CAPITAL IMPROVEMENT PLAN

Purpose

The City of Manteca's Capital Improvement Program (CIP) is a comprehensive five-year plan of capital improvement needs. The program is a guide for identifying and managing current and future scheduling and funding requirements for defined projects. These requirements then become the basis for determining the annual adopted capital budgets. Each year when the CIP is reviewed, the program is moved forward one year and the previous second year of the CIP becomes the current year proposed capital budget. CIP project management software is used to help staff schedule and manage current and future projects, and provide for financial planning.

The CIP provide a number of benefits, including:

- Keeps public informed and focuses attention on community objectives.
- Coordinates capital needs and the operating budget.
- Promotes and prioritizes careful project planning.
- Unites local government entities activities' to reduce duplication
- Increases opportunities for obtaining federal and state aid.

Goal

The Capital Improvement Program and its budget process enable the City of Manteca to comprehensively plan, schedule, manage and financially monitor capital projects in accordance with established goals and policies consistent with the City's General Plan.

Definitions and Qualifications for a CIP Project

A capital improvement project is the acquisition, expansion or rehabilitation of land facilities, buildings, major equipment and other major infrastructure with the following criteria. In order to approved, each project requires an identified funding source.

- All projects requiring debt obligations.
- Projects requiring the acquisition of land.
- A project for the expansion, rehabilitation or construction of building, parks, facilities and City infrastructure with a capital improvement cost exceeding $100,000 for public works projects and $25,000 for all other projects.
- The purchase of equipment, with a purchase value exceeding $25,000.
- Transportation projects including but not limited to rehabilitation, new and expansion of the City's transportation and pedestrian networks with a cost exceeding $100,000.
- CIP projects may include long-range infrastructure maintenance programs which increase the life of the City's capital facilities, streets, utilities, and equipment.
- CIP projects may include all costs incurred in the development, presentation and publication of master plans, modeling and studies leading to the development of a CIP project.

Policies

General Policies

- To provide a consistent framework for identifying and financing all capital improvement needs.
- The Capital Improvement Program will incorporate City Council priorities, long-range community objectives and efficient City operations.
- The Capital Improvement Program is designed to be a financial and project planning and management tool.
- Project costs may include the following components: design, construction, contingency, general costs, management, planning, right of way, and computer hardware and software for the life of the project.
- Stated fiscal impact should include ongoing maintenance and life-cycle costs.

Financial Policies

- The City will adopt a Capital Improvement Program budget. The CIP financial plan is presented for a projected five-year time period, with appropriations approved annually.
- The Program will identify estimated capital, financial, on-going operations costs, and the proposed funding sources for each project recommended to the City council for review and approval.

- All funds previously appropriated will be automatically approved for carry-over for future costs until a project is deemed complete or is removed from the CIP.
- Previously approved projects that do not have expenditures, encumbrances, or approved contracts three-years after approval will be defunded and reprioritized.

Project Evaluation

Criteria Review and Assessment

All proposed planning projects over $25,000, or $100,000 for Public Works projects, are evaluated by set criteria. The sponsoring department will complete the planning projects cost estimates and fund allocation for review by the Finance department before City Council approval.

In preparing the CIP recommendations, the following criterions are utilized:

- Does it complete an existing project?
- Is it mandated by the state or federal government?
- Is there significant outside funding for the project?
- Is it necessary to address an immediate public health or safety concern that cannot be deferred beyond the next fiscal year?
- Is it necessary to adequately maintain existing facilities, infrastructure or equipment?
- Does it implement a high priority Council goal for the upcoming fiscal year?
- Will it result in significant operating savings in the future that makes a compelling case for making this investment solely on a financial basis? If yes, how can we ensure that these savings will in fact occur?
- Was the project included in a currently adopted master plan, rate study or fee nexus?

Approval and Adoption

When estimated project cost totals are complete, the Finance department assesses the projects in terms of the City's general plan, council priorities, available funding and impact on the community. The recommended CIP projects are then submitted with the annual budget to City Council for review and adoption.

Organization

The CIP is a five-year plan organized into the same eight functional groupings used for the operating programs:

1. Public Utilities
2. Transportation
3. Community Development
4. Public Transit
5. Public Safety
6. Parks, Recreation, and Community Services
7. General Government

It is composed of three sections:

1. Introduction
2. Summary of CIP Requests
    a. FY2014-18 Projects By Fund Source
    b. Program Summary (5-year)
    c. Fund Source Summary (5-year)
3. Program Requests
    a. Detailed descriptions of each project by program, including the following information:
        i. Project number and title
        ii. Responsible department and program
        iii. Project manager
        iv. Project description and justification
        v. Total project cost
        vi. Project phasing and funding sources
        vii. Prior year's budget and expenditures

CIP Summary

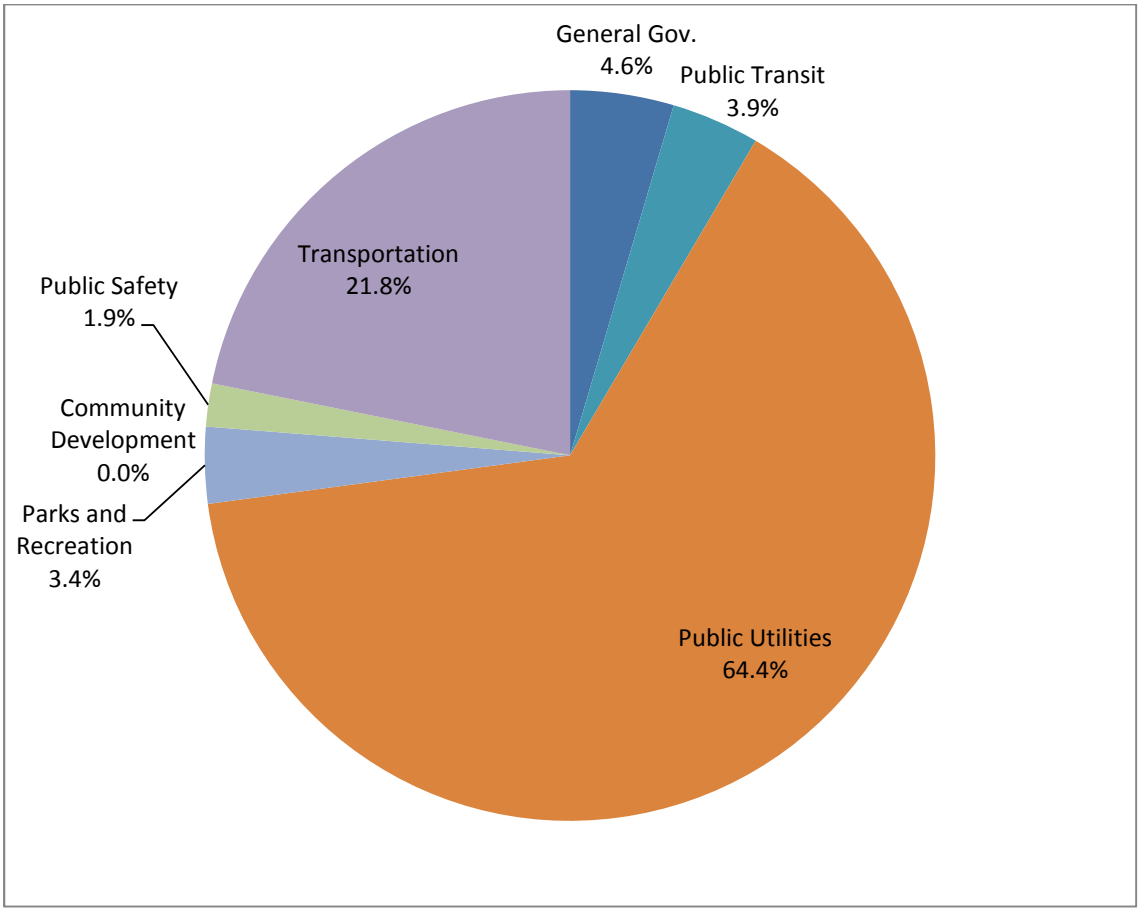
Schedules summarizing the five-year Capital Improvement Plan (CIP) have been included in the Financial Plan.

1. Summary by program for each year
2. Summary by funding source for each year
3. Projects by program
4. Projects

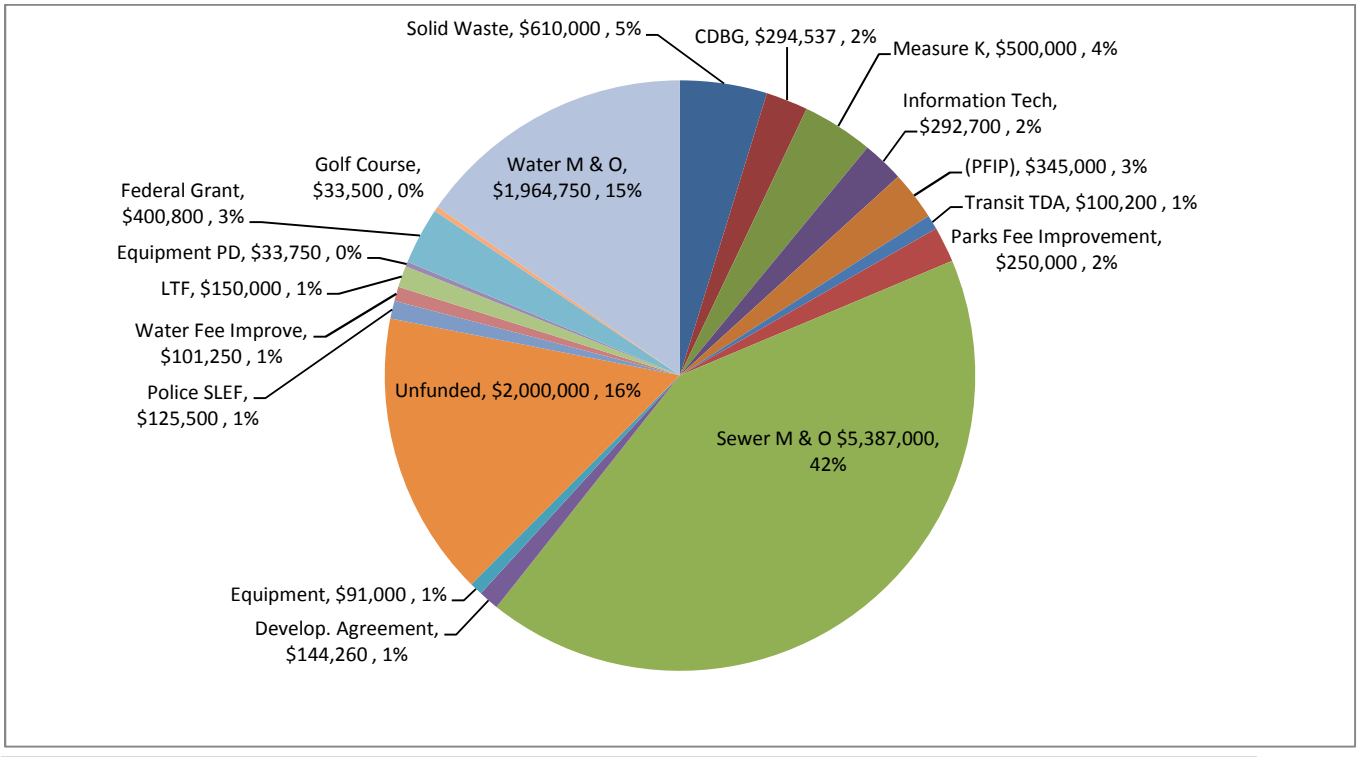
CIP Highlights

As summarized below, the one-year CIP for FY 2013-14 totals $12,824,247:

CIP Request by Program	FY 2013-14
Community Development	$0
General Government	$587,237
Parks, Recreation and Community Services	$433,760
Public Safety	$244,250
Public Transit	$501,000
Public Utilities	$8,258,000
Transportation	$2,800,000
Total	**$12,824,247**



CIP Request by Source	FY2013-14
CDBG	$294,537
CMAQ	$0
Development Agreement Fees	$144,260
Federal Grant	$400,800
Equipment PD	$33,750
General Fund	$0
Equipment	$91,000
Golf Course Maintenance & Operations	$33,500
Government Building Facilities Fee	$0
Information Technology Fund	$292,700
Local Transportation Fund (LTF)	$150,000
Major Equipment Purchase Fee	$0
Measure K	$500,000
Parks Fee Improvement	$250,000
Police SLEF	$125,500
Public Facilities Implementation Plan (PFIP)	$345,000
Prop 1B	$0
RDA	$0
Regional Surface Transportation Program (RSTP)	$0
Regional Transportation Impact Fee (RTIF)	$0
Sewer Fee Improvements	$0
Sewer Maintenance & Operations	$5,387,000
Solid Waste	$610,000
Transit TDA	$100,200
Subsidized Streets Fund	$0
Transportation Equity Act (TEA)	$0
Unfunded	$2,000,000
Vehicle	$0
Water Fee Improvement	$101,250
Water Maintenance & Operations	$1,964,750
Total	**$12,824,247**



Deferred Projects Beyond FY 2014-18

Each project initially submitted by departments presented a compelling case for meeting capital needs. However, additional CIP projects will have to be balanced by current funds available, projected development and projected future cash flows. Accordingly, in several cases, while a project may have been meritorious, its costs relative to the resources available was so large that it has been deferred beyond the five-year CIP.

Stated simply, given the very remote possibility of funding such a project within the next five years, is was concluded that including the project – even if in year three or four – would convey a misleading picture of the likelihood of the project moving forward in the next five-year planning horizon.

The chart below reflects the projects that are not recommended in the FY 2014-18 CIP:

Projects Deferred Beyond 2014-18 (Five Year Cost)

Project	Total
Performing / Visual Arts Center	$18,000,000
Community Center	$16,000,000
Aquatics Center	$16,000,000
Library Expansion	$33,000,000
Woodward Park Baseball Field	$1,600,000
Woodward Park Amphitheatre	$1,900,000
Woodward Park Tennis Center	$4,100,000
Water Line Replacement – Area 7	$1,902,000
Park Ave / Willow Ave Pipeline Improv.	$682,000
Water Line Replacement – Area 8	$270,000
Water Line Replacement – Area 9	$205,000
Airport Road Surface Water Pipeline	$1,295,000
East Manteca Surface Water Pipeline	$1,645,000
Tidewater/Moffat Blvd. Improvements	$400,000
Cart Path Construction	$250,000
WQCF Phase IV Expansion (2.5 MGD)	$8,000,000
	$105,249,000

Projects Completed FY13

Projects Completed FY13	
Project	**Total**
Wells 13, 19, 21 Treatment	$3,163,415
Wells 12, 15, 22 Blending	$3,395,944
M2 Emergency Generator	$190,000
M3 Emergency Generator	$190,000
Well Site Generator Sound Attenuation	$327,000
Louise Avenue Surface Water Pipeline	$290,000
Side Loader Collection Vehicles	$946,000
Fiber Optic Cable Remediation	$30,000
Woodward Park Picnic Shelter	$270,000
Ion Chromatograph	$119,000
Front End Loader Replacement	$390,000
Service Truck	$65,000
Turf Core Aerator	$30,500
Utility Tractor	$28,500
Union Ranch East Improvements	$1,419,775
Union Road/UPRR Grade Crossing (Sec 130)	$48,963
Replace Emergency Response Staff Vehicle	$39,000
Video Line Sewer Camera	$61,000
Library Park Expansion – Phase II	$2,145,000
	$13,149,097

CITY OF MANTECA
Capital Improvement Plan
FY 2013/14 - FY 2017/18

FUND SOURCE SUMMARY

Funding Sources	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
CDBG	294,537	0	0	0	0	294,537
Development Agreement Fees	144,260	0	0	0	0	144,260
Equipment	91,000	0	0	0	0	91,000
Equipment PD	33,750	33,750	0	0	0	67,500
Federal Grant	400,800	0	0	0	0	400,800
FTA Grant	0	0	0	0	0	0
Gas Tax	0	38,185	0	0	0	38,185
General Fund	0	0	0	0	0	0
Golf Course Maint & Oper	33,500	80,000	145,000	0	0	258,500
Government Building Facilities Fee	0	0	0	0	0	0
Information Technology	292,700	400,000	75,000	520,000	0	1,287,700
LTF	0	0	0	0	0	0
Major Equipment Purchase Fee	0	0	390,000	0	0	390,000
Measure K	500,000	500,000	0	0	0	1,000,000
Parks Fee Improvement	250,000	75,000	864,000	0	0	1,189,000
PFIP - Sewer	0	1,880,000	8,267,000	3,542,000	0	13,689,000
PFIP - Storm Drain	0	2,170,000	575,000	285,000	0	3,030,000
PFIP - Transportation	233,000	0	0	0	0	233,000
PFIP - Water	112,000	0	427,000	0	2,842,000	3,381,000
Police SLEF	125,500	0	0	0	0	125,500
RDA	0	0	0	0	0	0
RSTP	0	1,100,000	0	0	0	1,100,000
RTIF	0	0	0	0	0	0
Sewer Maint & Oper	3,139,500	3,647,000	11,112,000	2,281,000	220,000	20,399,500
Solid Waste	610,000	620,000	630,000	640,000	650,000	3,150,000
State/County Grant	0	0	0	0	0	0
Subsidized Street	0	0	0	0	0	0
TEA	0	0	0	0	0	0
Transit TDA	100,200	0	0	0	0	100,200
Unfunded	2,000,000	0	0	750,000	0	2,750,000
Water Fee Improvement	101,250	102,600	0	0	0	203,850
Water Maint & Oper	1,964,750	4,960,400	4,421,000	4,915,000	1,599,000	17,860,150
Total	10,426,747	15,606,935	26,906,000	12,933,000	5,311,000	71,183,682

FY 2013-14 PROJECTS BY FUND SOURCE

Funding Sources	Project ID	Proposed FY13/14
CDBG		
City Council Chambers Tech Upgrades	11030	294,537
CDBG		294,537
Development Agreement Fees		
Fire Station #1 Repairs	11054	85,000
Senior Center Improvements	14027	59,260
Development Agreement Fees		144,260
Equipment		
Large Area Turf Mower	14015	91,000
Equipment		91,000
Equipment PD		
Body Worn Camera Package	14031	33,750
Equipment PD		33,750
Federal Grant		
2014 Transit Vehicles	14028	240,000
Bus Stop Security	11041	160,800
Federal Grant		400,800
Golf Course Maint & Oper		
Tee Mower	14032	33,500
Golf Course Maint & Oper		33,500
Information Technology		
Backup System Expansion	14033	150,000
Police Technology Upgrades	14034	142,700
Information Technology		292,700
LTF		
Annual Curb, Gutter & Sidewalk	11037	(150,000)
Manteca Pedestrian Crossing Improvements	14026	150,000
LTF		0
Measure K		
2014 Annual Pavement Maintenance	14014	500,000
Measure K		500,000
Parks Fee Improvement		
Northgate Parking Lot Reconstruction	11001	150,000
Play Equipment	09102	100,000

FY 2013-14 PROJECTS BY FUND SOURCE

Funding Sources	Project ID	Proposed FY13/14
Parks Fee Improvement		250,000
PFIP - Transportation		
New Austin Road / SR99 Interchange	13032	150,000
Public Facilities Implementation Plan (PFIP)	12041	83,000
PFIP - Transportation		233,000
PFIP - Water		
Test Wells - New Development	14021	112,000
PFIP - Water		112,000
Police SLEF		
2014 Police Patrol Vehicles	14029	93,000
2014 Unmarked Police Vehicle	14030	32,500
Police SLEF		125,500
Sewer Maint & Oper		
5,000 lb Propane Forklift	14018	30,000
Aeration Basin Air Diffuser Panel Upgrade	11021	(372,500)
Aeration Basin Blower Replacement	12027	(895,000)
Aeration Basin Improvements	11018	(598,000)
Chemical Storage Tanks	11058	(184,000)
Crane Truck	13022	30,000
Digester Feed Line Grinder	14017	107,000
Farmland Irrigation Pipeline Rehabilitation	14019	590,000
Inspect and Clean Sewer Pipelines	11045	123,000
IPS Inlet Junction Structure Rehabilitation	12028	355,000
North Plant Aeration Basin Optimization	14022	3,479,000
NS Aeration Basin Blower Switchgear Replc.	12019	(135,000)
Sewer NPDES Discharge Permit Renewal	14016	360,000
Tertiary Inlet Filter Valve Automation	12018	(63,000)
UV Air Conditioning System Upgrade	14020	313,000
Sewer Maint & Oper		3,139,500
Solid Waste		
Solid Waste Collection Vehicles	11078	610,000
Solid Waste		610,000
Transit TDA		
2014 Transit Vehicles	14028	60,000
Bus Stop Security	11041	40,200

FY 2013-14 PROJECTS BY FUND SOURCE

Funding Sources	Project ID	Proposed FY13/14
Transit TDA		100,200
Unfunded		
Existing Austin / SR99 Interch. Impr.	11035	2,000,000
Unfunded		2,000,000
Water Fee Improvement		
Surface Water Plant Membrane Rplcmnt	11016	101,250
Water Fee Improvement		101,250
Water Maint & Oper		
Airport Way / SR120 Water Line	14024	60,000
Hydraulic Water Model Update	14023	175,000
M2/M3 Tank Site Improvements	14025	435,000
Sensus Automated Meter Upgrades	13037	420,000
Surface Water Plant Membrane Rplcmnt	11016	273,750
Water Wells 28 & 29	13007	601,000
Water Maint & Oper		1,964,750

GENERAL GOVERNMENT

Projects	Project ID	Prior Budget	Proposed FY13/14	Proposed FY14/15	Proposed FY15/16	Proposed FY16/17	Proposed FY17/18	Total
BUILDING MAINTENANCE								
Energy Conservation Projects	11053	33,000	0	0	0	0	0	33,000
Corporation Yard Consolidation	11077	14,633,655	0	0	0	0	0	14,633,655
BUILDING MAINTENANCE		14,666,655	0	0	0	0	0	14,666,655
FINANCE								
Interactive Voice Response System (IVR)	10010	117,865	0	0	0	0	0	117,865
FINANCE		117,865	0	0	0	0	0	117,865
INFORMATION TECHNOLOGY								
Web Platform Migration and Intranet	11066	147,500	0	0	0	0	0	147,500
Backup Network Links	11072	59,000	0	0	0	0	0	59,000
New World System	11105	1,305,090	0	0	0	0	0	1,305,090
Information Technology Master Plan	12015	0	0	100,000	0	0	0	100,000
City Fiber-Optic Data Links	13009	0	0	0	75,000	520,000	0	595,000
City-Wide Video Surveillance System	13019	0	0	0	0	750,000	0	750,000
Backup System Expansion	14033	0	150,000	0	0	0	0	150,000
Police Technology Upgrades	14034	0	142,700	0	0	0	0	142,700
Virtual Server and Storage Area Network Upgrades	15010	0	0	300,000	0	0	0	300,000
INFORMATION TECHNOLOGY		1,511,590	292,700	400,000	75,000	1,270,000	0	3,549,290
LEGISLATION								
City Council Chambers Tech Upgrades	11030	525,000	294,537	0	0	0	0	819,537
LEGISLATION		525,000	294,537	0	0	0	0	819,537
GENERAL GOVERNMENT TOTALS		16,821,110	587,237	400,000	75,000	1,270,000	0	19,153,347

