects.

In Fiscal Year 2005, approximately 7,696 requests for traffic investigations were completed by the Transportation Engineering Operations Division. Requests included the installation of stop signs, crosswalks, medians, flashing beacons at school sites, requests to reduce speeding, red curbs to improve visibility, re-striping of roads and signal timing. Response time to requested traffic investigations was modified from 90 days to 30, 60, or 90 days, depending on complexity. This improvement has enhanced the Division's service to the public.

The Transportation Engineering - Operations Division identified intersections with high accident rates by utilizing the Traffic Collision Record System. Improvements such as new detection systems, additional signal indications, and pedestrian improvements were implemented to enhance the safety of those intersections.

The design and construction of traffic signals have been completed at the intersections of El Paseo Grande at La Jolla Shores, Governor Drive at Edmonton Avenue, Euclid Avenue at Polk Avenue, Easter Way at Eastgate Mall, San Ysidro Boulevard at I-5 northbound ramps, Normal Street and University Avenue, and Ruffin Road at Ridgehaven Court.

Engineering and Capital Projects

Service Efforts and Accomplishments

Utilizing the Congestion Mitigation and Air Quality (CMAQ) funds, 55 traffic signals were connected to the City's master traffic control system. These signals, in the areas of San Ysidro, Point Loma, and Rancho Bernardo, can now be remotely monitored and controlled.

The Water and Sewer Design Division assisted the Metropolitan Wastewater Department in meeting the Environmental Protection Agency mandate by replacing 37.3 miles of deteriorated sewer pipes in Fiscal Year 2005.

Construction has begun on the Mira Sorrento Place Roadway, an important new traffic link in the Mira Sorrento area that will improve traffic circulation on Mira Mesa Boulevard. The project is anticipated to be completed by the end of calendar year 2006.

Replacement of the Rigel Street Bridge over Chollas Creek began in August 2005. The original wooden bridge was built in 1930 and was closed in 2003 due to structural failures. The new bridge is a two span concrete structure and the project includes improvements to the approaching roadway and drainage facilities. It is anticipated to be opened to traffic in January of 2006.

The Coastal Sewage Interception Low Flow Storm Drain Diversion Program installed a series of gravity and pumped diversion facilities at critical storm drain outfall locations along the coast of San Diego. These facilities act as a last line of defense, protecting the beach's water quality and beach visitors against dry time street run-off and incidental sewer spills. These captured contaminated flows are collected by the wastewater collection system and sent to treatment at the City's Point Loma Wastewater Treatment Plant. The program is comprised of three phases. Installation of 25 facilities was completed during Phases I and II. Eleven new facilities will be added during Phase III, which is scheduled to start construction by the end of calendar year 2005.

The North Torrey Pines Bridge project provided for demolishing and reconstructing the bridge and widening both road approaches. This project was completed in July 2005.

The widening of La Jolla Village Drive project will provide a six-lane prime arterial with sidewalks and bike lanes between North Torrey Pines Road and Gilman Drive and an eight traffic-lane prime arterial from Gilman Drive to Villa La Jolla Drive. It also includes a bridge widening and interchange improvements at La Jolla Village Drive/Gilman Drive overcrossing. This project is anticipated to be completed in Fall 2005.

The second phase of the Jamacha Road improvements project from Meadowbrook Drive to Cardiff Street was completed in Fiscal Year 2005. The project improved drainage and traffic safety along this segment of the roadway as well as provided for a permanent sidewalk and other pedestrian improvements. To avoid future excavations in the new roadway, deteriorated cast iron water mains were replaced simultaneously with the undergrounding of existing overhead utilities.

The Sunset Cliffs Boulevard improvements project was completed in Fiscal Year 2005. This project widened Sunset Cliffs Boulevard to four lanes between West Point Loma Drive and Nimitz Boulevard. The project included bike lane, storm drain, curb, gutter, striping, median landscaping, and other improvements. It also provided traffic signal upgrades and dedicated right turn lanes at the intersections of West Point Loma Drive and Nimitz Boulevard.

The Pershing Portal project was completed in Fiscal Year 2005. This project improved traffic safety by permanently reconfiguring the intersection of 28th, Upas, and Pershing Drive and also provided new sidewalks, curbs, and streetscape enhancements, including a monument to the architectural history of the area.

Future Outlook

The Engineering and Capital Projects Department continually provides the highest level of service to the public. All the milestones that have been met or will be met this fiscal year contribute to the City Council Priorities. In an effort to meet the City's goals to reduce traffic congestion, the Department will continue to design, using both

Engineering and Capital Projects

Future Outlook

in-house and consultant management, major roadwork and bridge projects and to design and construct traffic signals and traffic signal modifications. In addition, the City is participating in SANDAG's Regional Arterial Management System (RAMS), along with other agencies such as CalTrans and the City of Chula Vista, and is expected to enhance inter-jurisdictional coordination of traffic signals along arterial corridors throughout the San Diego region thereby reducing traffic congestion.

To accomplish the City's goals to create neighborhoods we can be proud of, the Department will continue to ensure all capital improvement projects conform with the ADA; assist non-profit agencies to build brick and mortar projects using CDBG funding to enhance services to their clients; upgrade fire and lifeguard facilities; and build libraries, fire stations, police stations, and community service centers to enhance services to our citizens. The Access Law/Design Review section is currently working on a program to provide technical training and access law updates for staff. The City's Utilities Undergrounding Program expects to begin an additional 24 projects (approximately 41.3 miles) in calendar year 2005. The recommendations of the Manager's Parking Task Force will be implemented to improve the availability and utilization of parking within neighborhoods that currently have a lack of parking.

To accomplish the City's goals to build a library system, AEC Division is working on a comprehensive plan for a 21st century library system, including a new Main Library and building or expanding 23 branch libraries. Of the 23 branch libraries, two libraries have been constructed and four are under construction. Land acquisition has been completed for one library and two other library sites are in the final stages of acquisition. Other branches and the new Main Library are in various stages of project planning and design development.

To accomplish the City's goal to make San Diego America's safest city, the AEC Division is working on a program to improve fire and lifeguard facilities. Fire stations #12, #29 and #31, the South Pacific Beach lifeguard tower, and replacement of additional fire station roofs and hardscape at various fire stations will be completed in calendar year 2005, while the design of another four fire stations and five lifeguard facilities continues. Additionally, the construction of the Central Police Garage is underway, as well as the 5,000 square foot Central Area Police Station expansion. The Northwest Police Substation is in the final design stage. Additionally, the Traffic Engineering - Operations Division is developing a Traffic calming policy that will provide guidance on the effective use of tools to reduce speeding within our neighborhoods.

