

FY 2008 - 2011

**Capital Improvement
Program**



Calaveras County Public Works Department

May 23, 2008

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FY 2008 - 2011

Road and Bridge

Capital Improvements



**CALAVERAS
COUNTY
PUBLIC WORKS**

**CAPITAL PROJECT:
Copper Cove Drive Guardrail**

Description:

Improvements involve the construction of an 8-foot shoulder and installation of new guardrail along a curve on a .04 mile segment of Copper Cove Dr. approximately 0.6 miles west of Sawmill Rd and 0.2 miles east of Quiver St.

Justification:

The roadway alignment of Copper Cove Drive is considered a broken back curve alignment (the radii of the curves are inconstant) which leads to run-off the road type accidents. Cars leaving the roadway can roll over due to a 10-foot vertical drop-off.

CIP FACTS:

- Continuing
- Project Status: Pre Design
- Timeline: FY 2007-2009
- Managing Department: Public Works
- Comprehensive Plan: Copperopolis Benefit

IMPACT ANALYSIS:

- Environmental: Categorical Exempt. CEQA
- Design Elements: Caltrans Standards

Consultant Services Scope:

See supplemental information.

Supplemental Information:

Applied for Highway Safety Improvement Grant (HSIP) on February 29, 2008. Grant approved and request for authorization to proceed to be submitted prior to July 2nd.

PROJECT FINANCIAL REQUIREMENTS							
	Prior Yr	2007-08	2008-09	2009-10	2010-11	Future	Total Funding
Pre-Design Costs							
Design Costs			4,000				4,000
Construction Costs			47,380				47,380
Other							
Total Budget Request		0	51,380	0	0	0	51,380
Revenues:							
HSIP*			46,242				46,242
Copperopolis Benefit			5,138				5,138
Source of Funds:							
Source of Funds:							
Source of Funds:							
Total Revenues		0	51,380	0	0	0	51,380

* Requested but uncommitted funding at this time



**CALAVERAS
COUNTY
PUBLIC WORKS**

**CAPITAL PROJECT:
Daphne Street Bikepath (BTA)**

Description:

Provides Pedestrian/Bicycle Facility on a major route into Valley Springs

Justification:

Improve the safety of children that walk to and from school and the park.

CIP FACTS:

- Continuing
- Project Status: Final Design
- Timeline: Construction 2008
- Managing Department: Public Works
- Comprehensive Plan: Bicycle & Ped Plan

IMPACT ANALYSIS:

- Environmental: CEQA Categorical Exempt.
- Design Elements: Caltrans Standards

Consultant Services Scope:

The project is being designed in-house. The work consists of construction of all improvements associated with Class II paved bikeway along and adjacent to Daphne Street in Valley Springs.

Supplemental Information:

The project is primarily funded by Proposition 16 BTA and Local Transportation Fund (LTF) bike/ped funds. Project must be constructed and project closed (final reimbursement billing) by May 2009.

PROJECT FINANCIAL REQUIREMENTS							
	Prior Yr	2007-08	2008-09	2009-10	2010-11	Future	Total Funding
Pre-Design Costs							
Design Costs			30,000				30,000
Construction Costs			350,000				350,000
Other							
Total Budget Request		0	380,000	0	0	0	380,000
Revenues:							
Prop 16 BTA			186,000				186,000
LTF Bike/Ped			164,000				164,000
RSTP			30,000				30,000
Source of Funds:							
Source of Funds:							
Total Revenues		0	380,000	0	0	0	380,000



**CALAVERAS
COUNTY
PUBLIC WORKS**

**CAPITAL PROJECT:
Jenny Lind Elementary Safe Routes to School**

Description:

Provides pedestrian/bicycle facility improvements on a major access route to Jenny Lind Elementary School. Project limits extend from the SR 26 / Baldwin Street intersection along SR 26 and Driver Road to the access roadway into Jenny Lind Elementary School.

Justification:

The project improves the safety of children that walk to and from school and is a start towards addressing the larger vehicle/pedestrian congestion issues in the area.

CIP FACTS:

- Continuing
- Project Status: Pre Design
- Timeline: FY 2008 - 2009
- Managing Department: Public Works
- Comprehensive Plan: Bicycle & Ped Plan

IMPACT ANALYSIS:

- Environmental: CEQA
- Design Elements: Caltrans Standards

Consultant Services Scope:

The project will be designed by consultant services. The conceptual project scope of work that was included in the grant application will need to be refined and finalized following meetings with Caltrans to identify potential project constraints along SR 26, and with the School District and the community to gather input and identify concerns and issues.

Supplemental Information:

A \$900,000 Safe Routes to School (SR2S) grant application was approved by Caltrans in March 2008. The grant pays 90% of up to a \$1,000,000 project scope. Additional funding for the project includes a \$65,000 participation by both Community Services Area No. 1 Rancho Calaveras and Calaveras Unified School District in the proposed improvements along Driver Road.

PROJECT FINANCIAL REQUIREMENTS							
	Prior Yr	2007-08	2008-09	2009-10	2010-11	Future	Total Funding
Pre-Design Costs							
Design Costs			90,000				90,000
Construction Costs			200,000	791,535			991,535
Other							
Total Budget Request		0	290,000	791,535	0	0	1,081,535
Revenues:							
SR2S			261,000	639,000			900,000
LTF Bike/Ped			29,000	22,535			51,535
CSA No. 1				65,000			65,000
CUSD				65,000			65,000
Source of Funds:							
Total Revenues		0	290,000	791,535	0	0	1,081,535



**CALAVERAS
COUNTY
PUBLIC WORKS**

**CAPITAL PROJECT:
Mountain Ranch Road Advance Curve Warning**

Description:

The project will install two permanent solar powered stationary advance curve warning and advisory speed LED message board signs and centerline rumble strips and pavement reflectors along a 1.1-mile segment of Mountain Ranch Road approximately 5 miles east of San Andreas, near its intersection with Rocky Road.

Justification:

The local community refers to this segment of Mountain Ranch Road as the "Arctic Mile" due to shaded roadway icing driving conditions during the winter months. The majority of area residents are supportive of these safety improvements.