GENERAL GOVERNMENT

Projects	Project ID	Prior Budget	Proposed FY13/14	Proposed FY14/15	Proposed FY15/16	Proposed FY16/17	Proposed FY17/18	Total
COMMUNITY SERVICES								
Senior Center Improvements	14027	0	59,260	0	0	0	0	59,260
COMMUNITY SERVICES		0	59,260	0	0	0	0	59,260
GOLF								
Golf Course Features	12009	0	0	25,000	25,000	0	0	50,000
Irrigation System Improvements	13003	0	0	25,000	0	0	0	25,000
Driving Range Netting	13020	37,000	0	0	0	0	0	37,000
Reconstruction of Restroom	14005	0	0	0	120,000	0	0	120,000
Golf Course Fencing	14006	0	0	30,000	0	0	0	30,000
Tee Mower	14032	0	33,500	0	0	0	0	33,500
GOLF		37,000	33,500	80,000	145,000	0	0	295,500
PARKS								
BMX Park Improvements	07100	766,000	0	0	0	0	0	766,000
Parks Master Plan	08101	475,000	0	0	0	0	0	475,000
Play Equipment	09102	470,000	100,000	0	0	0	0	570,000
Northgate Parking Lot Reconstruction	11001	150,000	150,000	0	0	0	0	300,000
Union Road Tennis Courts	11003	35,000	0	0	0	0	0	35,000
Parks Yard Improvements	11083	125,920	0	0	0	0	0	125,920
Woodward Park Bridewell Parking Lot	11087	664,195	0	0	0	0	0	664,195
Woodward Park Exercise Stations	12006	0	0	75,000	0	0	0	75,000
Civic Center Landscape Renovation	12033	50,000	0	0	0	0	0	50,000
Woodward Concession / Restrooms	14002	0	0	0	864,000	0	0	864,000
Large Area Turf Mower	14015	0	91,000	0	0	0	0	91,000
Parks Security Lighting	R24007	50,000	0	0	0	0	0	50,000
PARKS		2,786,115	341,000	75,000	864,000	0	0	4,066,115
PARKS, RECREATION AND COMMUNITY SERVICES TOTALS		2,823,115	433,760	155,000	1,009,000	0	0	4,420,875

GENERAL GOVERNMENT

Projects	Project ID	Prior Budget	Proposed FY13/14	Proposed FY14/15	Proposed FY15/16	Proposed FY16/17	Proposed FY17/18	Total
FIRE PROTECTION								
Fire Station #1 Repairs	11054	55,000	85,000	0	0	0	0	140,000
Lathrop Road Fire Station #4	11073	3,944,855	0	0	0	0	0	3,944,855
Convert Radio System to Narrowband	12045	41,000	0	0	0	0	0	41,000
SCBA Replacements	13016	228,490	0	0	0	0	0	228,490
Replacement Fire Engine	13017	0	0	0	390,000	0	0	390,000
FIRE PROTECTION		4,269,345	85,000	0	390,000	0	0	4,744,345
POLICE PROTECTION								
2014 Police Patrol Vehicles	14029	0	93,000	0	0	0	0	93,000
2014 Unmarked Police Vehicle	14030	0	32,500	0	0	0	0	32,500
Body Worn Camera Package	14031	0	33,750	33,750	0	0	0	67,500
POLICE PROTECTION		0	159,250	33,750	0	0	0	193,000
PUBLIC SAFETY TOTALS		4,269,345	244,250	33,750	390,000	0	0	4,937,345

GENERAL GOVERNMENT

Projects	Project ID	Prior Budget	Proposed FY13/14	Proposed FY14/15	Proposed FY15/16	Proposed FY16/17	Proposed FY17/18	Total
TRANSIT MANAGEMENT								
Multimodal Transit Station	10003	8,781,915	0	0	0	0	0	8,781,915
Bus Stop Improvements	10014	1,058,377	0	0	0	0	0	1,058,377
Bus Stop Security	11041	500,000	201,000	0	0	0	0	701,000
Multimodal Station Fiber Optics	11042	0	0	0	0	0	0	0
Transit Supervisor Vehicle	11051	55,000	0	0	0	0	0	55,000
Transit Vehicles	11052	823,042	0	0	0	0	0	823,042
2014 Transit Vehicles	14028	0	300,000	0	0	0	0	300,000
TRANSIT MANAGEMENT		11,218,334	501,000	0	0	0	0	11,719,334
PUBLIC TRANSIT TOTALS		11,218,334	501,000	0	0	0	0	11,719,334

GENERAL GOVERNMENT

Projects	Project ID	Prior Budget	Proposed FY13/14	Proposed FY14/15	Proposed FY15/16	Proposed FY16/17	Proposed FY17/18	Total
SOLID WASTE								
Solid Waste Collection Vehicles	11078	1,464,015	610,000	620,000	630,000	640,000	650,000	4,614,015
SOLID WASTE		1,464,015	610,000	620,000	630,000	640,000	650,000	4,614,015
STORM DRAIN								
FCOC Culvert Replacement - Roth Rd	11009	500,000	0	0	0	0	0	500,000
FCOC Culvert Crossing - Railroad	11010	375,000	0	0	0	0	0	375,000
Moffat Blvd Storm Drainage Surge Basin	11022	404,279	0	0	0	0	0	404,279
South Drain Pump Station & Force Main	12002	442,425	0	2,170,000	0	0	0	2,612,425
FCOC Culvert Rplcmnt - French Camp Rd	12003	0	0	0	545,000	0	0	545,000
CDBG Storm Drain Improvements	12025	68,000	0	0	0	0	0	68,000
FCOC Culvert Rplcmnt - Field 10 Farm Rd	13001	0	0	0	30,000	285,000	0	315,000
STORM DRAIN		1,789,704	0	2,170,000	575,000	285,000	0	4,819,704
TRANSPORTATION								
Public Facilities Implementation Plan (PFIP)	12041	295,000	83,000	0	0	0	0	378,000
TRANSPORTATION		295,000	83,000	0	0	0	0	378,000
WASTE WATER								
WQCF Security & Safety	08001	307,000	0	0	0	0	0	307,000
CMMS WW Coll & Treatment	10025	398,723	0	0	0	0	0	398,723
Collection System Repair	11005	510,000	0	195,000	202,000	211,000	220,000	1,338,000
North Sewer Trunk - Links 51/52/53/90/91	11007	504,000	0	1,210,000	4,775,000	0	0	6,489,000
Aeration Basin Improvements	11018	598,000	-598,000	0	0	0	0	0
Aeration Basin Air Diffuser Panel Upgrade	11021	372,500	-372,500	0	0	0	0	0
Digester Improvements	11028	460,000	0	130,000	105,000	0	0	695,000
Solids Dewatering & Stabilization	11038	30,000	0	460,000	0	0	0	490,000
Inspect and Clean Sewer Pipelines	11045	273,000	123,000	128,000	133,000	0	0	657,000
Digester Hot Water Boilers	11048	653,300	0	0	0	0	0	653,300
Chemical Storage Tanks	11058	184,000	-184,000	0	0	0	0	0
Level Sensing Devices	11059	26,000	0	0	0	0	0	26,000
Primary Tank Scum Skimmers	11060	81,190	0	0	0	0	0	81,190
Central Sewer Trunk	12001	85,000	0	535,000	3,930,000	0	0	4,550,000
WQCF Alternative Energy Development	12013	135,000	0	1,650,000	160,000	1,980,000	0	3,925,000
Tertiary Inlet Filter Valve Automation	12018	63,000	-63,000	0	0	0	0	0
NS Aeration Basin Blower Switchgear Replc.	12019	135,000	-135,000	0	0	0	0	0
WQCF Shop/Generator Room Conversion	12022	125,000	0	170,000	0	0	0	295,000
Woodward Ave Utility & Street Imprmts.	12026	11,215,000	0	0	0	0	0	11,215,000
Aeration Basin Blower Replacement	12027	895,000	-895,000	0	0	0	0	0
IPS Inlet Junction Structure Rehabilitation	12028	798,000	355,000	0	0	0	0	1,153,000

GENERAL GOVERNMENT

Projects	Project ID	Prior Budget	Proposed FY13/14	Proposed FY14/15	Proposed FY15/16	Proposed FY16/17	Proposed FY17/18	Total
Primary Sludge Concentration Meters	12032	84,300	0	0	0	0	0	84,300
North Sewer Trunk - Links 72/73	13008	0	0	0	100,000	150,000	0	250,000
Emergency By-Pass Pumping Sys. Tractor	13021	65,500	0	0	0	0	0	65,500
Crane Truck	13022	97,000	30,000	0	0	0	0	127,000
Tertiary Filter pH Analyzer	13023	30,000	0	0	0	0	0	30,000
Tertiary Filter Filtration Cloth Replacement	13025	74,000	0	85,000	0	90,000	0	249,000
Grit Pump Replacement	13026	50,000	0	0	0	0	0	50,000
Process Water Source Improvement	13027	292,000	0	0	0	0	0	292,000
Hays Farmland Improvements	13030	310,000	0	219,000	2,815,000	0	0	3,344,000
UV Structure Enclosure	14010	0	0	75,000	467,000	0	0	542,000
Sewer NPDES Discharge Permit Renewal	14016	0	360,000	0	0	0	0	360,000
Digester Feed Line Grinder	14017	0	107,000	0	0	0	0	107,000
5,000 lb Propane Forklift	14018	0	30,000	0	0	0	0	30,000
Farmland Irrigation Pipeline Rehabilitation	14019	0	590,000	0	0	0	0	590,000
UV Air Conditioning System Upgrade	14020	0	313,000	0	0	0	0	313,000
North Plant Aeration Basin Optimization	14022	0	3,479,000	0	0	0	0	3,479,000
South Sewer Trunk Links 1/2/3/4/5	15006	0	0	670,000	3,392,000	3,392,000	0	7,454,000
South Plant Aeration Basin Optimization	16001	0	0	0	3,300,000	0	0	3,300,000
WASTE WATER		18,851,513	3,139,500	5,527,000	19,379,000	5,823,000	220,000	52,940,013

WATER								
Park Irrigation Conversion	11011	559,190	0	0	0	0	0	559,190
Water Line Replacement - Area 1	11012	299,110	0	0	0	0	0	299,110
Water Line Replacement - Area 2	11013	416,000	0	420,000	421,000	423,000	0	1,680,000
Surface Water Plant Membrane Rplcmnt	11016	1,095,100	375,000	380,000	0	0	0	1,850,100
Austin Rd Surface Water Pipeline - Ph 2	11017	2,538,955	0	0	0	0	0	2,538,955
Atherton Drive Water Storage Tank	11023	6,581,796	0	0	0	0	0	6,581,796
Well 24 pH Adjustment System	11032	95,000	0	0	0	0	0	95,000
CMMS Water Dist & Treatment	12008	0	0	175,000	0	0	0	175,000
Water Line Replacement - Area 3	12010	0	0	0	698,000	0	0	698,000
Manteca Ave / Center Street Pipeline Impr.	12011	521,000	0	0	0	0	0	521,000
Reclaimed Water Pipeline Network	12012	0	0	0	225,000	236,000	247,000	708,000
Well 24 Nitrate Reduction	12023	60,000	0	0	0	0	0	60,000
Arsenic Media Regeneration Service Trailer	12031	53,000	0	0	0	0	0	53,000
London Ave & Austin Rd Metering Facilities	12044	637,000	0	0	0	0	0	637,000
Water Line Replacement - Area 4	13004	0	0	0	1,097,000	0	0	1,097,000
Water Line Replacement - Area 5	13005	0	0	0	0	750,000	0	750,000
Yosemite Ave / RR-xing Pipeline Impr.	13006	0	0	258,000	0	0	0	258,000
Water Wells 28 & 29	13007	85,000	601,000	3,335,000	0	0	0	4,021,000
Well 25 Improvements	13029	73,000	0	0	0	0	0	73,000
2013 Park Irrigiation Wells	13035	292,000	0	0	0	0	0	292,000
Sensus Automated Meter Upgrades	13037	260,000	420,000	0	0	0	0	680,000
Water Line Replacement - Area 6	14007	0	0	0	110,000	0	0	110,000
Woodward Av Surface Water Pipeline-Ph 1	14008	0	0	0	0	735,000	0	735,000
Woodward Av Surface Water Pipeline-Ph 2	14009	0	0	0	0	580,000	0	580,000
Test Wells - New Development	14021	0	112,000	0	224,000	0	224,000	560,000

GENERAL GOVERNMENT

Projects	Project ID	Prior Budget	Proposed FY13/14	Proposed FY14/15	Proposed FY15/16	Proposed FY16/17	Proposed FY17/18	Total
Hydraulic Water Model Update	14023	0	175,000	0	0	0	0	175,000
Airport Way / SR120 Water Line	14024	0	60,000	305,000	0	0	0	365,000
M2/M3 Tank Site Improvements	14025	0	435,000	0	0	0	0	435,000
Water Line Replacement - Area 10	15002	0	0	0	0	211,000	0	211,000
M1 Surface Water Storage Tank & Pump Fclt.	15003	130,000	0	0	203,000	0	2,618,000	2,951,000
Woodward Av Surface Water Pipeline-Ph 3	15004	0	0	0	0	0	745,000	745,000
Van Ryn Surface Water Pipeline	15005	0	0	0	0	0	607,000	607,000
Water System Alternative Energy Development	15008	0	0	190,000	1,870,000	1,980,000	0	4,040,000
WATER		13,696,151	2,178,000	5,063,000	4,848,000	4,915,000	4,441,000	35,141,151
PUBLIC UTILITIES TOTALS		36,096,383	6,010,500	13,380,000	25,432,000	11,663,000	5,311,000	97,892,883

GENERAL GOVERNMENT

Projects	Project ID	Prior Budget	Proposed FY13/14	Proposed FY14/15	Proposed FY15/16	Proposed FY16/17	Proposed FY17/18	Total
STREETS								
Atherton Gap Closure - Main to Van Ryn	10007	3,561,880	0	0	0	0	0	3,561,880
W. Louise / UPRR Widening	10015	462,265	0	0	0	0	0	462,265
99/120 Interchange Landscape	10020	909,570	0	0	0	0	0	909,570
Airport - Yosemite to Daniels	11027	1,960,000	0	0	0	0	0	1,960,000
Street Light Retrofit Project	11029	1,423,705	0	0	0	0	0	1,423,705
120 / McKinley Interchange	11034	3,599,605	0	0	0	0	0	3,599,605
Existing Austin / SR99 Interch. Impr.	11035	264,000	2,000,000	0	0	0	0	2,264,000
Annual Curb, Gutter & Sidewalk	11037	259,925	-150,000	0	0	0	0	109,925
120 and 99 Corridor Landscape	11069	2,375,000	0	0	0	0	0	2,375,000
Atherton W. Gap Closure - Airport to Union	11080	2,665,000	0	0	0	0	0	2,665,000
Downtown ADA & Parking Lot Improvements	12034	110,980	0	0	0	0	0	110,980
Louise Avenue Prop 1B Rehab	12040	967,442	0	0	0	0	0	967,442
Commerce Court Sidewalk Project	12042	62,500	0	0	0	0	0	62,500
Louise / Northgate RSTP Pavement Rest.	13028	0	0	650,000	0	0	0	650,000
New Austin Road / SR99 Interchange	13032	210,000	150,000	0	0	0	0	360,000
2013 Annual Pavement Maintenance	13033	345,000	0	0	0	0	0	345,000
Downtown Curb, Gutter & Sidewalk Impr.	13034	26,980	0	0	0	0	0	26,980
Louise Ave Median Beautification & Bicycle Enhancements	13036	100,000	0	0	0	0	0	100,000
Yosemite Ave RSTP Pavement Restoration	14011	0	0	450,000	0	0	0	450,000
2014 Annual Pavement Maintenance	14014	0	500,000	0	0	0	0	500,000
Manteca Pedestrian Crossing Improvements	14026	0	150,000	0	0	0	0	150,000
2015 Annual Pavement Maintenance	15007	0	0	500,000	0	0	0	500,000
WANCO Message Boards	15009	0	0	38,185	0	0	0	38,185
SR 99/Yosemite Ave. Landscaping	595006	424,664	0	0	0	0	0	424,664
STREETS		19,728,516	2,650,000	1,638,185	0	0	0	24,016,701
TRANSPORTATION TOTALS		19,728,516	2,650,000	1,638,185	0	0	0	24,016,701

Project #: 11053

Project Name: **Energy Conservation Projects**

Program Area: GENERAL GOVERNMENT

Sub Program: BUILDING MAINTENANCE

Project Summary	
Prior Budget:	33,000
FYE 13/14 Request:	0
Future Request:	0
Total Project:	33,000

Department: PUBLIC WORKS

Contact: Phil Govea

Project Status: Existing

Description
Replace lighting, hot water heaters, and fixtures. Projects selected for implementation are based on those that can save the City money in the near future.

Justification
The City can realize savings of $33,000 per year on energy costs implementing portions of the energy efficiency measures identified in the report at a cost of $17,000 after rebates. The portions selected have a rebate potential of $26,000 creating a 6 month or less pay back after completion.

Maintenance
No M & O is expected for the next 5 year cycle.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Development Agreement Fees_PW	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 11077

Project Name: **Corporation Yard Consolidation**

Program Area: GENERAL GOVERNMENT

Sub Program: BUILDING MAINTENANCE

Project Summary	
Prior Budget:	14,633,655
FYE 13/14 Request:	0
Future Request:	0
Total Project:	14,633,655

Department: PUBLIC WORKS

Contact: Phil Govea

Project Status: Existing

Description
Purchase land and construct a building to accommodate staff, equipment, storage and work areas for Water Maintenance, Building Maintenance and Vehicle

Justification
Project provides for needed maintenance space and consolidation increases efficiency through shared resources, equipment and administrative functions.

Maintenance
Estimated M & O - $20,000 for FY13 and $50,000 per year thereafter.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Development Agreement Fees_PW	0	0	0	0	0	0
Government Building Facilities Fee_PW	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
D - Design	0	0	0	0	0	0
G - General	0	0	0	0	0	0
P - Planning	0	0	0	0	0	0
R - Right of Way	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 10010

Project Name: **Interactive Voice Response System (IVR)**

Program Area: GENERAL GOVERNMENT

Sub Program: FINANCE

Project Summary	
Prior Budget:	117,865
FYE 13/14 Request:	0
Future Request:	0
Total Project:	117,865

Department: FINANCE

Contact: Jeri Tejeda

Project Status: Existing

Description
Implementation of an Interactive Voice Response (IVR) System to allow utility customers to attain information regarding their accounts and to make payment on their account by phone.

Justification
The City currently has four customer service representatives to assist utility customers. During peak times, three additional staff members provide back-up assistance. Even with this level of employee service,during peak times more than 20 customers will be in the phone queue waiting for assistance. The implementation of the IVR system will allow these customers to access information or make payment on their account without needing to wait for employee assistance.

Maintenance
No M & O is expected for the next 5 year cycle.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Information Technology	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
A - Maintenance And Operations	0	0	0	0	0	0
S - Software	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 11066

Project Name: **Web Platform Migration and Intranet**

Program Area: GENERAL GOVERNMENT

Sub Program: INFORMATION TECHNOLOGY

Project Summary	
Prior Budget:	147,500
FYE 13/14 Request:	0
Future Request:	0
Total Project:	147,500

Department: ADMINISTRATION

Contact: Tim Dyke

Project Status: Existing

Description
Move Manteca's Internet presence from a static website to a content management solution for web and build a City Intranet for internal communication and collaboration. Costs will be split among hardware, software and professional services.

Justification
Increases efficiency by allowing each department to update their own websites within a templated quality controlled environment. Removes the step of having the IT Division have to post updates to department websites, thereby allowing them to focus on the more critical elements of their job. New City website and department sub-sites will be built within the Microsoft SharePoint platform, which is built for content management and collaboration. The SharePoint platform is tightly integrated with Microsoft Office, the City's chosen suite of of productivity software.

An Intranet will be established in the SharePoint platform which will allow employees to access information about their department and other City departments. Some features of a SharePoint Intranet are: simultaneous coauthoring of documents, employee directories, online procedure manuals, etc.

Maintenance
Estimated M & O - $10,000 per year for FY13 & FY14.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Information Technology	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
H - Hardware	0	0	0	0	0	0
S - Software	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 11072

Project Name: **Backup Network Links**

Program Area: GENERAL GOVERNMENT

Sub Program: INFORMATION TECHNOLOGY

Project Summary	
Prior Budget:	59,000
FYE 13/14 Request:	0
Future Request:	0
Total Project:	59,000

Department: ADMINISTRATION

Contact: Tim Dyke

Project Status: Existing

Description
Install additional wireless network equipment at City Hall and remote sites for redundancy and maintenance purposes.

Justification
Installing a secondary wireless network connection between City Hall and remote sites allows the secondary equipment to take over should there be a failure with the primary equipment. This is more critical than in the past, since the telephone system is running over the network. The secondary equipment also allows technicians to perform maintenance on the primary equipment from a centralized location.

Maintenance
No M & O is expected for the next 5 years.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Information Technology	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
H - Hardware	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 11105

Project Name: **New World System**

Program Area: GENERAL GOVERNMENT

Sub Program: INFORMATION TECHNOLOGY

Project Summary	
Prior Budget:	1,305,090
FYE 13/14 Request:	0
Future Request:	0
Total Project:	1,305,090

Department: ADMINISTRATION

Contact: Tim Dyke

Project Status: Existing

Description
Replacement of the City's current enterprise software which is being used for: General Financials, Payroll/Personnel, Purchasing, Utility Billing, Building Permits and Business Licenses. (PROJECT WAS 12016 - ERP SOFTWARE REPLACEMENT)

Justification
The current software is built on 1980's technology and is inefficient for day to day productivity and extremely difficult to pull data back out for analysis. Current software runs on proprietary hardware and software. Modern software would be on an open-platform, Microsoft SQL database with the ability to have workflow implemented into its functions. New software should be able to run in a web browser and be relatively easy to integrate with other SQL databases in use at the City. Software would integrate tightly with the City's Geographic Information System (GIS) and have the ability to display city assets, boundaries and data on an electronic map.

Maintenance
Estimated M & O - $80,000 per year for the next 5 year cycle.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Information Technology	0	0	0	0	0	0
Major Equipment Purchase Fee_AD	0	0	0	0	0	0
Sewer Maint & Oper	0	0	0	0	0	0
Solid Waste	0	0	0	0	0	0
Water Maint & Oper	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
	0	0	0	0	0	0
S - Software	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 12015

Project Name: **Information Technology Master Plan**

Program Area: GENERAL GOVERNMENT

Sub Program: INFORMATION TECHNOLOGY

Description
Develop an Information Technology Master Plan to evaluate current technologies and staffing and create a roadmap for future technology implementations.

Justification
An IT Master Plan would help the City to evaluate current technologies in use and determine if they are viable for continued use or if alternative solutions should be implemented. The plan would involve studying the use of technology in every department. An end result would be recommendations for future projects, prioritization, and resources needed for implementation. As a sub-report this master paln would include a GIS master plan.