Budget Dollars at Work

- 114 Curb ramps constructed
- 15 Flashing beacons installed
- 189 Streetlights installed
- 20 Traffic signals upgraded
- 7 New traffic signals installed
- 7,696 Traffic requests completed
- 10 Libraries under design
- 4 Libraries under construction
- 4 Fire stations under design
- 4 Fire stations under construction
- 5 Lifeguard stations under design
- 1 Lifeguard station under construction
- 37.3 Miles of sewer mains replaced
- 16 Sewer main projects designed
- 15 Water main projects designed
- 22 Sewer projects planned
- 8 Water projects planned

Engineering and Capital Projects

Engineering and Capital Projects				
	FY 2004 BUDGET	FY 2005 BUDGET	FY 2006 FINAL	FY 2005-2006 CHANGE
Positions	508.02	499.51	468.11	(31.40)
Personnel Expense	\$ 42,921,592	\$ 46,372,234	\$ 46,818,973	\$ 446,739
Non-Personnel Expense	\$ 14,899,573	\$ 15,564,291	\$ 16,198,541	\$ 634,250
TOTAL	\$ 57,821,165	\$ 61,936,525	\$ 63,017,514	\$ 1,080,989

Department Staffing

	FY 2004 BUDGET	FY 2005 BUDGET	FY 2006 FINAL
GENERAL FUND			
Administration			
Fiscal Support Services	2.50	2.50	2.50
Management	1.54	1.53	1.63
Total	4.04	4.03	4.13
Field Engineering			
Administration	12.70	11.85	11.35
Construction Inspection	51.00	51.00	49.00
Land Survey	35.00	35.00	31.00
Materials Testing	19.00	19.00	16.00
Traffic Control	4.00	4.00	4.00
Total	121.70	120.85	111.35
Architectural Engineering and Contracts			
Access Law/Design Review	2.00	2.00	2.00
Contracts	12.00	12.00	11.00
Dept Support	2.00	2.00	1.00
Fin Services & Admin Support	3.70	2.70	2.70
Project Management I/CDBG	8.00	8.00	8.00
Project Management II/UUD	4.00	4.00	3.00
Project Management III	5.00	5.00	4.00
Total	36.70	35.70	31.70
Transportation Engineering - Design			
Administration	15.00	15.00	14.00
Architect Barriers/Ped Access	1.33	3.00	3.00
Bikeways and Trails	2.16	2.00	2.00
Bridges	3.34	8.00	8.00
Erosion Cntrl/Slope Restr/Stbl	1.77	2.00	2.00
Roadway/Street Projects	17.47	18.00	18.00
Special Projects	6.85	2.00	2.00
Storm Drains/Flood Control	6.02	3.00	3.00
Traffic Signals	11.06	11.00	9.00
Total	65.00	64.00	61.00

Engineering and Capital Projects

Department Staffing

	FY 2004 BUDGET	FY 2005 BUDGET	FY 2006 FINAL
GENERAL FUND			
Transportation Engineering - Ops			
Administration	1.00	2.10	2.10
Capital Improvements	4.80	0.00	0.00
Interagency Coordination	5.30	8.00	7.00
Traffic Operations	26.80	26.80	26.80
Traffic Safety And Information	10.10	10.10	10.10
Transportation Alternatives Program	1.00	1.00	1.00
Total	49.00	48.00	47.00
UTILITIES UNDERGROUNDING PROGRAM			
Utilities Undergrounding Program			
Utilities Undergrounding Program	9.15	9.15	9.15
Total	9.15	9.15	9.15
INTERNAL SERVICES FUND			
Water and Sewer Design			
Administration Support	19.44	17.44	16.44
Wastewater Contract Processing	8.15	8.15	8.15
Wastewater-Design CIP	69.07	73.95	66.95
Wastewater-Prg Mgmt & Eng Supp	29.93	31.66	29.96
Water-Design CIP	20.93	13.05	13.05
Water-Prg Mgmt & Eng Supp	8.32	5.59	5.29
Total	155.84	149.84	139.84
E&CP Water/Wastewtr Field - Eng			
Wastewater-Facilities Const Insp	39.96	40.86	38.26
Water-Facilities Const Insp	26.63	27.08	25.68
Total	66.59	67.94	63.94

Department Expenditures

	FY 2004 BUDGET	FY 2005 BUDGET	FY 2006 FINAL
GENERAL FUND			
Administration			
Fiscal Support Services	\$ 204,772	\$ 212,223	\$ 226,940
Management	\$ 233,933	\$ 242,888	\$ 278,651
Total	\$ 438,705	\$ 455,111	\$ 505,591
Field Engineering			
Administration	\$ 1,030,641	\$ 995,483	\$ 1,027,157
Construction Inspection	\$ 5,243,804	\$ 5,745,554	\$ 6,017,139
Land Survey	\$ 3,380,219	\$ 3,699,097	\$ 3,521,276
Materials Testing	\$ 1,782,703	\$ 1,918,897	\$ 1,899,446

