



The City of  
**MADERA**



## **Capital Improvement Plan Fiscal Years 2019-20 to 2023-24**

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 or operational improvement
2. Projects cycle through five-year timeline
3. Projects budget a minimum of \$5,000

The CIP 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, Fire, Parks and Community services, Police, Water, Sewer and Drainage (Public Works), Successor Agency, and Transit departments within the City.

The CIP is a progressive and continuous plan that is updated annually and presented to City 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 the software program, PlanIt.

# City of Madera, California

## Capital Plan

'19/'20 thru '23/'24

### PROJECTS BY DEPARTMENT

Department	Project #	Priority	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
<b>Airport</b>								
AIP-0028 T-Hangar Development Phase 1	AIP-0028	1			730,000			730,000
AIP-0029 Tee Hangar Development Const-II	AIP-0029	1				799,000		799,000
AIP-0031 Apron & Taxiway Drainage	AIP-0031	1	1,121,000					1,121,000
AIP-0034 Commercial Hangar Develop Extend-III	AIP-0034	1					155,000	155,000
AIP-0035 Extend Runway 12-30 & Taxiway P	AIP-0035	1					500,000	500,000
AIP-0039 Obstruction Removal	AIP-0039	2		320,000				320,000
<b>Airport Total</b>			<b>1,121,000</b>	<b>320,000</b>	<b>730,000</b>	<b>799,000</b>	<b>655,000</b>	<b>3,625,000</b>
<b>Community Development</b>								
CD-00001 City Hall Relocation & Expansion	CD-00001	1				0	19,883,000	19,883,000
<b>Community Development Total</b>						<b>0</b>	<b>19,883,000</b>	<b>19,883,000</b>
<b>Engineering</b>								
ALY-0001 Torres Way Alley Paving	ALY-0001	1	15,000	185,000				200,000
B-000002 Westberry Bridge Construction	B-000002	3			500,000	2,000,000	5,000,000	7,500,000
B-000004 BPMP Rehab/Repair of 3 Bridges	B-000004	1	193,000					193,000
B-000005 Granada Pedestrian Bridge	B-000005	n/a		210,000	120,000	1,370,400		1,700,400
ENG-000C Traffic Warrants	ENG-000C	1	25,000	25,000	25,000	25,000	25,000	125,000
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	6,683,000					6,683,000
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	80,000	80,000	80,000	80,000	80,000	400,000
R-000037 Raymond Rd Shoulder-n/o Cleveland	R-000037	1	49,100	260,100	5,700			314,900
R-000038 Gateway/Central/3rd/E St Sidewalks	R-000038	1	471,000					471,000
R-000041 Concrete Projects - Share Program	R-000041	1	20,000	20,000	20,000	20,000	20,000	100,000
R-000046 Lake St Widening-Fourth to Cleveland	R-000046	1	100,000	1,000,000	1,000,000	5,100,000		7,200,000
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	0				300,000	300,000
R-000057 Lake-Fourth-Central Intersection	R-000057	1	80,500	1,212,500	20,500			1,313,500
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	7,000	275,000				282,000
R-000064 ADA Walkability Sidewalks Program	R-000064	1	40,000	120,000	80,000	80,000	80,000	400,000
R-000066 Sunset Ave Sidewalk, Granada-Foster	R-000066	1	437,352					437,352
R-000067 Pecan Ave Shoulder Paving	R-000067	1	90,000	530,900	4,000			624,900
R-000070 2018-19 City Streets 3R & ADA Project	R-000070	1	530,000					530,000
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	347,868					347,868
R-000076 RMRA Seals/Overlays 2018-19	R-000076	2	1,064,440					1,064,440
R-000077 RMRA Seals/Overlays 2019-20	R-000077	2	1,600,000					1,600,000
R-000078 RMRA Seals/Overlays 2020-21	R-000078	2		1,800,000				1,800,000
R-000079 RMRA Seals/Overlays 2021-22	R-000079	2			1,900,000			1,900,000
R-000080 RMRA Seals/Overlays 2022-23	R-000080	2				2,000,000		2,000,000

Department	Project #	Priority	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
R-000081 2022-23 City Streets 3R & ADA Project	R-000081	2				600,000		600,000
R-000082 Almond Ave Extension - Pine to Stadium	R-000082	1		225,000	320,000	6,100,000		6,645,000
R-000083 Almond Ave/Schnoor Ave Intersection	R-000083	1	40,000					40,000
R-000084 Pedestrian Facilities, Various Locations	R-000084	2	450,000					450,000
R-0025X Fourth St Tree Replacem-Pine to K	R-0025X	1	25,000					25,000
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					464,000	464,000
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-00006 Fairgrounds Liftstation-VFD	SS-00006	n/a	575,582					575,582
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	188,800					188,800
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	780,000					780,000
TS-00017 Granada Dr/Howard Rd Traffic Signal	TS-00017	1	449,510					449,510
TS-00019 Howard Rd/Westberry Traffic Signal	TS-00019	3	461,410					461,410
TS-00023 HOPYQ Intersection Traffic Signals	TS-00023	1	120,000					120,000
TS-00024 Cleveland/Granada Dr Traffic Signal	TS-00024	1					375,000	375,000
TS-00029 Stadium Rd/Gary Ln Hawk Pedestrian Signal	TS-00029	3	135,600					135,600
TS-00030 Miscellaneous Traffic Safety Items	TS-00030	2	50,000	20,000	20,000	20,000	20,000	130,000
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	282,288					282,288
W-000026 Water Tower Demolition	W-000026	1	480,000					480,000
W-000032 2018-19 New Water Meter Installations	W-000032	2	370,000					370,000
W-000037 Northeast Water Transmission Main	W-000037	2	430,000	3,025,200				3,455,200
W-000999 Reimbursements - Water Mains	W-000999	n/a		47,200		178,763		225,963
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
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	0	615,000				615,000
W-PS-001 Ave 17 & Lake Pump Station/Tank	W-PS-001	2	377,000	5,893,000				6,270,000
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	150,000	750,000
W-STDY-2 Water System Condition Assess/Rehab	W-STDY-2	1	370,000					370,000
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	558,000	4,180,000	4,820,000			9,558,000
Engineering Total			26,599,360	23,468,900	11,615,200	18,207,163	36,514,000	116,404,623
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	4,820,000					4,820,000
FD-00003 Fire Station 6 Parking Lot	FD-00003	1		70,000				70,000
Fire Department Total			4,820,000	137,000				4,957,000



Department	Project #	Priority	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
<b>Parks &amp; Community Services</b>								
PK-00001 Ped/Bike Facilities	PK-00001	1	36,000	37,000	38,000	39,000	39,000	189,000
PK-00008 FRT-Gateway/UPRR Undercrossing	PK-00008	1	1,054,000					1,054,000
PK-00013 Sunrise Rotary Sports Complex	PK-00013	1	80,000	1,510,500				1,590,500
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	60,000					60,000
PK-00063 Centennial Park Rehab - Lighting	PK-00063	1	359,000					359,000
PK-00064 India Park	PK-00064	2	14,300					14,300
PK-00065 Centennial Park Amenities	PK-00065	n/a	190,000					190,000
<b>Parks &amp; Community Services Total</b>			<b>1,803,300</b>	<b>1,862,500</b>	<b>38,000</b>	<b>124,000</b>	<b>534,000</b>	<b>4,361,800</b>
<b>Police Department</b>								
PD-00001 Police Station Parking Lot	PD-00001	2	200,000					200,000
<b>Police Department Total</b>			<b>200,000</b>					<b>200,000</b>
<b>Public Works</b>								
RM-00001 Rlne Maint City Bridges Fresno RVR	RM-00001	1	50,000					50,000
SS-00010 Airport Lift Station Pumps Replacement	SS-00010	2	150,000					150,000
SS-00012 Doubletree Sewer - Westberry to Liberty	SS-00012	2	125,000	200,000				325,000
W-000017 Well 27 Pipe Outfall Extension	W-000017	1	140,000	152,000				292,000
W-000022 Water Tower Recoating	W-000022	1	20,000	1,370,000				1,390,000
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-000033 Residential AMR Water Meter Replacements	W-000033	1	500,000	500,000	510,000	520,000	530,000	2,560,000
W-000034 South St Water Tower Exterior Rehab	W-000034	2	35,000	265,000				300,000
W-000035 Chlorinators - Water Wells	W-000035	2	525,000					525,000
W-000036 4th/Gateway Line and Valve	W-000036	1	60,000	440,000				500,000
W-GW-001 Water Well 37-Install Pump	W-GW-001	3		1,012,000				1,012,000
W-GW-005 VFD Retrofit 4 Wells	W-GW-005	1	160,000					160,000
<b>Public Works Total</b>			<b>2,195,000</b>	<b>4,239,000</b>	<b>810,000</b>	<b>820,000</b>	<b>830,000</b>	<b>8,894,000</b>
<b>RDA Successor Agency</b>								
RDA-16-01 Adell St Utility Project	RDA-16-01	1	1,735,000					1,735,000
RDA-16-07 Adelaide Subdivision	RDA-16-07	2	1,510,565					1,510,565
RDA-17-02 Yosemite Lot Development	RDA-17-02	1	550,970					550,970
RDA-18-02 Adell St Interconnect, Kennedy & Adell	RDA-18-02	1	265,000					265,000
<b>RDA Successor Agency Total</b>			<b>4,061,535</b>					<b>4,061,535</b>
<b>Transit Program</b>								
TRANS-01 Madera Transit Center	Trans-01	1	4,631,200					4,631,200
Trans-09 RMRA Sustainable Communities 145/Main	Trans-09	n/a	209,390					209,390
<b>Transit Program Total</b>			<b>4,840,590</b>					<b>4,840,590</b>
<b>GRAND TOTAL</b>			<b>45,640,785</b>	<b>30,027,400</b>	<b>13,193,200</b>	<b>19,950,163</b>	<b>58,416,000</b>	<b>167,227,548</b>



