

Contra Costa County Public Works
Federal Fiscal Year 2024/2025 Bridge Preventive Maintenance Program
(2024/2025)

Priority (Lowest Number Is Top Priority)	Agency Location	Bridge Number from Inspection Report	Facility Carried	Feature Intersected	Location	Sufficiency Rating	Paint Condition Index (PCI)	Work Description	Deck Area (ft ²)	Unit Cost (\$/ft ²)	Federal Share	Local Share	Total Particip. Cost	Breakdown of CON Costs	Calculated CON Cost ¹	PE Requested ² or Spent ⁵	R/W Requested ³	CE Requested ⁴	CON + CE	
1	Contra Costa County	28C-0480	Contra Costa Canal Bridge on Pomo Street	Contra Costa Canal	0.05 mile south of Riverside Dr.	88.9		(1) Clean and repaint all areas where epoxy paint is failing on metal deck arch exterior including providing lead compliance plan; (Includes 100% containment system to prevent discharge into the waterway, lead compliance plan, construction area signs and traffic control.)	2425	\$50	\$107,284	\$13,900	\$121,184	\$43,280	\$86,560	\$21,640			\$12,984	\$99,544
								(2) Clean corroded interior bolts and repaint with the specified coating system (Includes 100% containment system to prevent discharge into the waterway, lead compliance plan, construction area signs and traffic control.)						\$43,280						
2	Contra Costa County	28C-0382	San Pablo Creek Bridge on La Honda Road	San Pablo Creek	0.1 mile north of San Pablo Dam Rd.	69.4		(1) Replace rotten diagonal timber bracings at Bents 2 & 3; (Includes Construction areas signs & Traffic Control.)	1657	\$21	\$31,227	\$4,046	\$35,273	\$12,077	\$25,195	\$6,299			\$3,779	\$28,974
								(2) Stengthen existing timber cap beam at Bent 2 by installing steel bracket to support cap beam overhang. (Includes Construction areas signs & Traffic Control.)						\$13,117						
								(3) Resurface settled AC approach pavement at both abutments.						\$0						
3	Contra Costa County	28C-0227	Bear Creek Bridge on Bear Creek Road	Bear Creek	0.4 mile north of Happy Valley Road	62.1		(1) Replace pourable joint seals at both piers. (includes traffic control & construction area signs)	3751	\$11	\$35,323	\$4,576	\$39,899	\$28,500	\$28,500	\$7,125			\$4,275	\$32,775
								(2) Fill in the erosion gully in the embankment below Abutment 1 and reinforce the Span 1 slope as necessary.						\$0						
4	Contra Costa County	28C-0082	Rock Slough Bridge on Delta Road	Rock Slough	3 miles east of Knightsen	92.2 (per 7.21.2020 BIR per 5.4.2020 UWI test with 8% CISS section loss) (Was 81.9 per 7.16.2018 BIR)		(1) Replace joint seals at abutments and bents; (includes traffic control & construction area signs)	5174	\$22	\$99,306	\$12,866	\$112,173	\$80,123	\$80,123	\$20,031			\$12,019	\$92,142
								(2) Patch potholes and seal cracks in deck AC overlay.						\$0						
								(3) Replace damaged HMA over longitudinal joints, sawcut a joint into the new HMA, fill joint with crack sealant.						\$0						
5	Contra Costa County	28C-0144	Marsh Creek Bridge on Marsh Creek Road	Marsh Creek	6.8 miles east of Morgan Territory Road	90.9		(1) Replace joint seals at abutments; (Includes traffic control & construction area signs)	3297	\$50	\$145,046	\$18,792	\$163,838	\$43,962	\$117,027	\$29,257			\$17,554	\$134,581
								(2) Patch pothole in AC approach roadway near Abutment 3.						\$0						
								(3) Clean and treat the bridge deck with methacrylate (Includes traffic control & construction area signs)						\$73,065						
								(4) Remove and replace AC approach adjacent to Abutment 3						\$0						
6	Contra Costa County	28C-0230	Unimin/Frisk Creek Bridge on Vasco Road	Unimin/Frisk Creek	3.4 miles south of Walnut Blvd.	83.9		(1) Replace joint seals at abutments; (includes traffic control & construction area signs)	8284	\$13	\$96,199	\$12,464	\$108,662	\$77,616	\$77,616	\$19,404			\$11,642	\$89,258
								(2) Patch edge spalls in deck and approach slabs along the joints at abutments.						\$0						
7	Contra Costa County	28C-0077	Contra Costa Canal Bridge on Bailey Road	Contra Costa Canal	At SR 4	95.5		(1) Replace Abutment 1 & 2 joint seals in northbound and southbound lanes. (Includes traffic control & construction area signs)	4645	\$23	\$94,320	\$12,220	\$106,540	\$76,100	\$76,100	\$19,025			\$11,415	\$87,515