CIP FACTS:

- Continuing
- Project Status: Preliminary Engineering
- Timeline: FY 2007-2009
- Managing Department: Public Works
- Comprehensive Plan: RSTP

IMPACT ANALYSIS:

- Environmental: CEQA Categorical Exempt. NEPA required
- Design Elements: Caltrans Standards

Consultant Services Scope:

The Project will be designed by consultant services, which will provide all necessary services to evaluate existing conditions, ROW and environmental requirements, provide conceptual and final design, and produce construction documents. The scope will also include obtaining approvals and completing all paperwork necessary to comply with all local, state, and federal requirements.

Supplemental Information:

Project is funded by the High Risk Rural Road (HR3) program as a set aside to address safety problems. Project costs are eligible for 90% federal reimbursement. Authorization to proceed with Preliminary Engineering (PE E-76) received. An RFP has been prepared and issued to previously established consultant shortlist of Transportation/Civil Design firms. Design completion - Dec. 2008

PROJECT FINANCIAL REQUIREMENTS							
	Prior Yr	2007-08	2008-09	2009-10	2010-11	Future	Total Funding
Pre-Design Costs							
Design Costs			15,000				15,000
Construction Costs			213,800				213,800
Other							
Total Budget Request			228,800	0	0	0	228,800
Revenues:							
HR3			205,920				205,920
RSTP			22,880				22,880
Source of Funds:							
Source of Funds:							
Source of Funds:							
Total Revenues			228,800	0	0	0	228,800



**CALAVERAS
COUNTY
PUBLIC WORKS**

**CAPITAL PROJECT:
Mountain Ranch Road Turn-Outs**

Description:

Construction of an uphill and a downhill turn-out on Mountain Ranch Road east of lower Michel Road.

Justification:

Mountain Ranch Road is listed as a priority in the RIM. A maximum of 13.4% of project cost is eligible for RIM funding per the RIM Fee Study. The majority of Mountain Ranch area residents have expressed support for this type of safety improvements.

CIP FACTS:

- Continuing
- Project Status: Preliminary Engineering
- Timeline: FY 2007-2009
- Managing Department: Public Works
- Comprehensive Plan: RIM

IMPACT ANALYSIS:

- Environmental: CEQA: Neg Declaration
NEPA: (Federally Funded)
- Design Elements: Caltrans Standards

Consultant Services Scope:

The Project will be designed by consultant services, which will provide all necessary services to evaluate existing conditions, ROW and environmental requirements, provide conceptual and final design, and produce construction documents. The scope will also include obtaining approvals and completing all paperwork necessary to comply with all local, state, and federal requirements.

Supplemental Information:

Project is funded by the High Risk Rural Road (HR3) program as a set aside to address safety problems. Project costs are eligible for 90% federal reimbursement. Authorization to proceed with Preliminary Engineering (PE E-76) received. An RFP has been prepared and issued to previously established consultant shortlist of Transportation/Civil Design firms. Design completion - Dec. 2008

PROJECT FINANCIAL REQUIREMENTS							
	Prior Yr	2007-08	2008-09	2009-10	2010-11	Future	Total Funding
Pre-Design Costs							
Design Costs			150,150				150,150
Construction Costs			500,000	714,510			1,214,510
Other							0
Total Budget Request			650,150	714,510	0		1,364,660
Revenues:							
HRRR			585,135	314,865			900,000
RIM			65,015	117,849			182,864
RSTP				281,796			281,796
Source of Funds:							
Source of Funds:							
Total Revenues		0	650,150	714,510	0		1,364,660



**CALAVERAS
COUNTY
PUBLIC WORKS**

**CAPITAL PROJECT:
O'Byrnes Ferry Road Lt-Turn Lane (Poker Flat)**

Description:

Improvements involve the construction of roadway widening and a northbound left-turn lane & shoulders at the non-signalized T-intersection of O'Byrnes Ferry Rd & Duchess Dr (Poker Flat).

Justification:

Agreement between Poker Flat Property Owners Association and County to fund improvements per MOU dated June 2006.

CIP FACTS:

- Continuing
- Project Status: Preliminary Engineering
- Timeline: FY 2008-2010
- Managing Department: Public Works
- Comprehensive Plan: Copperopolis Benefit

IMPACT ANALYSIS:

- Environmental: CEQA Categorical Exempt.
- Design Elements: Caltrans Standards

Consultant Services Scope:

The Project has been preliminarily designed in house by County staff. Final design work performed after grant approval and authorization for PE by Caltrans would be eligible for reimbursement.

Supplemental Information:

Highway Safety Improvement Grant (HSIP) grant approved and request for authorization to proceed will be submitted to CAL Trans prior to July 2nd. Grant recipients will be notified in late May or early June. The County is also submitting an HR3 grant application. The project is unfunded if both applications are unsuccessful. An earth retaining system will be required to avoid acquisition of right-of-way on

PROJECT FINANCIAL REQUIREMENTS							
	Prior Yr	2007-08	2008-09	2009-10	2010-11	Future	Total Funding
Pre-Design Costs							
Design Costs			74,155				74,155
Construction Costs			250,000	573,115			823,115
Other							0
Total Budget Request		0	324,155	573,115	0		897,270
Revenues:							
HSIP*			291,740	515,804			807,543
Poker Flat POA			32,416	27,585			60,000
Copper Benefit Basin **				29,727			29,727
Source of Funds:							
Source of Funds:							
Total Revenues		0	324,155	573,115	0		897,270

* Uncommitted funding at this time

** Proposed funding requires adoption of revised Copperopolis Benefit Basin Nexus Analysis.



**CALAVERAS
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PUBLIC WORKS**

**CAPITAL PROJECT:
Road Rehabilitation Paving**

Description:

Roadway rehabilitation and resurfacing project that will increase the useful life of county roads.

Justification:

Roads identified in this project are in need of rebuilding and/or applying surface treatments to decrease the expenditures of maintenance funds used to repair pot holes.

CIP FACTS:

- Continuing
- Project Status: Pre-Design
- Timeline: FY 2008 - 2010
- Managing Department: Public Works
- Comprehensive Plan:

IMPACT ANALYSIS:

- Environmental: CEQA Categorical Exempt.
- Design Elements: Caltrans Standards

Consultant Services Scope:

The project will be designed and constructed in house. The County's labor and material costs are reimbursable from the County's allocation of Prop. 1-B funding.