Engineering and Capital Projects

Department Expenditures

	FY 2004 BUDGET	FY 2005 BUDGET	FY 2006 FINAL
GENERAL FUND			
Field Engineering			
Traffic Control	\$ 380,461	\$ 419,968	\$ 455,412
Total	\$ 11,817,828	\$ 12,778,999	\$ 12,920,430
Architectural Engineering and Contracts			
Access Law/Design Review	\$ 222,071	\$ 226,455	\$ 244,198
Contracts	\$ 909,174	\$ 930,034	\$ 963,143
Dept Support	\$ 220,548	\$ 259,426	\$ 171,912
Fin Services & Admin Support	\$ 349,190	\$ 321,327	\$ 388,833
Project Management I/CDBG	\$ 814,759	\$ 870,265	\$ 944,938
Project Management II/UUD	\$ 459,735	\$ 601,090	\$ 547,418
Project Management III	\$ 611,557	\$ 638,424	\$ 589,693
Total	\$ 3,587,034	\$ 3,847,021	\$ 3,850,135
Transportation Engineering - Design			
Administration	\$ 2,020,220	\$ 1,984,330	\$ 1,879,872
Architect Barriers/Ped Access	\$ 118,575	\$ 303,975	\$ 332,474
Bikeways and Trails	\$ 192,816	\$ 175,787	\$ 191,234
Bridges	\$ 306,166	\$ 802,785	\$ 884,498
Erosion Cntrl/Slope Restr/Stbl	\$ 155,013	\$ 193,836	\$ 213,313
Roadway/Street Projects	\$ 1,743,103	\$ 1,996,845	\$ 2,176,332
Special Projects	\$ 617,900	\$ 226,293	\$ 246,431
Storm Drains/Flood Control	\$ 553,550	\$ 318,171	\$ 346,981
Traffic Signals	\$ 990,577	\$ 1,084,193	\$ 1,008,253
Total	\$ 6,697,920	\$ 7,086,215	\$ 7,279,388
Transportation Engineering - Ops			
Administration	\$ 111,982	\$ 306,653	\$ 305,597
Capital Improvements	\$ 474,454	\$ -	\$ -
Interagency Coordination	\$ 559,540	\$ 882,708	\$ 833,043
Red Light Photo Enforcement Program	\$ -	\$ 1,280,852	\$ 1,505,671
Traffic Operations	\$ 2,609,486	\$ 2,720,585	\$ 2,932,750
Traffic Safety And Information	\$ 926,613	\$ 945,607	\$ 1,020,151
Transportation Alternatives Program	\$ 557,239	\$ 558,518	\$ 618,686
Total	\$ 5,239,314	\$ 6,694,923	\$ 7,215,898
UTILITIES UNDERGROUNDING PROGRAM			
Utilities Undergrounding Program			
Utilities Undergrounding Program	\$ 1,206,881	\$ 1,292,229	\$ 1,358,461
Total	\$ 1,206,881	\$ 1,292,229	\$ 1,358,461
INTERNAL SERVICES FUND			
Water and Sewer Design			
Administration Support	\$ 6,719,813	\$ 6,204,618	\$ 6,906,064
Wastewater Contract Processing	\$ 593,857	\$ 714,551	\$ 746,945

Engineering and Capital Projects

Department Expenditures

	FY 2004 BUDGET	FY 2005 BUDGET	FY 2006 FINAL
INTERNAL SERVICES FUND			
Water and Sewer Design			
Wastewater-Design CIP	\$ 6,892,670	\$ 8,011,156	\$ 7,421,692
Wastewater-Prg Mgmt & Eng Supp	\$ 3,519,774	\$ 3,920,932	\$ 3,927,751
Water-Design CIP	\$ 2,041,901	\$ 1,428,499	\$ 1,492,027
Water-Prg Mgmt & Eng Supp	\$ 954,961	\$ 750,746	\$ 763,324
Total	\$ 20,722,976	\$ 21,030,502	\$ 21,257,803
E&CP Water/Wastewtr Field - Eng			
Wastewater-Facilities Const Insp	\$ 4,855,987	\$ 5,284,230	\$ 5,191,278
Water-Facilities Const Insp	\$ 3,254,520	\$ 3,467,295	\$ 3,438,530
Total	\$ 8,110,507	\$ 8,751,525	\$ 8,629,808

Significant Budget Adjustments

GENERAL FUND

Administration	Positions	Cost
Salary and Benefit Adjustments	0.10	\$ 51,872
Adjustments to reflect the annualization of the Fiscal Year 2005 negotiated salary compensation schedule, changes to average salaries, retirement contributions, and retiree health contributions. Position adjustments, if applicable, reflect the City Manager's restructuring of Executive Team assignments.		
Non-Discretionary	0.00	\$ (348)
Adjustments to reflect expenses that are determined outside of the Department's direct control. Examples of these adjustments include utilities, insurance, and rent.		
Support for Information Technology	0.00	\$ (1,044)
Funding is allocated according to a zero based annual review of information technology funding requirements and priority analyses.		
Architectural Engineering and Contracts	Positions	Cost
Salary and Benefit Adjustments	0.00	\$ 307,450
Adjustments to reflect the annualization of the Fiscal Year 2005 negotiated salary compensation schedule, changes to average salaries, retirement contributions, and retiree health contributions. Position adjustments, if applicable, reflect the City Manager's restructuring of Executive Team assignments.		

Engineering and Capital Projects

Significant Budget Adjustments

GENERAL FUND

Architectural Engineering and Contracts	Positions	Cost
<p>Support for Information Technology</p> <p>Funding is allocated according to a zero based annual review of information technology funding requirements and priority analyses.</p>	0.00	\$ 73,692
<p>Non-Discretionary</p> <p>Adjustments to reflect expenses that are determined outside of the Department's direct control. Examples of these adjustments include utilities, insurance, and rent.</p>	0.00	\$ 5,288
<p>Reduction in Department Support Program</p> <p>Reduction of 1.00 Senior Civil Engineer, which served as the training coordinator for the Department. Each division will need to establish informal training coordinators, resulting in increased costs and project delays.</p>	(1.00)	\$ (126,285)
<p>Reduction in Project Management and Contracts Programs</p> <p>Reduction of 1.00 Administrative Aide I and 2.00 Assistant Engineer-Civil positions will delay construction of City facilities, including fire and lifeguard stations and libraries. The Department's ability to execute public safety projects in a timely manner will be negatively impacted and construction costs will increase.</p>	(3.00)	\$ (257,031)
Field Engineering	Positions	Cost
<p>Salary and Benefit Adjustments</p> <p>Adjustments to reflect the annualization of the Fiscal Year 2005 negotiated salary compensation schedule, changes to average salaries, retirement contributions, and retiree health contributions. Position adjustments, if applicable, reflect the City Manager's restructuring of Executive Team assignments.</p>	0.00	\$ 1,005,728
<p>Non-Discretionary</p> <p>Adjustments to reflect expenses that are determined outside of the Department's direct control. Examples of these adjustments include utilities, insurance, and rent.</p>	0.00	\$ 122,732
<p>Support for Information Technology</p> <p>Funding is allocated according to a zero based annual review of information technology funding requirements and priority analyses.</p>	0.00	\$ (119,773)