Maintenance
Estimated M & O - None in next 5 year cycle.

Project Summary

Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	100,000
Total Project:	100,000

Department: ADMINISTRATION

Contact: Tim Dyke

Project Status: New

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Information Technology	0	100,000	0	0	0	100,000
Total	0	100,000	0	0	0	100,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
M - Management	0	100,000	0	0	0	100,000
Total	0	100,000	0	0	0	100,000

Project #: 13009

Project Name: **City Fiber-Optic Data Links**

Program Area: GENERAL GOVERNMENT

Sub Program: INFORMATION TECHNOLOGY

Description
Install high-speed fiber-optic links between City sites for data and telephony traffic.

Justification
Fiber-optic links would provide a hgh-speed backbone for data, telephone, and video conferencing between City facilities. Current wireless links are vulnerable to outages, or do not carry enough bandwidth to support future applications.

Maintenance
Estimated M & O - $15,000 per year.

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	595,000
Total Project:	595,000

Department: ADMINISTRATION

Contact: Tim Dyke

Project Status: New

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Information Technology	0	0	75,000	520,000	0	595,000
Total	0	0	75,000	520,000	0	595,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	500,000	0	500,000
D - Design	0	0	75,000	0	0	75,000
M - Management	0	0	0	20,000	0	20,000
Total	0	0	75,000	520,000	0	595,000

Project #: 13019

Project Name: **City-Wide Video Surveillance System**

Program Area: GENERAL GOVERNMENT

Sub Program: INFORMATION TECHNOLOGY

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	750,000
Total Project:	750,000

Department: ADMINISTRATION

Contact: Tim Dyke

Project Status: New

Description
Surveillance System to be installed at various locations throughout the City.

Justification
To curtail vandalism and protect City from liability, a video surveillance system is needed. Assets that could be protected include Parks, Water Wells, Sewer Pump Stations, Downtown public areas and City facility public Areas.

California Government code mandates that all video recorded by a public agency must be retained for a period of at least one year, therefore a large percentage of this project's cost would be allocated for electronic storage of digital video.

Maintenance
Estimated M & O - None in next 5 year cycle.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Unfunded_AD	0	0	0	750,000	0	750,000
Total	0	0	0	750,000	0	750,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	720,000	0	720,000
D - Design	0	0	0	30,000	0	30,000
Total	0	0	0	750,000	0	750,000

Project #: 14033

Project Name: **Backup System Expansion**

Program Area: GENERAL GOVERNMENT

Sub Program: INFORMATION TECHNOLOGY

Description
Expand Service

Justification
Current backup system can only store 14 days of server backups. Need to increase capacity due to increased utilization of server systems and planned expansion.

Maintenance
No M & O is expected for the next 5 year cycle.

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	150,000
Future Request:	0
Total Project:	150,000

Department: ADMINISTRATION

Contact: Tim Dyke

Project Status: New

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Information Technology	150,000	0	0	0	0	150,000
Total	150,000	0	0	0	0	150,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Q - Equipment	150,000	0	0	0	0	150,000
Total	150,000	0	0	0	0	150,000

Project #: 14034

Project Name: **Police Technology Upgrades**

Program Area: GENERAL GOVERNMENT

Sub Program: INFORMATION TECHNOLOGY

Description
Replacement for obsolete equipment and equipment and services necessary to comply with the Department of Justice Advanced Authentication mandate.

Justification
6-year old servers are having reliability problems. New COBAN equipment is HD, meaning larger files. Need to replace. Professional Services and Travel for New World upgrades. By September of 2013 all agencies that use mobile computers to access the CJIS network must implement advanced methods or network access will be terminated. This technology would use biometrics or other token-type devices to logon to the mobile PCs in addition to passwords.

Maintenance
No M & O is expected for the next 5 year cycle.

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	142,700
Future Request:	0
Total Project:	142,700

Department: ADMINISTRATION

Contact: Tim Dyke

Project Status: New

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Information Technology	142,700	0	0	0	0	142,700
Total	142,700	0	0	0	0	142,700

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Q - Equipment	142,700	0	0	0	0	142,700
Total	142,700	0	0	0	0	142,700

Project #: 15010

Project Name: **Virtual Server and Storage Area Network Upgrades**

Program Area: GENERAL GOVERNMENT

Sub Program: INFORMATION TECHNOLOGY

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	300,000
Total Project:	300,000

Department: ADMINISTRATION

Contact: Tim Dyke

Project Status: New

Description
Replacement of obsolete equipment.

Justification
Need to increase capacity of virtual server environment and storage. Applications driving this need are new finance system, GIS growth, Public Safety Technology improvements and document imaging.

Maintenance
No M & O is expected for the next 5 year cycle.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Information Technology	0	300,000	0	0	0	300,000
Total	0	300,000	0	0	0	300,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Q - Equipment	0	300,000	0	0	0	300,000
Total	0	300,000	0	0	0	300,000

Project #: 11030

Project Name: **City Council Chambers Tech Upgrades**

Program Area: GENERAL GOVERNMENT

Sub Program: LEGISLATION

Project Summary	
Prior Budget:	525,000
FYE 13/14 Request:	294,537
Future Request:	0
Total Project:	819,537

Department: LEGISLATIVE

Contact: Jose Jasso

Project Status: Existing

Description
Equipment in the Council Chambers is over 21 years old. The old technology does not allow for easy integration of new technology. In order to modernize the Council Chambers a complete upgrade to the PA system , audio/visual equipment, cameras, and pre/post production control room equipment, necessary computers to run the equipment and remodeling of staff and council seating areas are recommended. Included in the dollar funding requested is $5,000 for a consultant to design the bid specifications for the project. "This is a Council goal/priority 03-17-08"

Justification
The old technology does not allow for easy integration of new technology. We recently acquired a video streaming system (Granicus) in order to promote transparency in government by web streaming our City Council Meetings; and this upgrade to the Chambers will continue the goal of being more responsive, efficient, and bringing current technology to our citizens.

Maintenance
No M & O is expected for the next 5 year cycle.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
CDBG_PW	294,537	0	0	0	0	294,537
Development Agreement Fees_AD	0	0	0	0	0	0
Total	294,537	0	0	0	0	294,537

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	294,537	0	0	0	0	294,537
Total	294,537	0	0	0	0	294,537

Project #: 14027

Project Name: **Senior Center Improvements**

Program Area: PARKS, RECREATION AND COMMUNITY SERVICES

Sub Program: COMMUNITY SERVICES

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	59,260
Future Request:	0
Total Project:	59,260

Department: PARKS & RECREATION

Contact: Bruce Mulder

Project Status: New

Description

Project is comprised of three components: New Chairs, Carpeting & Fan Coil for Freezer. 1) Replacement of old, broken, stained and damaged chairs for the Senior Center. Request is for 400 chairs to replace the current ones. The items are used by general day-to-day senior programming, Senior Center events and activities, City of Manteca meetings, trainings, programs and special events. The chairs will also be utilized by private rentals, non-profit organizations, community events and City sponsored functions. 2) Replacement of old, worn and stained carpet at the Manteca Senior Center. Quote includes carpet, installation, removal, disposal, entry mat system, primar, seam weld, rubber transition and carpet base. 3) Replacement removal and disposal of existing fan coil, condensing unit and controls for the Senior Center's walk-in freezer.

Justification

1) The chairs are in need of replacment due to their age and use. The current chairs are old and have been known to break and creates a high risk for seniors getting hurt and a huge safety hazard. The chairs are also showing their age they are worn, dirty and torn which is in issue when the community rents the facility and expects items that are more presentable. 2) The carpet in the Senior Center is orginal to the building making it 25 years old, the carpet is being taped, repaired and glued on a weekly basis creating a huge safety hazzard for the seniors who attend the Center as well as the community in general. The Senior Center is filled weekly with senior activities and events as well as recreation programs, community rentals, provate rentals and City sponsored functions. 3) The existing fan coil, condensing unit and controls for the walk-in freezer in the Senior Center is orginal to the building making it 25 years old, and the freezer is constantly having issues. The freezer is an imperative item at the Center and is used and needed on a daily basis.

Maintenance

No M & O is expected for the next 5 year cycle.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Development Agreement Fees_PR	59,260	0	0	0	0	59,260
Total	59,260	0	0	0	0	59,260

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Q - Equipment	59,260	0	0	0	0	59,260
Total	59,260	0	0	0	0	59,260

Project #: 12009

Project Name: **Golf Course Features**

Program Area: PARKS, RECREATION AND COMMUNITY SERVICES

Sub Program: GOLF

Description
Improvements to bunkers, tees and greens

Justification
Over time, routine maintenance of the subject areas is not enough to maintain the course in a quality condition. Periodic renovations are necessary, i.e. Removal and replacement of the sand in the bunkers. The renovations will initially help reduce maintenance cost and improve the overall quality of play on the course.

Maintenance
Potential to reduce M&O costs.

Project Summary

Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	50,000
Total Project:	50,000

Department: PARKS & RECREATION

Contact: Mark Hall

Project Status: New

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Golf Course Maint & Oper	0	25,000	25,000	0	0	50,000
Total	0	25,000	25,000	0	0	50,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	25,000	25,000	0	0	50,000
Total	0	25,000	25,000	0	0	50,000

Project #: 13003

Project Name: **Irrigation System Improvements**

Program Area: PARKS, RECREATION AND COMMUNITY SERVICES

Sub Program: GOLF

Description
Improvements to pumps, motors, filters and control devices on the golf course.

Justification
Many areas and componenets of the golf course irrigation system are more than 25 years old. Periodic replacement of the irrigation system componenets will dramaticlly reduce the possibility of system failure. Replacing these componenets will also reduce energy costs by approximately 15+%, because they operate more efficiently.

Maintenance
Anticipate reduction in M & O costs

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	25,000
Total Project:	25,000

Department: PARKS & RECREATION

Contact: Mark Hall

Project Status: New

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Golf Course Maint & Oper	0	25,000	0	0	0	25,000
Total	0	25,000	0	0	0	25,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	25,000	0	0	0	25,000
Total	0	25,000	0	0	0	25,000

Project #: 13020

Project Name: **Driving Range Netting**

Program Area: PARKS, RECREATION AND COMMUNITY SERVICES

Sub Program: GOLF

Description
Installation of netting at the north end of the driving range

Justification
The installation of the netting will prevent driving range golf balls from leaving the driving range. The netting will dramatically reduce the City's exposure to liability. There have been several occurances where a golf ball from the driving range has hit or come close to hitting a golfer.

Maintenance
Estimated M & O - $200 per year beginning FY14.

Project Summary	
Prior Budget:	37,000
FYE 13/14 Request:	0
Future Request:	0
Total Project:	37,000

Department: PARKS & RECREATION

Contact: Mark Hall

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Development Agreement Fees_PR	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 14005

Project Name: **Reconstruction of Restroom**

Program Area: PARKS, RECREATION AND COMMUNITY SERVICES

Sub Program: GOLF

Description
Re-construction of restroom adjacent to hole no. 15 at golf course

Justification
The exisitng restroom is approximately 50 years old. Funding would allow us to replace this building with a more modern restroom that meets ADA accessibility standards.

Maintenance
Estimated M & O - No increase in maintenance costs

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	120,000
Total Project:	120,000

Department: PARKS & RECREATION

Contact: Mark Hall

Project Status: New

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Golf Course Maint & Oper	0	0	120,000	0	0	120,000
Total	0	0	120,000	0	0	120,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	120,000	0	0	120,000
Total	0	0	120,000	0	0	120,000

Project #: 14006

Project Name: **Golf Course Fencing**

Program Area: PARKS, RECREATION AND COMMUNITY SERVICES

Sub Program: GOLF

Description
Replace fence fabric and identified posts on golf course perimeter fencing

Justification
The exisitng fence is more than 20 years old and requires frequent repairs by maintenance staff. Many of the fence posts are still intact and can continue to remain in place. Replacing the fence fabric will reduce maintenance costs and will look more appealing.

Maintenance
Potential to reduce current maintenance costs

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	30,000
Total Project:	30,000

Department: PARKS & RECREATION

Contact: Mark Hall

Project Status: New

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Golf Course Maint & Oper	0	30,000	0	0	0	30,000
Total	0	30,000	0	0	0	30,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	30,000	0	0	0	30,000
Total	0	30,000	0	0	0	30,000

Project #: 14032

Project Name: **Tee Mower**

Program Area: PARKS, RECREATION AND COMMUNITY SERVICES

Sub Program: GOLF

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	33,500
Future Request:	0
Total Project:	33,500

Department: PARKS & RECREATION

Contact: Bruce Mulder

Project Status: New

Description
Tee Mower - Ride-on 3 wheel drive tee mower with a minimum 19 hp liquid cooled 3-cycle diesel engine and a variable speed hydrostatic traction system.

Justification
The new tee mower will replace an 18 year old unit that is unreliable and costly to repair ($2650 in parts last year). The current hour meter reading is 5987 hours; this is equivalent to 359,200 miles on an automobile. Besides saving money on parts, shop time would be saved, last year an average of 12 hours were spent on repairs of this unit per month. The tee mower is used 3 times each week to mow the 73 teeing areas on the course. When it is down for repairs, we are forced to reduce service or commit two times the manpower using a much slower greens mowing unit to accomplish this task.

Maintenance
Estimated M & O = $1400 (FY15), $1400 (FY16), $1400 (FY17), $1400 (FY18)

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Golf Course Maint & Oper	33,500	0	0	0	0	33,500
Total	33,500	0	0	0	0	33,500

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Q - Equipment	33,500	0	0	0	0	33,500
Total	33,500	0	0	0	0	33,500

Project #: 07100

Project Name: **BMX Park Improvements**

Program Area: PARKS, RECREATION AND COMMUNITY SERVICES

Sub Program: PARKS

Description
Installation of BMX track, fencing, electrical, security lighting and portable restrooms.

Justification
Will provide a unique recreational opportunity for the public and BMX style bicycle racing.

Maintenance
Estimated M & O - $38,000 per year beginning in FY12.

Project Summary	
Prior Budget:	766,000
FYE 13/14 Request:	0
Future Request:	0
Total Project:	766,000

Department: PARKS & RECREATION

Contact: Kevin Fant

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Development Agreement Fees_PW	0	0	0	0	0	0
Parks Fee Improvement	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
A - Maintenance And Operations	0	0	0	0	0	0
C - Construction	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 08101

Project Name: **Parks Master Plan**

Program Area: PARKS, RECREATION AND COMMUNITY SERVICES

Sub Program: PARKS

Description
PARKS MASTER PLAN: A comprehensive master plan that will implement the goals and objectives of parks and recreation facilities, programs and general departmental needs.

Justification
The current Park and Recreation Master Plan is outdated and no longer completely valid. The new master plan will include citizen involvement to help determine the needs and priorities of the community today.

Maintenance
No M & O is expected for the next 5 year cycle.

Project Summary	
Prior Budget:	475,000
FYE 13/14 Request:	0
Future Request:	0
Total Project:	475,000

Department: PARKS & RECREATION

Contact: Mark Hall

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Parks Fee Improvement	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
P - Planning	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 09102

Project Name: **Play Equipment**

Program Area: PARKS, RECREATION AND COMMUNITY SERVICES

Sub Program: PARKS

Description
Playground renovation of older play areas.

Justification
Play equipment that no longer meets current safety standards has been removed and is in need of replacement. Funding provides for the renovation of the playground, safety surfacing and the installation of ADA accessible walkways.

Maintenance
Approximate cost of maintenance per playground; $10,000 annually

Project Summary	
Prior Budget:	470,000
FYE 13/14 Request:	100,000
Future Request:	0
Total Project:	570,000

Department: PARKS & RECREATION

Contact: Kevin Fant

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Development Agreement Fees_PW	0	0	0	0	0	0
Parks Fee Improvement	100,000	0	0	0	0	100,000
Total	100,000	0	0	0	0	100,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
G - General	100,000	0	0	0	0	100,000
Total	100,000	0	0	0	0	100,000

Project #: 11001

Project Name: **Northgate Parking Lot Reconstruction**

Program Area: PARKS, RECREATION AND COMMUNITY SERVICES

Sub Program: PARKS

Description
Reconstruction of the parking lot at Northgate Park.

Justification
The existing parking lot is severely deteriorated and is in need of reconstruction. This project consists of removing the existing asphalt pavement, re-grading the parking lot to ensure proper storm drainage, ADA accessible compliancy and installing new asphalt pavement with parking stall striping.

Maintenance
No M & O is expected for the next 5 year cycle.

Project Summary	
Prior Budget:	150,000
FYE 13/14 Request:	150,000
Future Request:	0
Total Project:	300,000

Department: PARKS & RECREATION

Contact: Kevin Fant

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Parks Fee Improvement	150,000	0	0	0	0	150,000
Total	150,000	0	0	0	0	150,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	125,000	0	0	0	0	125,000
E - Contingency	25,000	0	0	0	0	25,000
G - General	0	0	0	0	0	0
Total	150,000	0	0	0	0	150,000

Project #: 11003

Project Name: **Union Road Tennis Courts**

Program Area: PARKS, RECREATION AND COMMUNITY SERVICES

Sub Program: PARKS

Description
Enhance the areas around the tennis courts to improve the overall appearance.

Justification
The area between the tennis courts is currently barren and creates maintenance issues. Improvements will make the area more attractive, be more ADA accessible compliant and help reduce maintenance by approximately 10%.

Maintenance
Estimated M & O - $1,750 per year beginning in FY14.

Project Summary	
Prior Budget:	35,000
FYE 13/14 Request:	0
Future Request:	0
Total Project:	35,000

Department: PARKS & RECREATION

Contact: Kevin Fant

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Parks Fee Improvement	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
A - Maintenance And Operations	0	0	0	0	0	0
C - Construction	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 11083

Project Name: **Parks Yard Improvements**

Program Area: PARKS, RECREATION AND COMMUNITY SERVICES

Sub Program: PARKS

Description
Provide a new building for field crews, including locker area, ADA compliant restrooms and meeting/training area. Project to also include, but not limited to security lighting, upgrades to fueling system, exisiting buildings and security monitoring system.

Justification
Currently the field staff are housed in a 40-year old waste water lift station, which is undersized at 400 sq. ft., used by 30 full-time employees and several part-time employees.

Maintenance
No M & O is expected for the next 5 year cycle.

Project Summary	
Prior Budget:	125,920
FYE 13/14 Request:	0
Future Request:	0
Total Project:	125,920

Department: PARKS & RECREATION

Contact: Kevin Fant

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Parks Fee Improvement	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 11087

Project Name: **Woodward Park Bridewell Parking Lot**

Program Area: PARKS, RECREATION AND COMMUNITY SERVICES

Sub Program: PARKS

Description
Construction of parking lot on east side of park along Bridewell Ave.

Justification
The construction of the parking lot will help relieve the impact on neighborhood streets when large events take place in the park. A secondary benefit is that it would also reduce the maintenance obligation on the parks division due to the reduced amount of turf.

Maintenance
No M & O is expected for the next 5 year cycle.

Project Summary	
Prior Budget:	664,195
FYE 13/14 Request:	0
Future Request:	0
Total Project:	664,195

Department: PARKS & RECREATION

Contact: Kevin Fant

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Parks Fee Improvement	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 12006

Project Name: **Woodward Park Exercise Stations**

Program Area: PARKS, RECREATION AND COMMUNITY SERVICES

Sub Program: PARKS

Description
Installation of exercise stations along the perimeter walkway.

Justification
Exercise stations could provide a more interactive and challenging experience for users.

Maintenance
Estimated M & O - $3,700 per year beginning in FY15.

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	75,000
Total Project:	75,000

Department: PARKS & RECREATION

Contact: Kevin Fant

Project Status: New

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Parks Fee Improvement	0	75,000	0	0	0	75,000
Total	0	75,000	0	0	0	75,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	75,000	0	0	0	75,000
Total	0	75,000	0	0	0	75,000

Project #: 12033

Project Name: **Civic Center Landscape Renovation**

Program Area: PARKS, RECREATION AND COMMUNITY SERVICES

Sub Program: PARKS

Description
Renovation of existing landscaping in the Civic Center Complex

Justification
The existing landscape is costly to maintain and is in need of improvements. The new landscaping would add more color and improve the appearance of the complex, to give visitors to City Hall a positive first impression.

Maintenance
No M & O is expected for the next 5 year cycle.

Project Summary

Prior Budget:	50,000
FYE 13/14 Request:	0
Future Request:	0
Total Project:	50,000

Department: PARKS & RECREATION

Contact: Kevin Fant

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Development Agreement Fees_PR	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
D - Design	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 14002

Project Name: **Woodward Concession / Restrooms**

Program Area: PARKS, RECREATION AND COMMUNITY SERVICES

Sub Program: PARKS

Description
Installation of concession and restroom building in upper area of park.

Justification
Woodward Park is host to a number of tournaments and league play throughout the year. A concession/restroom building would provide the public access to refreshments and additional restrooms. This project would also provide the department with an opportunity to generate revenue from tournaments and park visitors.

Maintenance
Estimated M & O - $18,700 per year beginning FY15.

Project Summary

Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	864,000
Total Project:	864,000

Department: PARKS & RECREATION

Contact: Kevin Fant

Project Status: New

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Parks Fee Improvement	0	0	864,000	0	0	864,000
Total	0	0	864,000	0	0	864,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	864,000	0	0	864,000
Total	0	0	864,000	0	0	864,000

Project #: 14015

Project Name: **Large Area Turf Mower**

Program Area: PARKS, RECREATION AND COMMUNITY SERVICES

Sub Program: PARKS

Description
Large area turf mower with sixteen foot cutting path, diesel engine and street legal kit for mowing of large areas within the City of Manteca Parks System.

Justification
This piece of equipment is needed to replace mower #9057. Mower 9057 has approximately 5900 hours of use and these mowers are typically replaced at 3000 hours. 9057 is also in need of approximately $21,000 worth of repairs to bring it into proper operating compliance. This new mower would increase mowing efficiency and potentially reduce annual equipment maintenance costs by $2000.

Maintenance
This new mower has the potential to reduce annual maintenance costs by approximately $2000 by replacing the older mower #9057.

Project Summary

Prior Budget:	0
FYE 13/14 Request:	91,000
Future Request:	0
Total Project:	91,000

Department: PARKS & RECREATION

Contact: Kevin Fant

Project Status: New

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Equipment_PR	91,000	0	0	0	0	91,000
Total	91,000	0	0	0	0	91,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Q - Equipment	91,000	0	0	0	0	91,000
Total	91,000	0	0	0	0	91,000

Project #: R24007

Project Name: **Parks Security Lighting**

Program Area: PARKS, RECREATION AND COMMUNITY SERVICES

Sub Program: PARKS

Description
Installation of park security lighting (Solar and 120V) at various locations

Justification
Some parks do not have existing security lighting which creates a safety concern.

Maintenance
No M & O is expected for the next 5 year cycle.