Supplemental Information:

The list of road projects proposed for falls under the Prop. 1-B criteria for a maintenance program. The list of proposed road paving is discretionary and does not require State approval prior to construction.

PROJECT FINANCIAL REQUIREMENTS							
	Prior Yr	2007-08	2008-09	2009-10	2010-11	Future	Total Funding
Pre-Design Costs							
Design Costs			8,264	8,264			8,264
Construction Costs			1,736,736	864,236			1,736,736
Other							0
Total Budget Request		0	1,745,000	872,500	0		1,745,000
Revenues:							
Prop 1-B			1,745,000	872,500			1,745,000
Source of Funds:							
Source of Funds:							
Source of Funds:							
Source of Funds:							
Total Revenues		0	1,745,000	872,500	0		1,745,000

CAPITAL PROJECT: Road Rehabilitation Paving

FY 2008 - 09					
<u>Road</u>	<u>From</u>	<u>To</u>	<u>LF</u>	<u>Length</u>	<u>MI</u>
Fourth Crossing Rd	SR 49	1.5 miles	9,504		1.80
Center Sreet	Center St & Main St	Miwok Trail	3,009		0.57
French Gulch Rd	Murphys Grade Rd	Murphys Grade Rd	5,280		1.00
Mokelumne Dr. West	Chamonix	Avery Dr	2,640		0.50
Milton Rd	SR 26	Opal Lane	7,780		1.47
Avery Sheep Ranch	Blue Bird	Timber Trails	5,280		1.00
Daphne St.	Pine Street	Sequoia Ave.	2,640		0.50
Main Street	SR 4	Reeds Turnpike	1,137		0.22
TOTALS			37,270		7.06

FY 2009 - 10					
<u>Road</u>	<u>From</u>	<u>To</u>	<u>LF</u>	<u>Length</u>	<u>MI</u>
Osage Crl	Sioux Trail	Sioux Trail	1,295		0.25
Messing Rd	SR 12	Pettinger Rd	9,029		1.71
Calaveritas Rd	Calaveritas Rd	2 Miles	10,560		2.00
TOTALS			20,884		3.96

Alternate Roads Subject to Funding:

<u>Road</u>	<u>From</u>	<u>To</u>	<u>LF</u>	<u>Length</u>	<u>MI</u>
Southworth Rd	Ospital Rd	Ospital Rd	--		--
Meko	Black Foot Crl	End of Road	5,280		1.00
Venado	Fairway Dr	Fawn Ct	6,864		1.30
Snowshoe Thompson	Boards Crossing	Hanging Tree Trail	3,062		0.58
Black Oak Dr	Venado Dr	End of Road	3,696		0.70
Double Springs Rd	SR 12/26	SR 26	11,385		2.16
Ospital Rd	Golf Course	County Line	7,392		1.40
Moke Hill CampoSeco	Center/Campo Seco	SR 49	1,162		0.22
Moke Hill CampoSeco	SR 49/Campo Seco	SR 26	9,346		1.77
Mariposa St	Sunset St/Mariposa	0.18 mile	934		0.18
Mountain Ranch Rd	Government Center	Willow Crl	7,920		1.50
Oak St	Maroposa/Oak	0.10 mile	138		0.03
Pool Station Rd	San Domingo Crk	3 Miles	15,840		3.00
Canyon View Subd.	Canyon View Dr	Apple Dr	7,920		1.50
Banner Rd	Railroad Flat	Cattle Guard	3,696		0.70
Hidden Valley	End of pavement	Lily Gap Rd	3,168		0.60
Independence Rd	Railroad Flat	Dogwood Pass	11,616		2.20
Jesus Marie Rd	Railroad Flat	Potteroff Rd	10,560		2.00
Railroad Flat Rd	So. Fort Bridge	Blue Mountain Rd	9,504		1.80
Summit Level Rd	End of Pavement	Fort Mountain Ranch	7,392		1.40
Russell Way	Moran Rd	Bear Run Way	2,640		0.50
TOTALS			129,515		24.53



**CALAVERAS
COUNTY
PUBLIC WORKS**

**CAPITAL PROJECT:
Sealing of Unpaved Roads**

Description:

Sealing (paving) of various unpaved roads in Calaveras County.

CIP FACTS:

- Continuing
- Project Status: Pre-Design
- Timeline: FY 2008 - 2010
- Managing Department: Public Works
- Comprehensive Plan:

Justification:

The County has been approved for Federal Highway Administration (FHWA) High Priority Program (HPP) earmarked grant funding in an amount of up to \$1,000,000 through FY 2010-11 for the sealing (paving) of unpaved roads.

IMPACT ANALYSIS:

- Environmental: CEQA Categorical Exempt.
- Design Elements: Caltrans Standards

Consultant Services Scope:

The project will be designed and constructed in house. The County's labor and material costs are eligible for reimbursement from the Federal earmarked grant funding.

Supplemental Information:

The County has been programmed to receive a total of up to \$200,000 of earmarked HPP funding per year over a five-year period, which commenced in FY 2006-07. A minimum 20% local match is required. The roads must be approved at a public hearing and submitted to Caltrans for approval prior to construction. A list of the roads proposed for paving is attached.