# CITY OF MADERA

## PROJECT DETAILS

Airport

### AIP-0028 T-Hangar Development Phase 1

Project Number: AIP-0028

Project Cost: \$730,000  
Category: Airport

Project Manager: John Scarborough  
Phase: DESIGN

Description: Construct pavement and infrastructure appurtenances 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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Design-Consultant Engineering			75,000			75,000
Construction-Contract			550,000			550,000
Construction Management-Staff			105,000			105,000
Total			730,000			730,000

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Airport Fund Balance: 2053510			40,150			40,150
Caltrans Aeronautic Grant: 20500-355			32,850			32,850
FAA Grant: 20503750 Airport Operations Funds			657,000			657,000
Total			730,000			730,000



# CITY OF MADERA

## PROJECT DETAILS

Airport

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

**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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Design-Consultant Engineering				70,000		70,000
Construction-Contract				613,000		613,000
Construction Management-Staff				116,000		116,000
Total				799,000		799,000

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Airport Fund Balance: 2053510				43,945		43,945
Caltrans Aeronautic Grant: 20500-355				35,955		35,955
FAA Grant: 20503750 Airport Operations Funds				719,100		719,100
Total				799,000		799,000



# CITY OF MADERA

## PROJECT DETAILS

Airport

AIP-0031 Apron & Taxiway Drainage			Project Number:	AIP-0031
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Project Cost:	\$1,235,000	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.

Prior	Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
114,000	Construction-Contract	990,000					990,000
Total	Construction Management-Staff	131,000					131,000
	Total	1,121,000					1,121,000

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
114,000	Airport Fund Balance: 2053510	61,655					61,655
Total	Caltrans Aeronautic Grant: 20500-355	50,445					50,445
	FAA Grant: 20503750 Airport Operations Funds	1,008,900					1,008,900
	Total	1,121,000					1,121,000



# 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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total	Future
Design-Consultant Engineering					155,000	155,000	2,550,600
Total					155,000	155,000	Total

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total	Future
Airport Fund Balance: 2053510					8,525	8,525	2,550,600
Caltrans Aeronautic Grant: 20500-355					6,975	6,975	Total
FAA Grant: 20503750 Airport Operations Funds					139,500	139,500	
Total					155,000	155,000	

# CITY OF MADERA

## PROJECT DETAILS

Airport

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

**Project Cost:** \$500,000 **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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Design-Consultant Engineering					500,000	500,000
Total					500,000	500,000

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Airport Fund Balance: 2053510					27,500	27,500
Caltrans Aeronautic Grant: 20500-355					22,500	22,500
FAA Grant: 20503750 Airport Operations Funds					450,000	450,000
Total					500,000	500,000



# CITY OF MADERA

## PROJECT DETAILS

Airport

### AIP-0039 Obstruction Removal

Project Number:

AIP-0039

Project Cost: \$320,000  
Category: Airport  
Project Manager: Mary Church  
Phase:

Description: Mitigation and/or removal of orchard on the west side of Runway 12-30.



Justification: FAA and Caltrans Division of Aeronautics have identified a potential obstruction in the existing orchard on leased property located on the west side of Runway 12-30 of numerous trees that are 12 to 25 feet above ground level. They have a potential impact on the 7:1 transitional surface of FAR Part 77.

Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Design-Consultant Engineering		20,000				20,000
Construction-Contract		300,000				300,000
Total		320,000				320,000

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Airport Fund Balance: 2053510		17,600				17,600
Caltrans Aeronautic Grant: 20500-355		14,400				14,400
FAA Grant: 20503750 Airport Operations Funds		288,000				288,000
Total		320,000				320,000

# CITY OF MADERA

## PROJECT DETAILS

## Community Development

**CD-00001 City Hall Relocation & Expansion**

**Project Number:**

**CD-00001**

**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.

<b>Expenditures</b>	<b>'19/'20</b>	<b>'20/'21</b>	<b>'21/'22</b>	<b>'22/'23</b>	<b>'23/'24</b>	<b>Total</b>
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
<b>Total</b>				<b>0</b>	<b>19,883,000</b>	<b>19,883,000</b>

<b>Funding Sources</b>	<b>'19/'20</b>	<b>'20/'21</b>	<b>'21/'22</b>	<b>'22/'23</b>	<b>'23/'24</b>	<b>Total</b>
DIF:4092 General				0	1,100,000	1,100,000
Government Impact Fee						
UNDETERMINED				0	18,783,000	18,783,000
<b>Total</b>				<b>0</b>	<b>19,883,000</b>	<b>19,883,000</b>



# CITY OF MADERA

## PROJECT DETAILS

Engineering

### ALY-0001 Torres Way Alley Paving

Project Number: ALY-0001

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



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

Justification: Mitigation measures to reduce PM-10.

Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
CMAQ - Streets: 41705070		165,000				165,000
Measure T - Enviromental Enhancement: 41570000	15,000	20,000				35,000
Total	15,000	185,000				200,000

# CITY OF MADERA

## PROJECT DETAILS

Engineering

**B-000002 Westberry Bridge Construction** **Project Number: B-000002**

**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 bride with the next 5 to 10 years

Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Planning/Design			500,000	2,000,000		2,500,000
Construction-Contract					5,000,000	5,000,000
Total			500,000	2,000,000	5,000,000	7,500,000

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
DIF:4093 Transportation Impact Fee			500,000	2,000,000		2,500,000
UNDETERMINED					5,000,000	5,000,000
Total			500,000	2,000,000	5,000,000	7,500,000



# CITY OF MADERA

## PROJECT DETAILS

Engineering

<b>B-000004 BPMP Rehab/Repair of 3 Bridges</b>	<b>Project Number:</b>	<b>B-000004</b>
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<b>Project Cost:</b>	\$226,182	<b>Project Manager:</b>	Jose Aguilar
<b>Category:</b>	Bridges	<b>Phase:</b>	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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
33,182	Design-Consultant Engineering	24,000					24,000
Total	Construction-Contract	114,000					114,000
	Environmental	25,000					25,000
	Construction Management-Staff	30,000					30,000
	Total	193,000					193,000

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
33,182	BPMP: 41705730	151,000					151,000
Total	LTF - Streets: 42005330	42,000					42,000
	Total	193,000					193,000

# CITY OF MADERA

## PROJECT DETAILS

Engineering

**B-000005 Granada Pedestrian Bridge**

**Project Number:**

**B-000005**

**Project Cost:** \$1,700,400

**Project Manager:**

**Category:** Bridges

**Phase:**

**Description:** construct a pedestrian bridge across the Fresno River upstream of Granada Avenue, north of Riverside Drive across the Fresno River. The bridge will connect existing and planned portions of the Fresno River Trail system.

**Justification:**

<b>Expenditures</b>	<b>'19/'20</b>	<b>'20/'21</b>	<b>'21/'22</b>	<b>'22/'23</b>	<b>'23/'24</b>	<b>Total</b>
Design-Consultant Engineering		120,000				120,000
Construction-Contract				1,245,400		1,245,400
Right of Way Costs			50,000			50,000
Environmental		20,000				20,000
Construction Management-Staff				100,000		100,000
Design-Staff		50,000	50,000			100,000
CMCINSP				25,000		25,000
Design - 3rd Party Administrative Costs		20,000	20,000			40,000
<b>Total</b>		<b>210,000</b>	<b>120,000</b>	<b>1,370,400</b>		<b>1,700,400</b>
<b>Funding Sources</b>	<b>'19/'20</b>	<b>'20/'21</b>	<b>'21/'22</b>	<b>'22/'23</b>	<b>'23/'24</b>	<b>Total</b>
UNDETERMINED		210,000	120,000	1,370,400		1,700,400
<b>Total</b>		<b>210,000</b>	<b>120,000</b>	<b>1,370,400</b>		<b>1,700,400</b>

# CITY OF MADERA

## PROJECT DETAILS

Engineering

ENG-000C Traffic Warrants			Project Number:	ENG-000C
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Project Cost:	\$270,000	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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
145,000	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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
145,000	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

MUP-UDII Master Utility Plan Update, II	Project Number:	MUP-UDII
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Project Cost:	\$475,000	Project Manager:	Keith Helmuth
Category:	Study/Report	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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Planning/Design					475,000	475,000
Total					475,000	475,000

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	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: \$8,436,228

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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
1,753,228	Design-Consultant Engineering	150,000					150,000
	Construction-Contract	4,357,000					4,357,000
	Environmental	5,000					5,000
	Construction Management-Staff	571,000					571,000
	UPRR	1,000,000					1,000,000
	Utility Conversion	600,000					600,000
	<b>Total</b>	<b>6,683,000</b>					<b>6,683,000</b>

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
1,753,228	DIF:4096 Arterial/Collector St. Impact Fee	500,000					500,000
	LTF - Streets: 42005330	97,000					97,000
	Measure T - Flex: 41580000	62,000					62,000
	Measure T - RTP/3R: 41514470	4,757,551					4,757,551
	RSTP Federal Exchange: 41315320	1,266,449					1,266,449
	<b>Total</b>	<b>6,683,000</b>					<b>6,683,000</b>