Engineering and Capital Projects

Significant Budget Adjustments

GENERAL FUND

Field Engineering	Positions	Cost
<p>Reduction in Field Engineering Division</p> <p>Reduction of 9.50 engineering, surveying, and accounting positions across multiple programs will delay construction material testing, change order and payment processing, and construction schedules. Additionally, the loss of in-house bridge engineering expertise will require outside consultants to perform this function at a higher rate, increasing project costs.</p>	(9.50)	\$ (867,256)
Transportation Engineering - Design	Positions	Cost
<p>Salary and Benefit Adjustments</p> <p>Adjustments to reflect the annualization of the Fiscal Year 2005 negotiated salary compensation schedule, changes to average salaries, retirement contributions, and retiree health contributions. Position adjustments, if applicable, reflect the City Manager's restructuring of Executive Team assignments.</p>	0.00	\$ 586,818
<p>Non-Discretionary</p> <p>Adjustments to reflect expenses that are determined outside of the Department's direct control. Examples of these adjustments include utilities, insurance, and rent.</p>	0.00	\$ 24,939
<p>Reduction in Administration Program</p> <p>Reduction of 1.00 Administrative Aide II will delay cash flow analyses and require work responsibilities to be assumed by remaining staff.</p>	(1.00)	\$ (72,503)
<p>Reduction in Traffic Signals Program</p> <p>Reduction of 1.00 Principal Engineer Aide and 1.00 Principal Drafting Aide will delay responses to new street light requests and delay design and construction of traffic signals and traffic signal modifications.</p>	(2.00)	\$ (170,721)
<p>Support for Information Technology</p> <p>Funding is allocated according to a zero based annual review of information technology funding requirements and priority analyses.</p>	0.00	\$ (175,360)
Transportation Engineering - Ops	Positions	Cost
<p>Salary and Benefit Adjustments</p> <p>Adjustments to reflect the annualization of the Fiscal Year 2005 negotiated salary compensation schedule, changes to average salaries, retirement contributions, and retiree health contributions. Position adjustments, if applicable, reflect the City Manager's restructuring of Executive Team assignments.</p>	0.00	\$ 374,658

Engineering and Capital Projects

Significant Budget Adjustments

GENERAL FUND

Transportation Engineering - Ops	Positions	Cost
<p>Support for Red Light Photo Enforcement Program</p> <p>Increase in support for maintenance of red light photo enforcement cameras and for installation and maintenance of seven additional cameras. The Red Light Photo Enforcement Program reduces the incidence of vehicles running red lights, therefore increasing traffic and pedestrian safety.</p>	0.00	\$ 251,619
<p>Non-Discretionary</p> <p>Adjustments to reflect expenses that are determined outside of the Department's direct control. Examples of these adjustments include utilities, insurance, and rent.</p>	0.00	\$ 54,735
<p>Support for Information Technology</p> <p>Funding is allocated according to a zero based annual review of information technology funding requirements and priority analyses.</p>	0.00	\$ (22,867)
<p>Reduction of Onetime Expense for Red Light Photo Enforcement Program</p> <p>Reduction of Fiscal Year 2005 funding for red light photo permit fees.</p>	0.00	\$ (26,800)
<p>Reduction in Bicycle Program</p> <p>Reduction of 1.00 Associate Engineer-Traffic position that responds to and evaluates requests from the public regarding existing, proposed, and future bicycle lanes; initiates capital improvement and bicycle projects; seeks grant funding for implementation of projects; and updates and monitors the Citywide bicycle master plan. The loss of this position will result in the reassignment of some work duties to other staff and will delay the investigation and/or implementation of bicycle-related requests from the public.</p>	(1.00)	\$ (110,370)

UTILITIES UNDERGROUNDING PROGRAM

Utilities Undergrounding Program	Positions	Cost
<p>Salary and Benefit Adjustments</p> <p>Adjustments to reflect the annualization of the Fiscal Year 2005 negotiated salary compensation schedule, changes to average salaries, retirement contributions, and retiree health contributions. Position adjustments, if applicable, reflect the City Manager's restructuring of Executive Team assignments.</p>	0.00	\$ 88,067
<p>Non-Discretionary</p> <p>Adjustments to reflect expenses that are determined outside of the Department's direct control. Examples of these adjustments include utilities, insurance, and rent.</p>	0.00	\$ 10,879

Engineering and Capital Projects

Significant Budget Adjustments

UTILITIES UNDERGROUNDING PROGRAM

Utilities Undergrounding Program	Positions	Cost
Support for Information Technology	0.00	\$ (32,714)

Funding is allocated according to a zero based annual review of information technology funding requirements and priority analyses.

INTERNAL SERVICES FUND

E&CP Water/Wastewtr Field - Eng	Positions	Cost
Salary and Benefit Adjustments	0.00	\$ 315,518

Adjustments to reflect the annualization of the Fiscal Year 2005 negotiated salary compensation schedule, changes to average salaries, retirement contributions, and retiree health contributions. Position adjustments, if applicable, reflect the City Manager's restructuring of Executive Team assignments.

Non-Discretionary	0.00	\$ 51,917
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Adjustments to reflect expenses that are determined outside of the Department's direct control. Examples of these adjustments include utilities, insurance, and rent.

Support for Information Technology	0.00	\$ (58,896)
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Funding is allocated according to a zero based annual review of information technology funding requirements and priority analyses.

Reduction in Construction Inspection Program	(4.00)	\$ (430,256)
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Reduction of 3.00 Assistant Engineer-Civil and 1.00 Assistant Engineer-Electrical positions that inspect the construction of water and sewer main replacements. Reduction of these positions is a result of a decrease in the number of Capital Improvement Program water and sewer projects for construction inspection services.

Water and Sewer Design	Positions	Cost
Salary and Benefit Adjustments	0.00	\$ 714,569

Adjustments to reflect the annualization of the Fiscal Year 2005 negotiated salary compensation schedule, changes to average salaries, retirement contributions, and retiree health contributions. Position adjustments, if applicable, reflect the City Manager's restructuring of Executive Team assignments.

Non-Discretionary	0.00	\$ 448,999
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Adjustments to reflect expenses that are determined outside of the Department's direct control. Examples of these adjustments include utilities, insurance, and rent.

Engineering and Capital Projects

Significant Budget Adjustments

INTERNAL SERVICES FUND

Water and Sewer Design	Positions	Cost
Support for Information Technology	0.00	\$ 180,054
Funding is allocated according to a zero based annual review of information technology funding requirements and priority analyses.		
Citywide Unclassified Personnel Reductions	(1.00)	\$ (156,132)
Reduction of 1.00 Assistant Deputy Director in Administration support. Managerial responsibilities will be consolidated with existing management staff in the Engineering and Capital Projects Department.		
Reduction in Project Management and Design Programs	(9.00)	\$ (960,189)
Reduction of 9.00 engineering, drafting, and administrative support positions that plan, design, and manage the construction and implementation of water and sewer main replacements. The reduction of these positions will result in a decrease of water and sewer mains designed and constructed in Fiscal Year 2006.		