PROJECT FINANCIAL REQUIREMENTS							
	Prior Yr	2007-08	2008-09	2009-10	2010-11	Future	Total Funding
Pre-Design Costs							
Design Costs			8,264	4,132	4,132		16,528
Construction Costs			651,236	208,368	208,368		1,067,972
Other							
Total Budget Request		0	659,500	212,500	212,500	0	1,084,500
Revenues:							
FHWA HPP			527,600	170,000	170,000		867,600
RSTP			131,900	42,500	42,500		216,900
Source of Funds:							
Source of Funds:							
Source of Funds:							
Total Revenues		0	659,500	212,500	212,500	0	1,084,500

CAPITAL PROJECT: Sealing of Unpaved Roads

FY 2008 - 09					
<u>Road</u>	<u>From</u>	<u>To</u>	<u>Length</u>		
			<u>LF</u>	<u>MI</u>	
Campo Seco Rd	So. Camanchi Pk	Chile Camp	13,320	2.52	
Fricot City Rd	0.2 mile from Sheep	2.6 Miles on Fricot City	13,728	2.60	
TOTALS			27,048	5.12	

FY 2009 - 10					
<u>Road</u>	<u>From</u>	<u>To</u>	<u>Length</u>		
			<u>LF</u>	<u>MI</u>	
West Murray Rd	Doster Intersection	End of Road	3,168	0.60	
Whiskey Slide Rd	Whiskey Slide Rd /	.8 mile	4,224	0.80	
TOTALS			7,392	1.40	

FY 2010 - 11					
<u>Road</u>	<u>From</u>	<u>To</u>	<u>Length</u>		
			<u>LF</u>	<u>MI</u>	
Hawver Rd	Calaveras River	1 mile on Hawver Rd	5,280	1.00	
TOTALS			5,280	1.00	

Alternate Roads Subject to Funding:					
<u>Road</u>	<u>From</u>	<u>To</u>	<u>Length</u>		
			<u>LF</u>	<u>MI</u>	
Hogan Dam Rd	Gann Rd	First Gate	6,417	1.22	
Doster Rd	West Murray Creek	3168' West/Start Point	3,168	0.60	
Goodell Rd	Paloma Rd	End of road	6,177	1.17	
TOTALS			15,762	2.99	



**CALAVERAS
COUNTY
PUBLIC WORKS**

**CAPITAL PROJECT:
SR 12/26 Intersection Signalization Improvements**

Description:

This is an interim project to the future SR 12 Valley Springs Bypass that will widen, provide left-turn lanes and add a traffic signal to the current intersection of State Routes 12 & 26.

Justification:

Relieves peak hour traffic congestion, and improves air quality. Project is a high priority of the Board of Supervisors and the County RIM program.

CIP FACTS:

- Continuing
- Project Status: Preliminary Engineering
- Timeline: FY 2007-2011
- Managing Department: Public Works
- Comprehensive Plan: RIM

IMPACT ANALYSIS:

- Environmental: CEQA: EIR & NEPA: EIS
- Design Elements: Caltrans Standards

Consultant Services Scope:

The Project will be designed by consultant services, which will provide all necessary services to evaluate existing conditions, ROW and environmental requirements, provide conceptual and final design, and produce construction documents. The scope will also include obtaining approvals and completing all paperwork necessary to comply with all local, state, and federal requirements.

Supplemental Information:

Cooperative Agreement #10-302 with Caltrans for the Project Approval and Environmental Document (PA / ED) phase of the project, which will include preliminary and final design, was approved by the BOS on May 13, 2008. Authorization of Preliminary Engineering, issuance of a Request for Proposals, and consultant selection by the County will follow after the Cooperative Agreement has been executed by

PROJECT FINANCIAL REQUIREMENTS							
	Prior Yr	2007-08	2008-09	2009-10	2010-11	Future	Total Funding
Pre-Design Costs							
Design Costs			200,000	200,000			400,000
Construction Costs					676,411	298,589	975,000
Other: ROW					775,000		775,000
Total Budget Request			200,000	200,000	1,451,411	298,589	2,150,000
Revenues:							
CMAQ			175,000	175,000			350,000
County RIM			25,000	25,000	166,477	34,248	250,725
SHOPP/CMAQ*					1,284,934	264,341	1,549,275
Source of Funds:							
Source of Funds:							
Total Revenues		0	200,000	200,000	1,451,411	298,589	2,150,000

* Federal and State funding beyond FY 2009-10 has been requested but is uncommitted at this time



**CALAVERAS
COUNTY
PUBLIC WORKS**

**CAPITAL PROJECT:
Hawver Road Bridge (BR#00L038)**

Description:

Demolish, remove and dispense of low water crossing.
Construct a new flat-slab reinforced concrete bridge with 2 lanes, shoulders and railings.

Justification:

No existing bridge. The area is subject to road closure and inaccessibility for emergency vehicles due to flooding during periods of storms and ensuing runoff.

CIP FACTS:

- Continuing
- Project Status: Preliminary Engineering
- Timeline: FY 2008-2010
- Managing Department: Public Works
- Comprehensive Plan:

IMPACT ANALYSIS:

- Environmental: CEQA EIS; NEPA
- Design Elements: Caltrans Standards

Consultant Services Scope:

The Project will be designed by consultant services, which will provide all necessary services to evaluate existing conditions, ROW and environmental requirements, provide conceptual and final design, and produce construction documents. The scope will also include obtaining approvals and completing all paperwork necessary to comply with all local, state, and federal requirements.

Supplemental Information:

The project has been approved for Highway Bridge Program (HBP) funding. It is scheduled to be added to the FSTIP by amendment in April 2008. An RFP will be issued as soon as the Project is approved for PE by Caltrans. Authorization to proceed with PE will need to be filed by July 1, 2008.

PROJECT FINANCIAL REQUIREMENTS							
	Prior Yr	2007-08	2008-09	2009-10	2010-11	Future	Total Funding
Pre-Design Costs							
Design Costs			100,000				100,000
Construction Costs				700,700			700,700
Other							
Total Budget Request		0	100,000	700,700	0	0	800,700
Revenues:							
HBP			88,530	531,863			620,393
RSTP			11,470	168,837			180,307
Source of Funds:							
Source of Funds:							
Source of Funds:							
Total Revenues		0	100,000	700,700	0	0	800,700



Description:

O'Byrnes Ferry Road Bridge replacement and possible realignment.

Justification:

Structure deficiencies and history of accidents on roadway approaches.

CIP FACTS:

- Continuing
- Project Status: Preliminary Engineering
- Timeline: FY 2008-2012 and beyond
- Managing Department: Public Works
- Comprehensive Plan:

IMPACT ANALYSIS:

- Environmental: CEQA EIS
- Design Elements: Caltrans Standards

Consultant Services Scope:

An RFP for design services would be issued upon determination of final project scope and funding.

Supplemental Information:

The bridge is a joint responsibility of Calaveras County and Tuolumne County. The estimated cost of realignment significantly exceeds available Federal funding and Tuolumne County capacity to participate. Next step is to schedule a Study Session with BOS and Tuolumne County regarding the scope and timetable of project.