# CITY OF MADERA

## PROJECT DETAILS

Engineering

**R-000031 Contingency / Project Administration** **Project Number: R-000031**

**Project Cost:** \$1,900,000 **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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
1,100,000	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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
1,100,000	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**

**Project Cost:** \$894,000 **Project Manager:** Frank Holguin  
**Category:** Street 3R **Phase:** CONSTRUCTION

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

Prior	Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
494,000	Construction-Contract	68,000	68,000	68,000	68,000	68,000	340,000
Total	Construction Management-Staff	12,000	12,000	12,000	12,000	12,000	60,000
	Total	80,000	80,000	80,000	80,000	80,000	400,000

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
494,000	LTF - Streets: 42005330	80,000	80,000	80,000	80,000	80,000	400,000
Total	Total	80,000	80,000	80,000	80,000	80,000	400,000

# CITY OF MADERA

## PROJECT DETAILS

Engineering

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

**Project Cost:** \$396,300 **Project Manager:** Randy Bell  
**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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
81,400	Design-Consultant Engineering	5,000					5,000
Total	Construction-Contract		236,600				236,600
	Right of Way Costs	34,100					34,100
	Environmental		5,500				5,500
	Construction Management-Staff		15,000	5,700			20,700
	Design-Staff	10,000					10,000
	CMCINSP		3,000				3,000
	Total	49,100	260,100	5,700			314,900

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
81,400	CMAQ - Streets: 41705070	20,000	214,000				234,000
Total	LTF - Streets: 42005330	29,100	46,100	5,700			80,900
	Total	49,100	260,100	5,700			314,900



# CITY OF MADERA

## PROJECT DETAILS

Engineering

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

**Project Cost:** \$515,787 **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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
44,787	Construction-Contract	411,600					411,600
Total	Construction Management-Staff	22,000					22,000
	CMCINSP	37,400					37,400
	Total	471,000					471,000

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
44,787	CMAQ - Streets: 41705070	324,000					324,000
Total	LTF - Streets: 42005330	147,000					147,000
	Total	471,000					471,000

# CITY OF MADERA

## PROJECT DETAILS

Engineering

**R-000041 Concrete Projects - Share Program** **Project Number: R-000041**

**Project Cost:** \$176,000 **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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
76,000	Construction-Contract	20,000	20,000	20,000	20,000	20,000	100,000
Total	Total	20,000	20,000	20,000	20,000	20,000	100,000

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
76,000	LTF - Streets: 42005330	20,000	20,000	20,000	20,000	20,000	100,000
Total	Total	20,000	20,000	20,000	20,000	20,000	100,000

# CITY OF MADERA

## PROJECT DETAILS

Engineering

**R-000046 Lake St Widening-Fourth to Cleveland**

**Project Number:**

**R-000046**

**Project Cost:** \$7,242,370

**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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
42,370	Design-Consultant Engineering	50,000					50,000
Total	Land Acquisition/Right of Way		1,000,000	1,000,000			2,000,000
	Construction-Contract				4,250,000		4,250,000
	Right of Way Costs	50,000					50,000
	Construction Management-Staff				250,000		250,000
	Utility Undergrounding				600,000		600,000
	<b>Total</b>	<b>100,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>5,100,000</b>		<b>7,200,000</b>
Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
42,370	Measure T - RTP/3R: 41514470	100,000	720,000	300,000	2,400,000		3,520,000
Total	RSTP Federal Exchange: 41315320		280,000	700,000	700,000		1,680,000
	UNDETERMINED				2,000,000		2,000,000
	<b>Total</b>	<b>100,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>5,100,000</b>		<b>7,200,000</b>

CITY OF MADERA

PROJECT DETAILS

Engineering

R-000049 Olive Ave Concept Plan

Project Number: R-000049

Project Cost: \$24,000

Project Manager: Jose Aguilar

Category: Administrative

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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
12,000	Design-Consultant Engineering	12,000					12,000
Total	Total	12,000					12,000

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	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-000050 Pine St Reconstr-Howard to Fourth St**

**Project Number:**

**R-000050**

**Project Cost:** \$515,000  
**Category:** Street Reconstruction  
**Project Manager:** Keith Helmuth  
**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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	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
<b>Total</b>		<b>515,000</b>				<b>515,000</b>

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Measure T - RTP/3R: 41514470		515,000				515,000
<b>Total</b>		<b>515,000</b>				<b>515,000</b>



# CITY OF MADERA

## PROJECT DETAILS

Engineering

**R-000054 Cleveland Ave Widen-Schnoor to SR99**

**Project Number:**

**R-000054**

**Project Cost:** \$4,360,000

**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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total	Future
Design-Consultant Engineering					300,000	300,000	4,060,000
Construction-Contract	0					0	
<b>Total</b>	<b>0</b>				<b>300,000</b>	<b>300,000</b>	<b>Total</b>

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total	Future
Measure T - Flex: 41580000	0					0	4,060,000
Measure T - RTP/3R: 41514470					300,000	300,000	
UNDETERMINED	0					0	
<b>Total</b>	<b>0</b>				<b>300,000</b>	<b>300,000</b>	<b>Total</b>

# CITY OF MADERA

## PROJECT DETAILS

Engineering

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

**Project Cost:** \$1,402,657 **Project Manager:** Randy Bell  
**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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
89,157	Design-Consultant Engineering	15,000					15,000
Total	Construction-Contract		1,050,000				1,050,000
	Right of Way Costs	50,000					50,000
	Construction Management-Staff		145,000	12,500			157,500
	Design-Staff	15,000	5,000	5,000			25,000
	CMCINSP		12,000	3,000			15,000
	Design - 3rd Party Administrative Costs	500	500				1,000
	Total	80,500	1,212,500	20,500			1,313,500

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
89,157	CMAQ - Streets: 41705070	26,000	434,000				460,000
Total	LTF - Streets: 42005330	4,000	141,000	20,500			165,500
	RSTP Federal Exchange: 41315320	50,500	637,500				688,000
	Total	80,500	1,212,500	20,500			1,313,500

# CITY OF MADERA

## PROJECT DETAILS

Engineering

**R-000058 Schnoor Ave Sidewalk-Sunset to River**

**Project Number:**

**R-000058**

**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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	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
<b>Total</b>		<b>22,000</b>	<b>128,000</b>			<b>150,000</b>
Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
CMAQ - Streets: 41705070		19,000	113,000			132,000
Measure T - Enviromental Enhancement: 41570000		3,000	15,000			18,000
<b>Total</b>		<b>22,000</b>	<b>128,000</b>			<b>150,000</b>

# CITY OF MADERA

## PROJECT DETAILS

Engineering

### R-000060 Storey Rd Shoulder Paving

Project Number:

R-000060

**Project Cost:** \$313,000 **Project Manager:** Randy Bell  
**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.



Prior	Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
31,000	Construction-Contract		221,000				221,000
	Construction Management-Staff		54,000				54,000
	Design-Staff	7,000					7,000
Total	Total	7,000	275,000				282,000

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
31,000	CMAQ - Streets: 41705070		244,000				244,000
	LTF - Streets: 42005330	7,000	31,000				38,000
Total	Total	7,000	275,000				282,000

# CITY OF MADERA

## PROJECT DETAILS

Engineering

**R-000064 ADA Walkability Sidewalks Program**

**Project Number:**

**R-000064**

**Project Cost:** \$400,000

**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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Design-Consultant Engineering	30,000					30,000
Construction-Contract		105,000	70,000	70,000	70,000	315,000
Construction Management-Staff		10,000	5,000	5,000	5,000	25,000
Design-Staff	10,000	5,000	5,000	5,000	5,000	30,000
<b>Total</b>	<b>40,000</b>	<b>120,000</b>	<b>80,000</b>	<b>80,000</b>	<b>80,000</b>	<b>400,000</b>

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
LTF - Streets: 42005330	60,000	40,000	40,000	40,000	40,000	220,000
Measure T - Environmental Enhancement: 41570000		20,000	20,000	20,000	20,000	80,000
Measure T - LTP ADA: 41540000	20,000	20,000	20,000	20,000	20,000	100,000
<b>Total</b>	<b>80,000</b>	<b>80,000</b>	<b>80,000</b>	<b>80,000</b>	<b>80,000</b>	<b>400,000</b>



# CITY OF MADERA

## PROJECT DETAILS

Engineering

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

**Project Cost:** \$458,854 **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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
21,502	Construction-Contract	391,855					391,855
Total	Construction Management-Staff	36,100					36,100
	Design-Staff	9,397					9,397
	Total	437,352					437,352

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
21,502	HSIP Grant: 41700000	290,130					290,130
Total	LTF - Streets: 42005330	134,222					134,222
	Measure T - Enviromental Enhancement: 41570000	13,000					13,000
	Total	437,352					437,352

# CITY OF MADERA

## PROJECT DETAILS

Engineering

R-000067 Pecan Ave Shoulder Paving			Project Number:	R-000067
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Project Cost:	\$695,900	Project Manager:	Randy Bell
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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
71,000	Construction-Contract		489,900				489,900
Total	Right of Way Costs	80,000					80,000
	Construction Management-Staff		41,000	4,000			45,000
	Design-Staff	10,000					10,000
	Total	90,000	530,900	4,000			624,900

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
71,000	CMAQ - Streets: 41705070	72,000	459,000				531,000
Total	LTF - Streets: 42005330	18,000	71,900	4,000			93,900
	Total	90,000	530,900	4,000			624,900