Removed from BPMP	Contra Costa County	28C-0175	Kellogg Creek Bridge on Hoffman Lane	Kellogg Creek	1.0 mile south of Marsh Creek Rd	51.1		(1) Replace broken timber block braces between girders at 2 location; (Includes traffic control & construction area signs)					\$10,000			\$10,000				
								(2) Place a shim between Girder 10 and the Abutment 2 timber sill plate;												
								(3) Replace damaged horizontal bolt connection between timber curb and metal beam bridge rail at Abutment 2 (Includes traffic control & construction area signs)												
								(4) Replace the timber spacer block for the bridge rail at Abutment 2 (Includes traffic control & construction area signs)												
								(5) Tighten all railing hardware where needed (Includes traffic control & construction area signs)												
Removed from BPMP	Contra Costa County	28C-0329	San Pablo Creek Bridge on Appian Way	San Pablo Creek	At San Pablo Dam Rd.	70.5		(1) Clean and paint steel columns 3 through 5 at Bent 2 near ground level (including providing lead compliance plan, traffic control & construction area signs);					\$10,000		\$10,000	\$10,000				
								(2) Install concrete jacket encasement around painted area to prevent further corrosion;												
								(3) Replace abutment joint seals;												
								(4) Place erosion protection on the right/widened Abutment 1 embankment per 2018 BIR work recommendation and County 9-12-2019 field review work recommendation.												

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								(5) Resurface the AC approach pavement in the southbound lanes adjacent to Abutment 4 to conform to existing bridge deck.												
Removed from BPMP	Contra Costa County	28C-0402	Delta-Mendota Canal (@ CPM 0.33) Bridge on Lindemann Road	Delta-Mendota Canal	100 feet south of Herdlyn Road	28.0		(1) Replace joint seals at Bents 2, 4, 6, and 11; (2) Replace any rotten or broken timber blockings between timber girders; (3) Chip out and patch unsound concrete on deck surface at all spans and along Bent 11 joint.					\$1,000			\$1,000				
Removed from BPMP	Contra Costa County	28C-0043	Eckley Slide Bridge on Carquinez Scenic Drive	Eckley Slide	2.1 miles East of I-80 in Crocket	48.9		(1) Clean and paint exposed rebars on the soffit and right side of Abutment 1 with rust inhibitor paint; (2) Replace the missing timber spacer block for the second post on the left approach metal beam guardrail near Abutment 3 per 2016 - 2018 BIR work recommendation.					\$1,000			\$1,000				
Removed from BPMP	Contra Costa County	28C-0171	Nichols Road Overhead Bridge on Nichols Road	UPRR/BNSF/AMT RAK	0.3 mile north of Port Chicago HY	79.2		New approach slabs to protect both Abutment 1 and Abutment 4.					\$1,000			\$1,000				
Removed from BPMP	Contra Costa County	28C-0251	Kellogg Creek Bridge on Newport Drive	Kellogg Creek	0.6 mile north of SR 4	80.2		Remove all delaminated concrete from bridge rails and paint exposed rebars with a rust inhibitor paint to prevent further corrosion.					\$1,000			\$1,000				
Removed from BPMP	Contra Costa County	28C-0250	Frisk Creek Bridge on Clipper Drive	Frisk Creek	0.1 mile east of Newport Drive	85.6		Remove all delaminated concrete from bridge rails and paint exposed rebars with a rust inhibitor paint to prevent further corrosion.					\$1,000			\$1,000				
Removed from BPMP	Contra Costa County	28C-0207	Del Monte Drive Overhead Bridge on Del Monte Drive	BNSF RW		47.8	41.3 < 65	This bridge is being programed under HBP for future replacement to address all deficiencies and it is no longer BPMP eligible.					\$1,000			\$1,000				
Removed from BPMP	Contra Costa County	28C-0389	Las Trampas Creek Bridge on Freeman Road	Las Trampas Creek		68.7	51.2 < 65	This bridge is being programmed under HBP for cleaning and painting all structural steel members due to PCI <65 and it is no longer BPMP eligible.					\$1,000			\$1,000				
Removed from BPMP	Contra Costa County	28C-0495	Briones Valley Creek Bridge on Briones Valley Road	Briones Valley Creek		45.2	51.3 < 65	This bridge is being programmed under HBP for cleaning and painting all structural steel members due to PCI <65 and it is no longer BPMP eligible.					\$1,000			\$1,000				