PROJECT FINANCIAL REQUIREMENTS							
	Prior Yr	2007-08	2008-09	2009-10	2010-11	Future	Total Funding
Pre-Design Costs	250,000						250,000
Design Costs						500,000	500,000
Construction Costs						31,500,000	31,500,000
Other							0
Total Budget Request		0	0	0	0		32,250,000
Revenues:							
HBP*	225,000					9,775,000	10,000,000
RSTP	25,000						25,000
Tuolumne County*						651,633	651,633
Unfunded*						21,573,367	21,573,367
Source of Funds:							
Total Revenues	250,000	0	0	0	0		32,250,000

* Future year funding is uncommitted at this time.



Description:

Remove and replace existing bridge #30C0044 over Esperanza Creek. Install approach guardrail.

Justification:

The existing facility is functionally obsolete and has major safety issues related to substandard width and bridge railing.

CIP FACTS:

- Continuing
- Project Status: Preliminary Engineering
- Timeline: FY 2008-2010
- Managing Department: Public Works
- Comprehensive Plan:

IMPACT ANALYSIS:

- Environmental: CEQA EIS and NEPA
- Design Elements: Caltrans Standards

Consultant Services Scope:

The Project will be designed by consultant services, which will provide all necessary services to evaluate existing conditions, ROW and environmental requirements, provide conceptual and final design, and produce construction documents. The scope will also include obtaining approvals and completing all paperwork necessary to comply with all local, state, and federal requirements.

Supplemental Information:

Project is funded by the Highway Bridge Program (HBP). Project costs are eligible for 88.53% federal reimbursement. Authorization to proceed with Preliminary Engineering awaiting Caltrans approval.

PROJECT FINANCIAL REQUIREMENTS

	Prior Yr	2007-08	2008-09	2009-10	2010-11	Future	Total Funding
Pre-Design Costs							
Design Costs			95,023				95,023
Construction Costs					532,131		532,131
Other							0
Total Budget Request		0	95,023	0	532,131		627,154
Revenues:							
HBP			84,124		471,096		555,219
RSTP			10,899		61,035		71,935
Source of Funds:							0
Source of Funds:							
Source of Funds:							
Total Revenues		0	95,023	0	532,131		627,154



**CALAVERAS
COUNTY
PUBLIC WORKS**

**CAPITAL PROJECT:
Stagecoach Road Bridge (BR#00L039)**

Description:

Demolish, remove and dispense of low water crossing.
Construct a new flat-slab reinforced concrete bridge with 2 lanes, shoulders and railings.

Justification:

No existing bridge. The area is subject to road closure and inaccessibility for emergency vehicles due to flooding during periods of storms and ensuing runoff.

CIP FACTS:

- Continuing
- Project Status: Preliminary Engineering
- Timeline: FY 2008-2010
- Managing Department: Public Works
- Comprehensive Plan:

IMPACT ANALYSIS:

- Environmental: CEQA EIS; NEPA
- Design Elements: Caltrans Standards

Consultant Services Scope:

The Project will be designed by consultant services, which will provide all necessary services to evaluate existing conditions, ROW and environmental requirements, provide conceptual and final design, and produce construction documents. The scope will also include obtaining approvals and completing all paperwork necessary to comply with all local, state, and federal requirements.

Supplemental Information:

The project has been approved for Highway Bridge Program (HBP) funding. It is scheduled to be added to the FSTIP by amendment in April 2008. An RFP will be issued as soon as the Project is approved for PE by Caltrans. The local funding match is the responsibility of CSA No. 4.

PROJECT FINANCIAL REQUIREMENTS							
	Prior Yr	2007-08	2008-09	2009-10	2010-11	Future	Total Funding
Pre-Design Costs							
Design Costs			100,000				100,000
Construction Costs					742,000		742,000
Other							0
Total Budget Request		0	100,000	0	742,000		842,000
Revenues:							
HBP			88,530		656,970		745,500
CSA*			11,470		85,030		96,500
Source of Funds:							0
Source of Funds:							
Source of Funds:							
Total Revenues		0	100,000	0	742,000		842,000

* Uncommitted funding at this time



**CALAVERAS
COUNTY
PUBLIC WORKS**

**Road and Bridge Funding Summary --
Non-Grant Funding Sources**

PROP 1-B	2008-09	2009-10	2010-11	Future	Total
REVENUES					
Beginning Balance	0				0
Projected Prior FY Cash Carryover		0	872,500	872,500	
Projected New FY Revenue	1,745,000	1,745,000			3,490,000
Total Funds Available	1,745,000	1,745,000	872,500	872,500	3,490,000
PROJECT EXPENDITURES					
Road Rehabilitation Paving	1,745,000	872,500			2,617,500
Bridge Projects (Reserved for HBP match)				872,500	872,500
Total Expenditures	1,745,000	872,500	0	872,500	3,490,000
Projected Ending Fund Balance	0	872,500	872,500	0	0

RSTP	2008-09	2009-10	2010-11	Future	Total
REVENUES					
Beginning Balance	512,000				512,000
Projected Prior FY Cash Carryover		560,851	323,718	447,773	
Projected New FY Revenue	256,000	256,000	256,000		768,000
Total Funds Available	768,000	816,851	579,718		1,280,000
PROJECT EXPENDITURES					
Daphne Street Bikepath	30,000				30,000
Hawver Road Bridge	11,470	168,837			180,307
Mountain Ranch Rd Advance Curve Warning	22,880				22,880
Mountain Ranch Road Turn-Outs		281,796			281,796
Railroad Flat Bridge Replacement	10,899		61,035		71,935
Sealing of Unpaved Roads	131,900	42,500	42,500		216,900
Scott's Junction Intersection Realignment			28,410		28,410
Total Expenditures	207,149	493,133	131,945		832,227
Projected Ending Fund Balance	560,851	323,718	447,773		447,773