Expenditures by Category

	FY 2004 BUDGET	FY 2005 BUDGET	FY 2006 FINAL
PERSONNEL			
Salaries & Wages	\$ 31,886,047	\$ 33,341,682	\$ 32,668,524
Fringe Benefits	\$ 11,035,545	\$ 13,030,552	\$ 14,150,449
SUBTOTAL PERSONNEL	\$ 42,921,592	\$ 46,372,234	\$ 46,818,973
NON-PERSONNEL			
Supplies & Services	\$ 7,322,354	\$ 8,760,868	\$ 9,186,402
Information Technology	\$ 6,443,122	\$ 5,868,664	\$ 6,020,831
Energy/Utilities	\$ 581,081	\$ 396,688	\$ 511,237
Equipment Outlay	\$ 553,016	\$ 538,071	\$ 480,071
SUBTOTAL NON-PERSONNEL	\$ 14,899,573	\$ 15,564,291	\$ 16,198,541
TOTAL	\$ 57,821,165	\$ 61,936,525	\$ 63,017,514

Engineering and Capital Projects

Revenues by Category

	FY 2004 BUDGET		FY 2005 BUDGET		FY 2006 FINAL
GENERAL FUND					
Licenses and Permits	\$ 21,750	\$	41,830	\$	39,750
Fines, Forfeitures, and Penalties	\$ -	\$	993,809	\$	993,809
Charges for Current Services	\$ 18,142,870	\$	18,745,654	\$	17,814,989
Transfers from Other Funds	\$ 5,836,761	\$	6,041,100	\$	5,975,015
TOTAL	\$ 24,001,381	\$	25,822,393	\$	24,823,563

Key Performance Measures

	FY 2004 BUDGET		FY 2005 BUDGET		FY 2006 FINAL
Average cost per speed survey conducted	\$333		\$354		\$386
Average cost per water and wastewater facilities project inspected to meet City design and standard specifications ⁽¹⁾	\$39,834		\$89,734		\$155,592
Average cost per construction project inspected to ensure City contracted projects and buildings meet City design and standard specifications	\$20,220		\$23,431		\$29,112
Average cost per materials test to ensure materials are manufactured according to specifications and to ensure quality control of material placement	\$23.27		\$20.13		\$21.40
Average cost per construction point staked (wood stakes used for various measurements at construction sites)	\$27.55		\$30.84		\$39.00
Average cost per subsidized transit pass sold	\$29.33		\$29.09		\$34.37
Average cost per roadway and street project managed	\$34,862		\$38,401		\$41,853
Average cost per traffic signal project managed	\$11,006		\$10,228		\$9,512
Average cost per storm drain and flood control project managed ⁽²⁾	\$18,452		\$13,257		\$14,458
Average cost to retime/optimize traffic signals	\$1,338		\$1,405		\$1,592
Average cost per traffic request completed	\$216		\$184		\$226
Average cost per traffic accident coded	\$16.76		\$16.12		\$16.75

Salary Schedule

GENERAL FUND

Transportation Engineering - Ops

<i>Class</i>	<i>Position Title</i>	<i>FY 2005 Positions</i>	<i>FY 2006 Positions</i>		<i>Salary</i>		<i>Total</i>
1104	Account Clerk	1.00	1.00	\$	36,329	\$	36,329
1106	Sr Management Analyst	1.00	1.00	\$	68,677	\$	68,677
1153	Asst Engineer-Civil	0.00	1.00	\$	66,046	\$	66,046
1207	Asst Engineer-Traffic	15.00	15.00	\$	66,802	\$	1,002,024
1221	Assoc Engineer-Civil	2.00	1.00	\$	77,067	\$	77,067

⁽¹⁾ Increase in cost between Fiscal Year 2004 and Fiscal Year 2005 due to larger scope and duration to complete trunk sewer and pump station projects than group jobs.

⁽²⁾ Reduction in cost between Fiscal Year 2004 and Fiscal Year 2005 due to restructuring.

Engineering and Capital Projects

Salary Schedule

GENERAL FUND

Transportation Engineering - Ops

<i>Class</i>	<i>Position Title</i>	<i>FY 2005 Positions</i>	<i>FY 2006 Positions</i>	<i>Salary</i>	<i>Total</i>
1233	Assoc Engineer-Traffic	11.00	10.00	\$ 77,090	\$ 770,898
1348	Info Systems Analyst II	1.00	1.00	\$ 62,220	\$ 62,220
1535	Clerical Assistant II	1.00	1.00	\$ 33,828	\$ 33,828
1730	Principal Traffic Engineering Aide	5.00	5.00	\$ 58,127	\$ 290,635
1746	Word Processing Operator	2.00	2.00	\$ 36,283	\$ 72,566
1752	Project Officer II	0.00	1.00	\$ 87,491	\$ 87,491
1855	Sr Civil Engineer	1.00	0.00	\$ -	\$ -
1861	Sr Engineering Aide	3.00	3.00	\$ 49,874	\$ 149,622
1878	Sr Traffic Engineer	4.00	4.00	\$ 88,977	\$ 355,909
1879	Sr Clerk/Typist	1.00	1.00	\$ 41,523	\$ 41,523
	Bilingual - Regular	0.00	0.00	\$ -	\$ 6,295
	Overtime Budgeted	0.00	0.00	\$ -	\$ 3,952
	Reg Pay For Engineers	0.00	0.00	\$ -	\$ 163,933
	Temporary Help	0.00	0.00	\$ -	\$ 25,644
	Total	48.00	47.00		\$ 3,314,659

Transportation Engineering - Design

<i>Class</i>	<i>Position Title</i>	<i>FY 2005 Positions</i>	<i>FY 2006 Positions</i>	<i>Salary</i>	<i>Total</i>
1106	Sr Management Analyst	1.00	1.00	\$ 68,677	\$ 68,677
1107	Administrative Aide II	1.00	0.00	\$ -	\$ -
1153	Asst Engineer-Civil	17.00	17.00	\$ 66,046	\$ 1,122,778
1207	Asst Engineer-Traffic	4.00	4.00	\$ 66,802	\$ 267,206
1218	Assoc Management Analyst	2.00	2.00	\$ 61,401	\$ 122,801
1221	Assoc Engineer-Civil	11.00	11.00	\$ 77,068	\$ 847,744
1227	Assoc Planner	1.00	1.00	\$ 65,180	\$ 65,180
1233	Assoc Engineer-Traffic	4.00	4.00	\$ 77,090	\$ 308,359
1348	Info Systems Analyst II	1.00	1.00	\$ 62,220	\$ 62,220
1401	Info Systems Technician	1.00	1.00	\$ 49,116	\$ 49,116
1535	Clerical Assistant II	2.00	2.00	\$ 33,827	\$ 67,654
1725	Principal Drafting Aide	3.00	2.00	\$ 57,960	\$ 115,919
1727	Principal Engineering Aide	4.00	3.00	\$ 57,540	\$ 172,620
1746	Word Processing Operator	1.00	1.00	\$ 36,284	\$ 36,284
1855	Sr Civil Engineer	4.00	4.00	\$ 89,051	\$ 356,204
1872	Sr Planner	2.00	2.00	\$ 75,218	\$ 150,436
1878	Sr Traffic Engineer	1.00	1.00	\$ 88,977	\$ 88,977
1879	Sr Clerk/Typist	1.00	1.00	\$ 41,523	\$ 41,523
1917	Supv Management Analyst	1.00	1.00	\$ 77,660	\$ 77,660
2117	Asst To The Eng & Cap Proj Dir	1.00	1.00	\$ 114,502	\$ 114,502
2214	Deputy Director	1.00	1.00	\$ 120,169	\$ 120,169