Project Summary	
Prior Budget:	50,000
FYE 13/14 Request:	0
Future Request:	0
Total Project:	50,000

Department: PARKS & RECREATION

Contact: Kevin Fant

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Parks Fee Improvement	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 11054

Project Name: **Fire Station #1 Repairs**

Program Area: PUBLIC SAFETY

Sub Program: FIRE PROTECTION

Description
New roof, stucco and windows for Fire Station No. 1 due to dry rot.

Justification
Existing roof needs replacement as does siding around windows due to dry rot.

Maintenance
No M & O is expected for the next 5 year cycle.

Project Summary

Prior Budget:	55,000
FYE 13/14 Request:	85,000
Future Request:	0
Total Project:	140,000

Department: FIRE

Contact: Phil Govea

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Development Agreement Fees_FD	85,000	0	0	0	0	85,000
Total	85,000	0	0	0	0	85,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	85,000	0	0	0	0	85,000
Total	85,000	0	0	0	0	85,000

Project #: 11073

Project Name: **Lathrop Road Fire Station #4**

Program Area: PUBLIC SAFETY

Sub Program: FIRE PROTECTION

Project Summary	
Prior Budget:	3,944,855
FYE 13/14 Request:	0
Future Request:	0
Total Project:	3,944,855

Department: FIRE

Contact: Lantz Rey

Project Status: Existing

Description
Construction of a New Fire Station in NW Manteca. Located at 1465 W. Lathrop Road, in the Del Webb Community.

Justification
The Station will provide Emergency Response to 2,700+ homes in NW Manteca that are currently outside the 5 minute response area. Also, the station location will allow coverage of new development in the north; including Del Webb and Centerpoint projects.

Maintenance
Estimated M & O - $165,000. This includes $125,000 for staffing and $40,000 for operation

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Government Building Facilities Fee_FD	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 12045

Project Name: **Convert Radio System to Narrowband**

Program Area: PUBLIC SAFETY

Sub Program: FIRE PROTECTION

Project Summary	
Prior Budget:	41,000
FYE 13/14 Request:	0
Future Request:	0
Total Project:	41,000

Department: FIRE

Contact: Kyle Shipherd

Project Status: Existing

Description

Convert existing 25 kHz radio systems to minimum narrowband 12.5 kHz efficiency technology by January 1, 2013.
In the last several years we have looked forward, when purchasing radio components.
We were cautious to make sure that the new components would convert to narrow band. There are a few components that are old and will not convert to narrow band and consequently must be replaced. Converting the Radio System to Narrowband is a FCC Mandate.

Justification

The Federal Communications Commission (FCC) is mandating all public safety and industrial/business licensees convert existing 25 kHz radio systems to minimum narrowband 12.5 kHz efficiency technology by January 1, 2013. The purpose of the narrowband mandate is to promote more efficient use of the VHF and UHF land mobile frequency bands.
All licensees must convert to and operate in at least 12.5 kHz efficiency. Existing dual mode (25/12.5 kHz) equipment must have the 25 kHz efficiency mode disabled via software. Equipment capable of operating only at 25 kHz efficiency must be replaced.
San Joaquin County and all County Fire Departments have replaced there equipment and are converting to narrow band on March 22, 2011. To meet this FCC mandate we will need to replace and upgrade some of our Radio Dispatching system.

Maintenance

No M & O is expected for the next 5 year cycle.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Equipment_FD	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Q - Equipment	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 13016

Project Name: **SCBA Replacements**

Program Area: PUBLIC SAFETY

Sub Program: FIRE PROTECTION

Project Summary

Prior Budget:	228,490
FYE 13/14 Request:	0
Future Request:	0
Total Project:	228,490

Department: FIRE

Contact: Bob Davis

Project Status: Existing

Description
Replacement of department Self Contained Breathing Apparatus (SCBA). $70,000.00 was funded by the City for this project in the 2012/2013 budget. A grant was applied for and granted under FEMA. The Federal share of the grant is $158,467.00 for a total of $228,467.00. RE: Grant No. EMW-2012-FO-05661.

Justification
Fire Department personnel have been in contact with four separate vendors of SCBAs. Each vendor gave a brief description of their product and left demo units for fire personnel to evaluate. This process will conclude by April 1, 2013 and a specific unit will be selected. We will look to (Piggyback) onto a current order with other departments, seek CA State bids or go through the bidding process in order to meet our budget.

Maintenance
No M & O is expected for the next 5 year cycle.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Equipment_FD	0	0	0	0	0	0
Unfunded_FD	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
	0	0	0	0	0	0
Q - Equipment	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 13017

Project Name: **Replacement Fire Engine**

Program Area: PUBLIC SAFETY

Sub Program: FIRE PROTECTION

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	390,000
Total Project:	390,000

Department: FIRE

Contact: Bob Davis

Project Status: Existing

Description
Replacement Fire Engine

Justification
Two of our Fire Engines have far exceeded their service life. They were manufactured in 1989 and have been in service for 24 plus years. This makes them unreliable for emergency use and not cost effective to maintain. Parts can be extremely difficult to purchase with extensive delays and prolonged out of service time. This request is for the replacement of one of those Engines. An estimated dollar value of $390,000.00 was proposed in FYE 12/13. This cost is projected to increase by approximately 5 percent a year due to inflation and the economy. The replacement process can take approximately a year and a half to two years until delivery.

Maintenance
No M & O is expected for the next 5 year cycle.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Major Equipment Purchase Fee_FD	0	0	390,000	0	0	390,000
Total	0	0	390,000	0	0	390,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Q - Equipment	0	0	390,000	0	0	390,000
Total	0	0	390,000	0	0	390,000

Project #: 14029

Project Name: **2014 Police Patrol Vehicles**

Program Area: PUBLIC SAFETY

Sub Program: POLICE PROTECTION

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	93,000
Future Request:	0
Total Project:	93,000

Department: POLICE

Contact: Nick Obligacion

Project Status: New

Description
2 Standard marked fully equipped vehicles for patrol.

Justification
The current make up of the patrol fleet consists of 17 regular patrol cars, 3 canine vehicles and 1 Watch Commander vehicle. One of the vehicles is nearing 100,000 miles and the second is just above 80,000 miles. Both vehicles are Dodge Chargers and have had significant overheating problems. These vehicles are unreliable to operate as emergency vehicles. Replacement includes new in-car video system.

Maintenance

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Police SLEF	93,000	0	0	0	0	93,000
Total	93,000	0	0	0	0	93,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Q - Equipment	93,000	0	0	0	0	93,000
Total	93,000	0	0	0	0	93,000

Project #: 14030

Project Name: **2014 Unmarked Police Vehicle**

Program Area: PUBLIC SAFETY

Sub Program: POLICE PROTECTION

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	32,500
Future Request:	0
Total Project:	32,500

Department: POLICE

Contact: Nick Obligacion

Project Status: New

Description
Standard unmarked fully equipped vehicle for Detective/Undercover use.

Justification
The current make up of the Special Services (Detectives, Gangs and Street Crimes Unit) fleet consists of 14 fully equipped unmarked cars. With the implementation of the Gang Suppression Unit and the participation in the AB109 task force all available unmarked vehicles are assigned. The oldest vehicle in the fleet is over 13 years old and the mileage exceeds 103,000. The vehicle is becoming unreliable to operate.

Maintenance

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Police SLEF	32,500	0	0	0	0	32,500
Total	32,500	0	0	0	0	32,500

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Q - Equipment	32,500	0	0	0	0	32,500
Total	32,500	0	0	0	0	32,500

Project #: 14031

Project Name: **Body Worn Camera Package**

Program Area: PUBLIC SAFETY

Sub Program: POLICE PROTECTION

Description
Body Worn Camerca Package

Justification
Todays technology has allowed the use of body-worn cameras. The judicial process, officer safety and officer professionalism are all effected by the use of the body-worn cameras. Body-worn cameras would enhance the effectiveness of our current in-car video system.

Maintenance

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	33,750
Future Request:	33,750
Total Project:	67,500

Department: POLICE

Contact: Nick Obligacion

Project Status: New

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Equipment PD	33,750	33,750	0	0	0	67,500
Total	33,750	33,750	0	0	0	67,500

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Q - Equipment	33,750	33,750	0	0	0	67,500
Total	33,750	33,750	0	0	0	67,500

Project #: 10003

Project Name: **Multimodal Transit Station**

Program Area: PUBLIC TRANSIT

Sub Program: TRANSIT MANAGEMENT

Project Summary	
Prior Budget:	8,781,915
FYE 13/14 Request:	0
Future Request:	0
Total Project:	8,781,915

Department: FINANCE

Contact: Johanna Ferriera

Project Status: Existing

Description
Multimodal Transit Station Construction

Justification
The City currently lacks an adequate bus station for transfers between intra-city and inter-city bus routes. The Multimodal Transit Station will provide a centralized station for the City's transit activities.

Maintenance
Estimated M & O = $31,000 (FY13), $61,300 (FY14), $61,400 (FY15), $61,600 (FY16)

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
FTA Grant	0	0	0	0	0	0
LTF_FN	0	0	0	0	0	0
RDA_RD	0	0	0	0	0	0
State/County Grant_FN	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
D - Design	0	0	0	0	0	0
M - Management	0	0	0	0	0	0
P - Planning	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 10014

Project Name: **Bus Stop Improvements**

Program Area: PUBLIC TRANSIT

Sub Program: TRANSIT MANAGEMENT

Project Summary	
Prior Budget:	1,058,377
FYE 13/14 Request:	0
Future Request:	0
Total Project:	1,058,377

Department: FINANCE

Contact: Johanna Ferriera

Project Status: Existing

Description
Bus stop improvements to include approximately 10-15 shelters, benches, trash receptacles and improved signage at most Manteca Transit bus stop locations. Shelters will be located at key locations which experience the highest amount of boarding and alighting activity.

Stops that do not receive a shelter will be evaluated for the installation of a bench and trash receptacle.

Justification
The planned improvements have been requested by the public to allow for a more comfortable and convenient experience while waiting for a Manteca Transit bus. Additionally, all improved bus stops will be designed and constructed for ADA accessibility.

Maintenance

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
FTA Grant	0	0	0	0	0	0
LTF_FN	0	0	0	0	0	0
State/County Grant_FN	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
D - Design	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 11041

Project Name: **Bus Stop Security**

Program Area: PUBLIC TRANSIT

Sub Program: TRANSIT MANAGEMENT

Description
Purchase/installation of safety/security surveillance equipment to be installed at various bus stops along the City's fixed route transit system for crime prevention and passenger security. Each camera will have the capability to be monitored by Manteca Police staff.

Justification
To allow for the safety of passengers while they wait for the Manteca Transit fixed route bus.

Maintenance
Estimated M & O = $5,000/fiscal year

Project Summary	
Prior Budget:	200,000
FYE 13/14 Request:	201,000
Future Request:	0
Total Project:	401,000

Department: FINANCE

Contact: Johanna Ferriera

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Federal Grant_FN	160,800	0	0	0	0	160,800
LTF_FN	0	0	0	0	0	0
State/County Grant_FN	0	0	0	0	0	0
Transit TDA	40,200	0	0	0	0	40,200
Total	201,000	0	0	0	0	201,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
	0	0	0	0	0	0
Q - Equipment	201,000	0	0	0	0	201,000
Total	201,000	0	0	0	0	201,000

Project #: 11042

Project Name: **Multimodal Station Fiber Optics**

Program Area: PUBLIC TRANSIT

Sub Program: TRANSIT MANAGEMENT

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	0
Total Project:	0

Department: FINANCE

Contact: Johanna Ferriera

Project Status: Existing

Description
This project has been incorporated into the Multimodal Station project (CIP #10003).

Installation of a fiber optic cable to run from City Hall to the planned Multimodal Station at the corner of Main St. and Moffat Blvd.

Justification
This project will allow for the Multimodal Station to be on the City's existing VOIP and computer network. It will also allow for the planned security system at the Multimodal Station to be linked to the City's Police Station for 24-hour monitoring capability.

Maintenance

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Federal Grant_FN	0	0	0	0	0	0
State/County Grant_FN	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 11051

Project Name: **Transit Supervisor Vehicle**

Program Area: PUBLIC TRANSIT

Sub Program: TRANSIT MANAGEMENT

Description
Purchase of a transit supervisor's vehicle.

Justification
Provide a vehicle for transit staff to perform daily duties and attending transit meetings and trainings.

Maintenance
Estimated M & O = $1,000/fiscal year

Project Summary	
Prior Budget:	55,000
FYE 13/14 Request:	0
Future Request:	0
Total Project:	55,000

Department: FINANCE

Contact: Johanna Ferriera

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
FTA Grant	0	0	0	0	0	0
LTF_FN	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 11052

Project Name: **Transit Vehicles**

Program Area: PUBLIC TRANSIT

Sub Program: TRANSIT MANAGEMENT

Description
Purchase of three Dial-a-Ride vehicles and four Fixed Route vehicles for the Manteca Transit system.

Justification
All Manteca Transit vehicles are currently owned by the City's transit contractor, MV Transportation. The purchase of seven new vehicles will replace the current vehicles with City owned vehicles.

Maintenance
Estimated M & O = $25,000/fiscal year

Project Summary	
Prior Budget:	823,042
FYE 13/14 Request:	0
Future Request:	0
Total Project:	823,042

Department: FINANCE

Contact: Johanna Ferriera

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Federal Grant_FN	0	0	0	0	0	0
FTA Grant	0	0	0	0	0	0
LTF_FN	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
D - Design	0	0	0	0	0	0
Q - Equipment	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 14028

Project Name: **2014 Transit Vehicles**

Program Area: PUBLIC TRANSIT

Sub Program: TRANSIT MANAGEMENT

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	300,000
Future Request:	0
Total Project:	300,000

Department: FINANCE

Contact: Johanna Ferriera

Project Status: New

Description
Purchase transit vehicles that will be utilized on the City's Dial-a-Route system.

Justification
The Federal Transit Administration uses a useful life calculation to determine the appropropriate disposition date of all transit revenue vehicles. The City's oldest vehicles in the transit fleet were put into service in June 2010, the current useful life for these vehicles is set at 5-years. The City will be replacing the vehicles that have reached their useful life and possible expansion of fleet.

Maintenance
$5,000 Annually - M & O

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Federal Grant_FN	240,000	0	0	0	0	240,000
Transit TDA	60,000	0	0	0	0	60,000
Total	300,000	0	0	0	0	300,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Q - Equipment	300,000	0	0	0	0	300,000
Total	300,000	0	0	0	0	300,000

Project #: 11078

Project Name: **Solid Waste Collection Vehicles**

Program Area: PUBLIC UTILITIES

Sub Program: SOLID WASTE

Description
Ongoing project to purchase solid waste collection vehicles.

Justification
The Solid Waste Master Plan calls for the replacement of two collection vehicles every year.

Maintenance
Estimated M & O - $30,000 per year beginning in FY13.

Project Summary	
Prior Budget:	1,464,015
FYE 13/14 Request:	610,000
Future Request:	2,540,000
Total Project:	4,614,015

Department: PUBLIC WORKS

Contact: Phil Govea

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Solid Waste	610,000	620,000	630,000	640,000	650,000	3,150,000
Total	610,000	620,000	630,000	640,000	650,000	3,150,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Q - Equipment	610,000	620,000	630,000	640,000	650,000	3,150,000
Total	610,000	620,000	630,000	640,000	650,000	3,150,000

Project #: 11009

Project Name: **FCOC Culvert Replacement - Roth Rd**

Program Area: PUBLIC UTILITIES

Sub Program: STORM DRAIN

Project Summary	
Prior Budget:	500,000
FYE 13/14 Request:	0
Future Request:	0
Total Project:	500,000

Department: PUBLIC WORKS

Contact: Koosun Kim

Project Status: Existing

Description
Replace the existing 42-inch and 48-inch culverts at the junction of the French Camp Outlet Canal (FCOC) and Roth Road with two (2) 12-foot x 12-foot box culverts.

Justification
Remove existing flow constrictions to increase the FCOC's capacity to accommodate future growth. SSJID is the lead on constructing this project, and when SSJID is ready to proceed, the City will contribute its share of costs based upon the SSJID/City Master Drainage Agreement.

Maintenance
No M & O costs associated with this improvement as SSJID is responsible for the maintenance of this facility.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
PFIP - Storm Drain	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
D - Design	0	0	0	0	0	0
E - Contingency	0	0	0	0	0	0
G - General	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 11010

Project Name: **FCOC Culvert Crossing - Railroad**

Program Area: PUBLIC UTILITIES

Sub Program: STORM DRAIN

Project Summary	
Prior Budget:	375,000
FYE 13/14 Request:	0
Future Request:	0
Total Project:	375,000

Department: PUBLIC WORKS

Contact: Koosun Kim

Project Status: Existing

Description
Replace the existing 36-inch and 42-inch culverts at the junction of the French Camp Outlet Canal (FCOC) and the Union Pacific Railroad with two (2) 12-foot x 12-foot box culverts.

Justification
Remove existing flow constrictions to increase the FCOC's capacity to accommodate future growth. SSJID is the lead on constructing this project, and when SSJID is ready to proceed, the City will contribute its share of costs based upon the SSJID/City Master Drainage Agreement.

Maintenance
No M & O costs associated with this improvement as SSJID is responsible for the maintenance of this facility.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
PFIP - Storm Drain	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 11022

Project Name: **Moffat Blvd Storm Drainage Surge Basin**

Program Area: PUBLIC UTILITIES

Sub Program: STORM DRAIN

Description

Justification

Maintenance
Estimated M & O = $250 (FY14), $250 (FY15), $250 (FY16), $250 (FY17), $250 (FY18)

Project Summary	
Prior Budget:	404,279
FYE 13/14 Request:	0
Future Request:	0
Total Project:	404,279

Department: PUBLIC WORKS

Contact: Koosun Kim

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
CDBG_PW	0	0	0	0	0	0
General Fund_PW	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
	0	0	0	0	0	0
C - Construction	0	0	0	0	0	0
R - Right of Way	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 12002

Project Name: **South Drain Pump Station & Force Main**

Program Area: PUBLIC UTILITIES

Sub Program: STORM DRAIN

Description

Justification

Maintenance
Estimated M & O = $2,500 (FY15), $2,600 (FY16), $2,700 (FY17), $2,800 (FY18)

Project Summary

Prior Budget:	442,425
FYE 13/14 Request:	0
Future Request:	2,170,000
Total Project:	2,612,425

Department: PUBLIC WORKS

Contact: Koosun Kim

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
PFIP - Storm Drain	0	2,170,000	0	0	0	2,170,000
Total	0	2,170,000	0	0	0	2,170,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	1,800,000	0	0	0	1,800,000
D - Design	0	0	0	0	0	0
E - Contingency	0	180,000	0	0	0	180,000
G - General	0	10,000	0	0	0	10,000
M - Management	0	180,000	0	0	0	180,000
R - Right of Way	0	0	0	0	0	0
Total	0	2,170,000	0	0	0	2,170,000

Project #: 12003

Project Name: **FCOC Culvert Rplcmnt - French Camp Rd**

Program Area: PUBLIC UTILITIES

Sub Program: STORM DRAIN

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	545,000
Total Project:	545,000

Department: PUBLIC WORKS

Contact: Koosun Kim

Project Status: New

Description
Replace the existing 66-inch culvert at the junction of the French Camp Outlet Canal (FCOC) and French Camp Road with two 12' x 12' box culverts.

Justification
Remove existing flow constrictions to increase the FCOC's capacity to accommodate future growth. SSJID is the lead on constructing this project, and when SSJID is ready to proceed, the City will contribute its share of costs based upon the SSJID/City Master Drainage Agreement.

Maintenance
No M & O costs associated with this improvement as SSJID is responsible for the maintenance of this facility.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
PFIP - Storm Drain	0	0	545,000	0	0	545,000
Total	0	0	545,000	0	0	545,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	450,000	0	0	450,000
D - Design	0	0	45,000	0	0	45,000
E - Contingency	0	0	45,000	0	0	45,000
G - General	0	0	5,000	0	0	5,000
Total	0	0	545,000	0	0	545,000

Project #: 12025

Project Name: **CDBG Storm Drain Improvements**

Program Area: PUBLIC UTILITIES

Sub Program: STORM DRAIN

Project Summary	
Prior Budget:	68,000
FYE 13/14 Request:	0
Future Request:	0
Total Project:	68,000

Department: PUBLIC WORKS

Contact: Koosun Kim

Project Status: Existing

Description
On-going project to replace and upgrade existing storm drain inlets in various City streets within the CDBG zone. Projects include installing high-capacity drainage inlets, replacing concrete curb, gutter and sidewalk, pavement and storm pipe. Specific boundaries of projects are still under review, but could include one or more of the following census tracts: CT 51.08, Block Group 3 (51.08/3), 51.09/2. 51.09/3, 51.09/4, 51.14/2 and 51.15/4.

Justification
Existing drainage facilities are undersized or do not exist, which leads to street flooding during a storm event.

Maintenance
No additional M & O costs associated with these improvements.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
CDBG_PW	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
D - Design	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 13001

Project Name: **FCOC Culvert Rplcmnt - Field 10 Farm Rd**

Program Area: PUBLIC UTILITIES

Sub Program: STORM DRAIN

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	315,000
Total Project:	315,000

Department: PUBLIC WORKS

Contact: Koosun Kim

Project Status: New

Description
Replace the 72-inch culvert at the junction of the French Camp Outlet Canal (FCOC) and the WQCF Field 10 farm road with a 10' x 8' box culvert.

Justification
Remove existing flow constrictions to increase the FCOC's capacity to accommodate future growth. SSJID is the lead on constructing this project, and when SSJID is ready to proceed, the City will contribute its share of costs based upon the SSJID/City Master Drainage Agreement.

Maintenance
No M & O costs associated with this improvement as SSJID is responsible for the maintenance of this facility.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
PFIP - Storm Drain	0	0	30,000	285,000	0	315,000
Total	0	0	30,000	285,000	0	315,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	250,000	0	250,000
D - Design	0	0	20,000	0	0	20,000
E - Contingency	0	0	0	25,000	0	25,000
G - General	0	0	0	10,000	0	10,000
P - Planning	0	0	10,000	0	0	10,000
Total	0	0	30,000	285,000	0	315,000

Project #: 12041

Project Name: **Public Facilities Implementation Plan (PFIP)**

Program Area: PUBLIC UTILITIES

Sub Program: TRANSPORTATION

Project Summary	
Prior Budget:	295,000
FYE 13/14 Request:	83,000
Future Request:	0
Total Project:	378,000

Department: PUBLIC WORKS

Contact: Mark Houghton

Project Status: Existing

Description
Update the existing PFIP (Public Facilities Implementation Plan). Phase 1 involves developing new fee structures for future water, sewer and storm facilities; and Phase 2 involves developing new fee structures for future transportation facilities.

Justification
Develop fee structures to recover the cost of providing infrastructure that serves future growth while keeping the fees cost-competitive with other cities in the region.

Maintenance
No M & O costs associated with this project.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
PFIP - Sewer	0	0	0	0	0	0
PFIP - Storm Drain	0	0	0	0	0	0
PFIP - Transportation	83,000	0	0	0	0	83,000
PFIP - Water	0	0	0	0	0	0
Total	83,000	0	0	0	0	83,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
P - Planning	83,000	0	0	0	0	83,000
Total	83,000	0	0	0	0	83,000

Project #: 08001

Project Name: **WQCF Security & Safety**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Description
Install additional perimeter fencing, a keyless entry system and video surveillance.

