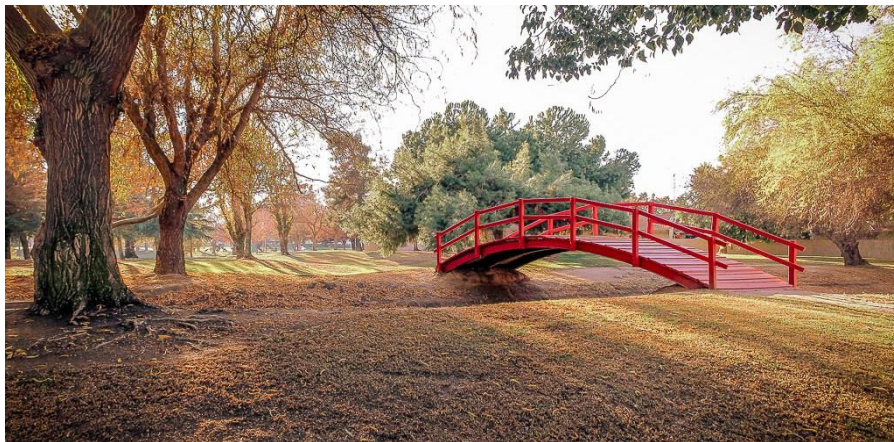




City of Madera

Capital Improvement Plan (CIP)



Fiscal Years 2018-19 to 2022-23

Capital Improvement Plan Fiscal Years 2018-19 to 2022-23

As part of the City of Madera's budget funding for the Capital Improvement Plan (CIP), the five-year plan is prepared and organized by staff from the Engineering Department, and presented to the Planning Commission for conformity.

The following criteria were followed in creating the CIP:

- 1. Projects represent Improvements, Studies or Tasks that may advance a physical development**
- 2. Projects cycle through five (5) year timeframe**
- 3. Projects budget a minimum of \$5,000**

The Plan is composed of departmental needs that focus on city objectives and fiscal capacity, a coordination of efforts to increase efficiencies, and as an information source for the public.

Projects included in the CIP involve the Airport, Community Development, Engineering, Parks and Community Services, Water, Sewer and Drainage (Public Works), Transit, Fire Safety and Successor Agency Departments within the city.

The CIP is a progressive and continuous plan that is updated annually and presented to Council for input, direction and approval. The CIP is a useful planning tool to match projects with programmed funds and ultimately, be included in the annual budget proposals.

The Engineering Division enters the information needed to generate the attached report utilizing software program, Plan-It.

City of Madera, California

Capital Plan

'18/'19 thru '22/'23

PROJECTS BY DEPARTMENT

Department	Project #	Priority	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Airport								
AIP-0028 T-Hangar Development Phase 1	AIP-0028	1		75,000	655,000			730,000
AIP-0029 Tee Hangar Development Const-II	AIP-0029	1			70,000	729,000		799,000
AIP-0031 Apron & Taxiway Drainage	AIP-0031	1	70,000	744,000				814,000
AIP-0034 Commercial Hangar Develop Extend-III	AIP-0034	1				155,000	2,550,600	2,705,600
AIP-0035 Extend Runway 12-30 & Taxiway P	AIP-0035	1					620,000	620,000
AIP-0036 Airport Gate Security Update	AIP-0036	1		373,000				373,000
AIP-0037 AGIS Survey & Obstruction Mitigation	AIP-0037	1	125,000	280,000				405,000
Airport Total			195,000	1,472,000	725,000	884,000	3,170,600	6,446,600
Community Development								
CD-00001 City Hall Relocation & Expansion	CD-00001	1				0	19,883,000	19,883,000
Community Development Total						0	19,883,000	19,883,000
Engineering								
ALY-0001 Torres Way Alley Paving	ALY-0001	1	15,000	185,000				200,000
ALY-002 Alley Paving-Variou Locations	ALY-0002	1	751,000					751,000
B-000002 Westberry Bridge Construction	B-000002	3				500,000	2,000,000	2,500,000
B-000004 BPMP Rehab/Repair of 3 Bridges	B-000004	1	188,000					188,000
ENG-000C Traffic Warrants	ENG-000C	1	25,000	25,000	25,000	25,000	25,000	125,000
ENG-000G Micro-Paver Distress Survey	ENG-000G	1	5,000					5,000
MUP-UDII Master Utility Plan Update, II	MUP-UDII	1					475,000	475,000
R-000010 Olive Ave Widening-Gateway to Knox	R-000010	1	7,579,125					7,579,125
R-000031 Contingency / Project Administration	R-000031	1	160,000	160,000	160,000	160,000	160,000	800,000
R-000032 UPPR Crossing - Street Approach	R-000032	1	50,000	80,000	80,000	80,000	80,000	370,000
R-000037 Raymond Rd Shoulder-n/o Cleveland	R-000037	1	282,000					282,000
R-000038 Gateway/Central/3rd/E St Sidewalks	R-000038	1	451,000					451,000
R-000041 Concrete Projects - Share Program	R-000041	1	75,000	20,000	20,000	20,000	20,000	155,000
R-000046 Lake St Widening-Fourth to Cleveland	R-000046	1	64,000		936,000		2,822,000	3,822,000
R-000049 Olive Ave Concept Plan	R-000049	1	12,000					12,000
R-000050 Pine St Reconstr-Howard to Fourth St	R-000050	1			515,000			515,000
R-000054 Cleveland Ave Widen-Schnoor to SR99	R-000054	1		60,500		0		60,500
R-000057 Lake-Fourth-Central Intersection	R-000057	1	260,000	1,607,000				1,867,000
R-000058 Schnoor Ave Sidewalk-Sunset to River	R-000058	1			22,000	128,000		150,000
R-000060 Storey Rd Shoulder Paving	R-000060	1		31,000	275,000			306,000
R-000062 Sidewalks-School & Commercial	R-000062	1	281,000					281,000
R-000064 ADA Walkability Sidewalks 16-17	R-000064	1	5,000	35,000			60,000	100,000
R-000065 2017-18 City Streets 3R & ADA Project	R-000065	1	771,000					771,000
R-000066 Sunset Ave Sidewalk,Granada-Foster	R-000066	1	448,855					448,855
R-000067 Pecan Ave Shoulder Paving	R-000067	1	3,000	66,000	599,000			668,000
R-000068 Golden State Blvd Shoulder Paving	R-000068	1	10,000	113,000				123,000
R-000070 2018-19 City Streets 3R & ADA Project	R-000070	1	480,000					480,000
R-000071 2020-21 City Streets 3R & ADA Project	R-000071	1		30,000	970,000			1,000,000
R-000072 Ave 17/Sharon Blvd Improvements	R-000072	4	5,310,910					5,310,910
R-000073 Washington School Sidewalks	R-000073	1	354,207					354,207

Department	Project #	Priority	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
R-000074 Reclamite Application, Various City Sts	R-000074	1	217,002					217,002
R-000075 Chip Seal Application, Various City Sts	R-000075	1	449,367					449,367
R-000076 RMRA Seals/Overlays 2018-19	R-000076	2	1,124,000					1,124,000
R-000077 RMRA Seals/Overlays 2019-20	R-000077	2		1,200,000				1,200,000
R-000078 RMRA Seals/Overlays 2020-21	R-000078	2			1,300,000			1,300,000
R-000079 RMRA Seals/Overlays 2021-22	R-000079	2				1,400,000		1,400,000
R-000080 RMRA Seals/Overlays 2022-23	R-000080	2					1,500,000	1,500,000
R-000081 2022-23 City Streets 3R & ADA Project	R-000081	2				300,000	300,000	600,000
R-0025X Fourth St Tree Replacemt-Pine to K	R-0025X	1	25,000					25,000
RM-00001 Rtne Maint City Bridges Fresno RVR	RM-00001	1	35,000	10,000				45,000
S-000012 Schnoor Ave Trunk Sewer Rehab	S-000012	1	46,000	489,000				535,000
S-000995 Road 28 Sewer Loan Repayment	S-000995	3	4,000	4,000	4,000	4,000	4,000	20,000
S-000996 Southeast Quad Sewer Improvement	S-000996	4		106,200	100,000	100,000	100,000	406,200
S-000997 Northeast Quad Sewer Improvement	S-000997	4					210,000	210,000
S-000998 Northwest Quad Sewer Improvement	S-000998	4					250,000	250,000
S-000999 Reimbursements - Sewer Construction	S-000999	1					100,000	100,000
SD-00014 NW Quad Storm Drain Improvement	SD-00014	4					7,400,000	7,400,000
SD-00015 SE Quad Storm Drain Improvements	SD-00015	4					17,500,000	17,500,000
SD-13-PX Retention Basin Land Acquisition	SD-13-PX	1	50,000	40,000	40,000	10,000		140,000
SD-14-P11 Granada Dr/Ave 12.5 Retention Basin	SD-14-P11	1		100,000				100,000
SD-15-P7 Ellis St/Krohn St Retention Basin	SD-15-P7	1		100,000				100,000
SD-P18 Sienna Basin	SD-P18	1	115,000					115,000
SS-00001 Wessmith Way Sewer Main Replace	SS-00001	2	39,000					39,000
SS-00002 Sherwood Way Sewer Main Replace	SS-00002	2	574,000					574,000
SS-00006 Fairgrounds Liftstation-VFD	SS-00006	n/a	625,000					625,000
SS-00007 Airport Lift Station Force Main Study	SS-00007	2	20,000					20,000
SS-00008 2018 Sewer Manhole Project	SS-00008	1	50,000					50,000
SS-00009 2018 Sewer Repairs	SS-00009	n/a	500,000					500,000
SS-00010 Airport Lift Station Pumps Replacement	SS-00010	2	150,000					150,000
SS-00011 Mainberry Sewer - Howard to Sunset	SS-00011	2	450,000					450,000
S-STDY-1 Sewer System Assess/Rehab	S-STDY-1	1	123,825					123,825
S-STDY-2 Sewer Asset Mgmt Software	S-STDY-2	1	75,000					75,000
S-VI-002 Sewer Main Video Inspection	S-VI-002	1	740,930					740,930
TS-00017 Granada Dr/Howard Rd Traffic Signal	TS-00017	1	486,510					486,510
TS-00019 Howard Rd/Westberry Traffic Signal	TS-00019	3	461,410					461,410
TS-00020 Sunrise Ave/Tozer St Traffic Signal	TS-00020	1				35,000	350,000	385,000
TS-00022 4th St Traffic Signal Interconnect	TS-00022	1	17,200					17,200
TS-00023 HOPYQ Intersection Traffic Signals	TS-00023	1	15,000	120,000				135,000
TS-00024 Cleveland/Granada Dr Traffic Signal	TS-00024	1					375,000	375,000
TS-00028 Sunrise Ave/Lily St Rapid Flashing Beacon	TS-00028	3	4,400	27,600				32,000
TS-00029 Stadium Rd/Gary Ln Hawk Pedestrian Signal	TS-00029	3	18,950	135,600				154,550
W-000003 Water Main Upgrades - Locations 1-12	W-000003	1	100,000	750,000				850,000
W-000004 Water Main Upgrades - Locations 13-23	W-000004	1	120,000		1,380,000			1,500,000
W-000006 H St-Water Main Upgrades	W-000006	1	10,000	255,000				265,000
W-000008 10th St-Water Main Upgrades	W-000008	1		10,000	770,000			780,000
W-000009 Gateway-Riverside River Crossing	W-000009	1	312,276					312,276
W-000017 Well 27 Pipe Outfall Extension	W-000017	1	530,000					530,000
W-000020 Well 28 Pump Replacement	W-000020	1	500,000					500,000
W-000022 Water Tower Recoating	W-000022	1	1,490,000					1,490,000
W-000026 Water Tower Demolition	W-000026	1		285,000				285,000
W-000029 Downtown Valve Replacement	W-000029	1	130,000					130,000
W-000031 Manual Read Water Meter Replacements/AMR	W-000031	n/a	300,000	300,000	300,000	300,000	300,000	1,500,000
W-000032 2018-19 New Water Meter Installations	W-000032	2	400,000					400,000
W-000999 Reimbursements - Water Mains	W-000999	n/a			47,200		178,763	225,963
W-GW-001 Water Well 37-Install Pump	W-GW-001	3				1,012,000		1,012,000
W-GW-002 Water Well 35-Ellis w/o Chapin	W-GW-002	4					2,011,000	2,011,000
W-GW-0024 Sharon Blvd. S/O Ave 17 - Well	W-GW-0024	1	2,000,000					2,000,000

Department	Project #	Priority	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
W-GW-003 Water Well 36- SR145/Indigo	W-GW-003	4				121,000	1,890,000	2,011,000
W-PNE-04 Lake St Water Main-Ellis to Ave 17	W-PNE-04	2	85,000	615,000				700,000
W-PS-001 Ave 17 & Lake Pump Station/Tank	W-PS-001	2	462,000	377,000	5,893,000			6,732,000
W-PSW-45 Almond Ave Water Main, Pine-Stadium	W-PSW-45	3				88,000	188,000	276,000
W-STDY-1 Water Feasibility & New Water Supply	W-STDY-1	1	150,000	150,000	150,000	150,000		600,000
W-STDY-2 Water System Condition Assess/Rehab	W-STDY-2	1	250,000					250,000
W-STDY-3 Water Asset Mgmt Software	W-STDY-3	1	150,000					150,000
W-T-0001 Water Storage Tank Installation	W-T-0001	2	952,809	448,000		9,000,000		10,400,809
Engineering Total			31,939,776	7,934,900	13,586,200	13,433,000	38,298,763	105,192,639
Fire Department								
FD-00001 Fire Station 7 - Parking Lot Paving	FD-00001	1			67,000			67,000
FD-00002 Fire Station Constr, Northwest	FD-00002	1	6,450,000					6,450,000
FD-00003 Fire Station 6 Parking Lot	FD-00003	1			70,000			70,000
Fire Department Total			6,450,000		137,000			6,587,000
Parks & Community Services								
PK-00001 Ped/Bike Facilities	PK-00001	1	94,000	35,000	36,000	36,000	36,000	237,000
PK-00008 FRT-Gateway/UPRR Undercrossing	PK-00008	1	893,000					893,000
PK-00013 Sunrise Rotary Sports Complex	PK-00013	1	462,194					462,194
PK-00048 Tulare/Cleveland/Raymond Bike Path	PK-00048	1	10,000	315,000				325,000
PK-00056 Bike/Ped Path, FRT-Cleveland Ave	PK-00056	1		45,000	339,000			384,000
PK-00058 FRT-Granada to MID, North Bank	PK-00058	1			40,000	156,000		196,000
PK-00062 ADA Improvements at Pan-Am and Bergon	PK-00062	1	65,000					65,000
PK-00063 Centennial Park Rehab - Lighting	PK-00063	1	430,000					430,000
Parks & Community Services Total			1,954,194	395,000	415,000	192,000	36,000	2,992,194
Public Works								
S-000011 Sewer Manhole Covers-Replacement	S-000011	1	75,000					75,000
W-000030 4th/Gateway Valve Replacement	W-000030	1		30,000	220,000			250,000
W-000033 Residential AMR Water Meter Replacements	W-000033	1	500,000	500,000	510,000	520,000	530,000	2,560,000
W-GW-005 VFD Retrofit 4 Wells	W-GW-005	1	160,000					160,000
Public Works Total			735,000	530,000	730,000	520,000	530,000	3,045,000
RDA Successor Agency								
RDA-16-04 SW Industrial Master Plan	RDA-16-04	1	70,000					70,000
RDA-16-05 Adelaide Subdivision	RDA-16-05	1	1,568,650					1,568,650
RDA-17-01 Malone	RDA-17-01	1	228,946					228,946
RDA-17-02 Yosemite Lot Plan Review	RDA-17-02	1	600,970					600,970
RDA-18-01 Riverwalk Improvements Phase II	RDA-18-01	3	812,149					812,149
RDA-18-02 Adell St, Country Club to Lake	RDA-18-02	1	2,000,000					2,000,000
RDA Successor Agency Total			5,280,715					5,280,715
Transit Program								
TRANS-01 Madera Transit Center	Trans-01	1	270,000					270,000
Trans-09 RMRA Sustainable Communities 145/Main	Trans-09	n/a	308,000					308,000
Transit Program Total			578,000					578,000
GRAND TOTAL			47,132,685	10,331,900	15,593,200	15,029,000	61,918,363	150,005,148