Engineering and Capital Projects

Salary Schedule

GENERAL FUND

Transportation Engineering - Design

<i>Class</i>	<i>Position Title</i>	<i>FY 2005 Positions</i>	<i>FY 2006 Positions</i>	<i>Salary</i>	<i>Total</i>
	Bilingual - Regular	0.00	0.00	\$ -	\$ 1,571
	Field Training Pay	0.00	0.00	\$ -	\$ 59,237
	Reg Pay For Engineers	0.00	0.00	\$ -	\$ 207,043
	Temporary Help	0.00	0.00	\$ -	\$ 23,719
	Total	64.00	61.00	\$ -	\$ 4,547,599

Field Engineering

<i>Class</i>	<i>Position Title</i>	<i>FY 2005 Positions</i>	<i>FY 2006 Positions</i>	<i>Salary</i>	<i>Total</i>
1104	Account Clerk	2.00	2.00	\$ 36,329	\$ 72,658
1153	Asst Engineer-Civil	36.00	36.00	\$ 66,046	\$ 2,377,645
1157	Asst Engineer-Electrical	4.00	4.00	\$ 65,716	\$ 262,864
1207	Asst Engineer-Traffic	2.00	2.00	\$ 66,802	\$ 133,603
1218	Assoc Management Analyst	1.50	1.50	\$ 61,400	\$ 92,100
1221	Assoc Engineer-Civil	10.00	9.00	\$ 77,068	\$ 693,609
1223	Assoc Engineer-Electrical	1.00	1.00	\$ 75,952	\$ 75,952
1225	Assoc Engineer-Mechanical	1.00	1.00	\$ 76,680	\$ 76,680
1233	Assoc Engineer-Traffic	1.00	1.00	\$ 77,090	\$ 77,090
1348	Info Systems Analyst II	1.00	1.00	\$ 62,220	\$ 62,220
1525	Principal Survey Aide	10.00	8.00	\$ 56,740	\$ 453,922
1535	Clerical Assistant II	3.00	3.00	\$ 33,827	\$ 101,481
1648	Payroll Specialist II	1.00	1.00	\$ 39,930	\$ 39,930
1727	Principal Engineering Aide	11.00	8.00	\$ 57,540	\$ 460,323
1746	Word Processing Operator	1.00	1.00	\$ 36,284	\$ 36,284
1751	Project Officer I	1.00	1.00	\$ 76,278	\$ 76,278
1844	Sr Account Clerk	0.50	0.00	\$ -	\$ -
1855	Sr Civil Engineer	6.00	5.00	\$ 89,051	\$ 445,257
1878	Sr Traffic Engineer	1.00	1.00	\$ 88,977	\$ 88,977
1879	Sr Clerk/Typist	1.00	1.00	\$ 41,523	\$ 41,523
1881	Sr Survey Aide	5.00	4.00	\$ 50,709	\$ 202,834
1935	Sr Land Surveyor	1.00	1.00	\$ 88,905	\$ 88,905
1938	Land Surveying Asst	13.00	12.00	\$ 65,925	\$ 791,098
1939	Land Surveying Assoc	6.00	6.00	\$ 75,719	\$ 454,312
2214	Deputy Director	0.85	0.85	\$ 113,687	\$ 96,634
	Field Training Pay	0.00	0.00	\$ -	\$ 64,704
	Overtime Budgeted	0.00	0.00	\$ -	\$ 68,603
	Reg Pay For Engineers	0.00	0.00	\$ -	\$ 356,461
	Temporary Help	0.00	0.00	\$ -	\$ 71,961
	Total	120.85	111.35	\$ -	\$ 7,863,908

Engineering and Capital Projects

Salary Schedule

GENERAL FUND

Architectural Engineering and Contracts

<i>Class</i>	<i>Position Title</i>	<i>FY 2005 Positions</i>	<i>FY 2006 Positions</i>	<i>Salary</i>	<i>Total</i>
1105	Administrative Aide I	1.00	0.00	\$ -	\$ -
1153	Asst Engineer-Civil	7.00	5.00	\$ 66,046	\$ 330,229
1218	Assoc Management Analyst	3.00	3.00	\$ 61,400	\$ 184,201
1221	Assoc Engineer-Civil	8.00	8.00	\$ 77,068	\$ 616,542
1535	Clerical Assistant II	2.00	2.00	\$ 33,827	\$ 67,654
1746	Word Processing Operator	4.00	4.00	\$ 36,284	\$ 145,135
1751	Project Officer I	2.00	2.00	\$ 76,277	\$ 152,554
1752	Project Officer II	2.00	2.00	\$ 87,492	\$ 174,983
1855	Sr Civil Engineer	4.00	3.00	\$ 89,052	\$ 267,155
1879	Sr Clerk/Typist	1.00	1.00	\$ 41,523	\$ 41,523
1926	Info Systems Analyst IV	1.00	1.00	\$ 77,494	\$ 77,494
2214	Deputy Director	0.70	0.70	\$ 120,169	\$ 84,118
	Field Training Pay	0.00	0.00	\$ -	\$ 13,252
	Reg Pay For Engineers	0.00	0.00	\$ -	\$ 151,636
	Total	35.70	31.70	\$ -	\$ 2,306,476