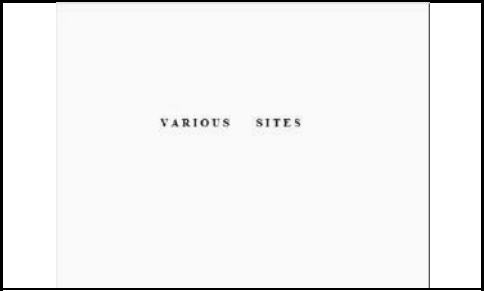
# CITY OF MADERA

## PROJECT DETAILS

Engineering

R-000070 2018-19 City Streets 3R & ADA Project	Project Number:	R-000070
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Project Cost:	\$570,000	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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
40,000	Construction-Contract	472,000					472,000
	Construction Management-Staff	58,000					58,000
Total							
	Total	530,000					530,000

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
40,000	LPP	180,000					180,000
	Measure T - RTP/3R: 41514470	350,000					350,000
Total							
	Total	530,000					530,000

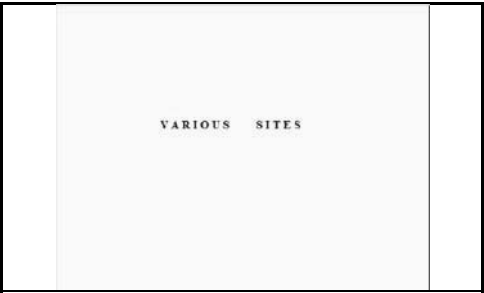
# CITY OF MADERA

## 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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	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
<b>Total</b>	<b>30,000</b>	<b>970,000</b>				<b>1,000,000</b>

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
LPP		345,000				345,000
Measure T - RTP/3R: 41514470	300,000	355,000				655,000
<b>Total</b>	<b>300,000</b>	<b>700,000</b>				<b>1,000,000</b>

# CITY OF MADERA

## PROJECT DETAILS

Engineering

**R-000072 Ave 17/Sharon Blvd Improvements**

**Project Number:**

**R-000072**

**Project Cost:** \$5,310,910

**Project Manager:** Keith Helmuth

**Category:** Reimbursements

**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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Land Acquisition	205,000					205,000
Developer Reimbursement	5,105,910					5,105,910
<b>Total</b>	<b>5,310,910</b>					<b>5,310,910</b>

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	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 Development 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
<b>Total</b>	<b>5,310,910</b>					<b>5,310,910</b>



# 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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
26,339	Construction-Contract	321,529					321,529
	Construction Management-Staff	26,339					26,339
Total							
	Total	347,868					347,868

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
26,339	CDBG - Public Impr. Streets: 10218020	142,823					142,823
	LTF - Streets: 42005330	126,245					126,245
	Measure T - LTP ADA: 41540000	78,800					78,800
Total							
	Total	347,868					347,868

# CITY OF MADERA

## PROJECT DETAILS

Engineering

**R-000076 RMRA Seals/Overlays 2018-19** **Project Number: R-000076**

**Project Cost:** \$1,097,340 **Project Manager:** Jose Sandoval  
**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).

Prior	Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
32,900	Construction-Contract	1,011,218					1,011,218
	Construction Management-Staff	42,578					42,578
	CMCINSP	10,644					10,644
	Total	1,064,440					1,064,440

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
32,900	RMRA	1,064,440					1,064,440
	Total	1,064,440					1,064,440

# CITY OF MADERA

## PROJECT DETAILS

Engineering

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

**Project Cost:** \$1,600,000 **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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Construction-Contract	1,320,000					1,320,000
Construction Management-Staff	200,000					200,000
Design-Staff	30,000					30,000
CMCINSP	50,000					50,000
Total	1,600,000					1,600,000

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
RMRA	1,600,000					1,600,000
Total	1,600,000					1,600,000

# CITY OF MADERA

## PROJECT DETAILS

Engineering

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

**Project Cost:** \$1,800,000 **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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Construction-Contract		1,520,000				1,520,000
Construction Management-Staff		200,000				200,000
Design-Staff		50,000				50,000
CMCINSP		30,000				30,000
Total		1,800,000				1,800,000

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
RMRA		1,800,000				1,800,000
Total		1,800,000				1,800,000

# CITY OF MADERA

## PROJECT DETAILS

Engineering

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

**Project Cost:** \$1,900,000 **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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Design-Consultant Engineering			50,000			50,000
Construction-Contract			1,520,000			1,520,000
Construction Management-Staff			300,000			300,000
CMCINSP			30,000			30,000
Total			1,900,000			1,900,000

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
RMRA			1,900,000			1,900,000
Total			1,900,000			1,900,000

# CITY OF MADERA

## PROJECT DETAILS

Engineering

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

**Project Cost:** \$2,000,000 **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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Design-Consultant Engineering				70,000		70,000
Construction-Contract				1,600,000		1,600,000
Construction Management-Staff				300,000		300,000
CMCINSP				30,000		30,000
Total				2,000,000		2,000,000

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
RMRA				2,000,000		2,000,000
Total				2,000,000		2,000,000

# 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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Design-Consultant Engineering				50,000		50,000
Construction-Contract				440,000		440,000
Construction Management-Staff				80,000		80,000
CMCINSP				30,000		30,000
Total				600,000		600,000

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Measure T - RTP/3R: 41514470				600,000		600,000
Total				600,000		600,000

# CITY OF MADERA

## PROJECT DETAILS

Engineering

### R-000082 Almond Ave Extension - Pine to Stadium

Project Number:

R-000082

Project Cost: \$6,645,000  
 Category: Street Reconstruction  
 Project Manager: Jose Aguilar  
 Phase:

Description: Construct the Almond Avenue alignment to a collector street standards from Pine Street to Stadium Road.



Justification: Connects the missing section of Almond Avenue from Pine Street to Stadium Road.

Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Design-Consultant Engineering		150,000				150,000
Construction-Contract				5,700,000		5,700,000
Right of Way Costs		60,000	200,000			260,000
Environmental			15,000			15,000
Construction Management-Staff				150,000		150,000
Design-Staff		15,000	35,000			50,000
CMCINSP				250,000		250,000
Design - 3rd Party			70,000			70,000
Administrative Costs						
<b>Total</b>		<b>225,000</b>	<b>320,000</b>	<b>6,100,000</b>		<b>6,645,000</b>
Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
LTF - Streets: 42005330		225,000				225,000
Measure T - RTP/3R: 41514470			320,000	500,000		820,000
UNDETERMINED				5,600,000		5,600,000
<b>Total</b>		<b>225,000</b>	<b>320,000</b>	<b>6,100,000</b>		<b>6,645,000</b>



# CITY OF MADERA

## PROJECT DETAILS

Engineering

**R-000083 Almond Ave/Schnoor Ave Intersection** **Project Number: R-000083**

**Project Cost:** \$40,000 **Project Manager:**  
**Category:** Traffic Signal **Phase:**

**Description:** Install flashing beacons at the intersection of Almond Avenue and Schnoor Avenue.  
**Justification:** Improve traffic safety.

Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Design-Consultant Engineering	2,000					2,000
Construction-Contract	25,000					25,000
Right of Way Costs	1,500					1,500
Environmental	500					500
Construction Management-Staff	5,000					5,000
Design-Staff	5,000					5,000
CMCINSP	1,000					1,000
<b>Total</b>	<b>40,000</b>					<b>40,000</b>
Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
LTF - Streets: 42005330	40,000					40,000
<b>Total</b>	<b>40,000</b>					<b>40,000</b>

# CITY OF MADERA

## PROJECT DETAILS

Engineering

**R-000084 Pedestrian Facilities, Various Locations** **Project Number: R-000084**

**Project Cost:** \$450,000 **Project Manager:** Jose Sandoval  
**Category:** Street Reconstruction **Phase:**

**Description:** Construction of pedestrian facilities such as sidewalk, access curb ramps and drive approaches on Lilly Street, Vineyard Avenue, Stadium Road, Maple Street, Santa Cruz Street & Monterey Street.

**Justification:** New pedestrian facilities to increase pedestrian safety and promote active transportation .

Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Construction-Contract	380,000					380,000
Right of Way Costs	6,000					6,000
Construction Management-Staff	27,560					27,560
Design-Staff	26,000					26,000
CMCINSP	7,000					7,000
Design - 3rd Party Administrative Costs	3,440					3,440
<b>Total</b>	<b>450,000</b>					<b>450,000</b>
Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
CDBG - Public Impr. Streets: 10218020	390,000					390,000
LTF - Streets: 42005330	60,000					60,000
<b>Total</b>	<b>450,000</b>					<b>450,000</b>

# CITY OF MADERA

## PROJECT DETAILS

Engineering

### R-0025X Fourth St Tree Replacemt-Pine to K

Project Number:

R-0025X

Project Cost: \$25,000  
Category: Street 3R

Project Manager: Ellen Bitter  
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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Design-Consultant Engineering	20,000					20,000
Design-Staff	5,000					5,000
Total	25,000					25,000

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Measure T - RTP/3R: 41514470	25,000					25,000
Total	25,000					25,000

# CITY OF MADERA

## PROJECT DETAILS

Engineering

**S-000012 Schnoor Ave Trunk Sewer Rehab** **Project Number: S-000012**

**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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
1,178,000	Design-Consultant Engineering	46,000					46,000
Total	Construction-Contract		445,000				445,000
	Construction Management-Staff		44,000				44,000
	Total	46,000	489,000				535,000

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	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
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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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total	Future
225,000	Loan Repayment	4,000	4,000	4,000	4,000	4,000	20,000	327,676
Total	Total	4,000	4,000	4,000	4,000	4,000	20,000	Total

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
225,000	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:** \$464,000 **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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Construction-Contract					464,000	464,000
Total					464,000	464,000

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
DIF:4103 Sewer SE Quadrant Impact Fee					464,000	464,000
Total					464,000	464,000

# CITY OF MADERA

## PROJECT DETAILS

Engineering

**S-000997 Northeast Quad Sewer Improvement** **Project Number: S-000997**

**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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Construction-Contract					210,000	210,000
Total					210,000	210,000

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	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.