CITY OF MADERA

PROJECT DETAILS

Airport

AIP-0028 T-Hangar Development Phase 1	Project Number:	AIP-0028
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Project Cost: \$730,000	Project Manager: John Scarborough
Category: Airport	Phase: DESIGN

Description: Construct pavement and infrastructure appurtances to support new Tee hangars.
 Collector Taxiway (35' x 355')
 Tee Hangar Taxiway (25' x 1,015')

Justification: Construction of additional taxiway and apron to facilitate the development of additional Tee hangars to accommodate additional aircraft at the airport.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering		75,000				75,000
Construction-Contract			550,000			550,000
Construction Management-Staff			105,000			105,000
Total		75,000	655,000			730,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Airport Fund Balance: 2053510		4,125	36,025			40,150
Caltrans Aeronautic Grant: 20500-355		3,375	29,475			32,850
FAA Grant: 20503750 Airport Operations Funds		67,500	589,500			657,000
Total		75,000	655,000			730,000

CITY OF MADERA

PROJECT DETAILS

Airport

AIP-0029 Tee Hangar Development Const-II	Project Number:	AIP-0029
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Project Cost: \$799,000	Project Manager: John Scarborough
Category: Airport	Phase:

Description: Construct pavement and infrastructure appurtances to support new Tee hangars.
 Collector Taxiway (35' x 845')
 Tee Hangar Taxiway (25' x 800')

Justification: Construction of additional taxiway and apron to facilitate the development of additional Tee hangars to accommodate additional aircraft at the airport.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering			70,000			70,000
Construction-Contract				613,000		613,000
Construction Management-Staff				116,000		116,000
Total			70,000	729,000		799,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Airport Fund Balance: 2053510			3,850	40,095		43,945
Caltrans Aeronautic Grant: 20500-355			3,150	32,805		35,955
FAA Grant: 20503750 Airport Operations Funds			63,000	656,100		719,100
Total			70,000	729,000		799,000

CITY OF MADERA

PROJECT DETAILS

Airport

AIP-0031 Apron & Taxiway Drainage	Project Number:	AIP-0031
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Project Cost: \$814,000	Project Manager: John Scarborough
Category: Airport	Phase:

Description: Engineering Design and construction for apron and taxiway drainage.

Justification: Drainage between the apron and taxiway is insufficient and needs to be upgraded.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering	70,000					70,000
Construction-Contract		625,000				625,000
Construction Management-Staff		119,000				119,000
Total	70,000	744,000				814,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Airport Fund Balance: 2053510	3,850	40,920				44,770
Caltrans Aeronautic Grant: 20500-355	3,150	33,480				36,630
FAA Grant: 20503750 Airport Operations Funds	63,000	669,600				732,600
Total	70,000	744,000				814,000

CITY OF MADERA

PROJECT DETAILS

Airport

AIP-0034 Commercial Hangar Develop Extend-III	Project Number:	AIP-0034
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Project Cost: \$2,705,600	Project Manager: John Scarborough
Category: Airport	Phase:

Description: Construct pavement and infrastructure appurtances to support future commercial hangars (201,000 sq.ft.)

Justification: Construction of additional taxiway and apron to facilitate the development of additional commercial hangars to accommodate additional aircraft and Fixed Based Operators at the airport.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering				155,000		155,000
Construction-Contract					2,238,600	2,238,600
Construction Management-Staff					262,000	262,000
Env. Assessment					50,000	50,000
Total				155,000	2,550,600	2,705,600

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Airport Fund Balance: 2053510				8,525	140,283	148,808
Caltrans Aeronautic Grant: 20500-355				6,975	114,777	121,752
FAA Grant: 20503750 Airport Operations Funds				139,500	2,295,540	2,435,040
Total				155,000	2,550,600	2,705,600

CITY OF MADERA

PROJECT DETAILS

Airport

AIP-0035 Extend Runway 12-30 & Taxiway P **Project Number: AIP-0035**

Project Cost: \$620,000 **Project Manager:** John Scarborough
Category: Airport **Phase:**

Description: Rehabilitate existing Runway 12-30 pavement, extend the runway and taxiway P.

Justification: Extending the runway will allow the Airport to support larger aircraft and allow the airport to grow.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering					620,000	620,000
Total					620,000	620,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Airport Fund Balance: 2053510					34,100	34,100
Caltrans Aeronautic Grant: 20500-355					27,900	27,900
FAA Grant: 20503750 Airport Operations Funds					558,000	558,000
Total					620,000	620,000

CITY OF MADERA

PROJECT DETAILS

Airport

AIP-0036 Airport Gate Security Update	Project Number:	AIP-0036
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Project Cost: \$373,000	Project Manager: John Scarborough
Category: Airport	Phase:

Description: Construct 5 electrically operated gates and three 12-foot swing gates. Install card operated and electrically operated gates at four existing gates.

Justification: Security system needs an update.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering		34,000				34,000
Construction-Contract		271,200				271,200
Construction Management-Staff		67,800				67,800
Total		373,000				373,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
UNDETERMINED		373,000				373,000
Total		373,000				373,000

CITY OF MADERA

PROJECT DETAILS

Airport

AIP-0037 AGIS Survey & Obstruction Mitigation	Project Number:	AIP-0037
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Project Cost: \$405,000	Project Manager: John Scarborough
Category: Airport	Phase:

Description: Conduct an AGIS Survey and Obstruction Mitigation Plan.

Justification: FAA has identified potential obstructions located near the airport and has requested an AGIS Survey and obstruction mitigation plan be completed in order to determine the validity of the obstructions and potential mitigation.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering	125,000					125,000
Construction-Contract		260,000				260,000
Construction Management-Staff		20,000				20,000
Total	125,000	280,000				405,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Airport Fund Balance: 2053510	6,875	15,400				22,275
Caltrans Aeronautic Grant: 20500-355	5,625	12,600				18,225
FAA Grant: 20503750 Airport Operations Funds	112,500	252,000				364,500
Total	125,000	280,000				405,000

CITY OF MADERA

PROJECT DETAILS

Community Development

CD-00001 City Hall Relocation & Expansion	Project Number:	CD-00001
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Project Cost: \$19,883,000	Project Manager: David Merchen
Category: Buildings	Phase:

Description: Relocation and expansion of City Hall to accommodate medium-to long term projected growth.

5.4 Acres of Land for Buildings and Parking
 53,000 Square Feet of Building Area
 Fixtures, Furniture & Equipment

The relocation and expansion of City Hall will occur in conjunction with community growth as demands for service exceed the capacity of existing facilities.

Justification: Additional City Hall space is required to accommodate medium to long-term projected growth.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Other				0	883,000	883,000
Land Acquisition/Right of Way				0	1,000,000	1,000,000
Construction-Contract				0	17,000,000	17,000,000
Construction Management-Staff				0	1,000,000	1,000,000
Total				0	19,883,000	19,883,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
DIF:4092 General Government Impact Fee				0	1,110,000	1,110,000
UNDETERMINED				0	18,773,000	18,773,000
Total				0	19,883,000	19,883,000

CITY OF MADERA

PROJECT DETAILS

Engineering

ALY-0001 Torres Way Alley Paving

Project Number: ALY-0001

Project Cost: \$200,000 **Project Manager:** Ellen Bitter
Category: Alleys **Phase:** DESIGN



Description: Construct AC pavement along Torres Way and at various locations.

Justification: Mitigation measures to reduce PM-10.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering	14,000					14,000
Construction-Contract		150,000				150,000
Environmental	1,000					1,000
Construction Management-Staff		35,000				35,000
Total	15,000	185,000				200,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
CMAQ - Streets: 41705070		165,000				165,000
Measure T - Environmental Enhancement: 41570000	15,000	20,000				35,000
Total	15,000	185,000				200,000

CITY OF MADERA

PROJECT DETAILS

Engineering

ALY-002 Alley Paving-Various Locations **Project Number: ALY-0002**

Project Cost: \$801,000 **Project Manager:** Jose Sandoval
Category: Alleys **Phase:** DESIGN

Description: Pave unpaved alleys. Priority placed on higher traffic alleys. There is a list developed by Public Works identifying unpaved alleys and suggestions for first 15 alleys.

Justification: Air District Rag VIII requires local agencies to stabilize unpaved roads with ADT's greater than 26 to prevent PM-10 fugitive dust emissions.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
50,000	Construction-Contract	676,000					676,000
	Construction Management-Staff	75,000					75,000
Total	Total	751,000					751,000

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
50,000	CMAQ - Streets: 41705070	670,000					670,000
	Measure T - Environmental Enhancement: 41570000	81,000					81,000
Total	Total	751,000					751,000

CITY OF MADERA

PROJECT DETAILS

Engineering

B-00002 Westberry Bridge Construction **Project Number: B-00002**

Project Cost: \$7,500,000 **Project Manager:** Keith Helmuth
Category: Bridges **Phase:** FUTURE

Description: Construct Westberry Bridge over the Fresno River
Justification: Efficient circulation and maintenance of acceptable levels of service at various local intersections dictate the need for this bridge with the next 5 to 10 years

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total	Future
Planning/Design				500,000	2,000,000	2,500,000	5,000,000
Total				500,000	2,000,000	2,500,000	Total

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total	Future
DIF:4093 Transportation Impact Fee				500,000	2,000,000	2,500,000	5,000,000
Total				500,000	2,000,000	2,500,000	Total

CITY OF MADERA

PROJECT DETAILS

Engineering

B-000004 BPMP Rehab/Repair of 3 Bridges **Project Number: B-000004**

Project Cost: \$216,000 **Project Manager:** Jose Aguilar
Category: Bridges **Phase:** DESIGN

Description: Rehabilitation on Fresno River bridges at Cleveland Avenue, Gateway Drive and Clark Street.

Justification: Deficiency on City bridges based from the bridge inspection report performed by Caltrans need to be scheduled for repair. The City prepares a list of deficient bridges and submits it to Caltrans for funding the repair work.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
28,000	Design-Consultant Engineering	19,000					19,000
	Construction-Contract	114,000					114,000
	Environmental	25,000					25,000
	Construction Management-Staff	30,000					30,000
	Total	188,000					188,000

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
28,000	BPMP: 41705730	146,000					146,000
	LTF - Streets: 42005330	42,000					42,000
	Total	188,000					188,000

CITY OF MADERA

PROJECT DETAILS

Engineering

ENG-000C Traffic Warrants	Project Number:	ENG-000C
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Project Cost: \$245,000	Project Manager: Keith Helmuth
Category: Administrative	Phase: DESIGN

Description: Traffic Signal and Intersection Studies. This item is not typically seen as a project. It is set up as a project so that it will show up on the sources and uses of funds report.

Justification: Required to justify funding and installation of traffic signals and various traffic/pedestrian safety projects.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
120,000	Design-Consultant Engineering	25,000	25,000	25,000	25,000	25,000	125,000
Total	Total	25,000	25,000	25,000	25,000	25,000	125,000

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
120,000	LTF - Streets: 42005330	25,000	25,000	25,000	25,000	25,000	125,000
Total	Total	25,000	25,000	25,000	25,000	25,000	125,000

CITY OF MADERA

PROJECT DETAILS

Engineering

ENG-000G Micro-Paver Distress Survey Project Number: ENG-000G

Project Cost: \$88,000 **Project Manager:** Jose Aguilar
Category: Street 3R **Phase:** DESIGN

Description: Professional consultant services to perform the pavement distress analysis of City streets.
Justification: Develop a comprehensive database of information related to the pavement condition of City streets.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
83,000	Design-Consultant Engineering	5,000					5,000
Total	Total	5,000					5,000

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
83,000	LTF - Streets: 42005330	5,000					5,000
Total	Total	5,000					5,000

CITY OF MADERA

PROJECT DETAILS

Engineering

MUP-UDII Master Utility Plan Update, II	Project Number:	MUP-UDII
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Project Cost: \$475,000	Project Manager: Keith Helmuth
Category: Administrative	Phase: DESIGN

Description: Sanitary Sewer, Water and Storm Drain Master Plan Updates

Justification: Master utility plans should typically be updated every 5 years at a minimum to account for changes in assumed development patterns from previous updates.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Planning/Design					475,000	475,000
Total					475,000	475,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Sewer Utility Fund: 20403420					475,000	475,000
Total					475,000	475,000

CITY OF MADERA

PROJECT DETAILS

Engineering

R-000010 Olive Ave Widening-Gateway to Knox

Project Number:

R-000010

Project Cost: \$7,899,125 **Project Manager:** Jose Aguilar
Category: Street Reconstruction **Phase:** DESIGN



Description: Widen street to 4 lanes for Arterial Street Standards, acquire right-of-way and construct sidewalks. Widen UPRR crossing at SW corner of Olive Avenue and Knox Street

Justification: Project reduces traffic delays at Gateway / Olive Intersection by providing 4 travel lanes. Complies with City approved traffic circulation element. Provide pedestrian access and safety by constructing a missing of a concrete sidewalk.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
320,000	Land Acquisition	1,304,000					1,304,000
	Design-Consultant Engineering	150,000					150,000
Total	Construction-Contract	4,060,125					4,060,125
	Environmental	5,000					5,000
	Construction Management-Staff	560,000					560,000
	UPRR	900,000					900,000
	Utility Conversion	600,000					600,000
	Total	7,579,125					7,579,125

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
320,000	DIF:4096 Arterial/Collector St. Impact Fee	500,000					500,000
Total	LTF - Streets: 42005330	600,000					600,000
	Measure T - RTP/3R: 41514470	4,709,125					4,709,125
	RSTP Federal Exchange: 41315320	1,770,000					1,770,000
	Total	7,579,125					7,579,125

CITY OF MADERA

PROJECT DETAILS

Engineering

R-000031 Contingency / Project Administration	Project Number:	R-000031
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Project Cost: \$1,740,000	Project Manager: Keith Helmuth
Category: Street Construction/Admin	Phase: CONSTRUCTION

Description: Miscellaneous Capital Improvement Projects and Transportation Programs Administration.

