

Contra Costa County Public Works
Federal Fiscal Year 2019/2020 Bridge Preventive Maintenance Program
(2019/2020)

Priority (Lowest Number Is Top Priority)	Agency Location	Bridge Number from Inspection Report	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	Breakdown of CON Costs	Calculated CON Cost ¹	PE Requested ²	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) Blast clean and repaint all areas where epoxy paint is failing on metal deck arch exposed surface including providing lead compliance plan.	2425	\$30	\$63,542	\$8,233	\$71,775	\$49,500	\$49,500	\$12,375	\$2,475	\$7,425	\$56,925
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; (2) Strengthen existing timber cap beam at Bent 2 by installing timber bracket to support cap beam overhang; (3) Resurface settled AC approach pavement at both abutments.	1657	\$84	\$122,849	\$15,916	\$138,765	\$21,450 \$41,250 \$33,000	\$95,700	\$23,925	\$4,785	\$14,355	\$110,055
3	Contra Costa County	28C-0329	San Pablo Creek Bridge on Appian Way	San Pablo Creek	At San Pablo Dam Rd.	70.5		(1) Blast clean and paint steel columns 1 to 5 at Bent 2 near ground level (including providing lead compliance plan/rust removal/corrosion inhibitor); (2) Install concrete jacket encasement around painted area of columns at grade level to prevent further corrosion; (3) Replace abutment joint seals; (4) Place erosion protection on the right/widened Abutment 1 embankment; (5) Repave AC approaches without overlapping onto abutment back walls.	7605	\$56	\$375,334	\$48,629	\$423,963	\$41,250 \$50,926 \$17,875 \$152,545 \$29,792	\$292,388	\$73,097	\$14,619	\$43,858	\$336,246
4	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. (2) Fill in the erosion gully in the embankment below Abutment 1 and reinforce the Span 1 slope as necessary.	3751	\$25	\$82,958	\$10,748	\$93,706	\$9,625 \$55,000	\$64,625	\$16,156	\$3,231	\$9,694	\$74,319
5	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; (2) Place a shim between Girder 10 and Abutment 2 timber sill plate; (3) Replace damaged bolt connection between timber post and metal beam bridge rail.	477	\$17	\$7,060	\$915	\$7,975	\$1,375 \$2,750 \$1,375	\$5,500	\$1,375	\$275	\$825	\$6,325
6	Contra Costa County	28C-0402	Delta-Mendota Canal (@ CPM 0.33) Bridge on Lindemann Road	Delta-Mendota Canal	100 feet south of Herdlyn Road	74.2		(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.	7540	\$10	\$67,814	\$8,786	\$76,600	\$13,090 \$13,750 \$25,988	\$52,828	\$13,207	\$2,641	\$7,924	\$60,752
7	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.	710	\$11	\$7,060	\$915	\$7,975	\$2,750 \$2,750	\$5,500	\$1,375	\$275	\$825	\$6,325
8	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		Resurface settled (by 1" to 2") AC approach pavement at both abutments.	2562	\$25	\$55,776	\$7,226	\$63,003	\$43,450	\$43,450	\$10,863	\$2,173	\$6,518	\$49,968
9	Contra Costa County	28C-0082	Rock Slough Bridge on Delta Road	Rock Slough	3 miles east of Knightsen	81.9		(1) Replace joint seals at abutments and bents; (2) Patch potholes and seal cracks in AC overlay.	5174	\$12	\$56,482	\$7,318	\$63,800	\$16,500 \$27,500	\$44,000	\$11,000	\$2,200	\$6,600	\$50,600
10	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; (2) Patch pothole in AC approach roadway near Abutment 3.	3297	\$6	\$16,592	\$2,150	\$18,741	\$11,550 \$1,375	\$12,925	\$3,231	\$646	\$1,939	\$14,864
11	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; (2) Patch edge spalls in deck and approach slabs along the joints at abutments.	8284	\$2	\$17,156	\$2,223	\$19,379	\$11,990 \$1,375	\$13,365	\$3,341	\$668	\$2,005	\$15,370
12	Contra Costa County	28C-0077	Contra Costa Canal Bridge on Bailey Road	Contra Costa Canal	At SR 4	95.5		(1) Replace Abutment 1 joint seal.	4645	\$3	\$11,826	\$1,532	\$13,358	\$9,213	\$9,213	\$2,303	\$461	\$1,382	\$10,594
13	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.	4645	\$4	\$18,067	\$2,341	\$20,408	\$14,075	\$14,075	\$3,519	\$704	\$2,111	\$16,186
14	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.	4645	\$6	\$23,638	\$3,063	\$26,700	\$18,414	\$18,414	\$4,604	\$921	\$2,762	\$21,176
Notes:									Grand Total =		\$ 926,155	\$ 119,993	\$ 1,046,148	\$ 721,482	\$ 721,482	\$ 180,370	\$ 36,074	\$ 108,222	\$ 829,704
1) 10% Mobilization and 25% Contingency are included in costs.																			
2) PE is taken as 25% of CON.																			
3) R/W cost is assumed as 5% of CON to account for TCEs, Mitigation, etc.																			

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PM00159

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4) CE cost is assumed as 1.5% of CON.																			