UNALLOCATED LTF	2008-09	2009-10	2010-11	Future	Total
REVENUES					
Beginning Balance	597,898				597,898
Projected Prior FY Cash Carryover		404,898	382,363	382,363	
Projected New FY Revenue	0	0	0		0
Total Funds Available	597,898	404,898	382,363		597,898
PROJECT EXPENDITURES					
Daphne Street Bikepath	164,000				164,000
Jenny Lind Elem Safe Routes to School	29,000	22,535			51,535
Total Expenditures	193,000	22,535	0		215,535
Projected Ending Fund Balance	404,898	382,363	382,363		382,363

RIM	2008-09	2009-10	2010-11	Future	Total
REVENUES					
Beginning Balance	7,048,172				7,048,172
Projected Prior FY Cash Carryover		7,783,157	7,640,308	7,419,831	
Projected New FY Revenue	825,000	---	---	---	825,000
Total Funds Available	7,873,172	7,783,157	7,640,308		7,873,172
PROJECT EXPENDITURES					
Mountain Ranch Road Turn-Outs	65,015	117,849			182,864
SR 12/26 Intersection Signalization Imps	25,000	25,000	166,477	34,248	250,725
Scott's Junction Intersection Realignment			54,000		54,000
Total Expenditures	90,015	142,849	220,477		487,589
Projected Ending Fund Balance	7,783,157	7,640,308	7,419,831		7,385,583

COPPEROPOLIS BENEFIT BASIN	2008-09	2009-10	2010-11	Future	Total
REVENUES					
Beginning Balance	344,311				344,311
Projected Prior FY Cash Carryover		549,173	519,446	519,446	
Projected New FY Revenue	210,000	---	---	---	210,000
Total Funds Available	554,311	549,173	519,446		554,311
PROJECT EXPENDITURES					
Copper Cove Drive Guardrail	5,138				5,138
O'Byrnes Ferry Rd Lt-Turn Lane (Poker Flat)		29,727			29,727
Total Expenditures	5,138	29,727	0		34,865
Projected Ending Fund Balance	549,173	519,446	519,446		519,446

VALLEY SPGS BENEFIT BASIN	2008-09	2009-10	2010-11	Future	Total
REVENUES					
Beginning Balance	210,040				210,040
Projected Prior FY Cash Carryover		221,040	221,040	221,040	
Projected New FY Revenue	11,000	---	---	---	11,000
Total Funds Available	221,040	221,040	221,040		221,040
PROJECT EXPENDITURES					
					0
Total Expenditures	0	0	0	0	0
Projected Ending Fund Balance	221,040	221,040	221,040	0	221,040

Future/Unfunded Road & Bridge Projects

<u>Category</u>	<u>Project</u>
R&B	West Point Elem. Safe Routes to School
R&B	O'Byrnes Ferry Bridge Deck Repair
R&B	Scour Critical Bridges
R&B	Scour Counter Measures (various bridges)
R&B	Bridge Maint & Repair (various bridges)
R&B	Scott's Junction Intx Realignment
R&B	Sawyer Road Drainage Improvement
R&B	Gillam Road Stabilization
R&B	Way Finding Road Signage Program
FAC	Arnold Yard Sand Shed
FAC	Blacktop Sheds (5)
FAC	San Andreas Yard Restroom
FAC	San Andreas Yard Equipment Storage Shed
FAC	San Andreas Yard Fueling Station
FAC	Glencoe Yard Restroom
FAC	Security Cameras: Road Yards

FY 2008 - 2011

Transit

Capital Improvements



Description:

Construction of ADA-accessible passenger shelters. Improvements include bench, solar lighted shelter, waste receptacles, and replacement of existing facilities with new concrete slab, sidewalk, curb, and gutter.

Justification:

The shelters will increase visibility of the transit system while providing a safe, comfortable waiting location for the public transit user. All shelters will be ADA compliant.

CIP FACTS:

- Continuing
- Project Status: Preliminary Engineering
- Timeline: FY 2008-11
- Managing Department: Public Works
- Comprehensive Plan: Bus Stop Imp Prog

IMPACT ANALYSIS:

- Environmental: CEQA Categorical Exempt.
- Design Elements: Caltrans Standards

Consultant Services Scope:

The project has been preliminarily designed by in-house County staff. Final design and construction engineering services will be provided by in-house County staff, and all engineering services are eligible for reimbursement.

Supplemental Information:

The Phase 1 construction scheduled for 2008 will install four shelters. Planned locations are at the San Andreas Government Center, Angels Camp, Mokelumne Hill and Valley Springs. Additional shelters will be programmed for construction as grant funding becomes available, with Phase 2 tentatively scheduled for FY 2010-11 subject to grant application approval and funding availability.

PROJECT FINANCIAL REQUIREMENTS							
	Prior Yr	2007-08	2008-09	2009-10	2010-11	Future	Total Funding
Pre-Design Costs							
Design Costs		19,000	24,000		24,000		67,000
Construction Costs			156,585		156,000		312,585
Contingency			3,047				
Total Budget Request		19,000	183,632	0	180,000	TBD	379,585
Revenues:							
FTA 5311(f)			77,869				77,869
FTA 5317*					159,354		159,354
Prop. 1-B Cycle 1 (1)		19,000	21,000				40,000
Prop. 1-B Cycle 1 (2)			84,763				84,763
Prop. 1-B Cycle 2*					20,646	TBD	20,646
Total Revenues		19,000	183,632	0	180,000	TBD	382,632

* Funding is requested and/or uncommitted at this time.

Future / Unfunded Transit Projects

<u>Category</u>	<u>Project</u>
TRAN	Intermodal Transit Facility
TRAN	Park & Ride: Copperopolis
TRAN	Park & Ride: Murphys
TRAN	Park & Ride: Valley Springs

FY 2008 - 2011

IWM

Capital Improvements



Description:

The Phase I cell closure requires the concurrent installation of a methane gas recovery system for compliance with the County's California Integrated Waste Management Board (CIWMB) permit and future State Air Quality Board regulations.

Justification:

Compliance with CIWMB and State Air Quality Board requirements as the regulatory and permitting agencies with oversight responsibilities for landfill closures in California.

CIP FACTS:

- Project Status: Pre Design
- Timeline: FY 2008-2010
- Managing Department: Public Works
- Comprehensive Plan:

IMPACT ANALYSIS:

- Environmental: CEQA
- Design Elements: CIWMB

Consultant Services Scope:

The Project will be designed by consultant services, which will provide all necessary services to evaluate existing conditions and environmental requirements, provide conceptual and final design, and produce construction documents.