Removed from BPMP	Contra Costa County	28C-0398	Marsh Creek Bridge on Concord Avenue	Marsh Creek		72.2	N/A	Based on 7/19/2018 BIR, "the current 0.5" separation between wingwall and Abutment 2 has not changed since 2012", no BPMP repair is needed at this time.					\$1,000			\$1,000				
Removed from BPMP	Contra Costa County	28C-0150	Peyton Slough Bridge on Waterfront Road	Peyton Slough		53.7	N/A	Based on 2018 BIR, no BPMP work is needed at this time.					\$1,000			\$1,000				
Removed from BPMP	Contra Costa County	28C-0122	Kellogg Creek Bridge on Byron Hwy	Kellogg Creek		59.5	N/A	Per 7-18-2019 field review, the subject timber wingwall was recently restored by third party. No BPMP work is needed at this time.					\$1,000			\$1,000				
Removed from BPMP	Contra Costa County	28C-0396	Contra Costa Canal Bridge on Golf Club Road	Contra Costa Canal		74.0	N/A	No BPMP work is needed per 2018 BIR recommendation.					\$250			\$250				
Removed from BPMP	Contra Costa County	28C-0059	Garrity Creek Bridge on San Pablo Avenue	Garrity Creek		78.3	N/A	No BPMP work is needed per 2018 BIR recommendation.					\$250			\$250				
Notes:										Grand Total =	\$ 608,706	\$ 78,864	\$ 719,070	\$ 491,121	\$ 491,121	\$154,280	\$ -	\$ 73,668	\$ 564,789	
										Adjusted Grand Total =	\$ 675,298	\$ 87,492	\$ 762,789	\$ 491,121	\$ 491,121	\$ 198,000	\$ -	\$ 73,668	\$ 564,789	
1) 10% Mobilization and 25% Contingency are included in costs.																				
2) Indicates non-eligible work item. Costs indicated are non-participating and not included in funding request totals																				
3) R/W costs shown are to obtain required outside agency encroachment permits																				
4) CE cost is assumed as 15% of CON.																				
5) PE expenditure up to when the bridge was determined not BPMP eligible.																				
6) Alternate PE Funding Breakdown:																				
1. Consultant Costs:																				
Task Order No. 3 with MGE Engineerign Inc. for design services, signed 3/15/21																				
2. County Oversight of Consultant (15%)																				
Total:																				
Rounded Total:																				
Explanation for removal of individual bridges from BPMP																				
Bridge:	Caltrans Comment:										County Action:									
28C-0043	Per 3/15/20 email from Robert Zeffoff in response to the 9.30.2019 BPMP plan, the work description for this bridge is not eligible as it is considered routine maintenance.										Noted and removed item from BPMP.									
28C-0171	Per 3/15/20 email from Robert Zeffoff in response to the 9.30.2019 BPMP plan, the work description for this bridge is not eligible as it is considered routine maintenance.										Noted and removed item from BPMP.									
28C-0251	Per 3/15/20 email from Robert Zeffoff in response to the 9.30.2019 BPMP plan, the work description for this bridge is not eligible as it is considered routine maintenance.										Noted and removed item from BPMP.									
28C-0250	Per 3/15/20 email from Robert Zeffoff in response to the 9.30.2019 BPMP plan, the work description for this bridge is not eligible as it is considered routine maintenance.										Noted and removed item from BPMP.									
28C0402:	Per the February 11, 2021 BIR the Bridge Sufficiency rating dropped to 28.0 and the condition of the Substructure is 4. Based on these ratings, it is our understanding that the bridge is no longer considered to be in fair to good condition and therefore no longer eligible for BPMP funding.										The bridge has been removed from the list.									

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28C-0329								Following a meeting with Caltrans D4 Cultural, it was determined that the time and cost to prepare the Cultural studies required to perform the work on Bridge 28C-0329 exceeds the value of the repairs and has therefore been removed from the BPMP plan.												
28C-0175								In the process of repairing the bridge due to multiple vehicle strikes, the work items for this bridge were completed by County forces.												
Other:																				
"Develop Future year BPMP" removed from list per email from Karen Nguyen dates 9/15/22																				