

Riverside County Preventive Maintenance Plan
Federal Fiscal Year 2011/2012 Bridge Preventive Maintenance Program

PM00076

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 ²)	Unit Cost (\$/ft ²)	Federal Share	Local Share	Total Particip. Cost
1	Blythe	Riverside County	56C0122	S8182	RAGSDALE RD	CHUCKWALLA DITCH	1.6 MI. E/O Eagle Mtn Rd	73.8		1) Supplement deteriorate timber Girder #3 and #5 of Span 1 and Girder #1 of Span 2 with new timber girders. 2) Supplement deteriorated exterior timber columns at Pier 2 with a supplemental support. Backfill erosion behind Wingwall and Approach. Replace deteriorated timber elements including 3 columns, one girder and rehabilitate one bent cap.	1,040	\$270	\$248,143.92	\$32,149.68	\$280,294
2	Blythe	Riverside County	56C0121	S8181	RAGSDALE RD	ROCKDALE DITCH	1.3 MI. E/O Eagle Mtn Rd	84.6		1) Backfill erosion behind the southwest and northwest wingwalls. Backfill erosion behind Wingwall and approach. Rehabilitate 2 bent caps.	1,534	\$57	\$76,763	\$9,945	\$86,708
3	Thermal	Riverside County	56C0582	Not Assigned	HARRISON ST	SOLO DITCH	1.5 MI W/O RTE 86S	90.5		1) Epoxy-inject cracked walls. Remove 3"± existing AC overlay, seal the bridge deck and place a 3" polyester-concrete overlay.	2,263	\$42	\$84,047	\$10,889	\$94,936
4	Thermal	Riverside County	56C0585	Not Assigned	HARRISON ST	LUNDY DITCH	0.7 MI W/O RTE 86S	99.0		1) Epoxy-inject cracked culvert walls. Backfill northwest wingwall erosion and place riprap to protect the new material.	2,841	\$40	\$101,555	\$13,158	\$114,713
5	Thermal	Riverside County	56C0454	M8365	62ND AVENUE	WHITEWATER RIVER	1.25 MI. W/O ST RTE 86S	99.8		1) Backfill erosion at both bridge ends. 2) Clean and seal bridge deck with methacrylate.	18,761	\$10	\$164,485	\$21,311	\$185,796
6	Blythe	Riverside County	56C0123	S8183	RAGSDALE RD	ROCKLEDGE DITCH	1.9 MI. E/O Eagle MT Rd	75.1		1) Supplement timber Girder #8 and #15 of Span 2, #17 of Span 4 with new timber girders. 2) Provide a supplemental column for Column #3 at Abutment 5 and #8 and #6 at the Southeast Wingwall of this Abutment. 3) Replace the deteriorated northwest timber rail. 4) Supplement the bottom planks at Abutment 1. 5) Supplement the timber caps at Pent 3 between Column 1 and 4. 6) Strengthen Columns #1 and #3 of Pier 3 and #6 of Pier 4 with steel collars. Supplement timber caps at Bent 3; strengthen or supplement three columns at bents and one column at Abutment 4; supplement 15 decayed stringers; replace southeast wingwall top brace supplement.	2,028	\$116	\$208,608	\$27,027	\$235,636
7	Thermal	Riverside County	56C0586	Not Assigned	HARRISON ST, CA 86	LOWEN DITCH	0.6 MI SW/O RTE 86S	96	SD	1) Clean and seal bridge deck with methacrylate.	3,337	\$9	\$27,326	\$3,540	\$30,866
8	Thermal	Riverside County	56C0455	S8211	WASHINGTON ST	WASHINGTON ST OH	0.2 MI S/O ROUTE 10 FWY.	93.8		1) Clean and seal bridge deck and approach slabs with methacrylate. 2) Inject cracks at both abutment walls with epoxy. 3) Replace joint seals.	20,948	\$16	\$297,747	\$38,576	\$336,323
9	Sky Valley	Riverside County	56C0448L	M8320	MONTEREY AVE S/B LN	S.P. RR X-ING	0.1 M S/O I-10 FWY	94		1) Clean and seal bridge deck and approach slabs with methacrylate. 2) Inject cracks on abutment walls and slopes with epoxy.	17,599	\$16	\$251,522	\$32,587	\$284,109
10	Thermal	Riverside County	56C0587	Not Assigned	HARRISON ST, CA 86	VICD DITCH	0.7 MI SW/O RTE 86S	69	SD	1) Clean and seal bridge deck with methacrylate.	3,665	\$9	\$29,147	\$3,776	\$32,923
14	El Cerrito	Riverside County	56C0382	Not Assigned	DAWSON CANYON RD	TEMESCAL WASH	0.2MI NE/O Temescal CY Rd	48	SD	1) Clean and seal bridge deck with methacrylate. Repair settled A/C at east approach.	7,270	\$8	\$52,870	\$6,850	\$59,720
12	Sky Valley	Riverside County	56C0448R	M8325	MONTEREY AVE S/B LN	S.P. RR X-ING	0.1 M S/O I-10 FWY	97		1) Clean and seal bridge deck and approach slabs with methacrylate. 2) Inject cracks on abutment walls with epoxy. 3) Replace both abutment joint seals.	20,045	\$18	\$321,734	\$41,684	\$363,418
13	Sky Valley	Riverside County	56C0052	S8163	RAMON RD	S.P. RR X-ING	0.1 MI. W/O Route 10 Fwy	85.7		1) Clean and seal bridge deck with methacrylate. 2) Replace all joint seals. 3) Repave the AC approaches at both ends 10' beyond the bridge deck.	10,792	\$15	\$144,874	\$18,770	\$163,644
14	El Cerrito	Riverside County	56C0155	S8003	CAJALCO RD	TEMESCAL WASH	0.7 MI E/O RTE 15 FWY	77.1		1) Clean and seal bridge deck with methacrylate. 2) Repave the AC approaches at both ends 10' beyond the bridge deck.	7,065	\$11	\$71,886	\$9,314	\$81,199
15	Perris	Riverside County	56C0341	Not Assigned	ALESSANDRO BLVD	RCTC & BNSF RY	100' W/O Route 215 FWY	80.5		1) Clean and seal bridge deck with methacrylate. 2) Fill the 1" gap between the southwest wingwall and the concrete apron with Type A silicon.	15,020	\$9	\$114,162	\$14,791	\$128,953
16	Beaumont	Riverside County	56C0244	S8010	SAN TIMOTEO CANYON RD	SAN TIMOTEO CREEK	0.3 MI. W/O Woodhouse Rd	89		1) Saw-cut and repair the large soffit and deck spall at the south exterior bay of Span 2 and other small soffit spalls in that area. 2) Clean and seal bridge deck with methacrylate.	3,336	\$17	\$49,456	\$6,408	\$55,864
17	Murrieta	Riverside County	56C0526	M8395	WILLOWS AVE	TUCALOCA CREEK	0.1 MI. S/O ROUTE 79 HWY	96.3		1) Clean and seal bridge deck with methacrylate. 2) Inject cracks on the pier walls and abutment walls with epoxy.	8,933	\$14	\$111,781	\$14,482	\$126,264
18	Perris	Riverside County	56C0196	Not Assigned	CAJALCO ROAD	RAMONA EXPRESSWAY OH	0.1 MI. W/O RTE 215 Fwy	97.2		1) Clean and seal bridge deck with methacrylate. 2) Inject cracks on the pier walls with epoxy.	10,469	\$25	\$234,539	\$30,387	\$264,926