Supplemental Information:

Construction of the Phase I cell closure cover system and gas recovery system are scheduled for summer 2009. Closure will include all areas that have reached final fill elevations. Any unused funds will be encumbered for FY 2009-10 to complete construction.

PROJECT FINANCIAL REQUIREMENTS							
	Prior Yr	2007-08	2008-09	2009-10	2010-11	Future	Total Funding
Pre-Design Costs							
Design Costs			64,000				64,000
Construction Costs			835,665				835,665
Other							0
Total Budget Request		0	899,665	0	0	0	899,665
Revenues:							
IWM Fund			899,665				899,665
Source of Funds:							0
Source of Funds:							0
Source of Funds:							
Source of Funds:							
Total Revenues		0	899,665	0	0	0	899,665



**CALAVERAS
COUNTY
PUBLIC WORKS**

**CAPITAL PROJECT:
Phase I Cell Final Closure**

Description:

The County has a regulatory obligation to close the Phase I and Phase IIA cells at the Rock Creek Landfill in 2009 per regulatory permitting requirements, since the cells have reached their permitted fill volume and final elevations.

Justification:

Closure is required by the CIWMB and RWQCB permits for the landfill.

CIP FACTS:

- Project Status: Pre Design
- Timeline: FY 2008-2010
- Managing Department: Public Works
- Comprehensive Plan:

IMPACT ANALYSIS:

- Environmental: CEQA
- Design Elements: CIWMB

Consultant Services Scope:

The Project will be designed by consultant services, which will provide all necessary services to evaluate existing conditions and environmental requirements, provide conceptual and final design, and produce construction documents.

Supplemental Information:

The cells have settled for 5+ years, and can now be closed without excessive settlement effects. The County has previously established a business plan to use its designated closure fund for only the final closure of the last phase at Rock Creek, and to use operating funds (parcel fee income) for partial closure of all preceding phases. Any unused funds will be encumbered for FY 2009-10 to complete const

PROJECT FINANCIAL REQUIREMENTS							
	Prior Yr	2007-08	2008-09	2009-10	2010-11	Future	Total Funding
Pre-Design Costs							
Design Costs			120,000				120,000
Construction Costs			1,676,029				1,676,029
Other							0
Total Budget Request		0	1,796,029	0	0	0	1,796,029
Revenues:							
IWM Fund			1,796,029				1,796,029
Source of Funds:							0
Source of Funds:							0
Source of Funds:							
Source of Funds:							
Total Revenues		0	1,796,029	0	0	0	1,796,029



Description:

Construction of major rehabilitation, modernization, expansion, and/or remodeling of the County's transfer station facilities at Rock Creek, San Andreas, Avery, Red Hill, Wilseyville, and Copperopolis. Improvements may include building facility renovation, diversion areas for recyclables, lighting, solar power, security cameras.

Justification:

The County's transfer stations will require periodic renovation and modernization to maintain the facilities at optimal operating conditions.

CIP FACTS:

- Continuing
- Project Status: On-going
- Timeline:
- Managing Department: Public Works
- Comprehensive Plan:

IMPACT ANALYSIS:

- Environmental: CEQA on case-by-case; CIWMB permitting on case-by-case
- Design Elements: County

Consultant Services Scope:

Each planned project would be preliminarily designed by in-house County staff. Final design and construction engineering would be by either County staff or consultant depending on the complexity of the proposed improvements.

Supplemental Information:

Funding will be programmed annually, similar to the concept of a sinking fund. Unused funds will accrue in a designated reserve and be applied to the cost of future projects that exceed the annual funding allocation. Improvements planned in FY 2008-09 include repair of the concrete flooring in five bins at the Rock Creek TS building, and paving of all-weather pads for wood waste at Red Hill.

PROJECT FINANCIAL REQUIREMENTS							
	Prior Yr	2007-08	2008-09	2009-10	2010-11	Future	Total Funding
Pre-Design Costs							
Design Costs							0
Construction Costs			150,000	150,000	150,000	TBD	450,000
Other							0
Total Budget Request		0	150,000	150,000	150,000		450,000
Revenues:							
IWM Fund			150,000	150,000	150,000	TBD	450,000
Source of Funds:							0
Source of Funds:							0
Source of Funds:							
Source of Funds:							
Total Revenues		0	150,000	150,000	150,000		450,000

**Integrated Waste Management Fund
Prior Year and Projected Capital Expenditures**

Capital Expenditures	FY 2004/05	FY 2005/06	FY 2006/07	FY 2007/08	FY 2008/09	FY 2009/10	FY 2010/11	FY 2011/12	FY 2012/13	FY 2013/14	FY 2014/15
Rock Creek Improvements											
Phase IB Cell Design & Construction		3,440,000									
Surface Water Treatment Design											
Stormwater Treatment											
Equipment Barn											
Gas Collection System					899,665						
Final Closure of Phase I Cell					1,796,029						
Scale House Relocation											
Phase IIIA Cell Design & Construction										400,000	4,000,000
Satellite Improvements											
Resurfacing of Red Hill Road											
Milton Road Improvements for Hwy 4 access											
Resurfacing Milton and Jenny Lind Roads								1,000,000			
Facility Rehabilitation					150,000	150,000	150,000	150,000	150,000	150,000	150,000
Avery TS Improvements											
Copperopolis TS Improvements	450,000										
Red Hill TS Improvements											
San Andreas TS Improvements											
Wiseyville TS Improvements											
Equipment Replacement											
Lift		50,000	42,756								
Truck and Trailer	120,000					120,000					
Chipper/screen			180,000						500,000		
Scraper	600,000										
Landfill Compactor			525,365							500,000	
Earthmoving Dozer							350,000				
High-Track Landfill Dozer						300,000					
Pick-Up Trucks				30,000				30,000			
Loader		200,000	77,195				300,000				
Tarping Machine				84,000							
Water Truck						100,000					
ANNUAL TOTALS	\$1,170,000	\$3,690,000	\$825,316	\$114,000	\$2,845,694	\$670,000	\$800,000	\$1,180,000	\$650,000	\$1,050,000	\$4,150,000