Justification: Ongoing annual Local, State & Federal Programs.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
940,000	Engineering/Administration	160,000	160,000	160,000	160,000	160,000	800,000
Total	Total	160,000	160,000	160,000	160,000	160,000	800,000

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
940,000	LTF - Streets: 42005330	160,000	160,000	160,000	160,000	160,000	800,000
Total	Total	160,000	160,000	160,000	160,000	160,000	800,000

CITY OF MADERA

PROJECT DETAILS

Engineering

R-000032 UPPR Crossing - Street Approach	Project Number:	R-000032
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Project Cost: \$654,000	Project Manager: Frank Holguin
Category: Street 3R	Phase: CONSTRUCTION

Description: Railroad approach paving
Justification: Improve safety and riding comfort

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
284,000	Construction-Contract	40,000	68,000	68,000	68,000	68,000	312,000
Total	Construction Management-Staff	10,000	12,000	12,000	12,000	12,000	58,000
	Total	50,000	80,000	80,000	80,000	80,000	370,000

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
284,000	LTF - Streets: 42005330	50,000	80,000	80,000	80,000	80,000	370,000
Total	Total	50,000	80,000	80,000	80,000	80,000	370,000

CITY OF MADERA

PROJECT DETAILS

Engineering

R-000037 Raymond Rd Shoulder-n/o Cleveland **Project Number: R-000037**

Project Cost: \$325,000 **Project Manager:** Ellen Bitter
Category: Street Construction **Phase:** DESIGN

Description: Construct paved shoulders with curb and gutter on Raymond Road north of Cleveland Avenue.

Justification: Improve traffic and pedestrian circulation and safety.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
43,000	Design-Consultant Engineering	15,000					15,000
Total	Construction-Contract	243,000					243,000
	Right of Way Costs	9,000					9,000
	Construction Management-Staff	15,000					15,000
	Total	282,000					282,000

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
43,000	CMAQ - Streets: 41705070	230,000					230,000
Total	LTF - Streets: 42005330	52,000					52,000
	Total	282,000					282,000

CITY OF MADERA

PROJECT DETAILS

Engineering

R-000038 Gateway/Central/3rd/E St Sidewalks **Project Number: R-000038**

Project Cost: \$498,000 **Project Manager:** Ellen Bitter
Category: Street Reconstruction **Phase:** DESIGN/CONSTRUCTION

Description: Sidewalks on Central Avenue, Gateway to Lake Street: E Street, Central Avenue to 3rd Street: 3rd Street, E Street to Central Avenue.

Justification: Sidewalks don't exist in many locations along this residential neighborhood that are needed for access to the Rotary Park.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
47,000	Design-Consultant Engineering	2,000					2,000
	Construction-Contract	411,600					411,600
Total	Construction Management-Staff	37,400					37,400
	Total	451,000					451,000

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
47,000	CMAQ - Streets: 41705070	328,000					328,000
	LTF - Streets: 42005330	123,000					123,000
Total	Total	451,000					451,000

CITY OF MADERA

PROJECT DETAILS

Engineering

R-000041 Concrete Projects - Share Program	Project Number:	R-000041
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Project Cost: \$185,000	Project Manager: Jose Aguilar
Category: Street Reconstruction	Phase: CONSTRUCTION

Description: Construct ADA curb returns and sidewalks Citywide. 50/50 City/property owner shared cost as requested by the property owner.

Justification: Improve pedestrian and wheelchair accessibility

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
30,000	Construction-Contract	75,000	20,000	20,000	20,000	20,000	155,000
Total	Total	75,000	20,000	20,000	20,000	20,000	155,000

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
30,000	LTF - Streets: 42005330	75,000	20,000	20,000	20,000	20,000	155,000
Total	Total	75,000	20,000	20,000	20,000	20,000	155,000

CITY OF MADERA

PROJECT DETAILS

Engineering

R-000046 Lake St Widening-Fourth to Cleveland **Project Number: R-000046**

Project Cost: \$4,060,000 **Project Manager:** Keith Helmuth
Category: Street Reconstruction **Phase:** DESIGN



Description: Widen Lake Street to 4 lanes with median for Arterial Street Standards.

Justification: Providing 4 travel lanes will be needed to handle traffic volume. Complies with City approved traffic circulation element.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
238,000	Design-Consultant Engineering	30,000					30,000
	Land Acquisition/Right of Way			936,000			936,000
Total	Construction-Contract					2,042,000	2,042,000
	Right of Way Costs	34,000					34,000
	Construction Management-Staff					250,000	250,000
	Utility Undergrounding					530,000	530,000
	Total	64,000		936,000		2,822,000	3,822,000

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
238,000	Measure T - RTP/3R: 41514470	50,000				995,000	1,045,000
Total	RSTP Federal Exchange: 41315320	14,000	680,000	683,000	700,000	700,000	2,777,000
	Total	64,000	680,000	683,000	700,000	1,695,000	3,822,000

CITY OF MADERA

PROJECT DETAILS

Engineering

R-000049 Olive Ave Concept Plan	Project Number:	R-000049
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Project Cost: \$24,000	Project Manager: Jose Aguilar
Category: Street Planline	Phase: DESIGN

Description: Prepare concept plan for street alignment and right-of-way on Olive Avenue between Tozer and 1,300' east of Tozer..

Justification: Facilitate the completion of the County Jail Expansion project per Memorandum of Understanding, Madera County Contract No. 9518-C-2012

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
12,000	Design-Consultant Engineering	12,000					12,000
Total	Total	12,000					12,000

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
12,000	DIF:4096 Arterial/Collector St. Impact Fee	12,000					12,000
Total	Total	12,000					12,000

CITY OF MADERA

PROJECT DETAILS

Engineering

R-00050 Pine St Reconstr-Howard to Fourth St **Project Number: R-00050**

Project Cost: \$515,000 **Project Manager:** Keith Helmuth
Category: Street Reconstruction **Phase:** DESIGN



Description: Reconstruction asphalt paving on Pine street from Howard to Fourth Street and widen road way. Install missing street lights.

Justification: Project identified in Public Works Pavement Management Plan as asphalt requiring replacement and improves traffic flow.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering			20,600			20,600
Land Acquisition/Right of Way			10,300			10,300
Construction-Contract			442,900			442,900
Construction Management-Staff			41,200			41,200
Total			515,000			515,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Measure T - RTP/3R: 41514470			515,000			515,000
Total			515,000			515,000

CITY OF MADERA

PROJECT DETAILS

Engineering

R-00054 Cleveland Ave Widen-Schnoor to SR99

Project Number:

R-00054

Project Cost: \$4,060,500 **Project Manager:** Keith Helmuth
Category: Street Reconstruction **Phase:** DESIGN



Description: Reconstruct and widen from 4 lanes to 6 lanes.

Justification: Requires 6 travel lanes to reduce traffic congestion. This project is included as a Tier 1 improvement in the Measure T program.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total	Future
Design-Consultant Engineering		60,500				60,500	4,000,000
Construction-Contract				0		0	Total
Construction Management-Staff				0		0	
Total		60,500		0		60,500	

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total	Future
Measure T - Flex: 41580000		60,500				60,500	4,000,000
Total		60,500				60,500	Total

CITY OF MADERA

PROJECT DETAILS

Engineering

R-000057 Lake-Fourth-Central Intersection **Project Number: R-000057**

Project Cost: \$1,975,000 **Project Manager:** Keith Helmuth
Category: Street Construction **Phase:** DESIGN

Description: Evaluate intersection for either Traffic signal or round-about. Install selected method of traffic control.

Justification: Relieve traffic congestion and reduce delay

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
108,000	Land Acquisition	50,000					50,000
	Design-Consultant Engineering	210,000					210,000
	Construction-Contract		1,457,000				1,457,000
	Construction Management-Staff		150,000				150,000
	Total	260,000	1,607,000				1,867,000

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
108,000	CMAQ - Streets: 41705070	527,000					527,000
	LTF - Streets: 42005330	7,000	60,000				67,000
	RSTP Federal Exchange: 41315320	683,000					683,000
	UNDETERMINED	90,000	500,000				590,000
	Total	1,307,000	560,000				1,867,000

CITY OF MADERA

PROJECT DETAILS

Engineering

R-00058 Schnoor Ave Sidewalk-Sunset to River **Project Number: R-00058**

Project Cost: \$150,000 **Project Manager:** Ellen Bitter
Category: Street/Sidewalk **Phase:** DESIGN



Description: Construct sidewalks on Schnoor Ave. from Sunset Ave. to Riverside Dr.

Justification: Pedestrian safety.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Land Acquisition			8,000			8,000
Design-Consultant Engineering			12,000			12,000
Construction-Contract				105,000		105,000
Environmental			2,000			2,000
Construction Management-Staff				23,000		23,000
Total			22,000	128,000		150,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
CMAQ - Streets: 41705070			19,000	113,000		132,000
Measure T - Environmental Enhancement: 41570000			3,000	15,000		18,000
Total			22,000	128,000		150,000

CITY OF MADERA

PROJECT DETAILS

Engineering

R-00060 Storey Rd Shoulder Paving	Project Number:	R-00060
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Project Cost: \$306,000 **Project Manager:** Ellen Bitter
Category: Street Reconstruction **Phase:** DESIGN



Description: Construct paved shoulders, curb and gutter along frontage of Millview Sports Complex south side of Store Road.

Justification: Reduce PM-10 dust and provide public safety.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering		30,000				30,000
Construction-Contract			221,000			221,000
Environmental		1,000				1,000
Construction Management-Staff			54,000			54,000
Total		31,000	275,000			306,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
CMAQ - Streets: 41705070		27,000	244,000			271,000
Measure T - Environmental Enhancement: 41570000		4,000	31,000			35,000
Total		31,000	275,000			306,000

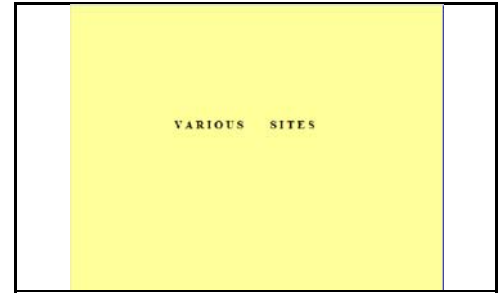
CITY OF MADERA

PROJECT DETAILS

Engineering

R-000062 Sidewalks-School & Commercial **Project Number: R-000062**

Project Cost: \$295,000 **Project Manager:** Jose Sandoval
Category: Street/Sidewalk **Phase:** DESIGN/CONSTRUCTION



Description: Infill and provide sidewalk facilities and appurtenances. Areas to be determined to maximize pedestrian usage within funds available. To be implemented in phases.

Justification: Will encourage pedestrian travel & provide safety at areas without sidewalks and ADA ramps with high concentration of pedestrians.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
14,000	Land Acquisition/Right of Way	2,500					2,500
Total	Construction-Contract	242,900					242,900
	Construction Management-Staff	25,600					25,600
	Design-Staff	10,000					10,000
	Total	281,000					281,000

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
14,000	CMAQ - Streets: 41705070	235,000					235,000
Total	LTF - Streets: 42005330	37,000					37,000
	Measure T - Enviromental Enhancement: 41570000	9,000					9,000
	Total	281,000					281,000

CITY OF MADERA

PROJECT DETAILS

Engineering

R-000064 ADA Walkability Sidewalks 16-17 **Project Number: R-000064**

Project Cost: \$100,000 **Project Manager:** Jose Aguilar
Category: Street Reconstruction **Phase:** DESIGN/CONSTRUCTION

Description: Project adds missing wheel chair ramps City-wide and miscellaneous pedestrian facilities. It serves as a placeholder for sidewalks projects in general.

Justification: Construction of ADA facilities enhances mobility and access within City and shows good faith effort toward that goal.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering	5,000				8,000	13,000
Construction-Contract		32,000			48,000	80,000
Construction Management-Staff		3,000			4,000	7,000
Total	5,000	35,000			60,000	100,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Measure T - LTP ADA: 41540000	20,000	20,000	20,000	20,000	20,000	100,000
Total	20,000	20,000	20,000	20,000	20,000	100,000

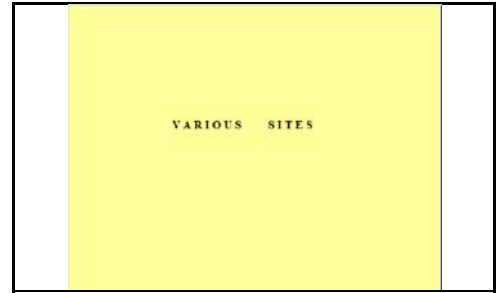
CITY OF MADERA

PROJECT DETAILS

Engineering

R-000065 2017-18 City Streets 3R & ADA Project **Project Number: R-000065**

Project Cost: \$1,321,000 **Project Manager:** Victor Aldama
Category: Street 3R **Phase:** CONSTRUCTION



Description: Pavement rehabilitation with various types of seal coats and AC overlays on various arterial and collector streets.

Justification: Project is identified in Public Works Pavement Management Plan as needing surface seals or overlays.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
550,000	Design-Consultant Engineering	22,000					22,000
Total	Construction-Contract	698,000					698,000
	Environmental	1,000					1,000
	Construction Management-Staff	50,000					50,000
	Total	771,000					771,000

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
550,000	LPP	217,000					217,000
Total	Measure T - RTP/3R: 41514470	554,000					554,000
	Total	771,000					771,000

CITY OF MADERA

PROJECT DETAILS

Engineering

R-000066 Sunset Ave Sidewalk, Granada-Foster **Project Number: R-000066**

Project Cost: \$458,855 **Project Manager:** Victor Aldama
Category: Street Construction **Phase:** DESIGN

Description: HSIP Cycle 7 project to install pedestrian refuge median and ADA compliant sidewalks along Sunset Avenue between Granada Drive and Foster Avenue.

Justification: Improve traffic and pedestrian safety.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
10,000	Construction-Contract	391,855					391,855
	Environmental	2,300					2,300
	Construction Management-Staff	36,100					36,100
	Design-Staff	18,600					18,600
	Total	448,855					448,855

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
10,000	HSIP Grant: 41700000	310,590					310,590
	LTF - Streets: 42005330	125,265					125,265
	Measure T - Environmental Enhancement: 41570000	13,000					13,000
	Total	448,855					448,855

CITY OF MADERA

PROJECT DETAILS

Engineering

R-000067 Pecan Ave Shoulder Paving **Project Number: R-000067**

Project Cost: \$673,000 **Project Manager:** Ellen Bitter
Category: Street Construction **Phase:** DESIGN

Description: CMAQ project to pave 4' to 8' wide shoulders between Pine Street and Golden State Blvd. where missing. (Does not include segment along north side between Stadium Road and Monterey Street because of utility conflicts).

Justification: Air District Reg VIII requires local agencies to stabilize unpaved road shoulders to prevent PM-10 fugitive dust emissions. Added safety benefit of paved shoulders on roadway serving high school and commercial/industrial areas.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
5,000	Construction-Contract			470,000			470,000
Total	Right of Way Costs			80,000			80,000
	Environmental		5,000				5,000
	Construction Management-Staff			49,000			49,000
	Design-Staff	3,000	61,000				64,000
	Total		3,000	66,000	599,000		

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
5,000	CMAQ - Streets: 41705070		58,000	529,000			587,000
Total	LTF - Streets: 42005330	3,000	8,000	70,000			81,000
	Total	3,000	66,000	599,000			668,000

CITY OF MADERA

PROJECT DETAILS

Engineering

R-000068 Golden State Blvd Shoulder Paving **Project Number: R-000068**

Project Cost: \$125,000 **Project Manager:** Jose Sandoval
Category: Street Construction **Phase:** DESIGN

Description: CMAQ Project to pave shoulders along Golden State Blvd. between Pecan Avenue and the Madera Community Hospital emergency entrance.

