

County of Santa Cruz  
 Bridge Preventative Maintenance Plan *PM 00059*

Revised Feb 2013

Federal Fiscal Year 2012/2013 Bridge Preventative Maintenance Program

Priority (Lowest Number is Top Priority)	County Location	Implementing Agency	Bridge number from Inspection Report	Local Agency Bridge ID	Facility Carried	Feature Intersected	Location	Sufficiency Rating	SD/FO Status	Work Description	Deck Area (ft <sup>2</sup> )	Total Participating Cost	Unit Cost (\$/ft <sup>2</sup> )	Federal Share	Running Fed Summary	Local Share	Running Local Share
1	Santa Cruz	County of Santa Cruz DPW								Develop Next Years' BPMP		\$25,000		22,132.50	\$22,133	\$2,868	\$2,868

FFY Funds Requested  
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**Project No. 1 - Polyester Concrete Overlay**

2	Santa Cruz	County of Santa Cruz DPW	36C0092	36	Mt. Hermon Road	Zayante Creek BOH	0.7 mi. NE of Graham Hill Rd.	76.0	SD	Pave Deck with Polyester Concrete	19,110.00	\$325,000	\$17.01	\$287,723	\$309,855	\$37,278	\$40,145		
3	Santa Cruz	County of Santa Cruz DPW	36C0040	28	Glen Arbor Road	San Lorenzo River	Just E/O SR 9	74.2	SD	Pave Deck with Polyester Concrete	7,830.00	\$150,000	\$19.16	\$132,795	\$442,650	\$17,205	\$57,350		
												\$475,000		\$420,518		\$54,483			
												\$60,000		\$53,118		\$495,768		\$6,882	
												\$50,000		\$44,265		\$540,033		\$5,735	
												<b>\$585,000</b>		<b>\$517,901</b>		<b>\$67,100</b>			

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**Project No. 2 - Methacrylate**

4	Santa Cruz	County of Santa Cruz DPW	36C0116	81	Valencia Road	Valencia Creek	@ Bear Valley Road	67.5	SD	Methacrylate the Entire Deck Surface	4,930.00	\$23,000	\$4.67	\$20,362	\$560,395	\$2,638	\$72,605		
5	Santa Cruz	County of Santa Cruz DPW	36C0084	3	Bear Creek Road	San Lorenzo River	at State Route 9	66.8	FO	Methacrylate the Entire Deck Surface	4,520.00	\$22,000	\$4.87	\$19,477	\$579,872	\$2,523	\$75,129		
6	Santa Cruz	County of Santa Cruz DPW	36C0140	6	Bonny Doon Rd.	Lone Star Equipment Road UC	2.1 Mi. N Highway 2	90.3		Methacrylate the Entire Deck Surface	3,050.00	\$15,000	\$4.92	\$13,280	\$593,151	\$1,721	\$76,849		
7	Santa Cruz	County of Santa Cruz DPW	36C0141	35	Graham Hill Road	Bean Creek	Int. Graham Hill/E Zayante	60.3	FO	Methacrylate the Entire Deck Surface	3,329.00	\$15,000	\$4.51	\$13,280	\$606,431	\$1,721	\$76,849		
												\$75,000		\$66,398		\$8,603			
												\$30,000		\$26,559		\$632,990		\$3,441	
												\$20,000		\$17,706		\$650,696		\$2,294	
												<b>\$125,000</b>		<b>\$110,663</b>		<b>\$14,338</b>			

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**Project No. 3 - Clean and Paint Timber Bridge Rails**