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19	Thermal	Riverside County	56C0578	Not Assigned	RTE 111	WHITEWATER RIVER	On Route 111	85.3	SD	1) Clean and seal bridge deck with methacrylate and place 1" polyester concrete overlay. Grind the approach AC to provide a transition between the existing AC approach and the newly raised deck. 2) Replace joint seal at the hinge. 3) Inject large cracks on the middle of the pier walls with epoxy.	19,387	\$60	\$1,025,080	\$132,810	\$1,157,890
20	Hemet	Riverside County	56C0522	M8437	STATE ST	SAN JACINTO RIVER	1.4 MI. N/O RAMONA EXPWY	83.3		1) Clean and seal bridge deck with methacrylate and place 1" of polyester concrete overlay. Grind the approach slab and AC to provide a transition between the existing approach and the newly raised deck. Clean and paint column steel shell	36,878	\$40	\$1,299,977	\$168,426	\$1,468,403
21	Perris	Riverside County	56C0451	Not Assigned	STRATTA RD	OLEANDER AVE OH	100' W/O RTE 215 FWY	99.5		1) Clean and seal bridge deck with methacrylate. Inject crack with epoxy. Reconstruct the depressed AC approach at abutment 1 to be leveled with the bridge deck.	10,912	\$8	\$73,207	\$9,485	\$82,692
22	Thermal	Riverside County	56C0584	Not Assigned	HARRISON ST, CA 86	ALMAR DITCH	1.3 MI NW/O RTE 86S	99		1) Repair the concrete spall 16" x 8" x 6" with rebar exposed at the southeast end of the wingwall. 2) Inject cracks on the pier walls with epoxy. Remove 4"± existing AC overlay, seal the bridge deck and place a 4" polyester concrete overlay.	4,060	\$63	\$225,872	\$29,264	\$255,136
											Total Cost =	\$ 5,830,693			
Notes: Work that has been added to the original scope or work description is printed in blue while the work that has been removed or modified is struck out in red.															
											Cost Breakdown				
											Subtotal Construction Cost =		\$ 2,896,910		
											PE =		\$ 1,162,214		
											(Construc		\$ 4,668,479		
											Total Participating Cost=		\$ 5,830,693		

Project Prioritization

Local Agencies must develop objective procedures to prioritize their preventive maintenance projects. These procedures must be included in the project files for review in future audits. High priority projects should include the repair of scour countermeasure, embankment erosion control and the repair, restoration, and strengthening of structural elements.

Priority should be given to bridges that are not eligible for rehabilitation or replacement under the Federal Highway Bridge Program. The intent of the program is to keep these bridges in structurally good condition to maximize their service life and to conserve limited funds available for bridges that do require major rehabilitation or replacement. (Bridges eligible for rehabilitation or replacement are rated SD or FO and have a sufficiency rating of 80 or less.)

Deadlines:

Local agency transmits the BPMP with cover letter certifying compliance with these program guidelines. The electronic copy (any spreadsheet format) should be included on a CD with the paper transmittal letter. The DLAE's must receive the BPMPs by September 30th for funds to be obligated in the next FFY year, and January 30th of each year for adjustments. No time extensions will be granted.

Accountability:

Local Agencies are responsible for understanding and complying with the program requirements defined in the "Bridge Preventive Maintenance Program Guidelines For Local Agencies."