Administration

<i>Class</i>	<i>Position Title</i>	<i>FY 2005 Positions</i>	<i>FY 2006 Positions</i>	<i>Salary</i>	<i>Total</i>
1106	Sr Management Analyst	1.00	1.00	\$ 68,677	\$ 68,677
1648	Payroll Specialist II	1.50	1.50	\$ 39,930	\$ 59,895
1876	Executive Secretary	0.68	0.73	\$ 50,412	\$ 36,801
2147	Eng & Cap Proj Director	0.84	0.84	\$ 143,761	\$ 120,759
2153	Deputy City Manager	0.01	0.06	\$ 178,533	\$ 10,712
	Field Training Pay	0.00	0.00	\$ -	\$ 3,420
	Reg Pay For Engineers	0.00	0.00	\$ -	\$ 8,771
	Total	4.03	4.13	\$ -	\$ 309,035
	General Fund Total	272.58	255.18	\$ -	\$ 18,341,677

UTILITIES UNDERGROUNDING PROGRAM

Utilities Undergrounding Program

<i>Class</i>	<i>Position Title</i>	<i>FY 2005 Positions</i>	<i>FY 2006 Positions</i>	<i>Salary</i>	<i>Total</i>
1106	Sr Management Analyst	1.00	0.00	\$ -	\$ -
1153	Asst Engineer-Civil	2.00	2.00	\$ 66,046	\$ 132,091
1221	Assoc Engineer-Civil	1.00	1.00	\$ 77,068	\$ 77,068
1555	Junior Engineering Aide	1.00	1.00	\$ 42,575	\$ 42,575
1725	Principal Drafting Aide	1.00	0.00	\$ -	\$ -
1727	Principal Engineering Aide	1.00	2.00	\$ 57,540	\$ 115,080
1730	Principal Traffic Engineering Aide	1.00	1.00	\$ 58,127	\$ 58,127
1871	Sr Public Information Officer	1.00	1.00	\$ 62,584	\$ 62,584

Engineering and Capital Projects

Salary Schedule

UTILITIES UNDERGROUNDING PROGRAM

Utilities Undergrounding Program

<i>Class</i>	<i>Position Title</i>	<i>FY 2005 Positions</i>	<i>FY 2006 Positions</i>	<i>Salary</i>	<i>Total</i>
1917	Supv Management Analyst	0.00	1.00	\$ 77,660	\$ 77,660
2214	Deputy Director	0.15	0.15	\$ 120,167	\$ 18,025
	Total	9.15	9.15		\$ 583,210

INTERNAL SERVICES FUND

Water and Sewer Design

<i>Class</i>	<i>Position Title</i>	<i>FY 2005 Positions</i>	<i>FY 2006 Positions</i>	<i>Salary</i>	<i>Total</i>
1104	Account Clerk	3.00	3.00	\$ 36,329	\$ 108,986
1105	Administrative Aide I	2.00	2.00	\$ 42,443	\$ 84,886
1106	Sr Management Analyst	2.00	2.00	\$ 68,678	\$ 137,355
1107	Administrative Aide II	2.00	2.00	\$ 48,630	\$ 97,260
1153	Asst Engineer-Civil	47.00	46.00	\$ 66,046	\$ 3,038,102
1218	Assoc Management Analyst	6.00	6.00	\$ 61,400	\$ 368,402
1221	Assoc Engineer-Civil	23.00	20.00	\$ 77,068	\$ 1,541,352
1227	Assoc Planner	3.00	3.00	\$ 65,180	\$ 195,540
1349	Info Systems Analyst III	1.00	1.00	\$ 68,822	\$ 68,822
1423	Sr Drafting Aide	2.00	1.00	\$ 51,329	\$ 51,329
1535	Clerical Assistant II	2.00	1.00	\$ 33,827	\$ 33,827
1648	Payroll Specialist II	1.00	1.00	\$ 39,930	\$ 39,930
1727	Principal Engineering Aide	31.00	29.00	\$ 57,540	\$ 1,668,668
1746	Word Processing Operator	4.00	4.00	\$ 36,284	\$ 145,134
1750	Project Assistant	5.00	5.00	\$ 66,945	\$ 334,725
1752	Project Officer II	1.00	1.00	\$ 87,492	\$ 87,492
1855	Sr Civil Engineer	6.00	5.00	\$ 89,051	\$ 445,255
1871	Sr Public Information Officer	1.00	1.00	\$ 62,584	\$ 62,584
1872	Sr Planner	1.00	1.00	\$ 75,218	\$ 75,218
1876	Executive Secretary	0.29	0.29	\$ 50,407	\$ 14,618
1879	Sr Clerk/Typist	1.00	1.00	\$ 41,522	\$ 41,522
1910	Student Engineer	0.25	0.25	\$ 29,068	\$ 7,267
1917	Supv Management Analyst	3.00	3.00	\$ 77,660	\$ 232,980
2147	Eng & Cap Proj Director	0.15	0.15	\$ 143,760	\$ 21,564
2214	Deputy Director	1.15	1.15	\$ 125,517	\$ 144,344
2250	Asst Deputy Director	1.00	0.00	\$ -	\$ -
	Ex Perf Pay-Classified	0.00	0.00	\$ -	\$ 13,715
	Overtime Budgeted	0.00	0.00	\$ -	\$ 254,437
	Reg Pay For Engineers	0.00	0.00	\$ -	\$ 119,538

Engineering and Capital Projects

Salary Schedule

INTERNAL SERVICES FUND

Water and Sewer Design

<i>Class</i>	<i>Position Title</i>	<i>FY 2005 Positions</i>	<i>FY 2006 Positions</i>	<i>Salary</i>	<i>Total</i>
	Temporary Help	0.00	0.00	\$ -	\$ 35,153
	Total	149.84	139.84	\$	\$ 9,470,005