8	Santa Cruz	County of Santa Cruz DPW	36C0037	89	E. Zayante Road	Zayante Creek	6.3 Mi N Graham Hill Road	72.2	FO	Clean and Paint Timber Bridge Rail (Total Rail L=92 ft)	1,432.00	\$20,000	\$13.97	\$17,706	\$668,402	\$2,294	\$84,878		
9	Santa Cruz	County of Santa Cruz DPW	36C0033	88	E. Zayante Road	Zayante Creek	5.5 Mi N Graham Hill Road	65.5	FO	Clean and Paint Timber Bridge Rail (Total Rail L=108 ft)	1,615.00	\$23,000	\$14.24	\$20,362	\$688,763	\$2,638	\$87,516		
10	Santa Cruz	County of Santa Cruz DPW	36C0126	82	Varni Road	Los Corralitos Creek	.3 Mi. W Amesti Road	71.5	FO	Clean and Paint Timber Bridge Rail (Total Rail L=130 ft)	1,812.00	\$25,000	\$13.80	\$22,133	\$710,896	\$2,868	\$90,384		
11	Santa Cruz	County of Santa Cruz DPW	36C0137	23	Eureka Canyon Road	Shingle Mill Gulch	2 Mi. N Rider Road	60.5	FO	Clean and Paint Timber Bridge Rail (Total Rail L=44 ft)	433.00	\$10,000	\$23.09	\$8,853	\$719,749	\$1,147	\$91,531		
12	Santa Cruz	County of Santa Cruz DPW	36C0025	22	Eureka Canyon Road	Corralitos Creek	10' N Rider Road	53.0		Clean and Paint Timber Bridge Rails (Total Rail L=76 ft)	1,136.00	\$17,000	\$14.96	\$15,050	\$734,799	\$1,950	\$93,481		
13	Santa Cruz	County of Santa Cruz DPW	36C0055	50	Lamond Street	San Lorenzo River	0.5 Mi. E Highway 9	71.8	FO	Clean and Paint Timber Bridge Rails (Total Rail L=210 ft)	3,270.00	\$35,000	\$10.70	\$30,986	\$765,785	\$4,015	\$97,495		
14	Santa Cruz	County of Santa Cruz DPW	36C0151	16	Cassery Road	Green Valley Creek	0.4 Mi. N Green Valley Road	80.7		Clean and Paint Timber Bridge Rails (Total Rail L=82 ft)	785.00	\$18,000	\$22.93	\$15,935	\$781,720	\$2,065	\$99,560		
15	Santa Cruz	County of Santa Cruz DPW	36C0152	17	Cassery Road	Green Valley Creek	0.3 Mi. E Robin Meadow Ln	63.9		Clean and Paint Timber Bridge Rails (Total Rail L=60 ft)	753.00	\$12,000	\$15.94	\$10,624	\$792,344	\$1,376	\$100,936		
16	Santa Cruz	County of Santa Cruz DPW	36C0133	30	Glen Arbor Road	Love Creek	0.1 Mi. E Hwy 9	79.4		Clean and Paint Timber Bridge Rails (Total Rail L=98 ft)	1,185.00	\$22,000	\$18.57	\$19,477	\$811,820	\$2,523	\$103,459		
17	Santa Cruz	County of Santa Cruz DPW	36C0038	55	Conference Drive	Zayante Creek	N. Graham Hill Rd.	48.5	SD	Clean and Paint Timber Bridge Rails (Total Rail L=1050 ft) Replace portion timber sidewalk	12,050.00	\$100,000	\$8.30	\$88,530	\$900,350	\$11,470	\$114,929		
18	Santa Cruz	County of Santa Cruz DPW	36C0130	14	Carol Drive	Lompico Creek	East of Lompico Road	69.6	FO	Clean and Paint Timber Bridge Rails (Total Rail L=60 ft)	753.00	\$12,000	\$15.94	\$10,624	\$910,974	\$1,376	\$116,306		
19	Santa Cruz	County of Santa Cruz DPW	36C0032	75	Swanton Road	Scott Creek	4.6 Mi. NW of SR1	59.4		Clean and Paint Timber Bridge Rails (Total Rail L=150 ft)	1,830.00	\$30,000	\$16.39	\$26,559	\$937,533	\$3,441	\$119,747		
												\$324,000		\$286,837		\$37,163			
												\$30,000		\$26,559		\$964,092		\$3,441	
												\$20,000		\$17,706		\$981,798		\$2,294	
												<b>\$374,000</b>		<b>\$331,102</b>		<b>\$42,898</b>			

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**Project No. 4 - Scour Protection Repair**

20	Santa Cruz	County of Santa Cruz DPW	36C-116	81	Valencia Road	Valencia Creek	@ Bear Valley Road	67.5	SD	Repair abutment scour protection	4,930.00	\$35,000	\$7.10	\$30,986	\$1,012,783	\$4,015	\$129,496		
21	Santa Cruz	County of Santa Cruz DPW	36C-113	71	Spreckles Drive	Aptos Creek	Treasure Island Dr.	64.9	FO	Repair abutment scour protection	1,075.00	\$90,000	\$83.72	\$79,677	\$1,092,460	\$10,323	\$139,819		
												\$125,000		\$110,663		\$14,338			
												\$30,000		\$26,559		\$1,119,019		\$3,441	
												\$20,000		\$17,706		\$1,136,725		\$2,294	
												<b>\$175,000</b>		<b>\$154,928</b>		<b>\$20,073</b>			

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**Project No. 5 - Soquel Drive**

22	Santa Cruz	County of Santa Cruz DPW	36C-042	66	Soquel Drive	Rodeo Gulch	0.7 mi. west of Porter Street	62.0	SD	Repair abutment backwall, replace joint seals, polyester concrete overlay	12,000.00	\$285,000	\$23.75	\$252,311	\$1,389,036	\$32,690	\$178,244		
												\$285,000		\$252,311		\$32,690			
												\$70,000		\$61,971		\$1,451,007		\$8,029	
												\$40,000		\$35,412		\$1,486,419		\$4,588	
												<b>\$395,000</b>		<b>\$349,694</b>		<b>\$45,307</b>			

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<b>Total Costs</b>	<b>\$1,679,000</b>	<b>\$1,486,419</b>	<b>\$192,581</b>
FFY 11/12	\$175,000	\$154,928	\$20,073
FFY 12/13	\$964,000	\$853,429	\$110,571
FFY 13/14	\$215,000	\$190,340	\$24,661
FFY 14/15	\$325,000	\$287,723	\$37,278