Justification
Comply with the City's wastewater NPDES permit and deter vandalism.

Maintenance
Estimated M & O = $3,480 (FY13), $3,500 (FY14), $3,520 (FY15), $3,540 (FY16), $3,560 (FY17), $3,580 (FY18)

Project Summary	
Prior Budget:	307,000
FYE 13/14 Request:	0
Future Request:	0
Total Project:	307,000

Department: PUBLIC WORKS

Contact: Phil Govea

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 10025

Project Name: **CMMS WW Coll & Treatment**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Project Summary	
Prior Budget:	398,723
FYE 13/14 Request:	0
Future Request:	0
Total Project:	398,723

Department: PUBLIC WORKS

Contact: Phil Govea

Project Status: Existing

Description
Purchase and install a computer hardware and software for a computer maintenance and management system (CMMS), and populate the CMMS with sewer collection and treatment plant asset data. Software has been purchased and installed. Approximately 90% of collection system assets have been entered into the system. Approximately 50% of the plant assets have been entered into the system. While remaining data is entered, system is currently being used to assign work orders and to track service calls.

Justification
Improve the operation, maintenance activities and capital replacement of the City's sewer collection system and treatment plant assets.

Maintenance
Estimated M & O = $4,500 (FY13), $4,700 (FY14), $4,900 (FY15), $5,100 (FY16), $5,300 (FY17)

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 11005

Project Name: **Collection System Repair**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Description
Annual project to repair and/or replace pipe segments in the collection system that are maintenance intensive. These locations are known as hot spots. (Includes CIP 10013).

Justification
Reduce maintenance costs by constructing capital improvements to rectify the hot spot area, which eliminates the need for maintenance at that location.

Maintenance
No M & O costs associated with these improvements.

Project Summary	
Prior Budget:	510,000
FYE 13/14 Request:	0
Future Request:	828,000
Total Project:	1,338,000

Department: PUBLIC WORKS

Contact: Koosun Kim

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	0	195,000	202,000	211,000	220,000	828,000
Total	0	195,000	202,000	211,000	220,000	828,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	163,000	170,000	179,000	188,000	700,000
D - Design	0	30,000	30,000	30,000	30,000	120,000
G - General	0	2,000	2,000	2,000	2,000	8,000
Total	0	195,000	202,000	211,000	220,000	828,000

Project #: 11007

Project Name: **North Sewer Trunk - Links 51/52/53/90/91**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Project Summary	
Prior Budget:	504,000
FYE 13/14 Request:	0
Future Request:	5,985,000
Total Project:	6,489,000

Department: PUBLIC WORKS

Contact: Koosun Kim

Project Status: Existing

Description
Construct large diameter sewer trunk mains from the WQCF to Airport Way (links 51, 52, 53, 90 and 91) in accordance with the wastewater collection system master plan.

Justification
Project is needed to accommodate future growth in north Manteca, and to support the replacement of the WQCF Influent Pipeline with the Central Sewer Trunk (CIP 12001).

Maintenance
No M & O costs expected in the 5 years after project installation.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
PFIP - Sewer	0	1,210,000	4,775,000	0	0	5,985,000
Total	0	1,210,000	4,775,000	0	0	5,985,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	1,040,000	4,160,000	0	0	5,200,000
D - Design	0	0	0	0	0	0
E - Contingency	0	104,000	391,000	0	0	495,000
G - General	0	14,000	16,000	0	0	30,000
M - Management	0	52,000	208,000	0	0	260,000
R - Right of Way	0	0	0	0	0	0
Total	0	1,210,000	4,775,000	0	0	5,985,000

Project #: 11018

Project Name: **Aeration Basin Improvements**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Description
Improvements to both northside and southside aeration basins: improve weir gates and provide motorized air flow valves.

Justification

Maintenance

Project Summary	
Prior Budget:	598,000
FYE 13/14 Request:	(598,000)
Future Request:	0
Total Project:	0

Department: PUBLIC WORKS

Contact: Phil Govea

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	(598,000)	0	0	0	0	(598,000)
Total	(598,000)	0	0	0	0	(598,000)

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	(398,000)	0	0	0	0	(398,000)
D - Design	(95,000)	0	0	0	0	(95,000)
E - Contingency	(35,000)	0	0	0	0	(35,000)
G - General	(10,000)	0	0	0	0	(10,000)
M - Management	(60,000)	0	0	0	0	(60,000)
Total	(598,000)	0	0	0	0	(598,000)

Project #: 11021

Project Name: **Aeration Basin Air Diffuser Panel Upgrade**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Project Summary	
Prior Budget:	372,500
FYE 13/14 Request:	(372,500)
Future Request:	0
Total Project:	0

Department: PUBLIC WORKS

Contact: Phil Govea

Project Status: Existing

Description
*** PROJECT DISCONTINUED *** Funding moved to North Plant Aeration Basin Optimization - CIP 103740

Annual program to replace the existing air diffuser panels in the aeration basins.

Justification
The existing air diffuser panels tear easily and are maintenance intensive. The new air diffuser panels are more durable and reliable and thus will reduce maintenance costs.

Maintenance

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	(372,500)	0	0	0	0	(372,500)
Total	(372,500)	0	0	0	0	(372,500)

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Q - Equipment	(372,500)	0	0	0	0	(372,500)
Total	(372,500)	0	0	0	0	(372,500)

Project #: 11028

Project Name: **Digester Improvements**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Project Summary	
Prior Budget:	460,000
FYE 13/14 Request:	0
Future Request:	235,000
Total Project:	695,000

Department: PUBLIC WORKS

Contact: Koosun Kim

Project Status: Existing

Description

Investigate and test digester dome cracking on both WQCF digesters (east and west digesters) to determine condition of concrete and steel reinforcing. Based on results, design and construct a repair project. To date, inspection and testing of the concrete and steel reinforcing on both digesters show no structural damage. However, cracks need to be sealed immediately to prevent structural damage.

The plan is to apply temporary crack sealant to the exterior of both digesters to provide time to design a long-term project to permanently seal both the interior and exterior of the digesters. Temporary crack sealant was applied to exterior of the east digester in 2011, and temporary external crack sealant will be applied to the west digester by June 2012. Design and construction of the long-term permanent solution for interior and exterior repairs will occur in the next two fiscal years.

Justification

Cracking of the digesters' concrete domes could expose the steel reinforcing to sewer gases that could lead to corrosion and possible failure of the domes. Sealing cracks and installing an internal liner and exterior coating will prolong the service life of the digesters.

Maintenance

M&O expenses to be calculated once design of long-term repair solution is identified.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	0	130,000	105,000	0	0	235,000
Total	0	130,000	105,000	0	0	235,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	105,000	0	0	105,000
D - Design	0	125,000	0	0	0	125,000
G - General	0	5,000	0	0	0	5,000
Total	0	130,000	105,000	0	0	235,000

Project #: 11038

Project Name: **Solids Dewatering & Stabilization**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Description
Investigate methods to further dry the WQCF solids and implement the most cost effective method. Project also involves researching and implementing methods to improve digester mixing to enhance solids stabilization.

Justification
Further dewatering solids will reduce landfill disposal costs and improved digester mixing will improve the digesters' performance.

Maintenance
M & O costs will be estimated after the drying method is identified.

Project Summary	
Prior Budget:	30,000
FYE 13/14 Request:	0
Future Request:	460,000
Total Project:	490,000

Department: PUBLIC WORKS

Contact: Koosun Kim

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	0	460,000	0	0	0	460,000
Total	0	460,000	0	0	0	460,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	350,000	0	0	0	350,000
D - Design	0	75,000	0	0	0	75,000
E - Contingency	0	35,000	0	0	0	35,000
Total	0	460,000	0	0	0	460,000

Project #: 11045

Project Name: **Inspect and Clean Sewer Pipelines**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Project Summary	
Prior Budget:	273,000
FYE 13/14 Request:	123,000
Future Request:	261,000
Total Project:	657,000

Department: PUBLIC WORKS

Contact: Phil Govea

Project Status: Existing

Description
Annual project to video inspect and clean large diameter sewer pipelines. WQCF staff routinely inspects and cleans smaller diameter pipelines with existing WQCF equipment, but it is not cost-effective at this time to increase staffing and purchase the additional equipment needed to inspect and clean the large diameter sewer pipelines.

Justification
Inspection and cleaning of sewer pipelines is a permit-required activity because it helps to prevent and/or minimize sewer spills and overflows (SSO). SSOs can cause serious health risks, and they can cause environmental damage when they find their way into waterways. As such, the state issues significant monetary fines to agencies that have SSOs, which is also a method to encourage agencies to routinely inspect and clean their collections systems.

Maintenance
No M & O expected in the next 5 year cycle.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	123,000	128,000	133,000	0	0	384,000
Total	123,000	128,000	133,000	0	0	384,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	123,000	128,000	133,000	0	0	384,000
Total	123,000	128,000	133,000	0	0	384,000

Project #: 11048

Project Name: **Digester Hot Water Boilers**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Project Summary	
Prior Budget:	653,300
FYE 13/14 Request:	0
Future Request:	0
Total Project:	653,300

Department: PUBLIC WORKS

Contact: Koosun Kim

Project Status: Existing

Description
Remove and dispose of the existing WQCF hot water boiler and replace it with a new hot water boiler.

Justification
A hot water boiler is used to maintain the digester sludge temperature at approximately 100 degrees F. The existing WQCF hot water boiler is worn out and replacement parts are difficult to find. A replacement is needed.

Maintenance
No additional M & O costs associated with this improvement.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
D - Design	0	0	0	0	0	0
Q - Equipment	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 11058

Project Name: **Chemical Storage Tanks**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Project Summary	
Prior Budget:	184,000
FYE 13/14 Request:	(184,000)
Future Request:	0
Total Project:	0

Department: PUBLIC WORKS

Contact: Koosun Kim

Project Status: Existing

Description
*** PROJECT DELETED ***
Chemical storage tank(s), valves, piping, appurtenances and control system.

Justification
Chemically enhanced primary treatment (CEPT) allows current primary clarifiers to operate more efficiently, thereby removing more BOD and TSS through the primary clarifiers, which in turn reduces BOD loadings to the aeration basins, which in turn reduces power consumption. Also improves anaerobic digester performance.

Maintenance

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	(184,000)	0	0	0	0	(184,000)
Total	(184,000)	0	0	0	0	(184,000)

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	(184,000)	0	0	0	0	(184,000)
Total	(184,000)	0	0	0	0	(184,000)

Project #: 11059

Project Name: **Level Sensing Devices**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Description
Level sensing devices are used to give advanced warning of breaks in the WQCF Influent Sewer Trunk between the Union Road pump station and the WQCF.

Justification
These devices will provide staff with advanced warning of blockages or breaks in the pipeline. This pipeline is an important segment of the sewer system as it carries over 90% of the City's sewer.

Maintenance
No M & O costs associated with these improvements.

Project Summary

Prior Budget:	26,000
FYE 13/14 Request:	0
Future Request:	0
Total Project:	26,000

Department: PUBLIC WORKS

Contact: Phil Govea

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Q - Equipment	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 11060

Project Name: **Primary Tank Scum Skimmers**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Project Summary	
Prior Budget:	81,190
FYE 13/14 Request:	0
Future Request:	0
Total Project:	81,190

Department: PUBLIC WORKS

Contact: Tim Carroll

Project Status: Existing

Description
Remove and replace two Northside primary tank scum skimmers.

Justification
The scum skimmers are an important mechanical device in the primary sedimentation basins, as they remove debris and organics (scum) that float on the water surface. The scum collected from the primary sedimentation basins are pumped to the digesters for treatment. The existing Northside scum skimmers are 20+ years old, and they routinely fail to remove floating scum. When this occurs, the scum gets carried to the aeration basins where it interferes with the aeration basin treatment process.

Maintenance
No additional M & O costs associated with this improvement.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Q - Equipment	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 12001

Project Name: **Central Sewer Trunk**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Project Summary	
Prior Budget:	85,000
FYE 13/14 Request:	0
Future Request:	4,465,000
Total Project:	4,550,000

Department: PUBLIC WORKS

Contact: Koosun Kim

Project Status: Existing

Description
The Union Road Sewer Pump Station, which is located adjacent to the existing Parks Corp Yard, pumps approximately 90% of the City's sewage into the WQCF Influent Trunk Pipeline for conveyance to the WQCF. The WQCF Influent Trunk Pipeline will be replaced with a new 36-inch pipeline from Union Road to Airport Way. At Airport Way, the Central Sewer Trunk will connect to the North Sewer Trunk - Links 51/52/53/90/91 (CIP 11007). Once in the North Sewer Trunk, sewage will then flow to the WQCF.

Justification
The existing WQCF Influent Trunk Pipeline is deteriorated beyond repair and needs replacement. Installation of the Central Sewer Trunk will result in long term energy and maintenance savings because the new pipeline will be constructed deeper than the existing pipeline, which will allow sewage to flow by gravity from Union Road to the WQCF. Once the Central Sewer Trunk is completed, the Union Road Sewer Pump Station will be demolished.

Maintenance
No M & O costs expected in the 5 years after project installation.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	0	535,000	3,930,000	0	0	4,465,000
Total	0	535,000	3,930,000	0	0	4,465,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	3,400,000	0	0	3,400,000
D - Design	0	340,000	0	0	0	340,000
E - Contingency	0	0	340,000	0	0	340,000
G - General	0	10,000	20,000	0	0	30,000
M - Management	0	0	170,000	0	0	170,000
R - Right of Way	0	185,000	0	0	0	185,000
Total	0	535,000	3,930,000	0	0	4,465,000

Project #: 12013

Project Name: **WQCF Alternative Energy Development**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Project Summary	
Prior Budget:	135,000
FYE 13/14 Request:	0
Future Request:	3,790,000
Total Project:	3,925,000

Department: PUBLIC WORKS

Contact: Phil Govea

Project Status: Existing

Description
Plan, design and construct alternative energy projects at the WQCF to reduce energy costs. Potential projects include photo-voltaic solar farm on existing WQCF land; roof-top photo-voltaic solar installations; and co-generation to convert digester gas into electricity.

Justification
Photo-voltaic solar systems and/or co-generation systems have the potential to supply all of the WQCF's electricity needs at significantly lower costs than primary utility power.

Maintenance
M & O costs will be estimated after the method of energy generation is identified.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	0	1,650,000	160,000	1,980,000	0	3,790,000
Total	0	1,650,000	160,000	1,980,000	0	3,790,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	1,500,000	0	1,800,000	0	3,300,000
D - Design	0	0	150,000	0	0	150,000
E - Contingency	0	150,000	0	180,000	0	330,000
G - General	0	0	10,000	0	0	10,000
Total	0	1,650,000	160,000	1,980,000	0	3,790,000

Project #: 12018

Project Name: **Tertiary Inlet Filter Valve Automation**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Project Summary	
Prior Budget:	63,000
FYE 13/14 Request:	(63,000)
Future Request:	0
Total Project:	0

Department: PUBLIC WORKS

Contact: Tim Carroll

Project Status: Existing

<u>Description</u>
*** PROJECT DELETED ***
Automate the operation of the tertiary inlet filter valves by installing six motorized valve operators on the six existing manually operated tertiary inlet filter valves. Work also includes software programming to update the WCQF SCADA system to allow for remote operation of these valve operators.

<u>Justification</u>
Reduces time needed to exercise and operate large diameter valves. Improves unmanned operation functionality by increasing SCADA control over more equipment.

<u>Maintenance</u>

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	(63,000)	0	0	0	0	(63,000)
Total	(63,000)	0	0	0	0	(63,000)

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	(28,000)	0	0	0	0	(28,000)
G - General	(1,000)	0	0	0	0	(1,000)
Q - Equipment	(34,000)	0	0	0	0	(34,000)
Total	(63,000)	0	0	0	0	(63,000)

Project #: 12019

Project Name: **NS Aeration Basin Blower Switchgear Replc.**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Project Summary	
Prior Budget:	135,000
FYE 13/14 Request:	(135,000)
Future Request:	0
Total Project:	0

Department: PUBLIC WORKS

Contact: Phil Govea

Project Status: Existing

Description
*** PROJECT DISCONTINUED *** Funding moved to North Plant Aeration Basin Optimization - CIP 103740

Replace the existing Northside electrical switchgear for aeration basin blowers Nos. 1 and 2 with new electrical switchgear.

Justification
The Northside aeration basin blowers Nos. 1 and 2 are unreliable and a safety hazard. The blowers have failed to operate when called for because the switchgear components are not latching. The existing switchgear exhibits excessive vibration and chattering, which loosens connections and creates grounding or small electrical arcs. Replacement parts are not available as the switchgear is over 30 years old and is obsolete.

Maintenance

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	(135,000)	0	0	0	0	(135,000)
Total	(135,000)	0	0	0	0	(135,000)

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
D - Design	(20,000)	0	0	0	0	(20,000)
Q - Equipment	(115,000)	0	0	0	0	(115,000)
Total	(135,000)	0	0	0	0	(135,000)

Project #: 12022

Project Name: **WQCF Shop/Generator Room Conversion**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Project Summary	
Prior Budget:	125,000
FYE 13/14 Request:	0
Future Request:	170,000
Total Project:	295,000

Department: PUBLIC WORKS

Contact: Koosun Kim

Project Status: Existing

Description
Convert the old maintenance shop and old generator room into a training and break room for WQCF staff. Project involves purchasing the necessary materials, supplies, equipment, and furnishings, and WQCF staff will perform the conversion.

Justification
Safety training, operations training and maintenance training for new and existing equipment and facilities is an essential part of WQCF procedures. Adequate space is needed to conduct these training sessions. The old generator room is to be converted into a training room, while the smaller shop room is to be converted into a break room.

Maintenance
No M & O costs associated with this improvement.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	0	170,000	0	0	0	170,000
Total	0	170,000	0	0	0	170,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	150,000	0	0	0	150,000
D - Design	0	0	0	0	0	0
E - Contingency	0	20,000	0	0	0	20,000
Total	0	170,000	0	0	0	170,000

Project #: 12026

Project Name: **Woodward Ave Utility & Street Imprmts.**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Project Summary	
Prior Budget:	11,215,000
FYE 13/14 Request:	0
Future Request:	0
Total Project:	11,215,000

Department: PUBLIC WORKS

Contact: Phil Govea

Project Status: Existing

Description
Install approximately 2.5 miles of 36" sewer pipeline and 54" storm drainage pipeline, and reconstruct Woodward Avenue as a two lane road with center median. (Projects 11006, 11008 & 11033 were discontinued and merged into this project).

Justification
Utilities needed to support future growth in south Manteca. Also, prevent throw away asphalt costs by reconstructing Woodward Avenue while the underground utilities are being installed.

Maintenance
No M & O costs expected in the 5 years after project installation.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
PFIP - Sewer	0	0	0	0	0	0
PFIP - Storm Drain	0	0	0	0	0	0
PFIP - Transportation	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
	0	0	0	0	0	0
C - Construction	0	0	0	0	0	0
D - Design	0	0	0	0	0	0
E - Contingency	0	0	0	0	0	0
G - General	0	0	0	0	0	0
M - Management	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 12027

Project Name: **Aeration Basin Blower Replacement**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Project Summary	
Prior Budget:	895,000
FYE 13/14 Request:	(895,000)
Future Request:	0
Total Project:	0

Department: PUBLIC WORKS

Contact: Phil Govea

Project Status: Existing

Description
*** PROJECT DISCONTINUED *** Funding moved to North Plant Aeration Basin Optimization - CIP 103740

Replace existing centrifugal-type aeration basin blowers with higher efficiency turbo-type blowers.

Justification
Aeration basin air blowers are one of the largest power consumers at any activated sludge wastewater treatment facility. Staff proposes to replace the WQCF's existing centrifugal-type blowers with higher efficiency turbo-type blowers. Staff estimates a 9 year pay back period in energy savings from this equipment.

Maintenance

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	(895,000)	0	0	0	0	(895,000)
Total	(895,000)	0	0	0	0	(895,000)

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	(185,000)	0	0	0	0	(185,000)
D - Design	(90,000)	0	0	0	0	(90,000)
E - Contingency	(45,000)	0	0	0	0	(45,000)
M - Management	(55,000)	0	0	0	0	(55,000)
Q - Equipment	(520,000)	0	0	0	0	(520,000)
Total	(895,000)	0	0	0	0	(895,000)

Project #: 12028

Project Name: **IPS Inlet Junction Structure Rehabilitation**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Description
Clean corroded concrete surfaces and apply new protective coating. Also, modify HVAC control programming to increase the air changes per hour.

Justification
A condition assessment of the grating and support beams in a portion of the Influent Pump Station inlet junction structure showed that the concrete was severely deteriorated by sewer gases. Corrective actions are needed to prevent further concrete deterioration and structural damage.

Maintenance
No M & O costs associated with this improvement.

Project Summary	
Prior Budget:	798,000
FYE 13/14 Request:	355,000
Future Request:	0
Total Project:	1,153,000

Department: PUBLIC WORKS

Contact: Koosun Kim

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	355,000	0	0	0	0	355,000
Total	355,000	0	0	0	0	355,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	265,000	0	0	0	0	265,000
D - Design	50,000	0	0	0	0	50,000
E - Contingency	40,000	0	0	0	0	40,000
Total	355,000	0	0	0	0	355,000

Project #: 12032

Project Name: **Primary Sludge Concentration Meters**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Project Summary	
Prior Budget:	84,300
FYE 13/14 Request:	0
Future Request:	0
Total Project:	84,300

Department: PUBLIC WORKS

Contact: Tim Carroll

Project Status: Existing

Description
Purchase and install six sludge concentration meters on the pipelines that convey primary sludge to the digesters. Project is underway.

Justification
Primary sludge concentration is currently measured by collecting samples from all six primary sedimentation basins and conducting lab analyses to determine sludge concentration. Sample collection is time consuming, and too much water can be conveyed to the digesters while waiting for the sludge concentration lab results. The metering devices measure in-situ sludge concentration in real-time, which allows operators to make pumping adjustments to minimize water loading to the digesters.

Maintenance
No M & O costs associated with this improvement.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Q - Equipment	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 13008

Project Name: **North Sewer Trunk - Links 72/73**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Description
Construct large diameter trunk sewer mains in Lathrop Road from Union Ranch to east of Hwy. 99 (links 72 & 73).

Justification
Project needed to accommodate growth in north Manteca.

Maintenance
No M & O costs expected in the 5 years after project installation.

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	250,000
Total Project:	250,000

Department: PUBLIC WORKS

Contact: Koosun Kim

Project Status: New

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
PFIP - Sewer	0	0	100,000	150,000	0	250,000
Total	0	0	100,000	150,000	0	250,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
D - Design	0	0	0	150,000	0	150,000
E - Contingency	0	0	0	0	0	0
P - Planning	0	0	100,000	0	0	100,000
Total	0	0	100,000	150,000	0	250,000

Project #: 13021

Project Name: **Emergency By-Pass Pumping Sys. Tractor**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Project Summary	
Prior Budget:	65,500
FYE 13/14 Request:	0
Future Request:	0
Total Project:	65,500

Department: PUBLIC WORKS

Contact: Tim Carroll

Project Status: Existing

Description
Purchase a 4WD tractor to replace the existing 4WD Emergency By-Pass Pumping System Tractor.