E&CP Water/Wastewtr Field - Eng

<i>Class</i>	<i>Position Title</i>	<i>FY 2005 Positions</i>	<i>FY 2006 Positions</i>	<i>Salary</i>	<i>Total</i>
1104	Account Clerk	1.00	1.00	\$ 36,329	\$ 36,329
1153	Asst Engineer-Civil	36.00	33.00	\$ 66,046	\$ 2,179,509
1157	Asst Engineer-Electrical	1.00	0.00	\$ -	\$ -
1218	Assoc Management Analyst	0.50	0.50	\$ 61,400	\$ 30,700
1221	Assoc Engineer-Civil	9.00	9.00	\$ 77,068	\$ 693,610
1227	Assoc Planner	2.00	2.00	\$ 65,180	\$ 130,360
1525	Principal Survey Aide	2.00	2.00	\$ 56,740	\$ 113,480
1535	Clerical Assistant II	1.00	1.00	\$ 33,827	\$ 33,827
1648	Payroll Specialist II	0.25	0.25	\$ 39,928	\$ 9,982
1727	Principal Engineering Aide	2.00	2.00	\$ 57,540	\$ 115,080
1746	Word Processing Operator	1.00	1.00	\$ 36,284	\$ 36,284
1777	Public Info Officer	0.50	0.50	\$ 50,474	\$ 25,237
1844	Sr Account Clerk	1.50	1.50	\$ 41,348	\$ 62,022
1855	Sr Civil Engineer	3.00	3.00	\$ 89,051	\$ 267,154
1876	Executive Secretary	0.03	0.03	\$ 50,400	\$ 1,512
1881	Sr Survey Aide	3.00	3.00	\$ 50,708	\$ 152,125
1938	Land Surveying Asst	4.00	4.00	\$ 65,925	\$ 263,700
2147	Eng & Cap Proj Director	0.01	0.01	\$ 143,800	\$ 1,438
2214	Deputy Director	0.15	0.15	\$ 113,687	\$ 17,053
	Overtime Budgeted	0.00	0.00	\$ -	\$ 8,790
	Reg Pay For Engineers	0.00	0.00	\$ -	\$ 95,440
	Total	67.94	63.94	\$	\$ 4,273,632
	Internal Services Fund Total	217.78	203.78	\$	\$ 13,743,637
	ENGINEERING AND CAPITAL PROJECTS	499.51	468.11	\$	\$ 32,668,524
	TOTAL				

Engineering and Capital Projects

Non-General Fund Five-Year Expenditure Forecast

	FY 2006 FINAL	FY 2007 FORECAST	FY 2008 FORECAST	FY 2009 FORECAST	FY 2010 FORECAST	FY 2011 FORECAST
Positions	212.93	212.93	212.93	212.93	212.93	212.93
Personnel Expense	\$ 20,633,669	\$ 21,252,679	\$ 21,890,259	\$ 22,546,967	\$ 23,223,376	\$ 23,920,077
Non-Personnel Expense	\$ 10,612,403	\$ 10,930,775	\$ 11,258,698	\$ 11,596,459	\$ 11,944,353	\$ 12,302,684
TOTAL EXPENDITURES	\$ 31,246,072	\$ 32,183,454	\$ 33,148,957	\$ 34,143,426	\$ 35,167,729	\$ 36,222,761

General Fund Five-Year information is located in the Multi-Year Financial Forecast located in Volume I of this Document.

Engineering and Capital Projects

Fiscal Years 2007-2011

No major projected requirements.

Engineering and Capital Projects

Revenue and Expense Statement

INTERNAL SERVICES FUND 50050

	FY 2004*	FY 2005*	FY 2006*
	BUDGET	BUDGET	FINAL
REVENUE			
Metropolitan Wastewater Department Reimbursement	\$ 21,036,544	\$ 23,213,040	\$ 23,285,235
Water Department Reimbursement	\$ 7,796,939	\$ 6,568,987	\$ 6,602,376
TOTAL REVENUE	\$ 28,833,483	\$ 29,782,027	\$ 29,887,611
TOTAL BALANCE AND REVENUE	\$ 28,833,483	\$ 29,782,027	\$ 29,887,611
OPERATING EXPENSE			
Wastewater/CIP Design	\$ 11,006,301	\$ 12,636,337	\$ 12,096,388
Wastewater/CIP Field Engineering	\$ 4,855,987	\$ 5,283,960	\$ 5,192,828
Water /CIP Design	\$ 2,996,862	\$ 2,167,408	\$ 2,255,351
Water/CIP Field Engineering	\$ 3,254,520	\$ 3,467,565	\$ 3,436,980
Water/Wastewater Facilities -Administration	\$ 6,719,813	\$ 6,226,757	\$ 6,906,064
TOTAL OPERATING EXPENSE	\$ 28,833,483	\$ 29,782,027	\$ 29,887,611
TOTAL EXPENSE	\$ 28,833,483	\$ 29,782,027	\$ 29,887,611
BALANCE	\$ -	\$ -	\$ -
TOTAL EXPENSE AND BALANCE	\$ 28,833,483	\$ 29,782,027	\$ 29,887,611

* At the time of publication audited financial statements for Fiscal Year 2004 were not available. Therefore, the Fiscal Years 2004 and 2005 columns reflect final budget amounts from the Fiscal Year 2004 and 2005 Annual Budgets. As such, balances and reserves do not reflect carryover from the previous fiscal year.

Engineering and Capital Projects

Revenue and Expense Statement

UTILITIES UNDERGROUNDING PROGRAM FUND 30100

	FY 2004*	FY 2005*	FY 2006*
	BUDGET	BUDGET	FINAL
BEGINNING BALANCE AND RESERVE			
Balance from Prior Year	\$ 8,467,156	\$ 27,187,237	\$ 10,358,461
TOTAL BALANCE	<u>\$ 8,467,156</u>	<u>\$ 27,187,237</u>	<u>\$ 10,358,461</u>
REVENUE			
Electric Surcharge	\$ 38,800,000	\$ 38,800,000	\$ 41,923,767
Interest on Investments	\$ -	\$ -	\$ 334,556
TOTAL REVENUE	<u>\$ 38,800,000</u>	<u>\$ 38,800,000</u>	<u>\$ 42,258,323</u>
TOTAL BALANCE AND REVENUE	<u>\$ 47,267,156</u>	<u>\$ 65,987,237</u>	<u>\$ 52,616,784</u>
CAPITAL IMPROVEMENTS PROGRAM (CIP)			
CIP Expenditures	\$ 37,593,119	\$ 64,453,586	\$ 51,258,323
TOTAL CIP EXPENSE	<u>\$ 37,593,119</u>	<u>\$ 64,453,586</u>	<u>\$ 51,258,323</u>
OPERATING EXPENSE			
Personnel and Non-Personnel Expense	\$ 1,206,881	\$ 1,292,229	\$ 1,358,461
TOTAL OPERATING EXPENSE	<u>\$ 1,206,881</u>	<u>\$ 1,292,229</u>	<u>\$ 1,358,461</u>
TOTAL EXPENSE	<u>\$ 38,800,000</u>	<u>\$ 65,745,815</u>	<u>\$ 52,616,784</u>
BALANCE	\$ 8,467,156	\$ 241,422	\$ -
TOTAL EXPENSE, RESERVE AND BALANCE	<u>\$ 47,267,156</u>	<u>\$ 65,987,237</u>	<u>\$ 52,616,784</u>

* At the time of publication audited financial statements for Fiscal Year 2004 were not available. Therefore, the Fiscal Years 2004 and 2005 columns reflect final budget amounts from the Fiscal Year 2004 and 2005 Annual Budgets. As such, balances and reserves do not reflect carryover from the previous fiscal year.