Justification: Air District Reg VIII requires local agencies to stabilize unpaved road shoulders to prevent PM-10 fugitive dust emissions.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
2,000	Construction-Contract		101,000				101,000
	Construction Management-Staff		12,000				12,000
	Design-Staff	10,000					10,000
	Total	10,000	113,000				123,000

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
2,000	CMAQ - Streets: 41705070	10,000	100,000				110,000
	LTF - Streets: 42005330		13,000				13,000
	Total	10,000	113,000				123,000

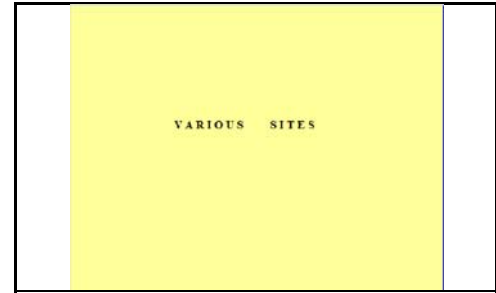
CITY OF MADERA

PROJECT DETAILS

Engineering

R-000070 2018-19 City Streets 3R & ADA Project **Project Number: R-000070**

Project Cost: \$480,000 **Project Manager:** Jose Aguilar
Category: Street 3R **Phase:** CONSTRUCTION



Description: Pavement rehabilitation with various types of seal coats and AC overlays on various arterial and collector streets.

Justification: Project is identified in Public Works Pavement Management Plan as needing surface seals or overlays.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering	35,000					35,000
Construction-Contract	382,000					382,000
Environmental	5,000					5,000
Construction Management-Staff	58,000					58,000
Total	480,000					480,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
LPP	180,000					180,000
Measure T - RTP/3R: 41514470	300,000					300,000
Total	480,000					480,000

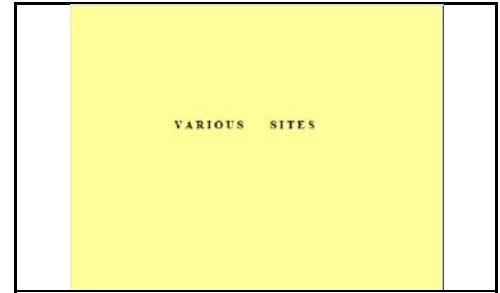
CITY OF MADERA

PROJECT DETAILS

Engineering

R-000071 2020-21 City Streets 3R & ADA Project **Project Number: R-000071**

Project Cost: \$1,000,000 **Project Manager:** Jose Aguilar
Category: Street 3R **Phase:** CONSTRUCTION



Description: Pavement rehabilitation with various types of seal coats and AC overlays on various arterial and collector streets.

Justification: Project is identified in Public Works Pavement Management Plan as needing surface seals or overlays.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering		20,000				20,000
Construction-Contract			880,000			880,000
Environmental		10,000				10,000
Construction Management-Staff			90,000			90,000
Total		30,000	970,000			1,000,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
LPP			345,000			345,000
Measure T - RTP/3R: 41514470		300,000	355,000			655,000
Total		300,000	700,000			1,000,000

CITY OF MADERA

PROJECT DETAILS

Engineering

R-000072 Ave 17/Sharon Blvd Improvements	Project Number:	R-000072
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Project Cost: \$5,310,910	Project Manager: Keith Helmuth
Category: Public Facility	Phase:

Description: Infrastructure project to include construction and installation of streets, water, sanitary sewer and storm drainage system by private developer in conjunction with an approved Development Agreement (DA). When complete and accepted, the developer will receive reimbursements as specified in the agreement.

Justification: To support logical expansion of City transportation and utility infrastructure.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Land Acquisition	205,000					205,000
Developer Reimbursement	5,105,910					5,105,910
Total	5,310,910					5,310,910

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
DIF:4080 Water Development Impact Fee	31,000					31,000
DIF:4081 Water Pipes Impact Fee	42,700					42,700
DIF:4093 Transportation Impact Fee	1,090,000					1,090,000
DIF:4096 Arterial/Collector St. Impact Fee	580,000					580,000
DIF:4097 Traffic Signal Impact Fee	403,000					403,000
DIF:4101 Sewer NE Quadrant Impact Fee	131,000					131,000
DIF:4106 Storm Drain NE Quadrant Impact Fee	68,210					68,210
Economic Dev. Fund	156,500					156,500
LTF - Streets: 42005330	1,640,000					1,640,000
Measure A City: 41500000	1,120,000					1,120,000
Water Utility Fund: 20303830	48,500					48,500
Total	5,310,910					5,310,910

CITY OF MADERA

PROJECT DETAILS

Engineering

R-000073 Washington School Sidewalks **Project Number: R-000073**

Project Cost: \$374,207 **Project Manager:** Victor Aldama
Category: Street/Sidewalk **Phase:** DESIGN

Description: The project consists of the installation of concrete sidewalks with ADA compliant corner ramps and drive approaches, clearing and grubbing, and relocation of power poles. The project is located on Lincoln Avenue, South Street, and Austin Street adjacent to George Washington Elementary School.

Justification: Heavy pedestrian traffic volumes using the proposed improvement areas. There are currently no sidewalks installed at the proposed locations. The improvements would provide ADA accessibility to pedestrians using this routes to get to George Washington Elementary School.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
20,000	Design-Consultant Engineering	6,339					6,339
	Construction-Contract	321,529					321,529
Total	Construction Management-Staff	26,339					26,339
	Total	354,207					354,207

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
20,000	CDBG - Public Impr. Streets: 10218020	185,836					185,836
	LTF - Streets: 42005330	84,245					84,245
Total	Measure T - LTP ADA: 41540000	84,126					84,126
	Total	354,207					354,207

CITY OF MADERA

PROJECT DETAILS

Engineering

R-000074 Reclamite Application, Various City Sts **Project Number: R-000074**

Project Cost: \$227,434 **Project Manager:**
Category: Street 3R **Phase:**

Description: Resurface residential streets throughout City to extend life and rejuvenate asphaltic surface courses through the application of reclamite.

Justification: Using combined resources of local Measure T and State RMRA SB1 fund designated for streets.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
10,432	Construction-Contract	211,411					211,411
	Construction Management-Staff	4,570					4,570
	CMCINSP	1,021					1,021
	Total	217,002					217,002

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
10,432	Measure T - LTP Street Maintenance: 41520	110,589					110,589
	RMRA	106,413					106,413
	Total	217,002					217,002

CITY OF MADERA

PROJECT DETAILS

Engineering

R-000075 Chip Seal Application, Various City Sts **Project Number: R-000075**

Project Cost: \$454,870 **Project Manager:**
Category: Street 3R **Phase:**

Description: Resurface residential streets throughout City to extend life and rejuvenate asphaltic surface courses through the application of reclamite.

Justification: Using combined resources of local Measure T and State RMRA SB1 fund designated for streets.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
5,503	Construction-Contract	428,658					428,658
	Construction Management-Staff	19,133					19,133
	CMCINSP	1,576					1,576
	Total	449,367					449,367

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
5,503	Measure T - LTP	227,823					227,823
	Supplemental Street Mai: 41530						
	RMRA	221,544					221,544
	Total	449,367					449,367

CITY OF MADERA

PROJECT DETAILS

Engineering

R-000076 RMRA Seals/Overlays 2018-19	Project Number:	R-000076
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Project Cost: \$1,124,000	Project Manager: Jose Aguilar
Category: Street Reconstruction	Phase:

Description: Pavement rehabilitation with various types of seal coats and AC overlays for City Arterial, Collector and Local Streets.

Justification: The project is identified and listed in the Maintenance and Repair plan generated from the Pavement Management System (PMS).

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Construction-Contract	899,200					899,200
Construction Management-Staff	224,800					224,800
Total	1,124,000					1,124,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
RMRA	1,124,000					1,124,000
Total	1,124,000					1,124,000

CITY OF MADERA

PROJECT DETAILS

Engineering

R-000077 RMRA Seals/Overlays 2019-20 **Project Number: R-000077**

Project Cost: \$1,200,000 **Project Manager:** Jose Aguilar
Category: Street Reconstruction **Phase:**

Description: Pavement rehabilitation with various types of seal coats and AC overlays for City Arterial, Collector and Local Streets.

Justification: The project is identified and listed in the Maintenance and Repair plan generated from the Pavement Management System (PMS).

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Construction-Contract		960,000				960,000
Construction Management-Staff		240,000				240,000
Total		1,200,000				1,200,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
RMRA		1,200,000				1,200,000
Total		1,200,000				1,200,000

CITY OF MADERA

PROJECT DETAILS

Engineering

R-000078 RMRA Seals/Overlays 2020-21 **Project Number: R-000078**

Project Cost: \$1,300,000 **Project Manager:** Jose Aguilar
Category: Street Reconstruction **Phase:**

Description: Pavement rehabilitation with various types of seal coats and AC overlays for City Arterial, Collector and Local Streets.

Justification: The project is identified and listed in the Maintenance and Repair plan generated from the Pavement Management System (PMS).

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Construction-Contract			1,040,000			1,040,000
Construction Management-Staff			260,000			260,000
Total			1,300,000			1,300,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
RMRA			1,300,000			1,300,000
Total			1,300,000			1,300,000

CITY OF MADERA

PROJECT DETAILS

Engineering

R-000079 RMRA Seals/Overlays 2021-22 **Project Number: R-000079**

Project Cost: \$1,400,000 **Project Manager:** Jose Aguilar
Category: Street Reconstruction **Phase:**

Description: Pavement rehabilitation with various types of seal coats and AC overlays for City Arterial, Collector and Local Streets.

Justification: The project is identified and listed in the Maintenance and Repair plan generated from the Pavement Management System (PMS).

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Construction-Contract				1,120,000		1,120,000
Construction Management-Staff				280,000		280,000
Total				1,400,000		1,400,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
RMRA				1,400,000		1,400,000
Total				1,400,000		1,400,000

CITY OF MADERA

PROJECT DETAILS

Engineering

R-000080 RMRA Seals/Overlays 2022-23 **Project Number: R-000080**

Project Cost: \$1,500,000 **Project Manager:** Jose Aguilar
Category: Street Reconstruction **Phase:**

Description: Pavement rehabilitation with various types of seal coats and AC overlays for City Arterial, Collector and Local Streets.

Justification: The project is identified and listed in the Maintenance and Repair plan generated from the Pavement Management System (PMS).

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Construction-Contract					1,200,000	1,200,000
Construction Management-Staff					300,000	300,000
Total					1,500,000	1,500,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
RMRA					1,500,000	1,500,000
Total					1,500,000	1,500,000

CITY OF MADERA

PROJECT DETAILS

Engineering

R-000081 2022-23 City Streets 3R & ADA Project **Project Number: R-000081**

Project Cost: \$600,000 **Project Manager:** Jose Aguilar
Category: Street 3R **Phase:**

Description: Pavement rehabilitation with various types of seal coats and AC overlays on various arterial and collector streets.

Justification: Project is identified in Public Works Pavement Management Plan as needing surface seals or overlays.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Construction-Contract				240,000	240,000	480,000
Construction Management-Staff				60,000	60,000	120,000
Total				300,000	300,000	600,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Measure T - RTP/3R: 41514470				300,000	300,000	600,000
Total				300,000	300,000	600,000

CITY OF MADERA

PROJECT DETAILS

Engineering

R-0025X Fourth St Tree Replacemt-Pine to K **Project Number: R-0025X**

Project Cost: \$25,000 **Project Manager:** Les Jorgensen
Category: Street 3R **Phase:** CONSTRUCTION



Description: Tree planting for Park Street areas as part of project R-25, Fourth St. Reconstruction - Pine to K.

Justification: Environmental enhancement to replace trees removed in project R-25, Fourth St. Reconstruction - Pine to K.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering	20,000					20,000
Design-Staff	5,000					5,000
Total	25,000					25,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Measure T - RTP/3R: 41514470	25,000					25,000
Total	25,000					25,000

CITY OF MADERA

PROJECT DETAILS

Engineering

RM-00001 Rtne Maint City Bridges Fresno RVR	Project Number:	RM-00001
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Project Cost: \$55,000	Project Manager: Jose Aguilar
Category: Maintenance	Phase:

Description: Routine maintenance of various City bridges along the Fresno River to include vegetation removal, debris and obstruction removal and bridge footing and erosion protection.

Justification: Work is based on the bridge inspection report submitted by Caltrans to the City. Performing routine maintenance work will also prevent further damage to the bridges.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
10,000	Materials/Equipment	20,000					20,000
	Erosion Control	10,000					10,000
Total	Engineering	5,000	10,000				15,000
	Total	35,000	10,000				45,000

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
10,000	LTF - Streets: 42005330	35,000	10,000				45,000
Total	Total	35,000	10,000				45,000

CITY OF MADERA

PROJECT DETAILS

Engineering

S-000012 Schnoor Ave Trunk Sewer Rehab	Project Number:	S-000012
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Project Cost: \$1,713,000	Project Manager: Ellen Bitter
Category: Sewer	Phase: DESIGN

Description: Rehabilitate the Schnoor Ave. Trunk Sewer System beginning at sewage pump station on Cleveland Avenue and going south, crossing the Fresno River, and ending at 4th Street. Technical memo prepared October 2013 by Akel Engineering in conjunction with Master Plan Update presented as Appendix D contains detailed information and recommendations. NOTE: Segment across river has not been evaluated. 4th Street to Industrial completed in 2016.

Justification: Extend useful life of sewer trunk main.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
1,178,000	Design-Consultant Engineering	46,000					46,000
	Construction-Contract		445,000				445,000
Total	Construction Management-Staff		44,000				44,000
	Total	46,000	489,000				535,000

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
1,178,000	Sewer Utility Fund: 20403420	46,000	489,000				535,000
Total	Total	46,000	489,000				535,000

CITY OF MADERA

PROJECT DETAILS

Engineering

S-000995 Road 28 Sewer Loan Repayment **Project Number: S-000995**

Project Cost: \$572,676 **Project Manager:** Keith Helmuth
Category: Reimbursements **Phase:** N/A

Description: Reimburse the sewer fund for construction of Road 28 Interceptor. Expenditures include \$57,380 (Resolution 99-203) for engineering and \$507,296 (Resolution 00-243) for construction for a total cost of \$564,676. Collection of Road 28 Sewer Interceptor DIF will continue until balance of loan is repaid.