<b>Expenditures</b>	<b>'19/'20</b>	<b>'20/'21</b>	<b>'21/'22</b>	<b>'22/'23</b>	<b>'23/'24</b>	<b>Total</b>
Construction-Contract					250,000	250,000
<b>Total</b>					<b>250,000</b>	<b>250,000</b>

<b>Funding Sources</b>	<b>'19/'20</b>	<b>'20/'21</b>	<b>'21/'22</b>	<b>'22/'23</b>	<b>'23/'24</b>	<b>Total</b>
DIF:4099 Sewer Existing Area Impact Fee					125,000	125,000
DIF:4100 Sewer NW Quadrant Impact Fee					125,000	125,000
<b>Total</b>					<b>250,000</b>	<b>250,000</b>



# CITY OF MADERA

## PROJECT DETAILS

Engineering

S-000999 Reimbursements - Sewer Construction			Project Number:	S-000999
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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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Developer Reimbursement					100,000	100,000
Total					100,000	100,000

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	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: \$518,281

Project Manager: Ellen Bitter

Category: Study/Report

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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
329,481	Design-Staff	45,800					45,800
	Study/Report	143,000					143,000
Total							
	Total	188,800					188,800

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
329,481	Sewer Utility Fund: 20403420	188,800					188,800
Total	Total	188,800					188,800

# CITY OF MADERA

## PROJECT DETAILS

Engineering

S-STDY-2 Sewer Asset Mgmt Software	Project Number:	S-STDY-2
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Project Cost:	\$75,000	Project Manager:	Ellen Bitter
Category:	Study/Report	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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Design-Consultant Engineering	70,000					70,000
Design-Staff	5,000					5,000
Total	75,000					75,000

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	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: \$1,267,081

Project Manager: Ellen Bitter

Category: Study/Report

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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
487,081	Design-Consultant Engineering	140,000					140,000
	Construction-Contract	640,000					640,000
Total							
	Total	780,000					780,000

Prior

1,267,081

Total

# CITY OF MADERA

## PROJECT DETAILS

Engineering

**SD-00014 NW Quad Storm Drain Improvement** **Project Number: SD-00014**

**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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Construction-Contract					7,400,000	7,400,000
Total					7,400,000	7,400,000

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
DIF:4105 Storm Drain NW					7,400,000	7,400,000
Quadrant Impact Fee						
Total					7,400,000	7,400,000

# CITY OF MADERA

## PROJECT DETAILS

Engineering

<b>SD-00015 SE Quad Storm Drain Improvements</b>	<b>Project Number:</b>	<b>SD-00015</b>
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<b>Project Cost:</b>	\$17,500,000	<b>Project Manager:</b>	Keith Helmuth
<b>Category:</b>	Storm Drain	<b>Phase:</b>	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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Construction-Contract					17,500,000	17,500,000
Total					17,500,000	17,500,000

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	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

**Project Cost:** \$154,900 **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.

Prior	Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
14,900	Land Acquisition	40,000	30,000	30,000			100,000
Total	Design-Consultant Engineering	10,000	10,000	10,000	10,000		40,000
	Total	50,000	40,000	40,000	10,000		140,000

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
14,900	DIF:4104 Drainage System Existing Area Impact Fee	20,000	10,000	10,000			40,000
Total	DIF:4105 Storm Drain NW Quadrant Impact Fee	10,000	10,000	20,000			40,000
	DIF:4107 Storm Drain SW Quadrant Impact Fee	10,000	10,000				20,000
	DIF:4108 Storm Drain SE Quadrant Impact Fee	10,000	10,000	10,000	10,000		40,000
	Total	50,000	40,000	40,000	10,000		140,000

# CITY OF MADERA

## PROJECT DETAILS

Engineering

**SD-14-P11 Granada Dr/Ave 12.5 Retention Basin** **Project Number: SD-14-P11**

**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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	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-00006 Fairgrounds Liftstation-VFD** **Project Number: SS-00006**

**Project Cost:** \$578,082 **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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
2,500	Construction-Contract	510,582					510,582
	Construction Management-Staff	65,000					65,000
Total		575,582					575,582

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
2,500	DIF:4099 Sewer Existing Area Impact Fee	161,129					161,129
	Sewer Utility Fund: 20403420	414,453					414,453
Total		575,582					575,582

# CITY OF MADERA

## PROJECT DETAILS

Engineering

**SS-00011 Mainberry Sewer - Howard to Sunset** **Project Number: SS-00011**

**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.

<b>Expenditures</b>	<b>'19/'20</b>	<b>'20/'21</b>	<b>'21/'22</b>	<b>'22/'23</b>	<b>'23/'24</b>	<b>Total</b>
Design-Consultant Engineering	30,000					30,000
Construction-Contract	385,000					385,000
Construction Management-Staff	30,000					30,000
Design-Staff	5,000					5,000
<b>Total</b>	<b>450,000</b>					<b>450,000</b>

<b>Funding Sources</b>	<b>'19/'20</b>	<b>'20/'21</b>	<b>'21/'22</b>	<b>'22/'23</b>	<b>'23/'24</b>	<b>Total</b>
Sewer Utility Fund: 20403420	450,000					450,000
<b>Total</b>	<b>450,000</b>					<b>450,000</b>

# CITY OF MADERA

## PROJECT DETAILS

Engineering

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

**Project Cost:** \$500,021 **Project Manager:** Victor Aldama  
**Category:** Traffic Signal **Phase:** DESIGN

**Description:** Add traffic signal at Granada Drive and Howard Road.  
**Justification:** Traffic safety.

Prior	Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	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
	Design-Staff	5,392					5,392
	Total	449,510					449,510

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
50,511	DIF:4097 Traffic Signal Impact Fee	344,510					344,510
Total	Measure T - RTP/3R: 41514470	105,000					105,000
	Total	449,510					449,510

# CITY OF MADERA

## PROJECT DETAILS

Engineering

### TS-00019 Howard Rd/Westberry Traffic Signal

Project Number:

TS-00019

Project Cost: \$509,063

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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
47,653	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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
47,653	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-00023 HOPYQ Intersection Traffic Signals	Project Number:	TS-00023
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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.

Prior	Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
15,000	Construction-Contract	110,000					110,000
	Construction Management-Staff	10,000					10,000
Total							
	Total	120,000					120,000

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
15,000	CMAQ - Streets: 41705070	107,000					107,000
	LTF - Streets: 42005330	13,000					13,000
Total							
	Total	120,000					120,000

# 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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
DIF:4097 Traffic Signal Impact Fee					375,000	375,000
Total					375,000	375,000



# 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.

Prior	Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
18,950	Construction-Contract	124,300					124,300
Total	Construction Management-Staff	11,300					11,300
	Total	135,600					135,600

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
18,950	CDBG - Public Impr. Streets: 10218020	121,050					121,050
Total	LTF - Streets: 42005330	14,550					14,550
	Total	135,600					135,600

# CITY OF MADERA

## PROJECT DETAILS

Engineering

<b>TS-00030 Miscellaneous Traffic Safety Items</b>	<b>Project Number:</b>	<b>TS-00030</b>
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<b>Project Cost:</b>	\$130,000	<b>Project Manager:</b>	Keith Helmuth
<b>Category:</b>	Traffic Signal	<b>Phase:</b>	

**Description:** Annual program to provide funds for minor traffic safety improvements such as signs, striping, barriers, warning devices, channelizers, or other devices. One such near term improvement is traffic circle upgrades on Caitlan Drive at Isla Vista Court.

**Justification:** Installation of certain traffic control devices is often recommended after a traffic engineering study.

Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Construction-Contract	50,000	20,000	20,000	20,000	20,000	130,000
Total	50,000	20,000	20,000	20,000	20,000	130,000

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
LTF - Streets: 42005330	50,000	20,000	20,000	20,000	20,000	130,000
Total	50,000	20,000	20,000	20,000	20,000	130,000

# 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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Design-Consultant Engineering		100,000				100,000
Construction-Contract			640,000			640,000
Construction Management-Staff			110,000			110,000
<b>Total</b>		<b>100,000</b>	<b>750,000</b>			<b>850,000</b>

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Water Utility Fund: 20303830		100,000	750,000			850,000
<b>Total</b>		<b>100,000</b>	<b>750,000</b>			<b>850,000</b>

# 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.

<b>Expenditures</b>	<b>'19/'20</b>	<b>'20/'21</b>	<b>'21/'22</b>	<b>'22/'23</b>	<b>'23/'24</b>	<b>Total</b>
Design-Consultant Engineering		120,000				120,000
Construction-Contract			1,180,000			1,180,000
Construction Management-Staff			200,000			200,000
<b>Total</b>		<b>120,000</b>	<b>1,380,000</b>			<b>1,500,000</b>

<b>Funding Sources</b>	<b>'19/'20</b>	<b>'20/'21</b>	<b>'21/'22</b>	<b>'22/'23</b>	<b>'23/'24</b>	<b>Total</b>
Water Utility Fund: 20303830		120,000	1,380,000			1,500,000
<b>Total</b>		<b>120,000</b>	<b>1,380,000</b>			<b>1,500,000</b>

# 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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	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
<b>Total</b>	<b>10,000</b>	<b>255,000</b>				<b>265,000</b>

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Water Utility Fund: 20303830	10,000	255,000				265,000
<b>Total</b>	<b>10,000</b>	<b>255,000</b>				<b>265,000</b>

# CITY OF MADERA

## PROJECT DETAILS

Engineering

**W-000008 10th St-Water Main Upgrades**

**Project Number:**

**W-000008**

**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

<b>Expenditures</b>	<b>'19/'20</b>	<b>'20/'21</b>	<b>'21/'22</b>	<b>'22/'23</b>	<b>'23/'24</b>	<b>Total</b>
Design-Consultant Engineering	10,000					10,000
Construction-Contract		700,000				700,000
Construction Management-Staff		70,000				70,000
<b>Total</b>	<b>10,000</b>	<b>770,000</b>				<b>780,000</b>

<b>Funding Sources</b>	<b>'19/'20</b>	<b>'20/'21</b>	<b>'21/'22</b>	<b>'22/'23</b>	<b>'23/'24</b>	<b>Total</b>
Water Utility Fund: 20303830	10,000	770,000				780,000
<b>Total</b>	<b>10,000</b>	<b>770,000</b>				<b>780,000</b>

# CITY OF MADERA

## PROJECT DETAILS

Engineering

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

**Project Cost:** \$315,000 **Project Manager:** Victor Aldama  
**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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
32,712	Construction-Contract	267,000					267,000
	Construction Management-Staff	15,288					15,288
Total		282,288					282,288

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
32,712	Water Utility Fund: 20303830	282,288					282,288
Total		282,288					282,288

# CITY OF MADERA

## PROJECT DETAILS

Engineering

W-000026 Water Tower Demolition	Project Number: W-000026
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Project Cost:	\$595,000	Project Manager:	Victor Aldama
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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
115,000	Design-Consultant Engineering	40,000					40,000
	Construction-Contract	400,000					400,000
	Construction Management-Staff	30,000					30,000
	Design-Staff	10,000					10,000
	Total	480,000					480,000

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
115,000	Water Utility Fund: 20303830	480,000					480,000
	Total	480,000					480,000



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.

Prior	Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
30,000	Construction-Contract	320,000					320,000
Total	Construction Management-Staff	50,000					50,000
	Total	370,000					370,000

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
30,000	Water Utility Fund: 20303830	370,000					370,000
Total	Total	370,000					370,000

# CITY OF MADERA

## PROJECT DETAILS

Engineering

**W-000037 Northeast Water Transmission Main** **Project Number: W-000037**

**Project Cost:** \$3,455,200 **Project Manager:** Ellen Bitter  
**Category:** Water **Phase:**

**Description:** Installation of six (6) segments identified in the Water Master Plan as PNE-2, PNW-55, PNW-56, PNW-61, and PNW-64 from New Love's Well to Lake Street. AKA Segments 1, 2A, and 3 in Tank Preliminary Studies.

**Justification:** Transmission mains necessary to meet pressure needs in northeast Madera and to required for new Northeast Water Storage Tank.

Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Design-Consultant Engineering	300,000					300,000
Construction-Contract		3,025,200				3,025,200
Right of Way Costs	100,000					100,000
Design-Staff	30,000					30,000
Total	430,000	3,025,200				3,455,200

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Water Utility Fund: 20303830	430,000	3,025,200				3,455,200
Total	430,000	3,025,200				3,455,200

# CITY OF MADERA

## PROJECT DETAILS

Engineering

W-000999 Reimbursements - Water Mains			Project Number:	W-000999
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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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Developer Reimbursement		47,200		178,763		225,963
Total		47,200		178,763		225,963

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	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-002 Water Well 35-Ellis w/o Chapin** **Project Number: W-GW-002**

**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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	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**

**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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Developer Reimbursement	2,000,000					2,000,000
Total	2,000,000					2,000,000

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	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**

**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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Design-Consultant Engineering				121,000	1,890,000	2,011,000
Total				121,000	1,890,000	2,011,000

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	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.

Prior	Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
85,000	Construction-Contract		565,000				565,000
Total	Right of Way Costs	0	0				0
	Construction Management-Staff		50,000				50,000
	Total	0	615,000				615,000

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
85,000	Water Utility Fund: 20303830		615,000				615,000
Total	Total		615,000				615,000

# CITY OF MADERA

## PROJECT DETAILS

Engineering

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

Prior	Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
462,000	Construction-Contract		5,700,000				5,700,000
	Construction Management-Staff	377,000	193,000				570,000
Total							
	Total	377,000	5,893,000				6,270,000

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
462,000	Water Utility Fund: 20303830	4,147,000	2,123,000				6,270,000
Total	Total	4,147,000	2,123,000				6,270,000



# 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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	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
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Project Cost:	\$750,000	Project Manager:	Ellen Bitter
Category:	Study/Report	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.

Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Study/Report	150,000	150,000	150,000	150,000	150,000	750,000
Total	150,000	150,000	150,000	150,000	150,000	750,000

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Water Utility Fund: 20303830	150,000	150,000	150,000	150,000	150,000	750,000
Total	150,000	150,000	150,000	150,000	150,000	750,000

# CITY OF MADERA

## PROJECT DETAILS

Engineering

W-STDY-2 Water System Condition Assess/Rehab	Project Number:	W-STDY-2
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Project Cost:	\$550,000	Project Manager:	Ellen Bitter
Category:	Study/Report	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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
180,000	Design-Consultant Engineering	370,000					370,000
Total	Total	370,000					370,000

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
180,000	Water Utility Fund: 20303830	370,000					370,000
Total	Total	370,000					370,000

# CITY OF MADERA

## PROJECT DETAILS

Engineering

<b>W-STDY-3 Water Asset Mgmt Software</b>	<b>Project Number:</b>	<b>W-STDY-3</b>
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<b>Project Cost:</b>	\$150,000	<b>Project Manager:</b>	Ellen Bitter
<b>Category:</b>	Study/Report	<b>Phase:</b>	

**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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Study/Report		150,000				150,000
Total		150,000				150,000

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Water Utility Fund: 20303830		150,000				150,000
Total		150,000				150,000

# CITY OF MADERA

## PROJECT DETAILS

Engineering

### W-T-0001 Water Storage Tank Installation

Project Number:

W-T-0001

Project Cost: \$10,521,000

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) as identified in the 2014 Master Plan.

**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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
963,000	Design-Consultant Engineering	148,000					148,000
	Construction-Contract		4,000,000	4,720,000			8,720,000
	Right of Way Costs	350,000					350,000
	Construction Management-Staff		180,000	100,000			280,000
	Design-Staff	60,000					60,000
	<b>Total</b>	<b>558,000</b>	<b>4,180,000</b>	<b>4,820,000</b>			<b>9,558,000</b>

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
963,000	Water Utility Fund: 20303830	558,000	5,950,000	3,050,000			9,558,000
	<b>Total</b>	<b>558,000</b>	<b>5,950,000</b>	<b>3,050,000</b>			<b>9,558,000</b>

# 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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Construction-Contract		64,080				64,080
Construction Management-Staff		2,920				2,920
Total		67,000				67,000

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
UNDETERMINED		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:	\$9,142,522	Project Manager:	Jerry Martinez
Category:	Buildings	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

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

Prior	Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
4,322,522	Construction-Contract	4,240,000					4,240,000
	Construction Management-Staff	180,000					180,000
	Contingency	400,000					400,000
Total							
	Total	4,820,000					4,820,000

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
4,322,522	Measure K Sales Tax: 10252500	300,000	300,000	4,220,000			4,820,000
Total							
	Total	300,000	300,000	4,220,000			4,820,000

# 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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Construction-Contract		67,000				67,000
Construction Management-Staff		3,000				3,000
Total		70,000				70,000

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
UNDETERMINED		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:	\$209,000	Project Manager:	Mary Anne Seay
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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
20,000	Construction-Contract	36,000	37,000	38,000	39,000	39,000	189,000
Total	Total	36,000	37,000	38,000	39,000	39,000	189,000

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
20,000	LTF - Parks: 42005410	36,000	37,000	38,000	39,000	39,000	189,000
Total	Total	36,000	37,000	38,000	39,000	39,000	189,000

# CITY OF MADERA

## PROJECT DETAILS

## Parks & Community Services

**PK-00008 FRT-Gateway/UPRR Undercrossing**

**Project Number:**

**PK-00008**

**Project Cost:** \$1,343,500

**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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
289,500	Construction-Contract	931,000					931,000
	Construction Management-Staff	65,000					65,000
	UPRR	27,500					27,500
	CMCINSP	30,500					30,500
<b>Total</b>		<b>1,054,000</b>					<b>1,054,000</b>

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
290,000	ATP Grant: 41705090	379,000					379,000
	CMAQ - Parks: 41705030	183,000					183,000
	LTF - Parks: 42005410	70,000					70,000
	Measure T - Enviromental Enhancement: 41570000	176,000					176,000
	SJVAPCD - Remove II Grant: 41305422	35,500					35,500
	UNDETERMINED	210,000					210,000
<b>Total</b>		<b>1,053,500</b>					<b>1,053,500</b>

# CITY OF MADERA

## PROJECT DETAILS

## Parks & Community Services

**PK-00013 Sunrise Rotary Sports Complex**

**Project Number:**

**PK-00013**

**Project Cost:** \$1,711,763

**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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
121,263	Design-Consultant Engineering	70,000					70,000
Total	Construction-Contract		1,372,500				1,372,500
	Construction Management-Staff		100,000				100,000
	Design-Staff	10,000	3,000				13,000
	CMCINSP		35,000				35,000
	<b>Total</b>	<b>80,000</b>	<b>1,510,500</b>				<b>1,590,500</b>

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
121,263	Chukchansi Community Benefit Grant: 41096354	15,059					15,059
Total	DIF:4088 Parks Impact Fee	64,941	270,931				335,872
	UNDETERMINED		1,239,569				1,239,569
	<b>Total</b>	<b>80,000</b>	<b>1,510,500</b>				<b>1,590,500</b>

# CITY OF MADERA

## PROJECT DETAILS

## Parks & Community Services

**PK-00048 Tulare/Cleveland/Raymond Bike Path****Project Number:****PK-00048****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.