Justification
Per Council direction, an Emergency By-Pass Pumping System (EBPPS) was purchased to provide for by-pass pumping around breaks or blockages in the WQCF Influent Pipeline until such time that the Central Sewer Trunk was installed. The EBPPS is a trailer-mounted system that is pulled into position by an existing 4WD tractor. This existing 4WD tractor is over 20 years old and is past its useful service life. Also, repairs are costly and spare parts are difficult to find.
Staff recommends replacing this existing 4WD tractor with a new 4WD tractor. A tractor is recommended because the alignment of the existing WQCF Influent Pipeline is mostly in farmland areas, and thus a robust 4WD vehicle is needed to traverse open fields and muddy conditions to pull the EBPPS into position. In addition, a tractor can help WQCF staff accomplish many other tasks such as: enhanced bio-solids windrowing; chemical weed abatement; pond berm maintenance; and maintenance of WQCF farm roads.

Maintenance
Estimated M & O = $500 (FY14), $550 (FY15), $600 (FY16), $650 (FY17), $700 (FY18)

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Q - Equipment	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 13022

Project Name: **Crane Truck**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Project Summary	
Prior Budget:	97,000
FYE 13/14 Request:	30,000
Future Request:	0
Total Project:	127,000

Department: PUBLIC WORKS

Contact: Tim Carroll

Project Status: Existing

Description
Purchase a used crane truck vehicle.

Justification
Sewer division staff frequently need to perform long-reach and/or heavy lifts of pumps and other equipment for preventative and reactive maintenance. The current methods of accomplishing these types of lifts are to either 1) use rental equipment or 2) use equipment or vehicles not rated to perform the work. While the use of rental equipment has worked, the equipment is not always available in a timely manner, especially on weekends. Also, the use of non-spec equipment presents a safety risk.

Maintenance
Estimated M & O = $800 (FY14), $850 (FY15), $900 (FY16), $950 (FY17), $1000 (FY18)

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	30,000	0	0	0	0	30,000
Total	30,000	0	0	0	0	30,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Q - Equipment	30,000	0	0	0	0	30,000
Total	30,000	0	0	0	0	30,000

Project #: 13023

Project Name: **Tertiary Filter pH Analyzer**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Project Summary	
Prior Budget:	30,000
FYE 13/14 Request:	0
Future Request:	0
Total Project:	30,000

Department: PUBLIC WORKS

Contact: Tim Carroll

Project Status: Existing

Description
Purchase a pH analyzer to continuously monitor treated effluent pH at the tertiary filters, and provide programming services such that the new analyzer is integrated in the plant-wide SCADA system.

Justification
The City's wastewater NPDES permit requires that the final treated effluent pH be between 6.5 and 8.0. The nitrification process (conversion of ammonia to nitrate) and low alkalinity lower the final treated effluent pH to approximately 6.5. Staff need continuous, real-time pH monitoring near the end of the treatment process such that upstream treatment adjustments such as chemical addition can be made to keep the pH from dropping below 6.5.

Maintenance
No M & O costs expected in the 5 years after project installation.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
D - Design	0	0	0	0	0	0
Q - Equipment	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 13025

Project Name: **Tertiary Filter Filtration Cloth Replacement**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Description
Purchase and install filter replacements for the tertiary filters.

Justification
Fabric filters are used in the tertiary filters to capture particles down to 10 microns in size. These filters have a 5-year service life after which they need to be replaced. The fabric filters in all 6 tertiary filters have reached their 5-year service life and need to be replaced.

Maintenance
No M & O costs expected in the 5 years after project installation.

Project Summary	
Prior Budget:	74,000
FYE 13/14 Request:	0
Future Request:	175,000
Total Project:	249,000

Department: PUBLIC WORKS

Contact: Tim Carroll

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	0	85,000	0	90,000	0	175,000
Total	0	85,000	0	90,000	0	175,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Q - Equipment	0	85,000	0	90,000	0	175,000
Total	0	85,000	0	90,000	0	175,000

Project #: 13026

Project Name: **Grit Pump Replacement**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Description
Purchase and install two new grit pumps in the Northside Primary Sedimentation Basins.

Justification
The existing grit pumps are beyond their 15-year service life, and are in need of replacement.

Maintenance
No additional M & O costs associated with this improvement.

Project Summary	
Prior Budget:	50,000
FYE 13/14 Request:	0
Future Request:	0
Total Project:	50,000

Department: PUBLIC WORKS

Contact: Tim Carroll

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Q - Equipment	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 13027

Project Name: **Process Water Source Improvement**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Project Summary	
Prior Budget:	292,000
FYE 13/14 Request:	0
Future Request:	0
Total Project:	292,000

Department: PUBLIC WORKS

Contact: Koosun Kim

Project Status: Existing

Description
Construct a 700 gpm pump station and sand filtration system such that the WQCF can use treated secondary effluent as the source water for the process water distribution system.

Justification
An on-site groundwater well supplies the WQCF will all of its process water needs. The well water, however, contains high levels of zinc, which is causing permit violations in chronic toxicity tests. To reduce zinc concentrations, staff is using the recently-installed process water backup system, which is a pipeline connection to the City's potable water system. The City's potable water system is low in zinc, which has alleviated the chronic toxicity issues. Using City potable water long term, however, is not a cost-effective solution, and staff proposes to instead use treated secondary effluent as the plant's primary source of process water.

Maintenance
Estimated M & O = $750 (FY14), $800 (FY15), $850 (FY16), $900 (FY17), $950 (FY18)

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
D - Design	0	0	0	0	0	0
E - Contingency	0	0	0	0	0	0
G - General	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 13030

Project Name: **Hays Farmland Improvements**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Project Summary	
Prior Budget:	310,000
FYE 13/14 Request:	0
Future Request:	3,034,000
Total Project:	3,344,000

Department: PUBLIC WORKS

Contact: Phil Govea

Project Status: Existing

Description
Phase 1 involves identifying crop opportunities, developing a master plan, and obtaining regulatory clearance to apply WQCF treated effluent and/or Eckert wastewater to the 417 acres of farmland. Phase 2 involves design and construction of needed infrastructure. The costs of Phase 2 infrastructure will be indentified after completion of the Phase 1 master plan.

Justification
Generate revenue and/or reduce other City costs by maximizing the agricultural oppurtunities at this site.

Maintenance
Maintenance costs will be identified after completion of the Phase 1 master plan.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	0	219,000	2,815,000	0	0	3,034,000
Total	0	219,000	2,815,000	0	0	3,034,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
P - Planning	0	219,000	2,815,000	0	0	3,034,000
Total	0	219,000	2,815,000	0	0	3,034,000

Project #: 14010

Project Name: **UV Structure Enclosure**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Description
Enclose existing UV structural framing with siding or other materials to protect the top deck of the UV structure.

Justification
Wind, rain and sunlight are causing undo wear on the existing equipment, as well as creating a difficult work environment to inspect, clean and replace the existing 2,200 UV lamps.

Maintenance
No M & O costs associated with this improvement.

Project Summary

Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	542,000
Total Project:	542,000

Department: PUBLIC WORKS

Contact: Koosun Kim

Project Status: New

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	0	75,000	467,000	0	0	542,000
Total	0	75,000	467,000	0	0	542,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	425,000	0	0	425,000
D - Design	0	75,000	0	0	0	75,000
E - Contingency	0	0	42,000	0	0	42,000
Total	0	75,000	467,000	0	0	542,000

Project #: 14016

Project Name: **Sewer NPDES Discharge Permit Renewal**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Description
Renew the City's sewer NPDES discharge permit.

Justification
All sewer NPDES discharge permits are valid for 5 years. While the City's sewer NPDES discharge permit won't expire until October 2014, the renewal package must be submitted to the state no later than April 2014.

Maintenance

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	360,000
Future Request:	0
Total Project:	360,000

Department: PUBLIC WORKS

Contact: Phil Govea

Project Status: New

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	360,000	0	0	0	0	360,000
Total	360,000	0	0	0	0	360,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
E - Contingency	30,000	0	0	0	0	30,000
G - General	5,000	0	0	0	0	5,000
P - Planning	325,000	0	0	0	0	325,000
Total	360,000	0	0	0	0	360,000

Project #: 14017

Project Name: **Digester Feed Line Grinder**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	107,000
Future Request:	0
Total Project:	107,000

Department: PUBLIC WORKS

Contact: Tim Carroll

Project Status: New

Description
Install an in-line grinder on the feed pipelines to the digesters.

Justification
In-line grinder will grind rags and solid materials going into the digesters. This will help reduce or eliminate the plugging effect in the telescopic valves that control sludge flow to the digesters. When these valves plug, the digested sludge will overflow back to the headworks, potentially causing plant upsets and permit violations. A grinder will keep rags small enough to pass through the valves and then be removed in the solids removal/dewatering process.

Maintenance
Estimated M & O = $100 (FY14), $110 (FY15), $120 (FY16), $130 (FY17), $140 (FY18)

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	107,000	0	0	0	0	107,000
Total	107,000	0	0	0	0	107,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	102,000	0	0	0	0	102,000
G - General	5,000	0	0	0	0	5,000
Total	107,000	0	0	0	0	107,000

Project #: 14018

Project Name: **5,000 lb Propane Forklift**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	30,000
Future Request:	0
Total Project:	30,000

Department: PUBLIC WORKS

Contact: Tim Carroll

Project Status: New

Description
Purchase a 5,000 lb propane forklift with pneumatic tires, standard lift, tilt and side shift, 48" forks and low clearance.

Justification
Existing forklift is gas powered and too big to safely maneuver inside maintenance shop, dewatering building, polymer usage area and polymer storage area. The mast barely clears roll up doors and covered storage areas. Roll up doors and roof areas have been hit when the load is raised only a couple inches. New forklift is smaller while still being strong enough to lift polymer totes. This will allow us to drive totes directly into storage area rather than use a pallet jack, thus reducing injury risk. Would also allow staff to move parts and equipment in and out of maintenance shop and dewatering building easier and safer.

Maintenance
Estimated M & O = $500 (FY14), $550 (FY15), $600 (FY16), $650 (FY17), $700 (FY18)

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	30,000	0	0	0	0	30,000
Total	30,000	0	0	0	0	30,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Q - Equipment	30,000	0	0	0	0	30,000
Total	30,000	0	0	0	0	30,000

Project #: 14019

Project Name: **Farmland Irrigation Pipeline Rehabilitation**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	590,000
Future Request:	0
Total Project:	590,000

Department: PUBLIC WORKS

Contact: Koosun Kim

Project Status: New

Description
Repair certain segments of the existing farmland irrigation piping network through multiple repair methods including 1) remove and replacement; 2) install internal liner and 3) install patch repairs. Project also involves extending the existing irrigation system such that Field 11N can receive treated wastewater as irrigation water.

Justification
The existing irrigation piping network conveys secondary effluent to the farmland surrounding the WQCF for use in growing crops. The pipes are comprised of unreinforced concrete pipe; thus, they are susceptible to cracking and water releases. Water releases to lands not permitted to receive secondary effluent is a permit violation. Also, several of these pipes run parallel to the French Camp Outlet Canal (FCOC) and water releases to the FCOC is a permit violation. Video inspection of the pipes showed longitudinal and radial cracking in many locations. Repairs are needed to prevent water releases to unpermitted lands and to the FCOC. Regarding irrigation of Field 11N, only SSJID water can be used on this field since the existing treated wastewater irrigation system does not reach far enough to include Field 11N. Extending the treated wastewater irrigation will allow plant staff to discontinue the use of SSJID water on Field 11N.

Maintenance
No M & O costs expected in the 5 years after project installation.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	590,000	0	0	0	0	590,000
Total	590,000	0	0	0	0	590,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	530,000	0	0	0	0	530,000
E - Contingency	50,000	0	0	0	0	50,000
G - General	10,000	0	0	0	0	10,000
Total	590,000	0	0	0	0	590,000

Project #: 14020

Project Name: **UV Air Conditioning System Upgrade**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	313,000
Future Request:	0
Total Project:	313,000

Department: PUBLIC WORKS

Contact: Koosun Kim

Project Status: New

Description
Upgrade the air conditioning system that keeps the control panels for the UV system at the proper operating temperature.

Justification
The existing air conditioning system provided by the manufacturer does not have sufficient redundancy or capacity to keep the control panels at the proper operating temperature should one of the AC units fail. In 2012, the AC units failed on two separate occasions, which lead to releases of non compliant effluent to the San Joaquin River. This project will replace the existing AC system with a system containing sufficient redundancy and capacity to allow for units to be down while still providing the needed service.

Maintenance
No additional M & O costs associated with this improvement.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	313,000	0	0	0	0	313,000
Total	313,000	0	0	0	0	313,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	225,000	0	0	0	0	225,000
D - Design	60,000	0	0	0	0	60,000
E - Contingency	23,000	0	0	0	0	23,000
G - General	5,000	0	0	0	0	5,000
Total	313,000	0	0	0	0	313,000

Project #: 14022

Project Name: **North Plant Aeration Basin Optimization**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	3,479,000
Future Request:	0
Total Project:	3,479,000

Department: PUBLIC WORKS

Contact: Koosun Kim

Project Status: New

Description
Replace inefficient aeration blowers; replace electrical switch gear that is past its service life; replace air diffuser panels; and enhance air distribution system with additional piping and control valves. Project consolidates 11018, 11021, 12019 and 12027 into a single project.

Justification
Optimizes aeration basin control, performance and efficiency as follows: 1) Aeration basin blowers are one of the largest power consumers at any activated sludge wastewater treatment facility. Staff proposes to replace the existing centrifugal-type blowers with higher efficiency turbo-type blowers. Staff estimates a 9 year pay back period in energy savings from this equipment; 2) the existing air diffuser panels tear easily and are maintenance intensive. The new air diffuser panels will be more durable and reliable and thus will reduce maintenance costs; 3) provide and install all associated instrumentation and controls; provide programming services such that all new equipment are integrated in the plant-wide SCADA system; 4) The Northside aeration basin blowers Nos. 1 and 2 are unreliable and a safety hazard. Also, the existing switchgear exhibits excessive vibration and chattering, which loosens connections and creates grounding or small electrical arcs. Replacement parts are not available as the switchgear is over 30 years old and is obsolete;

Maintenance
Estimated M & O = $300 (FY15), $350 (FY16), $400 (FY17), $450 (FY18)

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	3,479,000	0	0	0	0	3,479,000
Total	3,479,000	0	0	0	0	3,479,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	3,152,300	0	0	0	0	3,152,300
D - Design	209,400	0	0	0	0	209,400
E - Contingency	109,100	0	0	0	0	109,100
G - General	8,200	0	0	0	0	8,200
Total	3,479,000	0	0	0	0	3,479,000

Project #: 15006

Project Name: **South Sewer Trunk Links 1/2/3/4/5**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Description
Construct large diameter sewer trunk mains from the Dutra Estates Subdivision to the WQCF (links 1, 2, 3, 4 and 5) in accordance with the wastewater collection system master plan.

Justification
Project is needed to accommodate growth in south Manteca, and to make completely functional the sewer trunk segments installed in the Woodward Utility & Street Improvement Project.

Maintenance
No M & O costs expected in the 5 years after project installation.

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	7,454,000
Total Project:	7,454,000

Department: PUBLIC WORKS

Contact: Koosun Kim

Project Status: New

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
PFIP - Sewer	0	670,000	3,392,000	3,392,000	0	7,454,000
Total	0	670,000	3,392,000	3,392,000	0	7,454,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	2,792,000	2,792,000	0	5,584,000
D - Design	0	600,000	0	0	0	600,000
E - Contingency	0	0	300,000	300,000	0	600,000
G - General	0	20,000	0	0	0	20,000
M - Management	0	0	300,000	300,000	0	600,000
R - Right of Way	0	50,000	0	0	0	50,000
Total	0	670,000	3,392,000	3,392,000	0	7,454,000

Project #: 16001

Project Name: **South Plant Aeration Basin Optimization**

Program Area: PUBLIC UTILITIES

Sub Program: WASTE WATER

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	3,300,000
Total Project:	3,300,000

Department: PUBLIC WORKS

Contact: Koosun Kim

Project Status: New

Description
Replace inefficient aeration blowers; replace air diffuser panels; and enhance air distribution system with additional piping and control valves.

Justification
Optimizes aeration basin control, performance and efficiency as follows: 1) Aeration basin blowers are one of the largest power consumers at any activated sludge wastewater treatment facility. Staff proposes to replace the existing centrifugal-type blowers with higher efficiency turbo-type blowers. Staff estimates a 9 year pay back period in energy savings from this equipment; 2) the existing air diffuser panels tear easily and are maintenance intensive. The new air diffuser panels will be more durable and reliable and thus will reduce maintenance costs; and 3) provide and install all associated instrumentation and controls; provide programming services such that all new equipment are integrated in the plant-wide SCADA system.

Maintenance
Estimated M & O = $300 (FY15), $350 (FY16), $400 (FY17), $450 (FY18)

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Sewer Maint & Oper	0	0	3,300,000	0	0	3,300,000
Total	0	0	3,300,000	0	0	3,300,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	2,360,000	0	0	2,360,000
D - Design	0	0	601,000	0	0	601,000
E - Contingency	0	0	314,000	0	0	314,000
G - General	0	0	25,000	0	0	25,000
Total	0	0	3,300,000	0	0	3,300,000

Project #: 11011

Project Name: **Park Irrigation Conversion**

Program Area: PUBLIC UTILITIES

Sub Program: WATER

Project Summary	
Prior Budget:	559,190
FYE 13/14 Request:	0
Future Request:	0
Total Project:	559,190

Department: PUBLIC WORKS

Contact: Fernando Ulloa

Project Status: Existing

Description
This is an ongoing project to install non-potable groundwater wells at various City parks for irrigation. The parks scheduled for conversion in FY13 are Sierra Creek, Diamond Oaks, Dutra SE, Villa Ticino, and Curran Grove.

Justification
Many City parks are irrigated with water from the City's potable water system. Water treated to potable standards is expensive and needs to be reserved for potable uses. Treatment costs can be saved by irrigating the parks with non-potable water. Also, most parks are irrigated in the early morning hours, including the peak morning hours when customers demand the most water. By using irrigation wells, the water previously used for turf irrigation will be used to meet peak hour demands.

Maintenance
Estimated M & O = $15,000 (FY14), $15,000 (FY15), $15,000 (FY16), $15,000 (FY17), $15,000 (FY18)

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Water Maint & Oper	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 11012

Project Name: **Water Line Replacement - Area 1**

Program Area: PUBLIC UTILITIES

Sub Program: WATER

Description
Install new water pipelines in Area 1 of the City as described in the Water Master Plan.

Justification
The existing pipelines in Area 1 cannot meet all water demands due to undersized pipes. New, larger diameter pipes are needed to correct this situation.

Maintenance
No M & O is expected for the next 5 year cycle.

Project Summary	
Prior Budget:	299,110
FYE 13/14 Request:	0
Future Request:	0
Total Project:	299,110

Department: PUBLIC WORKS

Contact: Fernando Ulloa

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Water Maint & Oper	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
D - Design	0	0	0	0	0	0
E - Contingency	0	0	0	0	0	0
G - General	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 11013

Project Name: **Water Line Replacement - Area 2**

Program Area: PUBLIC UTILITIES

Sub Program: WATER

Description
Install new water pipelines in Area 2 of the City as described in the Water Master Plan.

Justification
The existing pipelines in Area 2 cannot meet all water demands due to undersized pipes. New, larger diameter pipes are needed to correct this situation.

Maintenance
No M & O is expected for the next 5 year cycle.

Project Summary	
Prior Budget:	416,000
FYE 13/14 Request:	0
Future Request:	1,264,000
Total Project:	1,680,000

Department: PUBLIC WORKS

Contact: Fernando Ulloa

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Water Maint & Oper	0	420,000	421,000	423,000	0	1,264,000
Total	0	420,000	421,000	423,000	0	1,264,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	388,000	389,000	390,000	0	1,167,000
D - Design	0	5,000	5,000	5,000	0	15,000
E - Contingency	0	26,000	26,000	27,000	0	79,000
G - General	0	1,000	1,000	1,000	0	3,000
Total	0	420,000	421,000	423,000	0	1,264,000

Project #: 11016

Project Name: **Surface Water Plant Membrane Rplcmnt**

Program Area: PUBLIC UTILITIES

Sub Program: WATER

Project Summary	
Prior Budget:	1,095,100
FYE 13/14 Request:	375,000
Future Request:	380,000
Total Project:	1,850,100

Description

Justification

Maintenance
No additional M&O expenses are expected for the next 5 year cycle. The City pays its proportionate share of overall water treatment M&O expenses, including costs associated with membrane treatment, along with the other participating cities.

Department: PUBLIC WORKS

Contact: Fernando Ulloa

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Water Fee Improvement	101,250	102,600	0	0	0	203,850
Water Maint & Oper	273,750	277,400	0	0	0	551,150
Total	375,000	380,000	0	0	0	755,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	375,000	380,000	0	0	0	755,000
Total	375,000	380,000	0	0	0	755,000

Project #: 11017

Project Name: **Austin Rd Surface Water Pipeline - Ph 2**

Program Area: PUBLIC UTILITIES

Sub Program: WATER

Description
Pipeline in Austin Road from Yosemite Avenue to Moffat Blvd to convey surface water to south Manteca. Project includes the crossing of Hwy 99.

Justification
Additional pipeline infrastructure is needed to meet water demands and to improve distribution of surface water to all parts of Manteca.

Maintenance
No M & O is expected for the next 5 year cycle.

Project Summary	
Prior Budget:	2,538,955
FYE 13/14 Request:	0
Future Request:	0
Total Project:	2,538,955

Department: PUBLIC WORKS

Contact: Fernando Ulloa

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Water Fee Improvement	0	0	0	0	0	0
Water Maint & Oper	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
E - Contingency	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 11023

Project Name: **Atherton Drive Water Storage Tank**

Program Area: PUBLIC UTILITIES

Sub Program: WATER

Description
Construct a 3.5 million gallon water storage tank in south Manteca.

Justification
A water tank will allow the storage of surface water and groundwater during off peak periods. Then, during daily peak demand periods, the stored water will be pumped into the water system to meet customer demands.

Maintenance
Estimated M & O = $50,000 (FY15), $50,100 (FY16), $50,200 (FY17)

Project Summary	
Prior Budget:	6,581,796
FYE 13/14 Request:	0
Future Request:	0
Total Project:	6,581,796

Department: PUBLIC WORKS

Contact: Phil Govea

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
PFIP - Water	0	0	0	0	0	0
Water Maint & Oper	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 11032

Project Name: **Well 24 pH Adjustment System**

Program Area: PUBLIC UTILITIES

Sub Program: WATER

Description
Install a pH adjustment system at Well 24 consisting of either a sulfuric acid injection system or a carbon dioxide injection system.