Justification: Sewer funds used to construct the Road 28 Interceptor were taken as a loan. They must be repaid.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total	Future
221,000	Loan Repayment	4,000	4,000	4,000	4,000	4,000	20,000	331,676
Total	Total	4,000	4,000	4,000	4,000	4,000	20,000	Total

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
221,000	DIF:4085 Road 28 Sewer Intercept Impact Fee	4,000	4,000	4,000	4,000	4,000	20,000
Total	Total	4,000	4,000	4,000	4,000	4,000	20,000

CITY OF MADERA

PROJECT DETAILS

Engineering

S-000996 Southeast Quad Sewer Improvement **Project Number: S-000996**

Project Cost: \$464,400 **Project Manager:** Keith Helmuth
Category: Reimbursements **Phase:** N/A

Description: Construct sewer improvements within the Southeast quadrant in response to need and as identified in the Sewer Master Plan for that Area and/or reimburse developers for those same improvements if constructed as part of a development project.

Partial list includes: Road 28 1/2 (13 3/4 to 15 -15") - \$211,200; Tozer Street (Storey to Ave 15 -12") - \$71,250, Ave 15 (Rd 28 1/2 to Rd 28 -15") - \$76,000, Road 28 (Ave 15 to Ave 14 1/2 - 18") - \$99,750

Justification: Planned growth in this quadrant of the City requires construction of various sewer improvements as are identified in the Sewer Master Plan.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total	Future
Construction-Contract		106,200	100,000	100,000	100,000	406,200	58,200
Total		106,200	100,000	100,000	100,000	406,200	Total

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total	Future
DIF:4103 Sewer SE Quadrant Impact Fee		106,200	100,000	100,000	100,000	406,200	58,200
Total		106,200	100,000	100,000	100,000	406,200	Total

CITY OF MADERA

PROJECT DETAILS

Engineering

S-000997 Northeast Quad Sewer Improvement	Project Number:	S-000997
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Project Cost: \$210,000	Project Manager: Keith Helmuth
Category: Reimbursements	Phase: N/A

Description: Construct sewer improvements within the northeast quadrant in response to need and as identified in the Sewer Master Plan for that Area and/or reimburse developers for those same improvements if constructed as part of a development project.

Partial list includes: Road 28 (North of Ellis -12") - \$45,000; Lake Street (North of Ellis -12") - \$64,440, Lake Street (North of Ellis 10") - \$34,722, D Street (North of Ellis - 12") - \$64,440

Justification: Planned growth in this quadrant of the City requires construction of various sewer improvements as are identified in the Sewer Master Plan.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Construction-Contract					210,000	210,000
Total					210,000	210,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
DIF:4101 Sewer NE Quadrant Impact Fee					210,000	210,000
Total					210,000	210,000

CITY OF MADERA

PROJECT DETAILS

Engineering

S-000998 Northwest Quad Sewer Improvement **Project Number: S-000998**

Project Cost: \$250,000 **Project Manager:** Keith Helmuth
Category: Reimbursements **Phase:** N/A

Description: Construct sewer improvements within the northwest quadrant in response to need and as identified in the Sewer Master Plan for that Area and/or reimburse developers for those same improvements if constructed as part of a development project.

Partial list includes: North of River (10") - \$82,700; North of River (12") - \$189,300, North of River (15") - \$80,000

Justification: Planned growth in this quadrant of the City requires construction of various sewer improvements as are identified in the Sewer Master Plan.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Construction-Contract					250,000	250,000
Total					250,000	250,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
DIF:4099 Sewer Existing Area Impact Fee					125,000	125,000
DIF:4100 Sewer NW Quadrant Impact Fee					125,000	125,000
Total					250,000	250,000

CITY OF MADERA

PROJECT DETAILS

Engineering

S-000999 Reimbursements - Sewer Construction **Project Number: S-000999**

Project Cost: \$100,000 **Project Manager:** Keith Helmuth
Category: Reimbursements **Phase:** N/A

Description: Reimbursements to various developers for previously constructed sewer pipe related improvements that have either not been requested for reimbursement by the developer or not paid due to inadequate funding.

Justification: Improvements have been constructed and are included within the list of improvements eligible for reimbursements.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Developer Reimbursement					100,000	100,000
Total					100,000	100,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
DIF:4099 Sewer Existing Area Impact Fee					100,000	100,000
Total					100,000	100,000

CITY OF MADERA

PROJECT DETAILS

Engineering

S-STDY-1 Sewer System Assess/Rehab **Project Number: S-STDY-1**

Project Cost: \$360,000 **Project Manager:** Ellen Bitter
Category: Administrative **Phase:**

Description: Assessment of City sanitary sewer conditions to determine if they require repair or rehabilitation.

Justification: City-wide sanitary sewer facilities have been observed to be deteriorating and in need of repair, rehabilitation or even replacement.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
236,175	Engineering/Administration	25,000					25,000
	Study/Report	98,825					98,825
Total	Total	123,825					123,825

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
236,175	Sewer Utility Fund: 20403420	123,825					123,825
Total	Total	123,825					123,825

CITY OF MADERA

PROJECT DETAILS

Engineering

S-STDY-2 Sewer Asset Mgmt Software **Project Number: S-STDY-2**

Project Cost: \$75,000 **Project Manager:** Ellen Bitter
Category: Administrative **Phase:**

Description: Purchase asset management software to compile condition assessment data and track improvements and work orders.

Justification: Moving forward to a platform readily accessible to all staff and for efficient management and planning activities.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Other	75,000					75,000
Total	75,000					75,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Sewer Utility Fund: 20403420	75,000					75,000
Total	75,000					75,000

CITY OF MADERA

PROJECT DETAILS

Engineering

S-VI-002 Sewer Main Video Inspection **Project Number: S-VI-002**

Project Cost: \$1,268,446 **Project Manager:** Ellen Bitter
Category: Administrative **Phase:**

Description: Retain a consultant(s) to conduct sewer main video inspection and condition assessment for existing sewer system facilities to include inventory of age, size, type, condition, etc.; non-destructive testing; GIS integration; computer analysis; rehab and replacement strategies; prioritization; cost estimates and support. Funded through the rate increase.

Justification: A condition assessment including development of an asset management program is needed to properly prioritize, schedule and justify funding expenditures for rehabilitation and replacement to extend the life of the system and prevent breaks that could disrupt service and/or cause significant damage.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
527,516	Construction Management-Staff	740,930					740,930
Total	Total	740,930					740,930

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
527,516	Sewer Utility Fund: 20403420	740,930					740,930
Total	Total	740,930					740,930

CITY OF MADERA

PROJECT DETAILS

Engineering

SD-00014 NW Quad Storm Drain Improvement	Project Number:	SD-00014
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Project Cost: \$7,400,000	Project Manager: Keith Helmuth	
Category: Storm Drain	Phase: CONSTRUCTION	

Description: Construct storm drain improvements within the Northwest quadrant in response to need and as identified in the Storm Drain Master Plan for that Area and/or reimburse developers for those same improvements if constructed as part of a development project.

Includes 3 basins and 16 pipes of various sizes and lengths - \$7,400,000

Justification: Planned growth in this quadrant of the City requires construction of various storm drain improvements as are identified in the Storm Drain Master Plan.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Construction-Contract					7,400,000	7,400,000
Total					7,400,000	7,400,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
DIF:4105 Storm Drain NW Quadrant Impact Fee					7,400,000	7,400,000
Total					7,400,000	7,400,000

CITY OF MADERA

PROJECT DETAILS

Engineering

SD-00015 SE Quad Storm Drain Improvements **Project Number: SD-00015**

Project Cost: \$17,500,000 **Project Manager:** Keith Helmuth
Category: Storm Drain **Phase:** CONSTRUCTION

Description: Construct storm drain improvements within the Southeast quadrant in response to need and as identified in the Storm Drain Master Plan for that Area and/or reimburse developers for those same improvements if constructed as part of a development project.

Includes 10 basins and 48 pipes of various sizes and lengths - \$17,500,000

Justification: Planned growth in this quadrant of the City requires construction of various storm drain improvements as are identified in the Storm Drain Master Plan.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Construction-Contract					17,500,000	17,500,000
Total					17,500,000	17,500,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
DIF:4108 Storm Drain SE					17,500,000	17,500,000
Quadrant Impact Fee						
Total					17,500,000	17,500,000

CITY OF MADERA

PROJECT DETAILS

Engineering

SD-13-PX Retention Basin Land Acquisition	Project Number:	SD-13-PX
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Project Cost: \$140,000	Project Manager: Keith Helmuth
Category: Storm Drain	Phase: DESIGN

Description: Identify, prioritize and purchase land at locations where development is anticipated to occur in the near term.

This task will only proceed to the degree funding is available.

Justification: Advance planning and purchase of right-of-way reduces the potential for a series of temporary basins as part of individual development project.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Land Acquisition	40,000	30,000	30,000			100,000
Design-Consultant Engineering	10,000	10,000	10,000	10,000		40,000
Total	50,000	40,000	40,000	10,000		140,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
DIF:4104 Drainage System Existing Area Impact Fee	20,000	10,000	10,000			40,000
DIF:4105 Storm Drain NW Quadrant Impact Fee	20,000	10,000	10,000			40,000
DIF:4107 Storm Drain SW Quadrant Impact Fee	20,000					20,000
DIF:4108 Storm Drain SE Quadrant Impact Fee	20,000	10,000	10,000			40,000
Total	80,000	30,000	30,000			140,000

CITY OF MADERA

PROJECT DETAILS

Engineering

SD-14-P11 Granada Dr/Ave 12.5 Retention Basin	Project Number:	SD-14-P11
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Project Cost: \$105,000	Project Manager: Keith Helmuth
Category: Storm Drain	Phase: DESIGN

Description: Identify location, acquire land and prepare preliminary estimates of costs in advance of engineering and construction.

This task will only proceed to the degree funding is available and may be moved up in priority based on availability of funds.

Justification: Advance planning and purchase of right-of-way reduces the potential for a series of temporary basins as part of individual development project.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
5,000	Land Acquisition		80,000				80,000
	Design-Consultant Engineering		20,000				20,000
Total	Total		100,000				100,000

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
5,000	DIF:4107 Storm Drain SW		100,000				100,000
	Quadrant Impact Fee						
Total	Total		100,000				100,000

CITY OF MADERA

PROJECT DETAILS

Engineering

SD-15-P7 Ellis St/Krohn St Retention Basin **Project Number: SD-15-P7**

Project Cost: \$105,000 **Project Manager:** Keith Helmuth
Category: Storm Drain **Phase:** DESIGN

Description: Identify location, acquire land and prepare preliminary estimates of costs in advance of engineering and construction.

This task will only proceed to the degree funding is available.

Justification: Advance planning and purchase of right-of-way reduces the potential for a series of temporary basins as part of individual development project.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
5,000	Land Acquisition		80,000				80,000
	Design-Consultant Engineering		20,000				20,000
Total	Total		100,000				100,000

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
5,000	DIF:4106 Storm Drain NE		100,000				100,000
	Quadrant Impact Fee						
Total	Total		100,000				100,000

CITY OF MADERA

PROJECT DETAILS

Engineering

SD-P18 Sienna Basin	Project Number:	SD-P18
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Project Cost: \$240,000	Project Manager: Keith Helmuth	
Category: Storm Drain	Phase:	

Description: Purchase basin or reimburse basin purchase from developer and expand as required per storm drain master plan.

Justification: Required for existing demands.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
125,000	Design-Consultant Engineering	20,000					20,000
	Construction-Contract	95,000					95,000
Total	Total	115,000				115,000	

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
125,000	DIF:4108 Storm Drain SE	115,000					115,000
	Quadrant Impact Fee						
Total	Total	115,000				115,000	

CITY OF MADERA

PROJECT DETAILS

Engineering

SS-00001 Wessmith Way Sewer Main Replace **Project Number: SS-00001**

Project Cost: \$49,000 **Project Manager:** Ellen Bitter
Category: Sewer **Phase:** CONSTRUCTION

Description: Replace 155-feet of existing 10-inch sanitary sewer main with new 15-inch main on Wessmith Wy. From 155-feet east of Lake St. to Lake St.

Justification: Existing sewer main is under size for full build out.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
10,000	Construction-Contract	35,000					35,000
	Construction Management-Staff	4,000					4,000
Total	Total	39,000					39,000

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
10,000	DIF:4099 Sewer Existing Area Impact Fee	18,330					18,330
	Sewer Utility Fund: 20403420	20,670					20,670
Total	Total	39,000					39,000

CITY OF MADERA

PROJECT DETAILS

Engineering

SS-0002 Sherwood Way Sewer Main Replace	Project Number:	SS-0002
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Project Cost: \$652,000	Project Manager: Ellen Bitter
Category: Sewer	Phase: DESIGN

Description: Replace 1,830-feet of existing 12-inch sanitary sewer main with new 15-inch main on Sherwood Way from Lake St. to 180-feet west of Nebraska Ave. and replace 430-feet of existing 8-inch sewer main with new 8-inch sewer main in alley bounded by Lake & Fresno and Daulton & Riverside.

Justification: Existing sewer main is under size for full build out.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
78,000	Construction-Contract	531,000					531,000
	Construction Management-Staff	43,000					43,000
	Total	574,000					574,000

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
78,000	DIF:4099 Sewer Existing Area Impact Fee	180,350					180,350
	Sewer Utility Fund: 20403420	393,650					393,650
	Total	574,000					574,000

CITY OF MADERA

PROJECT DETAILS

Engineering

SS-00006 Fairgrounds Liftstation-VFD	Project Number:	SS-00006
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Project Cost: \$650,000	Project Manager: Victor Aldama	
Category: Sewer	Phase: CONSTRUCTION	

Description: Install new pumps equipped with variable frequency drives (VFD's) to include electrical work and appurtenances.

Justification: Improve the performance of the pumps at the lift station resulting in a more efficient and economical system.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
25,000	Construction-Contract	585,000					585,000
	Construction Management-Staff	40,000					40,000
Total							
	Total	625,000					625,000

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
25,000	DIF:4099 Sewer Existing Area Impact Fee	225,000					225,000
	Sewer Utility Fund: 20403420	400,000					400,000
Total							
	Total	625,000					625,000

CITY OF MADERA

PROJECT DETAILS

Engineering

SS-0007 Airport Lift Station Force Main Study	Project Number:	SS-0007
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Project Cost: \$20,000	Project Manager: Ellen Bitter
Category: Sewer	Phase:

Description: Project development and preliminary engineering to analyze force main and lift station configuration.

Justification: Public Works experiences clogging issues with this force main to gravity line.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering	20,000					20,000
Total	20,000					20,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Sewer Utility Fund: 20403420	20,000					20,000
Total	20,000					20,000

CITY OF MADERA

PROJECT DETAILS

Engineering

SS-00008 2018 Sewer Manhole Project	Project Number:	SS-00008
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Project Cost: \$50,000	Project Manager: Ellen Bitter
Category: Sewer	Phase:

Description: Make corrective improvements to existing manholes. Raise to grade; improve connections, eliminate catch points.

Justification: Several manholes have been identified as deficient and inaccessible through the CCTV of the sewer mains.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering	10,000					10,000
Utility Relocation	40,000					40,000
Total	50,000					50,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Sewer Utility Fund: 20403420	50,000					50,000
Total	50,000					50,000

CITY OF MADERA

PROJECT DETAILS

Engineering

SS-00009 2018 Sewer Repairs **Project Number: SS-00009**

Project Cost: \$500,000 **Project Manager:** Ellen Bitter
Category: Sewer **Phase:**

Description: Repair and rehabilitate pipelines identified through the CCTV phase of the Sewer Condition Assessment.