<b>Expenditures</b>	<b>'19/'20</b>	<b>'20/'21</b>	<b>'21/'22</b>	<b>'22/'23</b>	<b>'23/'24</b>	<b>Total</b>
Design-Consultant Engineering	10,000					10,000
Construction-Contract		285,000				285,000
Construction Management-Staff		30,000				30,000
<b>Total</b>	<b>10,000</b>	<b>315,000</b>				<b>325,000</b>

<b>Funding Sources</b>	<b>'19/'20</b>	<b>'20/'21</b>	<b>'21/'22</b>	<b>'22/'23</b>	<b>'23/'24</b>	<b>Total</b>
CMAQ - Parks: 41705030		275,000				275,000
Measure T - Enviromental Enhancement: 41570000	10,000	40,000				50,000
<b>Total</b>	<b>10,000</b>	<b>315,000</b>				<b>325,000</b>

# 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.

<b>Expenditures</b>	<b>'19/'20</b>	<b>'20/'21</b>	<b>'21/'22</b>	<b>'22/'23</b>	<b>'23/'24</b>	<b>Total</b>
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
<b>Total</b>				<b>45,000</b>	<b>339,000</b>	<b>384,000</b>

<b>Funding Sources</b>	<b>'19/'20</b>	<b>'20/'21</b>	<b>'21/'22</b>	<b>'22/'23</b>	<b>'23/'24</b>	<b>Total</b>
CMAQ - Parks: 41705030					300,000	300,000
Measure T - Environmental Enhancement: 41570000				45,000	39,000	84,000
<b>Total</b>				<b>45,000</b>	<b>339,000</b>	<b>384,000</b>

# 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.

<b>Expenditures</b>	<b>'19/'20</b>	<b>'20/'21</b>	<b>'21/'22</b>	<b>'22/'23</b>	<b>'23/'24</b>	<b>Total</b>
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
<b>Total</b>				<b>40,000</b>	<b>156,000</b>	<b>196,000</b>
<b>Funding Sources</b>	<b>'19/'20</b>	<b>'20/'21</b>	<b>'21/'22</b>	<b>'22/'23</b>	<b>'23/'24</b>	<b>Total</b>
CMAQ - Parks: 41705030					35,000	35,000
Measure T - Enviromental Enhancement: 41570000				40,000	121,000	161,000
<b>Total</b>				<b>40,000</b>	<b>156,000</b>	<b>196,000</b>

# CITY OF MADERA

## PROJECT DETAILS

## Parks & Community Services

PK-00062 ADA Improvements at Pan-Am and Bergon

Project Number: PK-00062

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.

Prior	Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
<div>5,000</div>	Construction-Contract	55,000					55,000
Total	Construction Management-Staff	5,000					5,000
	Total	60,000					60,000

Prior

65,000

Total

# CITY OF MADERA

## PROJECT DETAILS

## Parks & Community Services

PK-00063 Centennial Park Rehab - Lighting			Project Number:	PK-00063
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Project Cost:	\$507,906	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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
148,906	Construction-Contract	329,000					329,000
	Construction Management-Staff	30,000					30,000
Total		359,000					359,000

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
148,906	CDBG - Public Impr. Parks: 10218020	359,000					359,000
Total		359,000					359,000



# CITY OF MADERA

## PROJECT DETAILS

## Parks & Community Services

### PK-00064 India Park Project Number: PK-00064

**Project Cost:** \$25,000 **Project Manager:** Mary Anne Seay  
**Category:** Parks **Phase:**



**Description:** Proposed private party donation of just over 8 acres with the provision that the land only be used for a future municipal park to be named India Park. This project is limited to activities related to determining suitability of property for acquisition by the City.

**Justification:** The City is deficient in park space, if this project is successful in determining the feasibility and benefit of accepting the land donation, the City will be able to bank land in an area within the City's sphere of influence that is currently park deficient.

Prior	Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
10,700	Right of Way Costs	14,300					14,300
Total	Total	14,300					14,300

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
10,700	DIF:4088 Parks Impact Fee	14,300					14,300
Total	Total	14,300					14,300

# CITY OF MADERA

## PROJECT DETAILS

## Parks & Community Services

<b>PK-00065 Centennial Park Amenities</b>			<b>Project Number:</b>	<b>PK-00065</b>
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<b>Project Cost:</b>	\$190,000	<b>Project Manager:</b>	TBD
<b>Category:</b>	Parks	<b>Phase:</b>	

**Description:** Add a small picnic shelter, BBQ, and picnic tables on a concrete slab that adjoins to the parking lot north-east of the swimming pool and andd shade sails to the playground area.

**Justification:** Provide protection from harmful ultravoilet rays and amenities to enhance the park facilities and experience.

<b>Expenditures</b>	<b>'19/'20</b>	<b>'20/'21</b>	<b>'21/'22</b>	<b>'22/'23</b>	<b>'23/'24</b>	<b>Total</b>
Design-Consultant Engineering	15,000					15,000
Construction-Contract	150,000					150,000
Environmental	1,000					1,000
Construction Management-Staff	10,000					10,000
Design-Staff	5,000					5,000
CMCINSP	5,000					5,000
Design - 3rd Party Administrative Costs	4,000					4,000
<b>Total</b>	<b>190,000</b>					<b>190,000</b>
<b>Funding Sources</b>	<b>'19/'20</b>	<b>'20/'21</b>	<b>'21/'22</b>	<b>'22/'23</b>	<b>'23/'24</b>	<b>Total</b>
CDBG - Public Impr. Parks: 10218020	150,000					150,000
UNDETERMINED	40,000					40,000
<b>Total</b>	<b>190,000</b>					<b>190,000</b>

# CITY OF MADERA

## PROJECT DETAILS

Police Department

**PD-00001 Police Station Parking Lot** **Project Number: PD-00001**

**Project Cost:** \$200,000 **Project Manager:**  
**Category:** Public Facility **Phase:**

**Description:** Parking lot reconstruction.  
**Justification:**

Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Construction-Contract	155,000					155,000
Construction Management-Staff	25,000					25,000
Design-Staff	15,000					15,000
Design - 3rd Party	5,000					5,000
Administrative Costs						
Total	200,000					200,000

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Measure K Sales Tax: 10252500	200,000					200,000
Total	200,000					200,000

# CITY OF MADERA

## PROJECT DETAILS

## Public Works

**RM-00001 Rtne Maint City Bridges Fresno RVR** **Project Number: RM-00001**

**Project Cost:** \$60,000 **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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
10,000	Engineering/Administration	10,000					10,000
	Materials/Equipment	20,000					20,000
	Erosion Control	20,000					20,000
	<b>Total</b>	<b>50,000</b>					<b>50,000</b>

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
10,000	LTF - Streets: 42005330	50,000					50,000
	<b>Total</b>	<b>50,000</b>					<b>50,000</b>

# CITY OF MADERA

## PROJECT DETAILS

## Public Works

<b>SS-00010 Airport Lift Station Pumps Replacement</b>	<b>Project Number:</b>	<b>SS-00010</b>
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<b>Project Cost:</b>	\$150,000	<b>Project Manager:</b>	Ellen Bitter
<b>Category:</b>	Sewer	<b>Phase:</b>	

**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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Construction-Contract	120,000					120,000
Construction Management-Staff	30,000					30,000
Total	150,000					150,000

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Sewer Utility Fund: 20403420	150,000					150,000
Total	150,000					150,000

# CITY OF MADERA

## PROJECT DETAILS

## Public Works

**SS-00012 Doubletree Sewer - Westberry to Liberty** **Project Number: SS-00012**

**Project Cost:** \$325,000 **Project Manager:** Ellen Bitter  
**Category:** Sewer **Phase:**

**Description:** Replace sewer laterals damaged or collapsed by tree intrusion on Doubletree way, west of Westberry Blvd. to Liberty Lane.