Future / Unfunded IWMF Projects

<u>Category</u>	<u>Project</u>
IWM	Resurfacing of Red Hill Road
IWM	Resurfacing of Milton and Jenny Lind Roads
IWM	Milton Road Improvements for Hwy 4 Access
IWM	Phase IIIA Cell Design and Construction
IWM	Rock Creek Scale House Relocation

FY 2008-09 to FY 2010-11 CAPITAL IMPROVEMENT PLAN -- SUMMARY OF EXISTING AND FUTURE PROJECT FUNDING SOURCES

Cat.	Project	CMAQ	SHOPP	HR3	SR2S	Prop 16: BTA	HBP	HSIP	BID Parking In Lieu	Federal Earmark	HOA	CSA	CUSD	FTA	LTF: Bike/Ped	RSTP	RIM Mitigation Fees	Benefit Basin	HPP	Prop 1B	Transit Prop 1-B	Unfunded Road & Bridge	Tuolumne County	IWM CIP	Unfunded IWM	Totals	
Roads & Bridges																											
Funded																											
R&B	Copper Cove Drive Guardrail							46,242										5,138								51,380	
R&B	Daphne Street Bikepath (BTA)					186,000									164,000	30,000										380,000	
R&B	Jenny Lind Elem. Safe Routes to School				900,000							65,000	65,000		51,535											1,081,535	
R&B	Mt. Ranch Rd Advance Curve Warning			205,920												22,880										228,800	
R&B	Mt. Ranch Rd Turn-Outs			900,000												281,796	182,864									1,364,660	
R&B	O'Byrnes Ferry Rd Lt-Turn Lane (Poker Flat)							807,543			60,000							29,727								897,270	
R&B	Road Rehabilitation Paving																			2,617,500						2,617,500	
R&B	Sealing of Unpaved Roads															216,900			867,600							1,084,500	
R&B	SR12 / SR26 Intersection Signalization Imps	350,000															50,000									2,150,000	
R&B	Hawver Road Bridge (BR#00L038)	1,549,275	0														200,725									800,700	
R&B	O'Byrnes Ferry Bridge Replacement							620,393							180,307											800,700	
R&B	Railroad Flat Br Replacement (#30C0044)							275,000																21,573,367	651,633	32,000,000	
R&B	Railroad Flat Br Replacement (#30C0044)							555,219								71,935										627,154	
R&B	Stagecoach Road Bridge (BR#00L039)							745,500				96,500														842,000	
	Subtotals	1,899,275	0	1,105,920	900,000	186,000	11,696,112	853,785	0	0	60,000	161,500	65,000	0	215,535	803,818	433,589	34,865	867,600	2,617,500	0	21,573,367	651,633	0	0	44,125,499	
Future / Unfunded																											
R&B	West Point Elem. Safe Routes to School				609,290										67,699											676,989	
R&B	O'Byrnes Ferry Bridge Deck Repair							114,750												33,123			58,127			206,000	
R&B	Scour Critical Bridges							182,152												107,038						289,190	
R&B	Scour Counter Measures (various bridges)							1,061,478												432,649						1,494,127	
R&B	Bridge Maint & Repair (various bridges)																			299,690			531,910			831,600	
R&B	Scott's Junction Intx Realignment			290,590												28,410	54,000									373,000	
R&B	Sawyer Road Drainage Improvement																						25,000			25,000	
R&B	Gillam Road Stabilization																						500,000			500,000	
R&B	Way Finding Road Signage Program																						100,000			100,000	
FAC	Arnold Yard Sand Shed																						150,000			150,000	
FAC	Blacktop Sheds (5)																						100,000			100,000	
FAC	San Andreas Yard Restroom																						50,000			50,000	
FAC	San Andreas Yard Equipment Storage Shed																						75,000			75,000	
FAC	San Andreas Yard Fueling Station																						300,000			300,000	
FAC	Glencoe Yard Restroom																						20,000			20,000	
FAC	Security Cameras: Road Yards																						30,000			30,000	
	Subtotals	0	0	290,590	609,290	0	1,358,380	0	0	0	0	0	0	0	67,699	28,410	54,000	0	0	0	872,500	0	1,881,910	58,127	0	0	5,220,906
Transit																											
Funded																											
TRAN	Transit Bus Shelters														77,869											183,632	
	Subtotals	0	0	0	0	0	0	0	0	0	0	0	0	0	237,223	0	0	0	0	0	0	0	0	0	0	0	183,632
Future / Unfunded																											
TRAN	Intermodal Transit Facility	1,125,000								5,350,000																6,475,000	
TRAN	Park & Ride: Copperopolis	198,046													26,955											225,000	
TRAN	Park & Ride: Murphys	434,000							60,000																	494,000	
TRAN	Park & Ride: Valley Springs	198,046													26,955											225,000	
	Subtotals	1,955,091	0	0	0	0	0	0	60,000	5,350,000	0	0	0	0	53,909	0	0	0	0	0	0	0	0	0	0	7,419,000	
Integrated Waste Management																											
Funded																											
Rock Creek Improvements																											
IWM	Gas Recovery System																								899,665	899,665	
IWM	Phase I Cell Final Closure																								1,796,029	1,796,029	
Satellite Improvements																											
IWM	Facility Rehabilitation Improvements																								450,000	450,000	
	Subtotals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,145,694	
Future / Unfunded																											
IWM	Resurfacing of Red Hill Road																								150,000	150,000	
IWM	Resurfacing of Milton and Jenny Lind Rds																								1,000,000	1,000,000	
IWM	Milton Rd Improvements for Hwy 4 Access																								1,000,000	1,000,000	
IWM	Phase IIIA Cell Design and Construction																								4,000,000	4,000,000	
IWM	Rock Creek Scale House Relocation																								120,000	120,000	
	Subtotals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,270,000	
	TOTALS	3,854,366	0	1,396,510	1,509,290	186,000	13,054,492	853,785	60,000	5,350,000	60,000	161,500	65,000	237,223	337,143	832,228	487,589	34,865	867,600	3,490,000	126,409	23,455,277	709,760	3,145,694	6,270,000	66,364,731	

LEGEND: Unsecured funding source