Justification: Consultant recommends immediate repair, rehabilitation or replacement of lines.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering	20,000					20,000
Construction-Contract	450,000					450,000
Construction Management-Staff	30,000					30,000
Total	500,000					500,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Sewer Utility Fund: 20403420	500,000					500,000
Total	500,000					500,000

CITY OF MADERA

PROJECT DETAILS

Engineering

SS-00010 Airport Lift Station Pumps Replacement **Project Number: SS-00010**

Project Cost: \$150,000 **Project Manager:** Ellen Bitter
Category: Sewer **Phase:**

Description: Replace Airport lift station pumps.
Justification: Identified in the CIP portion of the 2015 Utility Rate Study Report. April 2018 Draft Condition Assessment confirms that mechanical equipment is at end of useful life and at high risk of failure.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Construction-Contract	120,000					120,000
Construction Management-Staff	30,000					30,000
Total	150,000					150,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Sewer Utility Fund: 20403420	150,000					150,000
Total	150,000					150,000

CITY OF MADERA

PROJECT DETAILS

Engineering

SS-00011 Mainberry Sewer - Howard to Sunset	Project Number:	SS-00011
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Project Cost: \$450,000	Project Manager: Ellen Bitter
Category: Sewer	Phase:

Description: Mainberry Blvd. sewer between Howard Road and Sunset Avenue

Justification: Identified in the CIP portion of the 2015 Utility Rate Study Report. Attempts to video camera the line indicate major root damage to clay pipe. City called out often to make lateral repairs due to root damage. Portion from Sunset to Camden replaced in January 2016.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Construction-Contract	360,000					360,000
Construction Management-Staff	90,000					90,000
Total	450,000					450,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Sewer Utility Fund: 20403420	450,000					450,000
Total	450,000					450,000

CITY OF MADERA

PROJECT DETAILS

Engineering

TS-00017 Granada Dr/Howard Rd Traffic Signal **Project Number: TS-00017**

Project Cost: \$537,021 **Project Manager:** Victor Aldama
Category: Traffic Signal **Phase:** DESIGN

Description: Add traffic signal at Granada Drive and Howard Road.

Justification: Traffic safety.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
50,511	Design-Consultant Engineering	13,118					13,118
Total	Construction-Contract	420,000					420,000
	Right of Way Costs	11,000					11,000
	Construction Management-Staff	37,000					37,000
	Design-Staff	5,392					5,392
	Total	486,510					486,510

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
46,511	DIF:4097 Traffic Signal Impact Fee	385,510					385,510
Total	Measure T - RTP/3R: 41514470	105,000					105,000
	Total	490,510					490,510

CITY OF MADERA

PROJECT DETAILS

Engineering

TS-00019 Howard Rd/Westberry Traffic Signal **Project Number: TS-00019**

Project Cost: \$514,767 **Project Manager:** Les Jorgensen
Category: Traffic Signal **Phase:** DESIGN/CONSTRUCTION



Description: Install a traffic signal at the intersection of Westberry Blvd. and Howard Rd.

Justification: Emission reduction for CMAQ project and traffic safety.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
53,357	Design-Consultant Engineering	25,582					25,582
Total	Construction-Contract	369,000					369,000
	Right of Way Costs	17,853					17,853
	Environmental	1,915					1,915
	Construction Management-Staff	4,200					4,200
	Design-Staff	10,060					10,060
	CMCINSP	32,800					32,800
	Total	461,410					461,410

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
53,357	CMAQ - Streets: 41705070	332,141					332,141
Total	DIF:4097 Traffic Signal Impact Fee	97,900					97,900
	LTF - Streets: 42005330	31,369					31,369
	Total	461,410					461,410

CITY OF MADERA

PROJECT DETAILS

Engineering

TS-00020 Sunrise Ave/Tozer St Traffic Signal **Project Number: TS-00020**

Project Cost: \$385,000 **Project Manager:** Keith Helmuth
Category: Traffic Signal **Phase:** DESIGN

Description: Install a traffic signal at the intersection of Sunrise Avenue and Tozer Street.

Justification: Emission reduction.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering				35,000		35,000
Construction-Contract					340,000	340,000
Construction Management-Staff					10,000	10,000
Total				35,000	350,000	385,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
DIF:4097 Traffic Signal Impact Fee				35,000	350,000	385,000
Total				35,000	350,000	385,000

CITY OF MADERA

PROJECT DETAILS

Engineering

TS-00022 4th St Traffic Signal Interconnect **Project Number: TS-00022**

Project Cost: \$21,200 **Project Manager:** Jose Aguilar
Category: Traffic Signal **Phase:**

Description: Provide hardwire connection and coordinated timing plans for six (6) traffic signals along 4th Street at the following intersections:
 Sunset Avenue
 "I" Street
 "H" Street
 "G" Street
 Gateway Drive
 "D" Street

Justification: Improved traffic flow along corridor reduces congestion and travel times, thereby improving air quality.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
4,000	Design-Consultant Engineering	1,800					1,800
	Construction-Contract	12,500					12,500
Total	Construction Management-Staff	2,900					2,900
	Total	17,200					17,200

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
4,000	SJVAPCD - Remove II Grant: 41305422	17,200					17,200
Total	Total	17,200					17,200

CITY OF MADERA

PROJECT DETAILS

Engineering

TS-00023 HOPYQ Intersection Traffic Signals **Project Number: TS-00023**

Project Cost: \$135,000 **Project Manager:** Ellen Bitter
Category: Traffic Signal **Phase:**

Description: Traffic signal modifications and intersection improvements at Howard Road, Olive Avenue, Pine Street, Yosemite Avenue & Q Street intersection.

Justification: Emission reduction for CMAQ project and traffic safety.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering	15,000					15,000
Construction-Contract		110,000				110,000
Construction Management-Staff		10,000				10,000
Total	15,000	120,000				135,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
CMAQ - Streets: 41705070	13,000	107,000				120,000
LTF - Streets: 42005330	2,000	13,000				15,000
Total	15,000	120,000				135,000

CITY OF MADERA

PROJECT DETAILS

Engineering

TS-00024 Cleveland/Granada Dr Traffic Signal **Project Number: TS-00024**

Project Cost: \$375,000 **Project Manager:** Keith Helmuth
Category: Traffic Signal **Phase:**

Description: Install traffic signal at Cleveland Ave. and Granada Dr.
Justification: Traffic and pedestrian safety.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering					35,000	35,000
Construction-Contract					300,000	300,000
Construction Management-Staff					40,000	40,000
Total					375,000	375,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
DIF:4097 Traffic Signal Impact Fee					375,000	375,000
Total					375,000	375,000

CITY OF MADERA

PROJECT DETAILS

Engineering

TS-00028 Sunrise Ave/Lily St Rapid Flashing Beacon	Project Number:	TS-00028
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Project Cost: \$32,000	Project Manager: Victor Aldama	
Category: Traffic Signal	Phase:	

Description: Installation of rectangular flashing beacon at intersection of Sunrise Avenue and Lily Street.

Justification: Installation of Rectangular Rapid Flashing Beacon for safety concerns from parents of students attending Rose Lee Elementary School. The proposed location experiences high volume of pedestrian traffic crossing Sunrise Ave.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Construction-Contract		25,300				25,300
Environmental	2,100					2,100
Construction Management-Staff		2,300				2,300
Design-Staff	2,300					2,300
Total	4,400	27,600				32,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
CDBG - Public Impr. Streets: 10218020	32,000					32,000
Total	32,000					32,000

CITY OF MADERA

PROJECT DETAILS

Engineering

TS-00029 Stadium Rd/Gary Ln Hawk Pedestrian Signal **Project Number: TS-00029**

Project Cost: \$154,550 **Project Manager:** Victor Aldama
Category: Traffic Signal **Phase:**

Description: Installation of Hawk pedestrian signal at intersection of Stadium Road and Gary Lane.

Justification: Stadium road currently consists of two lane roadway, but is planned for a four lane roadway in the future. The road already includes two lanes southbound south of this location. Four lane roadways are inherently less safe than two lane roadways when it comes to crosswalks. Currently, the crosswalk at Stadium Road and Gary Street is experiencing heavy traffic volumes from multiple schools between Pecan and Olive with similar schedule of protection than what a lesser form of protection such as Rectangular Flashing Beacons might provide because of the factors discussed previously. The proposed Hawk Pedestrian Signal represents the next level of pedestrian control and is believed to be the most appropriate measure for pedestrian safety at this location.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering	11,300					11,300
Construction-Contract		124,300				124,300
Environmental	2,000					2,000
Construction Management-Staff		11,300				11,300
Design-Staff	5,650					5,650
Total	18,950	135,600				154,550

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
CDBG - Public Impr. Streets: 10218020	18,950	121,050				140,000
LTF - Streets: 42005330		14,550				14,550
Total	18,950	135,600				154,550

CITY OF MADERA

PROJECT DETAILS

Engineering

W-000003 Water Main Upgrades - Locations 1-12 **Project Number: W-000003**

Project Cost: \$850,000 **Project Manager:** Ellen Bitter
Category: Water **Phase:** DESIGN

Description: Replace undersize 4" pipes with larger PVC to include valves & appurtenances at the following locations:
 Oak Street - Pine to Cypress
 Olive Ave. - P to Q Street
 P Street - 4th to 5th
 O/P Alley - 6th to Olive
 10th - D to UPRR
 12th - E to D Alley
 14th - D to Olive
 5th - Gateway to G
 2nd - C to E
 B St.- Central to River
 6th - Lake St. to Vineyard

Justification: Undersize pipes need to be upgraded to provide sufficient supply of potable water. These need to be re-evaluated as have carried over for many years.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering	100,000					100,000
Construction-Contract		640,000				640,000
Construction Management-Staff		110,000				110,000
Total	100,000	750,000				850,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Water Utility Fund: 20303830	850,000					850,000
Total	850,000					850,000

CITY OF MADERA

PROJECT DETAILS

Engineering

W-000004 Water Main Upgrades - Locations 13-23 **Project Number: W-000004**

Project Cost: \$1,500,000 **Project Manager:** Ellen Bitter
Category: Water **Phase:** DESIGN

Description: Replace undersize pipes with larger PVC to include valve & appurtenance at the following locations:

- Fresno Street - Riverside to Dalton
- Riverside Alley @ Dalton
- Merced St. - Dalton to Riverside
- B Street - 10th to 13th
- 11th Street - A to 200ft E/O A Street
- Nebraska - Cleveland to James Way
- Wilson - Owens to Sharon
- Adell - Lake to Merced
- Harding - Davis to Torres Way
- Wallace - Sunrise to Sierra Vista School
- Lake - Wallace to Hull
- Lincoln - Tulare to 2 blks east

Justification: Undersize pipes need to be upgraded to provide sufficient supply of potable water.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering	120,000					120,000
Construction-Contract			1,180,000			1,180,000
Construction Management-Staff			200,000			200,000
Total	120,000		1,380,000			1,500,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Water Utility Fund: 20303830	1,500,000					1,500,000
Total	1,500,000					1,500,000

CITY OF MADERA

PROJECT DETAILS

Engineering

W-000006 H St-Water Main Upgrades **Project Number: W-000006**

Project Cost: \$265,000 **Project Manager:** Ellen Bitter
Category: Water **Phase:** DESIGN

Description: Water projects system upgrades at H Street - 11th to Madera Avenue. Install new 12" main from existing 12" crossing SR99 at 10th Street alignment, southerly on "H" Street, across Madera Avenue to 11th Street. Bore under Madera Avenue (SR145).

Project is 90% design by CDM as part of 2010 Water System Improvements - Bid Pack 2 along with W-07 and W-08. Shelved due to lack of funding.

Should be constructed in conjunction with W-08.

Justification: Project identified in 1997 Master Plan to provide pipeline reinforcements between South and East Madera as "Improvements No. 1.2" that includes W-06 and W-08

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering	8,000					8,000
Construction-Contract		230,000				230,000
Construction Management-Staff		25,000				25,000
Design-Staff	2,000					2,000
Total	10,000	255,000				265,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Water Utility Fund: 20303830	10,000	255,000				265,000
Total	10,000	255,000				265,000

CITY OF MADERA

PROJECT DETAILS

Engineering

W-000008 10th St-Water Main Upgrades	Project Number:	W-000008
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Project Cost: \$780,000	Project Manager: Ellen Bitter
Category: Water	Phase: DESIGN

Description: New 12" from W-06 (12" installed "H" Street and 11th), east on 11th, under UPRR to east. North on "E" Street to 10th Street, east on 10th Street to "D" Street. Connect to existing 10".

Part of 2010 Water Improvements - Bid Package 2. 90% design. Shelved due to lack of funding.

Should be constructed in conjunction with W-06.

Justification: Project identified in 1997 Master Plan to provide pipeline reinforcements between South and East Madera as "Improvements No. 1.2" that includes W-06 and W-08

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering		10,000				10,000
Construction-Contract			700,000			700,000
Construction Management-Staff			70,000			70,000
Total		10,000	770,000			780,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Water Utility Fund: 20303830		10,000	770,000			780,000
Total		10,000	770,000			780,000

CITY OF MADERA

PROJECT DETAILS

Engineering

W-000009 Gateway-Riverside River Crossing **Project Number: W-000009**

Project Cost: \$315,000 **Project Manager:** Ellen Bitter
Category: Water **Phase:** DESIGN/CONSTRUCTION

Description: Water main replacement at River Crossing@ Gateway, Riverside/Sonora to Water Well No. 18 at Gateway.

Justification: Water main beneath river is deteriorating and in need of replacement.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
2,724	Design-Consultant Engineering	25,000					25,000
	Construction-Contract	267,000					267,000
	Construction Management-Staff	15,288					15,288
	Design-Staff	4,988					4,988
	Total	312,276					312,276

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
2,724	Water Utility Fund: 20303830	312,276					312,276
	Total	312,276					312,276

CITY OF MADERA

PROJECT DETAILS

Engineering

W-000017 Well 27 Pipe Outfall Extension	Project Number:	W-000017
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Project Cost: \$575,000	Project Manager: Victor Aldama
Category: Water	Phase: DESIGN

Description: Pipeline outfall extension - Well No. 27. Install a pipeline 200 feet down Almond to provide relief line.