Justification
Adjusting the pH of the well water will extend the life of the arsenic reduction media, which will lower treatment costs.

Maintenance
M & O costs will be estimated after the most cost-effective pH adjustment system is identified.

Project Summary	
Prior Budget:	95,000
FYE 13/14 Request:	0
Future Request:	0
Total Project:	95,000

Department: PUBLIC WORKS

Contact: Phil Govea

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Water Maint & Oper	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 12008

Project Name: **CMMS Water Dist & Treatment**

Program Area: PUBLIC UTILITIES

Sub Program: WATER

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	175,000
Total Project:	175,000

Department: PUBLIC WORKS

Contact: Fernando Ulloa

Project Status: New

Description
Purchase and install computer hardware and software for a computer maintenance and management system (CMMS) to maintain and manage the City's potable water assets. This project was orginally funded in FY10 but was defunded in FY12. It is now scheduled to go forward in FY14.

Justification
Improve the operation, maintenance activities and capital replacement of the City's potable water system assets.

Maintenance
Estimated M & O = $2,000 (FY15), $2,200 (FY16), $2,400 (FY17)

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Water Maint & Oper	0	175,000	0	0	0	175,000
Total	0	175,000	0	0	0	175,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
D - Design	0	150,000	0	0	0	150,000
S - Software	0	25,000	0	0	0	25,000
Total	0	175,000	0	0	0	175,000

Project #: 12010

Project Name: **Water Line Replacement - Area 3**

Program Area: PUBLIC UTILITIES

Sub Program: WATER

Description
Install new water pipelines in Area 3 of the City as described in the Water Master Plan.

Justification
The existing pipelines in Area 3 cannot meet all water demands due to undersized pipes. New, larger diameter pipes are needed to correct this situation.

Maintenance
No M & O is expected for the next 5 year cycle.

Project Summary

Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	698,000
Total Project:	698,000

Department: PUBLIC WORKS

Contact: Fernando Ulloa

Project Status: New

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Water Maint & Oper	0	0	698,000	0	0	698,000
Total	0	0	698,000	0	0	698,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	625,000	0	0	625,000
D - Design	0	0	10,000	0	0	10,000
E - Contingency	0	0	62,000	0	0	62,000
G - General	0	0	1,000	0	0	1,000
Total	0	0	698,000	0	0	698,000

Project #: 12011

Project Name: **Manteca Ave / Center Street Pipeline Impr.**

Program Area: PUBLIC UTILITIES

Sub Program: WATER

Project Summary	
Prior Budget:	521,000
FYE 13/14 Request:	0
Future Request:	0
Total Project:	521,000

Department: PUBLIC WORKS

Contact: Fernando Ulloa

Project Status: Existing

Description
Install new water pipeline in the vicinity of Manteca Avenue and Center street.

Justification
The existing pipelines in the vicinity of Manteca Avenue and Center Street cannot meet all water demands due to undersized piping. In addition, the existing pipe material is uncoated steel, which is susceptible to failure. New piping that meets current City standards is needed to correct this situation.

Maintenance
No M & O is expected for the next 5 year cycle.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Water Maint & Oper	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
D - Design	0	0	0	0	0	0
E - Contingency	0	0	0	0	0	0
G - General	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 12012

Project Name: **Reclaimed Water Pipeline Network**

Program Area: PUBLIC UTILITIES

Sub Program: WATER

Description
Annual program to construct pipeline segments to distribute reclaimed water to various locations throughout the City.

Justification
Reduce costs and preserve the City's groundwater and surface water supplies by using reclaimed water from the WQCF to irrigate urban landscaping such as parks, street landscaping and the golf course.

Maintenance
No M & O is expected for the next 5 year cycle.

Project Summary

Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	708,000
Total Project:	708,000

Department: PUBLIC WORKS

Contact: Koosun Kim

Project Status: New

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Water Maint & Oper	0	0	225,000	236,000	247,000	708,000
Total	0	0	225,000	236,000	247,000	708,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	200,000	210,000	220,000	630,000
E - Contingency	0	0	20,000	21,000	22,000	63,000
G - General	0	0	5,000	5,000	5,000	15,000
Total	0	0	225,000	236,000	247,000	708,000

Project #: 12023

Project Name: **Well 24 Nitrate Reduction**

Program Area: PUBLIC UTILITIES

Sub Program: WATER

Project Summary	
Prior Budget:	60,000
FYE 13/14 Request:	0
Future Request:	0
Total Project:	60,000

Department: PUBLIC WORKS

Contact: Phil Govea

Project Status: Existing

Description
Preliminary testing indicates that high nitrate water is entering the well from a certain section of the aquifer. This project involves sealing off this section of the well by removing the existing gravel pack and backfilling it with neat cement.

Justification
The City's water permit requires the City to keep nitrate levels in its drinking water system below certain levels. Nitrate levels at Well 24 have increased to unacceptable levels, and an improvement is needed to lower nitrate levels otherwise the City may be forced to shut down the well. Shutting down a well in this area of the City would significantly reduce system pressures and would decrease the City's ability to meet water demands.

Maintenance
No M & O is expected for the next 5 year cycle.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Water Maint & Oper	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 12031

Project Name: **Arsenic Media Regeneration Service Trailer**

Program Area: PUBLIC UTILITIES

Sub Program: WATER

Description
Purchase trailer, tanks, pumps, equipment and supplies needed to regenerate existing arsenic media at various City wells to extend the life of the media.

Justification
Regenerating the arsenic media within the filtration tanks extends the life of the media and is significantly less expensive than media change outs. Staff estimates the media can be regenerated three times before a complete change out is necessary.

Maintenance
Estimated M & O = $350 (FY14), $400 (FY15), $450 (FY16), $500 (FY17), $550 (FY18)

Project Summary	
Prior Budget:	53,000
FYE 13/14 Request:	0
Future Request:	0
Total Project:	53,000

Department: PUBLIC WORKS

Contact: Fernando Ulloa

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Water Maint & Oper	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Q - Equipment	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 12044

Project Name: **London Ave & Austin Rd Metering Facilities**

Program Area: PUBLIC UTILITIES

Sub Program: WATER

Description
Project to install metering and SCADA facilities at two locations on the SSJID surface water transmission line. These locations are at London Ave / Lathrop Rd and at Austin Rd / Lathrop Rd.

Justification
Facilities required by SSJID to measure and control surface water flow through the London turnout and the Austin (M1) turnout.

Maintenance
Estimated M & O = $400 (FY13), $450 (FY14), $500 (FY15), $550 (FY16), $600 (FY17), $650 (FY18)

Project Summary

Prior Budget:	637,000
FYE 13/14 Request:	0
Future Request:	0
Total Project:	637,000

Department: PUBLIC WORKS

Contact: Fernando Ulloa

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Water Fee Improvement	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
D - Design	0	0	0	0	0	0
E - Contingency	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 13004

Project Name: **Water Line Replacement - Area 4**

Program Area: PUBLIC UTILITIES

Sub Program: WATER

Description
Install new water pipelines in Area 4 of the City as described in the Water Master Plan.

Justification
The existing pipelines in Area 4 cannot meet all water demands due to undersized pipes. New, larger diameter pipes are needed to correct this situation.

Maintenance
No M & O is expected for the next 5 year cycle.

Project Summary

Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	1,097,000
Total Project:	1,097,000

Department: PUBLIC WORKS

Contact: Fernando Ulloa

Project Status: New

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Water Maint & Oper	0	0	1,097,000	0	0	1,097,000
Total	0	0	1,097,000	0	0	1,097,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	975,000	0	0	975,000
D - Design	0	0	20,000	0	0	20,000
E - Contingency	0	0	97,000	0	0	97,000
G - General	0	0	5,000	0	0	5,000
Total	0	0	1,097,000	0	0	1,097,000

Project #: 13005

Project Name: **Water Line Replacement - Area 5**

Program Area: PUBLIC UTILITIES

Sub Program: WATER

Description
Install new water pipelines in Area 5 of the City as described in the Water Master Plan.

Justification
The existing pipelines in Area 5 cannot meet all water demands due to undersized pipes. New, larger diameter pipes are needed to correct this situation.

Maintenance
No M & O is expected for the next 5 year cycle.

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	750,000
Total Project:	750,000

Department: PUBLIC WORKS

Contact: Fernando Ulloa

Project Status: New

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Water Maint & Oper	0	0	0	750,000	0	750,000
Total	0	0	0	750,000	0	750,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	680,000	0	680,000
D - Design	0	0	0	9,000	0	9,000
E - Contingency	0	0	0	60,000	0	60,000
G - General	0	0	0	1,000	0	1,000
Total	0	0	0	750,000	0	750,000

Project #: 13006

Project Name: **Yosemite Ave / RR-xing Pipeline Impr.**

Program Area: PUBLIC UTILITIES

Sub Program: WATER

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	258,000
Total Project:	258,000

Department: PUBLIC WORKS

Contact: Fernando Ulloa

Project Status: New

Description
Install new water pipeline in Yosemite Avenue at the railroad crossing.

Justification
The existing pipeline in Yosemite Avenue that crosses the railroad tracks cannot meet all water demands due to undersized piping. In addition, the existing pipe material is uncoated steel, which is susceptible to failure. New piping that meets current City standards is needed to correct this situation.

Maintenance
No M & O is expected for the next 5 year cycle.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Water Maint & Oper	0	258,000	0	0	0	258,000
Total	0	258,000	0	0	0	258,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	230,000	0	0	0	230,000
D - Design	0	5,000	0	0	0	5,000
E - Contingency	0	22,000	0	0	0	22,000
G - General	0	1,000	0	0	0	1,000
Total	0	258,000	0	0	0	258,000

Project #: 13007

Project Name: **Water Wells 28 & 29**

Program Area: PUBLIC UTILITIES

Sub Program: WATER

Project Summary	
Prior Budget:	85,000
FYE 13/14 Request:	601,000
Future Request:	3,335,000
Total Project:	4,021,000

Department: PUBLIC WORKS

Contact: Fernando Ulloa

Project Status: Existing

Description
The work involves drilling test wells on City-owned property to identify sites with sufficient water quantity and quality. The work also involves properly abandoning Wells 8 & 10, which involves removing valving and piping, removing well casing to 4 feet below the ground surface and pumping grout into the wells. In addition, the work includes drilling, casing and developing the Wells 28 and designing and constructing well buildings, electrical systems, pumping equipment, piping and site improvements.

Justification
Wells 8 and 10 are no longer operational because the water quality at both wells has deteriorated to the point where it is no longer cost-effective to treat the water to state standards. Two replacement wells are needed to maintain water supply for the City's existing customers. Also, per San Joaquin County requirements and CDPH requirements, water wells that are no longer functioning must be properly destroyed to prevent groundwater contamination.

Maintenance
Estimated M & O = $5,000 (FY16), $5,100 (FY17), $5,200 (FY18)

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Water Maint & Oper	601,000	3,335,000	0	0	0	3,936,000
Total	601,000	3,335,000	0	0	0	3,936,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	336,000	3,010,000	0	0	0	3,346,000
D - Design	220,000	0	0	0	0	220,000
E - Contingency	40,000	300,000	0	0	0	340,000
G - General	5,000	25,000	0	0	0	30,000
Total	601,000	3,335,000	0	0	0	3,936,000

Project #: 13029

Project Name: **Well 25 Improvements**

Program Area: PUBLIC UTILITIES

Sub Program: WATER

Description
Purchase land needed to accommodate a filtration treatment system.

Justification
The existing well site property is too small to support a filtration-type treatment system. Additional land is needed to accommodate a filtration treatment system.

Maintenance
No additional M & O is expected for the next 5 year cycle.

Project Summary	
Prior Budget:	73,000
FYE 13/14 Request:	0
Future Request:	0
Total Project:	73,000

Department: PUBLIC WORKS

Contact: Fernando Ulloa

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Water Maint & Oper	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
G - General	0	0	0	0	0	0
P - Planning	0	0	0	0	0	0
R - Right of Way	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 13035

Project Name: **2013 Park Irrigiation Wells**

Program Area: PUBLIC UTILITIES

Sub Program: WATER

Project Summary	
Prior Budget:	292,000
FYE 13/14 Request:	0
Future Request:	0
Total Project:	292,000

Department: PUBLIC WORKS

Contact: Fernando Ulloa

Project Status: Existing

Description
This is an ongoing project to install non-potable groundwater wells at various City parks for irrigation.

Justification
Many City parks are irrigated with water from the City's potable water system. Water treated to potable standards is expensive and needs to be reserved for potable uses. Treatment costs can be saved by irrigating the parks with non-potable water. Also, most parks are irrigated in the early morning hours, including the peak morning hours when customers demand the most water. By using irrigation wells, the water previously used for turf irrigation will be used to meet peak hour demands.

Maintenance
Estimated M & O = $500 (FY14), $510 (FY15), $520 (FY16), $530 (FY17), $540 (FY18)

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Water Maint & Oper	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 13037

Project Name: **Sensus Automated Meter Upgrades**

Program Area: PUBLIC UTILITIES

Sub Program: WATER

Project Summary	
Prior Budget:	260,000
FYE 13/14 Request:	420,000
Future Request:	0
Total Project:	680,000

Department: PUBLIC WORKS

Contact: Eric Medeiros

Project Status: Existing

Description
We have been upgrading our existing water meters for remote data collection, a practice that utilizes our existing equipment. One meter company, Sensus Meters, is discontinuing its line of mechanical registers for new electronic LCD registers during this fiscal year. We would like to upgrade this these meters (approximately 3000) with mechanical registers before they are discontinued.

Justification
We currently replace the old water meter register with a mechanical Automated Meter Read (AMR) register and install a radio transmitter to broadcast the data. The mechanical AMR register provides the water consumption value in addition to and separate from the "radio read" value (the values should be the same). This is important when we have a consumption dispute with a customer. The "separate" manual read reinforces the radio read value and is difficult to dispute. It has been our experience that many customers disputing their water consumption place little confidence in electronic meter reads.

Maintenance
No M & O is expected for the next 5 year cycle.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Water Maint & Oper	420,000	0	0	0	0	420,000
Total	420,000	0	0	0	0	420,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Q - Equipment	420,000	0	0	0	0	420,000
Total	420,000	0	0	0	0	420,000

Project #: 14007

Project Name: **Water Line Replacement - Area 6**

Program Area: PUBLIC UTILITIES

Sub Program: WATER

Description
Install new water pipelines in Area 6 of the City as described in the Water Master Plan.

Justification
The existing pipelines in Area 6 cannot meet all water demands due to undersized pipes. New, larger diameter pipes are needed to correct this situation.

Maintenance
No M & O is expected for the next 5 year cycle.

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	110,000
Total Project:	110,000

Department: PUBLIC WORKS

Contact: Fernando Ulloa

Project Status: New

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Water Maint & Oper	0	0	110,000	0	0	110,000
Total	0	0	110,000	0	0	110,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	100,000	0	0	100,000
D - Design	0	0	2,000	0	0	2,000
E - Contingency	0	0	7,500	0	0	7,500
G - General	0	0	500	0	0	500
Total	0	0	110,000	0	0	110,000

Project #: 14008

Project Name: **Woodward Av Surface Water Pipeline-Ph 1**

Program Area: PUBLIC UTILITIES

Sub Program: WATER

Description
Construct a water pipeline in Woodward Avenue from Moffat Blvd to Atherton Drive.

Justification
Additional pipeline infrastructure is needed to ensure equal distribution of surface water to all parts of Manteca.

Maintenance
No M & O is expected for the next 5 year cycle.

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	735,000
Total Project:	735,000

Department: PUBLIC WORKS

Contact: Fernando Ulloa

Project Status: New

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Water Maint & Oper	0	0	0	735,000	0	735,000
Total	0	0	0	735,000	0	735,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	650,000	0	650,000
D - Design	0	0	0	15,000	0	15,000
E - Contingency	0	0	0	65,000	0	65,000
G - General	0	0	0	5,000	0	5,000
Total	0	0	0	735,000	0	735,000

Project #: 14009

Project Name: **Woodward Av Surface Water Pipeline-Ph 2**

Program Area: PUBLIC UTILITIES

Sub Program: WATER

Description
Construct a water pipeline in Woodward Avenue from Atherton Drive to Van Ryn.

Justification
Additional pipeline infrastructure is needed to ensure equal distribution of surface water to all parts of Manteca.

Maintenance
No M & O is expected for the next 5 year cycle.

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	580,000
Total Project:	580,000

Department: PUBLIC WORKS

Contact: Fernando Ulloa

Project Status: New

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Water Maint & Oper	0	0	0	580,000	0	580,000
Total	0	0	0	580,000	0	580,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	500,000	0	500,000
D - Design	0	0	0	20,000	0	20,000
E - Contingency	0	0	0	50,000	0	50,000
G - General	0	0	0	10,000	0	10,000
Total	0	0	0	580,000	0	580,000

Project #: 14021

Project Name: **Test Wells - New Development**

Program Area: PUBLIC UTILITIES

Sub Program: WATER

Description
Drill and develop test wells at various new development sites.

Justification
Many new development projects are required to reserve a location for a new water well to serve future growth. A test well at the proposed well location needs to be drilled to verify the site has sufficient water quantity and adequate water quality to be a sustainable well site.

Maintenance
No M & O is expected for the next 5 year cycle.

Project Summary

Prior Budget:	0
FYE 13/14 Request:	112,000
Future Request:	448,000
Total Project:	560,000

Department: PUBLIC WORKS

Contact: Fernando Ulloa

Project Status: New

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
PFIP - Water	112,000	0	224,000	0	224,000	560,000
Total	112,000	0	224,000	0	224,000	560,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	97,000	0	194,000	0	194,000	485,000
D - Design	15,000	0	30,000	0	30,000	75,000
Total	112,000	0	224,000	0	224,000	560,000

Project #: 14023

Project Name: **Hydraulic Water Model Update**

Program Area: PUBLIC UTILITIES

Sub Program: WATER

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	175,000
Future Request:	0
Total Project:	175,000

Department: PUBLIC WORKS

Contact: Fernando Ulloa

Project Status: New

Description
Update the City's existing hydraulic water model.

Justification
The City's computerized hydraulic model (Model) of its water distribution system is about 20 years old, and it uses a highly skeletonized approximation of the City's water system to analyze the system. Modeling technology has improved such that virtually every pipeline and fixture can be included in the model, thereby improving modeling accuracy. Also, today's modeling technology includes dynamic extended period simulations (EPS) that use multiple 24-hour demand patterns combined with multiple water source control settings. The EPS functions allow for simulation of tanks filling and draining over multiple days, estimation of water age within the distribution system, review of system operations to improve energy efficiency, and tracking of water quality parameters such as chlorine residual.

Maintenance
Estimated software licensing fees = $1,500 (FY14), $1,600 (FY15), $1,500 (FY16), $1,700 (FY17), $1,800 (FY18)

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Water Maint & Oper	175,000	0	0	0	0	175,000
Total	175,000	0	0	0	0	175,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
D - Design	175,000	0	0	0	0	175,000
Total	175,000	0	0	0	0	175,000

Project #: 14024

Project Name: **Airport Way / SR120 Water Line**

Program Area: PUBLIC UTILITIES

Sub Program: WATER

Description
Install a new water line across SR120 in the vicinity of the Airport Rd / SR120 interchange.

Justification
Connecting the existing water network north of SR120 with the existing water pipe network south of SR120 increases reliability, improves fire flows, increases system pressures and allows more surface water to to flow to more locations throughout the City.

Maintenance
No M & O is expected for the next 5 year cycle.

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	60,000
Future Request:	305,000
Total Project:	365,000

Department: PUBLIC WORKS

Contact: Fernando Ulloa

Project Status: New

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Water Maint & Oper	60,000	305,000	0	0	0	365,000
Total	60,000	305,000	0	0	0	365,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	275,000	0	0	0	275,000
D - Design	50,000	0	0	0	0	50,000
E - Contingency	0	30,000	0	0	0	30,000
G - General	10,000	0	0	0	0	10,000
Total	60,000	305,000	0	0	0	365,000

Project #: 14025

Project Name: **M2/M3 Tank Site Improvements**

Program Area: PUBLIC UTILITIES

Sub Program: WATER

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	435,000
Future Request:	0
Total Project:	435,000

Department: PUBLIC WORKS

Contact: Fernando Ulloa

Project Status: New

Description

Justification
Install piping and flow control on the sites to by-pass the tanks for direct connection with the City's potable water network; and install booster pumps at Wells 12 and 15 to increase surface water flows to these wells.

Maintenance
Estimated M & O = $500 (FY14), $510 (FY15), $520 (FY16), $530 (FY17), $540 (FY18)

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Water Maint & Oper	435,000	0	0	0	0	435,000
Total	435,000	0	0	0	0	435,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	325,000	0	0	0	0	325,000
D - Design	65,000	0	0	0	0	65,000
E - Contingency	30,000	0	0	0	0	30,000
G - General	15,000	0	0	0	0	15,000
Total	435,000	0	0	0	0	435,000

Project #: 15002

Project Name: **Water Line Replacement - Area 10**

Program Area: PUBLIC UTILITIES

Sub Program: WATER

Description
Install new water pipelines in Area 10 of the City as described in the Water Master Plan.

Justification
The existing pipelines in Area 10 cannot meet all water demands due to undersized pipes. New, larger diameter pipes are needed to correct this situation.

Maintenance
No M & O is expected for the next 5 year cycle.

Project Summary

Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	211,000
Total Project:	211,000

Department: PUBLIC WORKS

Contact: Fernando Ulloa

Project Status: New

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Water Maint & Oper	0	0	0	211,000	0	211,000
Total	0	0	0	211,000	0	211,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	190,000	0	190,000
D - Design	0	0	0	3,000	0	3,000
E - Contingency	0	0	0	17,000	0	17,000
G - General	0	0	0	1,000	0	1,000
Total	0	0	0	211,000	0	211,000

Project #: 15003

Project Name: **M1 Surface Water Storage Tank & Pump Fclt.**

Program Area: PUBLIC UTILITIES

Sub Program: WATER

Project Summary	
Prior Budget:	130,000
FYE 13/14 Request:	0
Future Request:	2,821,000
Total Project:	2,951,000

Department: PUBLIC WORKS

Contact: Fernando Ulloa

Project Status: Existing

Description
Construct a 1 million gallon, water storage tank and pumping facility similar to the facilities at M2 and M3. Phase 1 of the project involves installing two of the pumps such that water can be pumped directly from the surface water pipeline into the City's water distribution system. Phase 2 involves constructing the storage tank and the remainder of the pumping facility.

Justification
During the spring, summer and fall months, a tremendous amount of water is used from 5:00 AM to 8:00 AM and from 6:00 PM to 9:00 PM. These time frames are known as peak demand periods. Storing water during off-peak periods, then pumping the water into the water distribution system is a cost-effective way of meeting peak demands.