**Justification:** Sewer system servicing neighborhood is in a state of disrepair.

Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Design-Consultant Engineering	100,000					100,000
Construction-Contract		200,000				200,000
Right of Way Costs	25,000					25,000
<b>Total</b>	<b>125,000</b>	<b>200,000</b>				<b>325,000</b>

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Sewer Utility Fund: 20403420	125,000	200,000				325,000
<b>Total</b>	<b>125,000</b>	<b>200,000</b>				<b>325,000</b>

# CITY OF MADERA

## PROJECT DETAILS

Public Works

W-000017 Well 27 Pipe Outfall Extension Project Number: W-000017

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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
283,000	Construction-Contract	125,000	152,000				277,000
	Construction Management-Staff	15,000					15,000
Total	Total	140,000	152,000				292,000

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
283,000	Water Utility Fund: 20303830	140,000	152,000				292,000
Total	Total	140,000	152,000				292,000

# CITY OF MADERA

## PROJECT DETAILS

Public Works

**W-000022 Water Tower Recoating** **Project Number: W-000022**

**Project Cost:** \$1,490,000 **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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
100,000	Construction-Contract		1,270,000				1,270,000
	Construction Management-Staff		100,000				100,000
	Design-Staff	20,000					20,000
	Total	20,000	1,370,000				1,390,000

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Water Utility Fund: 20303830	120,000	1,370,000				1,490,000
Total	120,000	1,370,000				1,490,000



# CITY OF MADERA

## PROJECT DETAILS

Public Works

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

**Project Cost:** \$130,000 **Project Manager:** John Scarborough  
**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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Construction-Contract	130,000					130,000
Total	130,000					130,000

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Water Utility Fund: 20303830	130,000					130,000
Total	130,000					130,000

# CITY OF MADERA

## PROJECT DETAILS

## Public Works

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

Project Cost: \$1,530,000 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.

Prior	Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
30,000	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	Total	300,000	300,000	300,000	300,000	300,000	1,500,000

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
30,000	Water Utility Fund: 20303830	300,000	300,000	300,000	300,000	300,000	1,500,000
Total	Total	300,000	300,000	300,000	300,000	300,000	1,500,000

# CITY OF MADERA

## PROJECT DETAILS

## Public Works

### W-000033 Residential AMR Water Meter Replacements

Project Number: W-000033

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

Description: Replacement of approximately 4,000 residential meters that were retrofitted 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 retrofitted 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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Design-Consultant Engineering	50,000	40,000				90,000
Construction-Contract	385,000	410,000	450,000	460,000	470,000	2,175,000
Construction Management-Staff	50,000	40,000	30,000	30,000	30,000	180,000
Design-Staff	15,000	10,000				25,000
CMCINSP			30,000	30,000	30,000	90,000
Total	500,000	500,000	510,000	520,000	530,000	2,560,000
Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	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-000034 South St Water Tower Exterior Rehab** **Project Number: W-000034**

**Project Cost:** \$300,000 **Project Manager:** John Scarborough  
**Category:** Water **Phase:**

**Description:** NEED DESCRIPTION

**Justification:** NEED DESCRIPTION

<b>Expenditures</b>	<b>'19/'20</b>	<b>'20/'21</b>	<b>'21/'22</b>	<b>'22/'23</b>	<b>'23/'24</b>	<b>Total</b>
Design-Consultant Engineering	30,000					30,000
Construction-Contract		250,000				250,000
Construction Management-Staff		15,000				15,000
Design-Staff	5,000					5,000
<b>Total</b>	<b>35,000</b>	<b>265,000</b>				<b>300,000</b>

<b>Funding Sources</b>	<b>'19/'20</b>	<b>'20/'21</b>	<b>'21/'22</b>	<b>'22/'23</b>	<b>'23/'24</b>	<b>Total</b>
Water Utility Fund: 20303830	35,000	265,000				300,000
<b>Total</b>	<b>35,000</b>	<b>265,000</b>				<b>300,000</b>

# CITY OF MADERA

## PROJECT DETAILS

## Public Works

**W-000035 Chlorinators - Water Wells** **Project Number: W-000035**

**Project Cost:** \$525,000 **Project Manager:** John Scarborough  
**Category:** Water **Phase:**

**Description:** Replace well chlorine generating equipment at Wells 15, 30 and 22.

**Justification:** Existing chlorine generating equipment is antiquated and failing.

Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Design-Consultant Engineering	50,000					50,000
Construction-Contract	475,000					475,000
<b>Total</b>	<b>525,000</b>					<b>525,000</b>

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Water Utility Fund: 20303830	525,000					525,000
<b>Total</b>	<b>525,000</b>					<b>525,000</b>

# CITY OF MADERA

## PROJECT DETAILS

## Public Works

**W-000036 4th/Gateway Line and Valve** **Project Number: W-000036**

**Project Cost:** \$500,000 **Project Manager:** John Scarborough  
**Category:** Water **Phase:**

**Description:** Replace valve and pipe encased in concrete on 4th Street at Gateway Avenue.

**Justification:** Water service pipe is antiquated and requires replacement/update.

Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Design-Consultant Engineering	60,000					60,000
Construction-Contract		440,000				440,000
Total	60,000	440,000				500,000

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Water Utility Fund: 20303830	60,000	440,000				500,000
Total	60,000	440,000				500,000

# CITY OF MADERA

## PROJECT DETAILS

## Public Works

<b>W-GW-001 Water Well 37-Install Pump</b>	<b>Project Number:</b>	<b>W-GW-001</b>
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<b>Project Cost:</b>	\$1,012,000	<b>Project Manager:</b>	Ellen Bitter
<b>Category:</b>	Water	<b>Phase:</b>	CONSTRUCTION

**Description:** Install pump and electrical equipment at previously drilled well subject to ability to fund with impact fees. Design drawings are complete.

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

Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Construction-Contract		942,000				942,000
Construction Management-Staff		70,000				70,000
Total		1,012,000				1,012,000

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
DIF:4082/4051 Water Wells Impact Fee		1,012,000				1,012,000
Total		1,012,000				1,012,000

# CITY OF MADERA

## PROJECT DETAILS

Public Works

W-GW-005 VFD Retrofit 4 Wells			Project Number:	W-GW-005
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Project Cost: \$160,000      Project Manager: Ellen Bitter  
Category: Water      Phase:

Description: NEED INFO  
Justification: NEED INFO

Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Construction-Contract	160,000					160,000
Total	160,000					160,000

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Water Utility Fund: 20303830	160,000					160,000
Total	160,000					160,000



# CITY OF MADERA

## PROJECT DETAILS

RDA Successor Agency

**RDA-16-01 Adell St Utility Project** **Project Number: RDA-16-01**

**Project Cost:** \$1,735,000 **Project Manager:** Bob Wilson  
**Category:** Street Reconstruction **Phase:** CONSTRUCTION

**Description:** Construction of sidewalks, street lights, curb, gutters, storm drainage, water & sewer mains, and widening of street along Adell Street.  
**Justification:** Improvement of City neighborhoods for the betterment of the whole community.

Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Construction-Contract	1,568,922					1,568,922
Construction Management-Staff	166,078					166,078
<b>Total</b>	<b>1,735,000</b>					<b>1,735,000</b>

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
TARB Funds (Formerly RDA)	1,735,000					1,735,000
<b>Total</b>	<b>1,735,000</b>					<b>1,735,000</b>

CITY OF MADERA

PROJECT DETAILS

RDA Successor Agency

RDA-16-07 Adelaide Subdivision

Project Number: RDA-16-07

Project Cost: \$1,557,565

Project Manager: Bob Wilson

Category: Street Reconstruction

Phase:

Description: Construct street, water & sewer, joint trench and PG&E undergrounding on Lilly Street.

Justification: Blight elimination.

Prior	Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
47,000	Design-Consultant Engineering	62,000					62,000
Total	Construction-Contract	1,338,565					1,338,565
	Construction Management-Staff	110,000					110,000
	Total	1,510,565					1,510,565

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
47,000	TARB Funds (Formerly RDA)	1,510,565					1,510,565
Total	Total	1,510,565					1,510,565

# CITY OF MADERA

## PROJECT DETAILS

RDA Successor Agency

RDA-17-02 Yosemite Lot Development	Project Number:	RDA-17-02
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Project Cost:	\$600,970	Project Manager:	Bob Wilson
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.

Prior	Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
50,000	Construction-Contract	500,970					500,970
	Construction Management-Staff	50,000					50,000
Total	Total	550,970					550,970

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
50,000	TARB Funds (Formerly RDA)	550,970					550,970
Total	Total	550,970					550,970

# CITY OF MADERA

## PROJECT DETAILS

RDA Successor Agency

**RDA-18-02 Adell St Interconnect, Kennedy & Adell** **Project Number: RDA-18-02**

**Project Cost:** \$265,000 **Project Manager:** Keith Helmuth  
**Category:** Street Reconstruction **Phase:**

**Description:** 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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
Developer Reimbursement	265,000					265,000
Total	265,000					265,000

Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
TARB Funds (Formerly RDA)	265,000					265,000
Total	265,000					265,000

# CITY OF MADERA

## PROJECT DETAILS

## Transit Program

TRANS-01 Madera Transit Center			Project Number:	Trans-01
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Project Cost:	\$5,404,200	Project Manager:	Jerry Martinez
Category:	Buildings	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	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
773,000	Construction-Contract	4,235,350					4,235,350
	Construction Management-Staff	395,850					395,850
Total							
	Total	4,631,200					4,631,200

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
773,000	FTA 21228-399	3,585,000					3,585,000
	Prop 1B PTMISEA: 21295590	1,046,200					1,046,200
Total							
	Total	4,631,200					4,631,200

# CITY OF MADERA

## PROJECT DETAILS

## Transit Program

Trans-09 RMRA Sustainable Communities 145/Main	Project Number:	Trans-09
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Project Cost:	\$297,990	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.

Prior	Expenditures	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
88,600	Design-Consultant Engineering	154,340					154,340
	Design-Staff	55,050					55,050
Total		209,390					209,390

Prior	Funding Sources	'19/'20	'20/'21	'21/'22	'22/'23	'23/'24	Total
88,600	LTF - Streets: 42005330	24,017					24,017
	RMRA Sustainable Communities Grants	185,373					185,373
Total		209,390					209,390