Justification: Granulated Activated Carbon filter system is backflushed twice a year. Currently, the well water floods the street. System will install a pipeline 200 feet down Almond to provide for relief line.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
45,000	Construction-Contract	500,000					500,000
	Construction Management-Staff	30,000					30,000
Total	Total	530,000				530,000	

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
45,000	Water Utility Fund: 20303830	530,000					530,000
Total	Total	530,000				530,000	

CITY OF MADERA

PROJECT DETAILS

Engineering

W-000020 Well 28 Pump Replacement	Project Number:	W-000020
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Project Cost: \$500,000	Project Manager: Ellen Bitter
Category: Water	Phase: DESIGN

Description: Replace pump at well No. 28 at Storey & Tozer Road

Justification: Prolonged use of pumps caused inefficiency and costly energy use. PG&E will provide funds to replace units thereby saving electricity.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering	20,000					20,000
Construction-Contract	470,000					470,000
Construction Management-Staff	10,000					10,000
Total	500,000					500,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Water Utility Fund: 20303830	500,000					500,000
Total	500,000					500,000

CITY OF MADERA

PROJECT DETAILS

Engineering

W-00022 Water Tower Recoating	Project Number:	W-00022
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Project Cost: \$1,500,000	Project Manager: Keith Helmuth
Category: Water	Phase: DESIGN

Description: Recoating of the water tower interior lining

Justification: Recoating to prevent rust and deterioration of interior lining of the water tower

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
10,000	Construction-Contract	1,450,000					1,450,000
	Construction Management-Staff	40,000					40,000
Total	Total	1,490,000					1,490,000

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
10,000	Water Utility Fund: 20303830	1,490,000					1,490,000
Total	Total	1,490,000					1,490,000

CITY OF MADERA

PROJECT DETAILS

Engineering

W-000026 Water Tower Demolition **Project Number: W-000026**

Project Cost: \$300,000 **Project Manager:** Jimmy Monreal
Category: Water **Phase:**

Description: Remove existing water tower located at the Frank Bergon Senior Center (238 S. "D" Street) and perform environmental remediation of the dismantled pieces for proper disposal.

Justification: The expense of restoring the water tower structurally and environmentally has been estimated by the Public Works Department to be in a ballpark area of \$1,000,000 - well over the estimated removal costs. These funds do not presently exist which would leave the current safety concerns in place until such fund could be secured, if ever.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
15,000	Construction-Contract		275,000				275,000
	Construction Management-Staff		10,000				10,000
Total	Total		285,000				285,000

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
15,000	Water Utility Fund: 20303830		285,000				285,000
Total	Total		285,000				285,000

CITY OF MADERA

PROJECT DETAILS

Engineering

W-000029 Downtown Valve Replacement **Project Number: W-000029**

Project Cost: \$130,000 **Project Manager:** Ellen Bitter
Category: Water **Phase:** CONSTRUCTION

Description: Replace 26 valves in the downtown area.
Justification: This project was submitted from Public Works into the CIP plan for the water rate increases.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Construction-Contract	130,000					130,000
Total	130,000					130,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Water Utility Fund: 20303830	130,000					130,000
Total	130,000					130,000

CITY OF MADERA

PROJECT DETAILS

Engineering

W-000031 Manual Read Water Meter Replacements/AMR **Project Number: W-000031**

Project Cost: \$1,500,000 **Project Manager:** Ellen Bitter
Category: Water **Phase:**

Description: Replacement of over 600 manual read commercial, multi-family and residential meters of various sizes with automatic read meter.

Justification: Current meters are over 20 years old. The average life expectancy of a meter is approximately 20-years depending on amount of water usage. The majority of these meters are commercial and multi-family with some residential in gated communities. Due to the age of the meters, it is probable that the meters do not read accurately, therefore the City is not receiving the full potential of revenues for water consumption. The registers on some of the meters have become worn and damaged making it difficult or impossible to obtain accurate readings.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Construction-Contract	240,000	270,000	270,000	270,000	270,000	1,320,000
Construction Management-Staff	60,000	30,000	30,000	30,000	30,000	180,000
Total	300,000	300,000	300,000	300,000	300,000	1,500,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Water Utility Fund: 20303830	300,000	300,000	300,000	300,000	300,000	1,500,000
Total	300,000	300,000	300,000	300,000	300,000	1,500,000

CITY OF MADERA

PROJECT DETAILS

Engineering

W-000032 2018-19 New Water Meter Installations **Project Number: W-000032**

Project Cost: \$400,000 **Project Manager:** Ellen Bitter
Category: Water **Phase:**

Description: 2018-19 New water meter installations.
Justification: Install water meters at unmetered locations including landscape districts.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Construction-Contract	320,000					320,000
Construction Management-Staff	80,000					80,000
Total	400,000					400,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Water Utility Fund: 20303830	400,000					400,000
Total	400,000					400,000

CITY OF MADERA

PROJECT DETAILS

Engineering

W-000999 Reimbursements - Water Mains Project Number: W-000999

Project Cost: \$225,963 **Project Manager:** Keith Helmuth
Category: Reimbursements **Phase:** N/A

Description: Reimbursements to various developers for previously constructed water pipe related improvements that have either not been requested for reimbursement by the developer or not paid due to inadequate funding.

Justification: Improvements have been constructed and are included within the list of improvements eligible for reimbursement

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Developer Reimbursement			47,200		178,763	225,963
Total			47,200		178,763	225,963

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
DIF:4081 Water Pipes Impact Fee			47,200		178,763	225,963
Total			47,200		178,763	225,963

CITY OF MADERA

PROJECT DETAILS

Engineering

W-GW-001 Water Well 37-Install Pump **Project Number: W-GW-001**

Project Cost: \$1,012,000 **Project Manager:** Ellen Bitter
Category: Water **Phase:** CONSTRUCTION

Description: Install pump and electrical equipment at previously drilled well. Design drawings are complete.

Justification: Water system analysis indicates the City requires additional well capacity to meet peak hour demand and or redundancy.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Construction-Contract				942,000		942,000
Construction Management-Staff				70,000		70,000
Total				1,012,000		1,012,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Water Utility Fund: 20303830				1,012,000		1,012,000
Total				1,012,000		1,012,000

CITY OF MADERA

PROJECT DETAILS

Engineering

W-GW-002 Water Well 35-Ellis w/o Chapin	Project Number:	W-GW-002
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Project Cost: \$2,011,000	Project Manager: Keith Helmuth
Category: Water	Phase: CONSTRUCTION

Description: Construct water well in accordance with the Water System Master Plan. Design is complete. The site has been improved and the shaft has been drilled. Site is not currently owned by the City. This site will require water treatment for manganese.

Justification: Represents a well that will be needed per analysis contained in the Water System Master Plan to serve existing development.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Construction-Contract					1,911,000	1,911,000
Construction Management-Staff					100,000	100,000
Total					2,011,000	2,011,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Water Utility Fund: 20303830					2,011,000	2,011,000
Total					2,011,000	2,011,000

CITY OF MADERA

PROJECT DETAILS

Engineering

W-GW-0024 Sharon Blvd. S/O Ave 17 - Well	Project Number:	W-GW-0024
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Project Cost: \$2,000,000	Project Manager: Keith Helmuth
Category: Water	Phase:

Description: Construct water well in accordance with the Water System Master Plan in conjunction with an approved development agreement. When complete and accepted, the developer will receive reimbursements as specified in the agreement.

Justification: Represents a well that will be needed per analysis contained in the Water System Master Plan to serve existing and proposed development.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Developer Reimbursement	2,000,000					2,000,000
Total	2,000,000					2,000,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Water Utility Fund: 20303830	2,000,000					2,000,000
Total	2,000,000					2,000,000

CITY OF MADERA

PROJECT DETAILS

Engineering

W-GW-003 Water Well 36- SR145/Indigo	Project Number:	W-GW-003
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Project Cost: \$2,011,000	Project Manager: Keith Helmuth
Category: Water	Phase: DESIGN

Description: Construct water well in accordance with the Water System Master Plan.

Justification: Represents a well that will be needed per analysis contained in the Water System Master Plan to serve existing development.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering				121,000	1,890,000	2,011,000
Total				121,000	1,890,000	2,011,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Water Utility Fund: 20303830				121,000	1,890,000	2,011,000
Total				121,000	1,890,000	2,011,000

CITY OF MADERA

PROJECT DETAILS

Engineering

W-PNE-04 Lake St Water Main-Ellis to Ave 17	Project Number:	W-PNE-04
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Project Cost: \$700,000	Project Manager: Ellen Bitter
Category: Water	Phase: DESIGN

Description: Construct 24-inch water line in Lake Street conjunction with a 6.75 million gallon tank at or near Avenue 17 and Road 27

Justification: Near Term - . Tank and pump offset impacts of drought conditions when municipal wells exhibit reduced capacity during peak hours. Pipe is necessary to convey flow to and from tank
 Long Term - Provide storage on east side of city given majority of pumping is proposed to occur on the west side of the City per the Water System Master Plan.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering	85,000					85,000
Construction-Contract		565,000				565,000
Construction Management-Staff		50,000				50,000
Total	85,000	615,000				700,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Water Utility Fund: 20303830	85,000	615,000				700,000
Total	85,000	615,000				700,000

CITY OF MADERA

PROJECT DETAILS

Engineering

W-PS-001 Ave 17 & Lake Pump Station/Tank **Project Number: W-PS-001**

Project Cost: \$6,732,000 **Project Manager:** Ellen Bitter
Category: Water **Phase:** DESIGN

Description: Construct 4,300 GPM pump station in conjunction with a 6.75 million gallon tank at or near Avenue 17 and Lake Street (Road 27)

Justification: Near Term - . Tank and pump offsets impacts of drought conditions when municipal wells exhibit reduced capacity during peak hours
 Long Term - Provide storage and pumping capacity on east side of city given majority of pumping is proposed to occur on the west side of the City per the Water System Master Plan.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering	462,000					462,000
Construction-Contract			5,700,000			5,700,000
Construction Management-Staff		377,000	193,000			570,000
Total	462,000	377,000	5,893,000			6,732,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Water Utility Fund: 20303830	462,000	4,147,000	2,123,000			6,732,000
Total	462,000	4,147,000	2,123,000			6,732,000

CITY OF MADERA

PROJECT DETAILS

Engineering

W-PSW-45 Almond Ave Water Main, Pine-Stadium **Project Number: W-PSW-45**

Project Cost: \$276,000 **Project Manager:** Ellen Bitter
Category: Water **Phase:**

Description: Install 2,600-feet of new 12-inch water line to connect to an existing 12-inch water lines to the east and west

Justification: This segment is designated as missing in the Water System Master Plan. Missing lines typically provide redundancy should one line need to be turned off. They also increase efficiency resulting in higher pressure.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Land Acquisition				62,000		62,000
Design-Consultant Engineering				26,000		26,000
Construction-Contract					171,000	171,000
Construction Management-Staff					17,000	17,000
Total				88,000	188,000	276,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
DIF:4081 Water Pipes Impact Fee				44,000	94,000	138,000
Water Utility Fund: 20303830				44,000	94,000	138,000
Total				88,000	188,000	276,000

CITY OF MADERA

PROJECT DETAILS

Engineering

W-STDY-1 Water Feasibility & New Water Supply **Project Number: W-STDY-1**

Project Cost: \$787,000 **Project Manager:** Ellen Bitter
Category: Water **Phase:**

Description: Conduct a feasibility study to determine demands that may require new water supply.

Justification: Due to increase in water usage the City needs to determine if the need of increasing the capacity of its existing water supply.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
187,000	Study/Report	150,000	150,000	150,000	150,000		600,000
Total	Total	150,000	150,000	150,000	150,000		600,000

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
187,000	Water Utility Fund: 20303830	150,000	150,000	150,000	150,000		600,000
Total	Total	150,000	150,000	150,000	150,000		600,000

CITY OF MADERA

PROJECT DETAILS

Engineering

W-STDY-2 Water System Condition Assess/Rehab **Project Number: W-STDY-2**

Project Cost: \$558,000 **Project Manager:** Ellen Bitter
Category: Water **Phase:**

Description: Retain a consultant(s) to prepare a condition assessment for existing water system facilities to include inventory of age, size, type, condition, etc.; non-destructive testing; GIS integration; computer analysis; Rehab and replacement strategies; prioritization; cost estimates and support. Funded through rate increases.

Justification: A condition assessment including development of an asset management program is needed to properly prioritize, schedule and justify funding expenditures for rehabilitation and replacement to extend the life of the system and prevent breaks that could disrupt service and/or cause significant damage.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
308,000	Design-Consultant Engineering	250,000					250,000
Total	Total	250,000					250,000

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
308,000	Water Utility Fund: 20303830	250,000					250,000
Total	Total	250,000					250,000

CITY OF MADERA

PROJECT DETAILS

Engineering

W-T-0001 Water Storage Tank Installation **Project Number: W-T-0001**

Project Cost: \$10,411,000 **Project Manager:** Ellen Bitter
Category: Water **Phase:** DESIGN

Description: Construct 6.75 million gallon tank at or near Avenue 17 and Lake Street (Road 27).

Justification: Near Term - .Offset impacts of drought conditions when municipal wells exhibit reduced capacity during peak hours
 Long Term - Provide storage on east side of city given majority of pumping is proposed to occur on the west side of the City per the Water System Master Plan.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
10,191	Design-Consultant Engineering	938,000	148,000				1,086,000
	Construction-Contract				8,720,000		8,720,000
	Right of Way Costs		300,000				300,000
	Construction Management-Staff				280,000		280,000
	Design-Staff	14,809					14,809
	Total	952,809	448,000		9,000,000		10,400,809

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
10,191	Water Utility Fund: 20303830	952,809	448,000	5,950,000	3,050,000		10,400,809
	Total	952,809	448,000	5,950,000	3,050,000		10,400,809

CITY OF MADERA

PROJECT DETAILS

Fire Department

FD-00001 Fire Station 7 - Parking Lot Paving **Project Number: FD-00001**

Project Cost: \$67,000 **Project Manager:** Keith Helmuth
Category: Public Facility **Phase:**

Description: Repave parking lot of Fire Station No. 7 on Schoor Avenue

Justification:

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Construction-Contract			64,080			64,080
Construction Management-Staff			2,920			2,920
Total			67,000			67,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
DIF:4086 Fire Department Impact Fee			67,000			67,000
Total			67,000			67,000

CITY OF MADERA

PROJECT DETAILS

Fire Department

FD-00002 Fire Station Constr, Northwest	Project Number:	FD-00002
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Project Cost: \$6,950,000	Project Manager: Les Jorgensen
Category: Public Facility	Phase:

Description: Construction of a Fire Station in the northwest quadrant of the City to accommodate new growth.

3 to 5 Acres of Land
 10,000 Square Foot Building
 Apparatus, Vehicles & Equipment

The construction of a new fire station in the northwest quadrant of the City will occur when sufficient funds are available.

Justification: The addition of new Fire Station is required to accommodate new growth.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
500,000	Construction-Contract	5,200,000					5,200,000
	Construction Management-Staff	730,000					730,000
	Contingency	520,000					520,000
	Total	6,450,000					6,450,000

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
500,000	Lease/Finance	6,450,000					6,450,000
	Total	6,450,000					6,450,000

CITY OF MADERA

PROJECT DETAILS

Fire Department

FD-00003 Fire Station 6 Parking Lot **Project Number: FD-00003**

Project Cost: \$70,000 **Project Manager:** Keith Helmuth
Category: Public Facility **Phase:** DESIGN

Description: Repave the parking lot of Fire Station 6 on Lake Street

Justification:

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Construction-Contract			67,000			67,000
Construction Management-Staff			3,000			3,000
Total			70,000			70,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
DIF:4086 Fire Department Impact Fee			70,000			70,000
Total			70,000			70,000

CITY OF MADERA

PROJECT DETAILS

Parks & Community Services

PK-00001 Ped/Bike Facilities	Project Number:	PK-00001
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Project Cost: \$257,000	Project Manager: Ellen Bitter
Category: Parks	Phase: CONSTRUCTION

Description: Maintain bike/pedestrian trails and construct new bike lanes and paths.