Maintenance
Estimated M & O = $7,000 (FY17), $7,000 (FY18)

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
PFIP - Water	0	0	203,000	0	2,618,000	2,821,000
Total	0	0	203,000	0	2,618,000	2,821,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	185,000	0	2,000,000	2,185,000
D - Design	0	0	0	0	200,000	200,000
E - Contingency	0	0	18,000	0	200,000	218,000
G - General	0	0	0	0	18,000	18,000
M - Management	0	0	0	0	200,000	200,000
P - Planning	0	0	0	0	0	0
Total	0	0	203,000	0	2,618,000	2,821,000

Project #: 15004

Project Name: **Woodward Av Surface Water Pipeline-Ph 3**

Program Area: PUBLIC UTILITIES

Sub Program: WATER

Description
Construct a water pipeline in Woodward Avenue from Van Ryn to Well 20.

Justification
Reduce arsenic treatment costs at Well 20 by blending the well water with surface water.

Maintenance
No M & O is expected for the next 5 year cycle.

Project Summary

Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	745,000
Total Project:	745,000

Department: PUBLIC WORKS

Contact: Fernando Ulloa

Project Status: New

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Water Maint & Oper	0	0	0	0	745,000	745,000
Total	0	0	0	0	745,000	745,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	650,000	650,000
D - Design	0	0	0	0	25,000	25,000
E - Contingency	0	0	0	0	65,000	65,000
G - General	0	0	0	0	5,000	5,000
Total	0	0	0	0	745,000	745,000

Project #: 15005

Project Name: **Van Ryn Surface Water Pipeline**

Program Area: PUBLIC UTILITIES

Sub Program: WATER

Description
Construct a water pipeline in Van Ryn from Woodward Avenue to Well 24.

Justification
Reduce arsenic treatment costs at Well 24 by blending the well water with surface water.

Maintenance
No M & O is expected for the next 5 year cycle.

Project Summary

Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	607,000
Total Project:	607,000

Department: PUBLIC WORKS

Contact: Fernando Ulloa

Project Status: New

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Water Maint & Oper	0	0	0	0	607,000	607,000
Total	0	0	0	0	607,000	607,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	525,000	525,000
D - Design	0	0	0	0	25,000	25,000
E - Contingency	0	0	0	0	52,000	52,000
G - General	0	0	0	0	5,000	5,000
Total	0	0	0	0	607,000	607,000

Project #: 15008

Project Name: **Water System Alternative Energy Development**

Program Area: PUBLIC UTILITIES

Sub Program: WATER

Description
Plan, design and construct alternative energy projects for the potable water system to reduce energy costs. Potential projects include photo-voltaic solar farm; and small photo-voltaic solar installations at individual well sites.

Justification
Photo-voltaic solar systems have the potential to supply most of the water system's electricity needs at significantly lower costs than primary utility power.

Maintenance
M & O costs will be estimated after the method of energy generation is identified.

Project Summary

Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	4,040,000
Total Project:	4,040,000

Department: PUBLIC WORKS

Contact: Fernando Ulloa

Project Status: New

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Water Maint & Oper	0	190,000	1,870,000	1,980,000	0	4,040,000
Total	0	190,000	1,870,000	1,980,000	0	4,040,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	1,700,000	1,800,000	0	3,500,000
D - Design	0	165,000	0	0	0	165,000
E - Contingency	0	0	170,000	180,000	0	350,000
G - General	0	25,000	0	0	0	25,000
Total	0	190,000	1,870,000	1,980,000	0	4,040,000

Project #: 10007

Project Name: **Atherton Gap Closure - Main to Van Ryn**

Program Area: TRANSPORTATION

Sub Program: STREETS

Description
ATHERTON EAST GAP CLOSURE - Main to Van Ryn
Construction of an arterial road with a traffic signal at Main/Atherton.

Justification
Completes Atherton Drive, between Union Road and Woodward Avenue.

Maintenance
Estimated M & O = $25,000 (FY14), $25,000 (FY15), $25,000 (FY16), $25,000 (FY17), $25,000 (FY18)

Project Summary	
Prior Budget:	3,561,880
FYE 13/14 Request:	0
Future Request:	0
Total Project:	3,561,880

Department: PUBLIC WORKS

Contact: Jason DeGroot

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
PFIP - Transportation	0	0	0	0	0	0
RSTP_PW	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
	0	0	0	0	0	0
C - Construction	0	0	0	0	0	0
D - Design	0	0	0	0	0	0
G - General	0	0	0	0	0	0
P - Planning	0	0	0	0	0	0
R - Right of Way	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 10015

Project Name: **W. Louise / UPRR Widening**

Program Area: TRANSPORTATION

Sub Program: STREETS

Description
Acquiring right of way from PG& E and the relocation of PG&E facilities. Widening of West Louise Avenue to full 84' arterial improvements. UPRR to relocate and install crossing devices.

Justification
Widening of West Louise Avenue to four lanes with adjacent curb, gutter and sidwalk. Current roadway is two lanes wide at UPRR with no sidewalk.

Maintenance
No M & O is expected for the next 5 year cycle.

Project Summary	
Prior Budget:	462,265
FYE 13/14 Request:	0
Future Request:	0
Total Project:	462,265

Department: PUBLIC WORKS

Contact: Jason DeGroot

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
LTF_PW	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
R - Right of Way	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 10020

Project Name: **99/120 Interchange Landscape**

Program Area: TRANSPORTATION

Sub Program: STREETS

Description

Justification

Maintenance
No City M & O costs associated with this improvement as Caltrans is responsible for maintenance.

Project Summary

Prior Budget:	909,570
FYE 13/14 Request:	0
Future Request:	0
Total Project:	909,570

Department: PUBLIC WORKS

Contact: Fernando Ulloa

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Subsidized Street	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
E - Contingency	0	0	0	0	0	0
M - Management	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 11027

Project Name: **Airport - Yosemite to Daniels**

Program Area: TRANSPORTATION

Sub Program: STREETS

Description
Addition of left-turn lane to increase volume and safety.

Justification
Need to increase volume on Airport as it is designated a regional roadway in the County-wide system.

Maintenance
No M & O is expected for the next 5 year cycle.

Project Summary	
Prior Budget:	1,960,000
FYE 13/14 Request:	0
Future Request:	0
Total Project:	1,960,000

Department: PUBLIC WORKS

Contact: Jason DeGroot

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Measure K_PW	0	0	0	0	0	0
PFIP - Transportation	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 11029

Project Name: **Street Light Retrofit Project**

Program Area: TRANSPORTATION

Sub Program: STREETS

Description
Retrofit existing street lights with high-efficiency induction lamps.

Justification
Retrofitting all City street lights will save an estimated $150,000 per year in energy costs.

Maintenance
No additional M & O is expected for the next 5 year cycle.

Project Summary	
Prior Budget:	1,423,705
FYE 13/14 Request:	0
Future Request:	0
Total Project:	1,423,705

Department: PUBLIC WORKS

Contact: Phil Govea

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
CDBG_PW	0	0	0	0	0	0
LTF_PW	0	0	0	0	0	0
Subsidized Street	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
	0	0	0	0	0	0
C - Construction	0	0	0	0	0	0
Q - Equipment	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 11034

Project Name: **120 / McKinley Interchange**

Program Area: TRANSPORTATION

Sub Program: STREETS

Description
The project will construct ramps and widen McKinley Ave to provide a new Interchange on Hwy 120.

Justification

Maintenance
No M & O is expected for the next 5 year cycle.

Project Summary	
Prior Budget:	3,599,605
FYE 13/14 Request:	0
Future Request:	0
Total Project:	3,599,605

Department: PUBLIC WORKS

Contact: Jason DeGroot

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
RDA_RD	0	0	0	0	0	0
RTIF	0	0	0	0	0	0
TEA	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
	0	0	0	0	0	0
C - Construction	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 11035

Project Name: **Existing Austin / SR99 Interch. Impr.**

Program Area: TRANSPORTATION

Sub Program: STREETS

Project Summary	
Prior Budget:	264,000
FYE 13/14 Request:	2,000,000
Future Request:	0
Total Project:	2,264,000

Department: PUBLIC WORKS

Contact: Jason DeGroot

Project Status: Existing

Description
Modifications to the existing Austin Road / SR99 Interchange to allow development of Phase 1 of the Austin Road Business Park.

Justification
Improvements are required to provide capacity for traffic generated by the proposed Austin Road Business Park Phase 1.

Maintenance
No M & O is expected for the next 5 year cycle.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Development Agreement Fees_PW	0	0	0	0	0	0
Unfunded_PW	2,000,000	0	0	0	0	2,000,000
Total	2,000,000	0	0	0	0	2,000,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
	0	0	0	0	0	0
C - Construction	2,000,000	0	0	0	0	2,000,000
Total	2,000,000	0	0	0	0	2,000,000

Project #: 11037

Project Name: **Annual Curb, Gutter & Sidewalk**

Program Area: TRANSPORTATION

Sub Program: STREETS

Project Summary	
Prior Budget:	259,925
FYE 13/14 Request:	(150,000)
Future Request:	0
Total Project:	109,925

Department: PUBLIC WORKS

Contact: Jason DeGroot

Project Status: Existing

Description
Annual project to install curb, gutter, and sidewalk in areas of the City without these facilities. Funding from Alley Paving (CIP 11076) and E. Yosemite Sidewalk (CIP 10012) moved to this project (FY13).
$150,000 being transferred to CIP #14026 (Manteca Pedestrian Crossing Improvements) in FY14

Justification
Improves pedestrian safety and conveys storm drainage away from properties.

Maintenance
No M & O is expected for the next 5 year cycle.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Development Agreement Fees_PW	0	0	0	0	0	0
LTF_PW	(150,000)	0	0	0	0	(150,000)
Total	(150,000)	0	0	0	0	(150,000)

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	(150,000)	0	0	0	0	(150,000)
Total	(150,000)	0	0	0	0	(150,000)

Project #: 11069

Project Name: **120 and 99 Corridor Landscape**

Program Area: TRANSPORTATION

Sub Program: STREETS

Description
Beautify the 120 and 99 corridors by installing landscaping. Installation of landscaping is complete. Plant establishment period is underway.

Justification
ARRA TEA money available Spring 2010

Maintenance
No City M & O costs associated with this improvement as Caltrans is responsible for maintenance.

Project Summary	
Prior Budget:	2,375,000
FYE 13/14 Request:	0
Future Request:	0
Total Project:	2,375,000

Department: PUBLIC WORKS

Contact: Fernando Ulloa

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Subsidized Street	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
M - Management	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 11080

Project Name: **Atherton W. Gap Closure - Airport to Union**

Program Area: TRANSPORTATION

Sub Program: STREETS

Description
Design of arterial roadway.

Justification
Gap closures are necessary to provide usable links within the circulation network and to promote the movement of people, goods and services.

Maintenance
No M & O is expected for the next 5 year cycle.

Project Summary

Prior Budget:	2,665,000
FYE 13/14 Request:	0
Future Request:	0
Total Project:	2,665,000

Department: PUBLIC WORKS

Contact: Frederic Clark

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
PFIP - Transportation	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
D - Design	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 12034

Project Name: **Downtown ADA & Parking Lot Improvements**

Program Area: TRANSPORTATION

Sub Program: STREETS

Project Summary	
Prior Budget:	110,980
FYE 13/14 Request:	0
Future Request:	0
Total Project:	110,980

Department: PUBLIC WORKS

Contact: Phil Govea

Project Status: Existing

Description
Rehabilitation of paving, striping, sidewalks, landscape, planters, lighting, curb ramps and related public facilities, and install trash enclosures and related facilities in City-owned parking lots in the downtown area. This is the CDBG project MAN 11-07.

Justification
Facilities are in a state of disrepair and need rehabilitation.

Maintenance
No M & O is expected for the next 5 year cycle.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
CDBG_PW	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 12040

Project Name: **Louise Avenue Prop 1B Rehab**

Program Area: TRANSPORTATION

Sub Program: STREETS

Description
Rehabilitate Louise Avenue between Main Street and the eastern city limits.

Justification
Pavement in need of rehabilitation due to condition.

Maintenance
No M & O is expected for the next 5 year cycle.

Project Summary	
Prior Budget:	967,442
FYE 13/14 Request:	0
Future Request:	0
Total Project:	967,442

Department: PUBLIC WORKS

Contact: Jason DeGroot

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Subsidized Street	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 12042

Project Name: **Commerce Court Sidewalk Project**

Program Area: TRANSPORTATION

Sub Program: STREETS

Description
Install sidewalks to the new Social Security Administration facility.

Justification
Provide access via sidewalks to new facility.

Maintenance
No M & O is expected for the next 5 year cycle.

Project Summary	
Prior Budget:	62,500
FYE 13/14 Request:	0
Future Request:	0
Total Project:	62,500

Department: PUBLIC WORKS

Contact: Jason DeGroot

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
LTF_PW	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 13028

Project Name: **Louise / Northgate RSTP Pavement Rest.**

Program Area: TRANSPORTATION

Sub Program: STREETS

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	650,000
Total Project:	650,000

Department: PUBLIC WORKS

Contact: Jason DeGroot

Project Status: Existing

Description
This project will rehabilitate, replace, or restore pavement that is aging, or beginning to fail. The project may include a combination of pavement maintenance methods including; full reconstruction, grind and overlay, thin overlay, cape seal or slurry seal. The actual method and extent of the area improved will be dictated by pavement conditions identified during final design. The project is intended to enhance or replace existing pavement, but is not intended to widen or provide new road capacity. The project will also replace (and may modify) existing traffic striping and/or markings, but is not expected to modify any sidewalk, or other off street pedestrian facilities, although some minor exceptions may be included if appropriate.

Justification
This project is funded with an allocation of Federal Regional Surface Transportation Program (RSTP) funds. These funds are distributed on a formulaic basis by SJCOG. Projects utilizing these funds must meet all federal environmental regulations. Therefore, these funds are used primarily for larger pavement maintenance projects which require minimal environmental review.

Maintenance
No M & O is expected for the next 5 year cycle.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
RSTP_PW	0	650,000	0	0	0	650,000
Total	0	650,000	0	0	0	650,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	650,000	0	0	0	650,000
Total	0	650,000	0	0	0	650,000

Project #: 13032

Project Name: **New Austin Road / SR99 Interchange**

Program Area: TRANSPORTATION

Sub Program: STREETS

Description
Replace the existing Austin Road / SR99 interchange with a new, larger interchange.

Justification
The existing Austin Road / SR99 interchange is near capacity and does not meet Caltrans design standards. A new interchange is necessary to improve safety of the interchange and the highway mainline, as well as to accommodate future growth projected by in the General Plan.

Maintenance
No M & O is expected for the next 5 year cycle.

Project Summary	
Prior Budget:	210,000
FYE 13/14 Request:	150,000
Future Request:	0
Total Project:	360,000

Department: PUBLIC WORKS

Contact: Jason DeGroot

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
PFIP - Transportation	150,000	0	0	0	0	150,000
Total	150,000	0	0	0	0	150,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
P - Planning	150,000	0	0	0	0	150,000
Total	150,000	0	0	0	0	150,000

Project #: 13033

Project Name: **2013 Annual Pavement Maintenance**

Program Area: TRANSPORTATION

Sub Program: STREETS

Project Summary	
Prior Budget:	345,000
FYE 13/14 Request:	0
Future Request:	0
Total Project:	345,000

Department: PUBLIC WORKS

Contact: Jason DeGroot

Project Status: Existing

Description
Pavement Maintenance including asphalt overlays, slurry seals, digouts, base repair, and other pavement repairs at various locations throught the City in accordance with the recommendations of the City Pavement Management Program.

Justification
Maintain pavement condition and maximize effectiveness of pavement maintenance funding to minimize long term maintenance costs and prevent roadway deterioration.

Maintenance
No M & O is expected for the next 5 year cycle.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Measure K_PW	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 13034

Project Name: **Downtown Curb, Gutter & Sidewalk Impr.**

Program Area: TRANSPORTATION

Sub Program: STREETS

Description
Addition and/or rehabilitation of curb, gutter & sidewalk in the downtown area. This is the CDBG project MAN 12-05.

Justification
Facilities are in a state of disrepair and need rehabilitation.

Maintenance
No M & O is expected for the next 5 year cycle.

Project Summary	
Prior Budget:	26,980
FYE 13/14 Request:	0
Future Request:	0
Total Project:	26,980

Department: PUBLIC WORKS

Contact: Phil Govea

Project Status: Existing

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
CDBG_PW	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 13036

Project Name: **Louise Ave Median Beautification & Bicycle Enhancements**

Program Area: TRANSPORTATION

Sub Program: STREETS

Project Summary	
Prior Budget:	100,000
FYE 13/14 Request:	0
Future Request:	0
Total Project:	100,000

Department: PUBLIC WORKS

Contact: Jason DeGroot

Project Status: Existing

Description
Install new medians with trees along Louise Avenue from Airport Way to beyond the Tidewater Bike Path. In addition, Louise Ave. would be slurry sealed and striped to include new bike lanes that would tie into the Tidewater Bike Path.

Justification
With the passage of the new transportation bill, the previous federal Transportation Enhancement (TE) program has been absolved. The state has, however, agreed to allow federal funding under the new Transportation Alternatives Program (TAP) to flow through the State Transportation Improvement Program (STIP) to support previously programmed TE projects for the current 2012/13 fiscal year. Based upon this action and the large balance of prior year TE apportionments, the California Transportation Commission (CTC) is allowing the advancement of funding for previously programmed future year TE projects, including TE reserves. City staff identified the Louise Avenue Median Beautification and Bicycle Enhancements Project as a candidate for these funds. CIP will be amended once the funds have been secured.

Maintenance
No M & O is expected for the next 5 year cycle.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Measure K_PW	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
D - Design	0	0	0	0	0	0
Total	0	0	0	0	0	0

Project #: 14011

Project Name: **Yosemite Ave RSTP Pavement Restoration**

Program Area: TRANSPORTATION

Sub Program: STREETS

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	450,000
Total Project:	450,000

Department: PUBLIC WORKS

Contact: Mark Houghton

Project Status: New

Description
This project will rehabilitate, replace, or restore pavement that is aging, or beginning to fail. The project may include a combination of pavement maintenance methods including; full reconstruction, grind and overlay, thin overlay, cape seal or slurry seal. The actual method and extent of the area improved will be dictated by pavement conditions identified during final design. The project is intended to enhance or replace existing pavement, but is not intended to widen or provide new road capacity. The project will also replace (and may modify) existing traffic striping and/or markings, but is not expected to modify any sidewalk, or other off street pedestrian facilities, although some minor exceptions may be included if appropriate.

Justification
This project is funded with an allocation of Federal Regional Surface Transportation Program (RSTP) funds. These funds are distributed on a formulaic basis by SJCOG. Projects utilizing these funds must meet all federal environmental regulations. Therefore, these funds are used primarily for larger pavement maintenance projects which require minimal environmental review.

Maintenance
No M & O is expected for the next 5 year cycle.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
RSTP_PW	0	450,000	0	0	0	450,000
Total	0	450,000	0	0	0	450,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	450,000	0	0	0	450,000
Total	0	450,000	0	0	0	450,000

Project #: 14014

Project Name: **2014 Annual Pavement Maintenance**

Program Area: TRANSPORTATION

Sub Program: STREETS

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	500,000
Future Request:	0
Total Project:	500,000

Department: PUBLIC WORKS

Contact: Jason DeGroot

Project Status: New

Description
Pavement Maintenance including asphalt overlays, slurry seals, digouts, base repair, and other pavement repairs at various locations throught the City in accordance with the recommendations of the City Pavement Management Program.

Justification
Maintain pavement condition and maximize effectiveness of pavement maintenance funding to minimize long term maintenance costs and prevent roadway deterioration.

Maintenance
No M & O is expected for the next 5 year cycle.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Measure K_PW	500,000	0	0	0	0	500,000
Total	500,000	0	0	0	0	500,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	500,000	0	0	0	0	500,000
Total	500,000	0	0	0	0	500,000

Project #: 14026

Project Name: **Manteca Pedestrian Crossing Improvements**

Program Area: TRANSPORTATION

Sub Program: STREETS

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	150,000
Future Request:	0
Total Project:	150,000

Department: PUBLIC WORKS

Contact: Jason DeGroot

Project Status: New

Description
Pedestrian Crossing Improvements on Atherton Drive and Woodward Avenue. $150,000 being transferred from CIP #11037 (Annual Curb, Gutter & Sidewalk).

Justification
Council is requesting pedestrian improvements on Atherton Drive and Woodward Avenue. Design is underway and funds are needed to construct the improvements once design is complete.

Maintenance

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
LTF_PW	150,000	0	0	0	0	150,000
Total	150,000	0	0	0	0	150,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	150,000	0	0	0	0	150,000
Total	150,000	0	0	0	0	150,000

Project #: 15007

Project Name: **2015 Annual Pavement Maintenance**

Program Area: TRANSPORTATION

Sub Program: STREETS

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	500,000
Total Project:	500,000

Department: PUBLIC WORKS

Contact: Jason DeGroot

Project Status: New

Description
Pavement Maintenance including asphalt overlays, slurry seals, digouts, base repair, and other pavement repairs at various locations throught the City in accordance with the recommendations of the City Pavement Management Program.

Justification
Maintain pavement condition and maximize effectiveness of pavement maintenance funding to minimize long term maintenance costs and prevent roadway deterioration.

Maintenance
No M & O is expected for the next 5 year cycle.

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Measure K_PW	0	500,000	0	0	0	500,000
Total	0	500,000	0	0	0	500,000

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	500,000	0	0	0	500,000
Total	0	500,000	0	0	0	500,000

Project #: 15009

Project Name: **WANCO Message Boards**

Program Area: TRANSPORTATION

Sub Program: STREETS

Description
Trailer mounted, lighted message boards, for displaying message to the public in regards to road closures, hazards, events ,etc.

Justification
Currently when we needs these boards, we rent them from Safe-t-lite on a weekly basis or on a daily basis for an even higher cost

Maintenance

Project Summary	
Prior Budget:	0
FYE 13/14 Request:	0
Future Request:	38,185
Total Project:	38,185

Department: PUBLIC WORKS

Contact: Dave Frank

Project Status: New

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Gas Tax	0	38,185	0	0	0	38,185
Total	0	38,185	0	0	0	38,185

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Q - Equipment	0	38,185	0	0	0	38,185
Total	0	38,185	0	0	0	38,185

City of Manteca
Capital Improvement Plan

Fiscal Years 2014 - 2018

Project #: 595006

Project Name: **SR 99/Yosemite Ave. Landscaping**

Program Area: TRANSPORTATION

Sub Program: STREETS

Project Summary	
Prior Budget:	424,664
FYE 13/14 Request:	0
Future Request:	0
Total Project:	424,664

Department: PUBLIC WORKS

Contact: Fernando Ulloa

Project Status: Existing

Description
Installation of irrigation system and landscaping at the 99/Yosemite Ave. Interchange. Installation of irrigation system and landscaping is complete. Plant establishment period is underway.

Justification
Beautification of the interchange.

Maintenance
Estimated M & O = $50,000 (FY13), $50,000 (FY14), $50,000 (FY15), $50,000 (FY16), $50,000 (FY17)

Funding By Source	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
Measure K_PW	0	0	0	0	0	0
Total	0	0	0	0	0	0

Cost By Phase	Proposed FYE 13/14	Proposed FYE 14/15	Proposed FYE 15/16	Proposed FYE 16/17	Proposed FYE 17/18	Total
C - Construction	0	0	0	0	0	0
Total	0	0	0	0	0	0