Justification: Maintenance and operational safety and matching funds for improvement projects.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
20,000	Construction-Contract	94,000	35,000	36,000	36,000	36,000	237,000
Total	Total	94,000	35,000	36,000	36,000	36,000	237,000

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
20,000	LTF - Parks: 42005410	94,000	35,000	36,000	36,000	36,000	237,000
Total	Total	94,000	35,000	36,000	36,000	36,000	237,000

CITY OF MADERA

PROJECT DETAILS

Parks & Community Services

PK-00008 FRT-Gateway/UPRR Undercrossing	Project Number:	PK-00008
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Project Cost: \$1,085,700	Project Manager: Ellen Bitter
Category: Parks	Phase: CONSTRUCTION

Description: This previously approved and designed project includes engineering, environmental permits and construction for a trail undercrossing at Gateway Drive and the Union Pacific Railroad trestle.

Justification: This project fills the gap in the Fresno River Trail from west side Gateway Drive, easterly to Riverside Drive, east of UPRR bridge.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
192,700	Construction-Contract	793,000					793,000
	Construction Management-Staff	90,000					90,000
	UPRR	10,000					10,000
	Total	893,000					893,000

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
192,700	ATP Grant: 41705090	379,000					379,000
	CMAQ - Parks: 41705030	298,000					298,000
	LTF - Parks: 42005410	8,000					8,000
	Measure T - Environmental Enhancement: 41570000	78,000					78,000
	SJVAPCD - Remove II Grant: 41305422	55,000					55,000
	UPRR Match Funds	75,000					75,000
	Total	893,000					893,000

CITY OF MADERA

PROJECT DETAILS

Parks & Community Services

PK-00013 Sunrise Rotary Sports Complex	Project Number:	PK-00013
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Project Cost: \$472,194	Project Manager: Ellen Bitter
Category: Parks	Phase: DESIGN

Description: This is a multi-phase project. Phase 1 completed. Phase 2 is conduit, wiring and connections and coordination for installation of new soccer field lights. Phase 3 is construction of concrete curb & gutter, chain link fence and re-grading to improve drainage. Planned improvements also include paving dirt access roads and parking areas; providing landscaping, irrigation and lighting.

Justification: Eliminate dust problem, all season access for parking.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
10,000	Design-Consultant Engineering	18,500					18,500
	Construction-Contract	403,694					403,694
Total	Construction Management-Staff	40,000					40,000
	Total	462,194					462,194

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
10,000	CDBG - Public Impr. Parks: 10218020	73,978					73,978
	Chukchansi Community Benefit Grant: 41096354	52,218					52,218
Total	DIF:4088 Parks Impact Fee	335,998					335,998
	Total	462,194					462,194

CITY OF MADERA

PROJECT DETAILS

Parks & Community Services

PK-00048 Tulare/Cleveland/Raymond Bike Path	Project Number:	PK-00048
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Project Cost: \$325,000	Project Manager: Ellen Bitter
Category: Parks	Phase: DESIGN

Description: From the current eastern end of the trail this project would create a Class II bike lane and street crossings to take trail to intersection of Raymond Road and Cleveland Avenue. A new Class I Bike Trail would be constructed running east between the River and Raymond Road to end at the eastern Madera City Limits.

Justification: Construction of Fresno River Trail master plan per Vision 2025.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering	10,000					10,000
Construction-Contract		285,000				285,000
Construction Management-Staff		30,000				30,000
Total	10,000	315,000				325,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
CMAQ - Parks: 41705030		275,000				275,000
Measure T - Environmental Enhancement: 41570000	10,000	40,000				50,000
Total	10,000	315,000				325,000

CITY OF MADERA

PROJECT DETAILS

Parks & Community Services

PK-00056 Bike/Ped Path, FRT-Cleveland Ave **Project Number: PK-00056**

Project Cost: \$384,000 **Project Manager:** Ellen Bitter
Category: Parks **Phase:** DESIGN



Description: Construct bike/pedestrian path in MID alignment north of Fresno River to Cleveland Avenue between Granada Dr. and Schnoor Ave.

Justification: Provide multi-modal pathway connecting Fresno River and commercial areas to the northwest area of Madera.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering		35,000				35,000
Construction-Contract			310,000			310,000
Environmental		10,000				10,000
Construction Management-Staff			29,000			29,000
Total		45,000	339,000			384,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
CMAQ - Parks: 41705030			300,000			300,000
Measure T - Environmental Enhancement: 41570000		45,000	39,000			84,000
Total		45,000	339,000			384,000

CITY OF MADERA

PROJECT DETAILS

Parks & Community Services

PK-00058 FRT-Granada to MID, North Bank **Project Number: PK-00058**

Project Cost: \$196,000 **Project Manager:** Ellen Bitter
Category: Parks **Phase:** DESIGN



Description: Construct Vern McCullough River bike path - north bank of Fresno River Trail from Granada Drive to MID alignment.

Justification: Continuance of recreational and commuter multi-modal trail connecting northwest Madera to existing facilities.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Land Acquisition				21,000		21,000
Design-Consultant Engineering			30,000			30,000
Construction-Contract				120,000		120,000
Environmental			10,000			10,000
Construction Management-Staff				15,000		15,000
Total			40,000	156,000		196,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
CMAQ - Parks: 41705030				35,000		35,000
Measure T - Environmental Enhancement: 41570000			40,000	121,000		161,000
Total			40,000	156,000		196,000

CITY OF MADERA

PROJECT DETAILS

Parks & Community Services

PK-00062 ADA Improvements at Pan-Am and Bergon	Project Number:	PK-00062
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Project Cost: \$65,000	Project Manager: Mark Ethridge	
Category: Street/Sidewalk	Phase:	

Description: Accessibility improvements at Pan-Am and Bergon centers in accordance with recommendation from the City of Madera's Americans with Disabilities Act (ADA) Self Evaluation and Transition Plan.

Justification: Both facilities are not 100% ADA compliant. This project will address some of the higher priority non-compliance items found in the self-evaluation.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering	5,000					5,000
Construction-Contract	55,000					55,000
Construction Management-Staff	5,000					5,000
Total	65,000					65,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
CDBG - Public Impr. Parks: 10218020	65,000					65,000
Total	65,000					65,000

CITY OF MADERA

PROJECT DETAILS

Parks & Community Services

PK-00063 Centennial Park Rehab - Lighting	Project Number:	PK-00063
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Project Cost: \$480,000	Project Manager: Mark Ethridge
Category: Parks	Phase:

Description: Installation of security lighting and other improvements at the John Wells Youth Center

Justification: Centennial Park is inadequately lit in consideration of public safety and protection of property.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
50,000	Design-Consultant Engineering	50,000					50,000
	Construction-Contract	329,000					329,000
Total	Construction Management-Staff	30,000					30,000
	Internal Cost Allocation	21,000					21,000
	Total	430,000					430,000

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
50,000	CDBG - Public Impr. Parks: 10218020	430,000					430,000
Total	Total	430,000					430,000

CITY OF MADERA

PROJECT DETAILS

Public Works

S-000011 Sewer Manhole Covers-Replacement	Project Number:	S-000011
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Project Cost: \$106,000	Project Manager: Ellen Bitter
Category: Sewer	Phase: CONSTRUCTION

Description: Replace manhole covers, rings and frames at various locations.
-Ongoing project.

Justification: Sewer manhole covers, rings and frames have been determined as deteriorated and damaged. Replacement of these manhole covers and appurtenance will eliminate the problem.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
31,000	Construction-Contract	75,000					75,000
Total	Total	75,000					75,000

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
31,000	Sewer Utility Fund: 20403420	75,000					75,000
Total	Total	75,000					75,000

CITY OF MADERA

PROJECT DETAILS

Public Works

W-000030 4th/Gateway Valve Replacement **Project Number: W-000030**

Project Cost: \$250,000 **Project Manager:** Ellen Bitter
Category: Water **Phase:**

Description: 4th/Gateway valve replacement and 12" line to Well 22

Justification: Replace deteriorating valve and line.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering		30,000				30,000
Construction-Contract			220,000			220,000
Total		30,000	220,000			250,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Water Utility Fund: 20303830		30,000	220,000			250,000
Total		30,000	220,000			250,000

CITY OF MADERA

PROJECT DETAILS

Public Works

W-000033 Residential AMR Water Meter Replacements **Project Number: W-000033**

Project Cost: \$2,560,000 **Project Manager:** Ellen Bitter
Category: Water **Phase:**

Description: Replacement of approximately 4,000 residential meters that were retrofit to read to the automatic read system during initial installation project.

Justification: The meters that were existing are at least 20 years old and were retro fit in order to enable them to read to the automatic read system during the initial AMR project in 2008/2009. These meters are beginning to fail and are currently being replaced as needed.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Construction-Contract	410,000	440,000	450,000	460,000	470,000	2,230,000
Engineering	50,000	30,000	30,000	30,000	30,000	170,000
CMCINSP	40,000	30,000	30,000	30,000	30,000	160,000
Total	500,000	500,000	510,000	520,000	530,000	2,560,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Water Utility Fund: 20303830	500,000	500,000	510,000	520,000	530,000	2,560,000
Total	500,000	500,000	510,000	520,000	530,000	2,560,000

CITY OF MADERA

PROJECT DETAILS

Public Works

W-GW-005 VFD Retrofit 4 Wells **Project Number: W-GW-005**

Project Cost: \$160,000 **Project Manager:** Ellen Bitter
Category: Water **Phase:**

Description: NEED INFO
Justification: NEED INFO

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Construction-Contract	160,000					160,000
Total	160,000					160,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Water Utility Fund: 20303830	160,000					160,000
Total	160,000					160,000

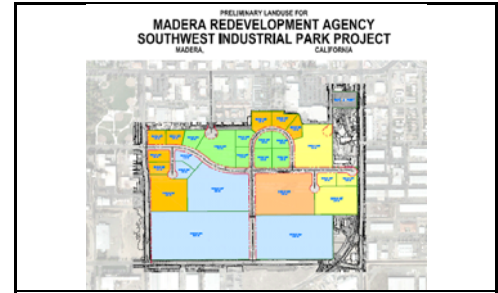
CITY OF MADERA

PROJECT DETAILS

RDA Successor Agency

RDA-16-04 SW Industrial Master Plan **Project Number: RDA-16-04**

Project Cost: \$70,000 **Project Manager:** Keith Helmuth
Category: Administrative **Phase:**



Description: Plan review, water & sewer, PG&E, develop a sellable lot or lots.

Justification: Blight elimination.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering	70,000					70,000
Total	70,000					70,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
RDA Funds	70,000					70,000
Total	70,000					70,000

CITY OF MADERA

PROJECT DETAILS

RDA Successor Agency

RDA-16-05 Adelaide Subdivision

Project Number: RDA-16-05

Project Cost: \$1,606,285 **Project Manager:** Keith Helmuth
Category: Street Construction **Phase:** DESIGN



Description: Parcel map needed for subdivision. Street project, water & sewer, joint trench, PG&E undergrounding.

706 - 728 Lilly

Justification: Blight elimination.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
37,635	Design-Consultant Engineering	85,000					85,000
Total	Construction-Contract	1,386,650					1,386,650
	Construction Management-Staff	97,000					97,000
	Total	1,568,650					1,568,650

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
37,635	RDA Funds	1,568,650					1,568,650
Total	Total	1,568,650					1,568,650

CITY OF MADERA

PROJECT DETAILS

RDA Successor Agency

RDA-17-01 Malone **Project Number: RDA-17-01**

Project Cost: \$228,946 **Project Manager:** Keith Helmuth
Category: Administrative **Phase:**

Description: Parcel map needed - increase from 4 to 6 parcels. Water & sewer, PG&E.
 309, 311, 313, 315 Malone Street

Justification: Blight elimination.



Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Construction-Contract	216,619					216,619
Construction Management-Staff	12,327					12,327
Total	228,946					228,946

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
RDA Funds	228,946					228,946
Total	228,946					228,946

CITY OF MADERA

PROJECT DETAILS

RDA Successor Agency

RDA-17-02 Yosemite Lot Plan Review **Project Number: RDA-17-02**

Project Cost: \$600,970 **Project Manager:** Keith Helmuth
Category: Administrative **Phase:**



Description: Plan review, water & sewer, PG&E, develop a sellable lot or lots.
 1321,1399,1401,1403,1405,1407 E Yosemite

Justification: Blight elimination.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Construction-Contract	540,873					540,873
Construction Management-Staff	60,097					60,097
Total	600,970					600,970

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
RDA Funds	600,970					600,970
Total	600,970					600,970

CITY OF MADERA

PROJECT DETAILS

RDA Successor Agency

RDA-18-01 Riverwalk Improvements Phase II **Project Number: RDA-18-01**

Project Cost: \$812,149 **Project Manager:** Keith Helmuth
Category: Street Construction **Phase:**

Description: Phase II - Joint trench application design construction, lot grading, final items develop sellable lots.

Justification: Blight elimination.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering	50,000					50,000
Construction-Contract	685,934					685,934
Construction Management-Staff	76,215					76,215
Total	812,149					812,149

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
RDA Funds	812,149					812,149
Total	812,149					812,149

CITY OF MADERA

PROJECT DETAILS

RDA Successor Agency

RDA-18-02 Adell St, Country Club to Lake	Project Number:	RDA-18-02
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Project Cost: \$2,000,000	Project Manager: Keith Helmuth
Category: Street Reconstruction	Phase:

Description: Construct Water, Sewer, Storm Drain between Country Club and Lake on Adell Street. Construct portion of interconnect between Kennedy & Adell through participation with a private developer.

Justification: Use of Successor Agency to RDA funds designed to develop geographic area near Adell Street re-alignment.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Design-Consultant Engineering	10,000					10,000
Construction-Contract	1,809,000					1,809,000
CMCINSP	181,000					181,000
Total	2,000,000					2,000,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
RDA Funds	2,000,000					2,000,000
Total	2,000,000					2,000,000

CITY OF MADERA

PROJECT DETAILS

Transit Program

TRANS-01 Madera Transit Center	Project Number:	Trans-01
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Project Cost: \$5,497,000	Project Manager: Les Jorgensen
Category: Transit	Phase: DESIGN/CONSTRUCTION

Description: This project includes the design & construction of the Transit Operations & Administration Facility to accommodate long term projected growth.

Justification: To provide facilities to accommodate City of Madera Transit System consistent with Vision 2025 Strategy 121.

Prior	Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
5,227,000	Construction Management-Staff	270,000					270,000
Total	Total	270,000					270,000

Prior	Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
5,227,000	FTA 21228-399	270,000					270,000
Total	Total	270,000					270,000

CITY OF MADERA

PROJECT DETAILS

Transit Program

Trans-09 RMRA Sustainable Communities 145/Main Project Number: Trans-09

Project Cost: \$308,000 **Project Manager:** Jimmy Monreal
Category: Study/Report **Phase:**

Description: Evaluation of SR145 and conversion to downtown Main street.
Justification: Create plan to increase multi-modal options/access to downtown core.

Expenditures	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
Study/Report	308,000					308,000
Total	308,000					308,000

Funding Sources	'18/'19	'19/'20	'20/'21	'21/'22	'22/'23	Total
RMRA Sustainable Communities Grants	272,672					272,672
UNDETERMINED	35,328					35,328
Total	308,000					308,000

