

Final Bridge Preventative Maintenance Priority List

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 Particip. Cost (see notes)	Unit Cost (\$/ft <sup>2</sup> )	Federal Share	Running Fed Summary	Local Share	Running Local Share
1			Develop next year's BPMP								1	\$100,000	\$100,000	\$88,530	\$88,530	\$11,470	\$11,470
2	San Diego	County of San Diego	57C-0002	F47-B1	Los Terrinetos Rd	Sweetwater River	0.1 mi w/o SR79	68.3		Columns: Clean and patch spalls on south side of south-west column Columns: Seal cracks at base of columns and spandrel columns Arch: Clean and patch spalls at spring line and crown Arch: Clean out spring line joints and refill with mastic material Beams: Seal full height vertical crack in arch cross beam Girder: Seal large diagonal cracks and spalling in the flared girder Railing: Clean and patch small spalls along length of railing Deck: Repair large spalls in AC overlay Joint: Repair damaged joint seal (Type A)	3,312	\$225,000	\$67.93	\$199,193	\$287,723	\$25,808	\$37,278
3	San Diego	County of San Diego	57C-0227	J42-B2	Old Highway 80	Boundary Creek	2 mi w/o Carrizo Gorge Rd	73.5		Approaches: Remove damaged AC overly and replace Railing: Patch minor cracks and spalls through-out Deck: Clean and place concrete overlay Diaphragm: At SW most diaphragm repair spall Slopes: Removal of concrete slope protection for the following item Slopes: West abutment - Replace highly damaged concrete slope protection with grouted rock slope protection Scour: Bent 4 - Grout loose rip-rap at upstream edge. Ad additional rock and grout as required	5,376	\$145,000	\$26.97	\$128,369	\$416,091	\$16,632	\$53,909
4	San Diego	County of San Diego	57C-0358	440-6504-B1	Sycamore Drive	San Marcos Creek N Fork	0.19 mi e/o Twin Oaks Valley Rd	75.1		Approach: Repair settlement in AC at South approach Abutment Backfill: Grout backfill behind Southwest wingwall & approach Railing: Clean & Paint TMBR Railing Railing: Install connection angles on West posts Culvert Floor: Remove & Replace rotted wood beneath pier wall main posts on west side of culvert Culvert Timber: Inspection of culvert timbers by a pest control specialist for termites and other pests Culvert Timber: Treat culvert timbers for termites and other pests	912	\$160,000	\$175.44	\$141,648	\$557,739	\$18,352	\$72,261

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5	San Diego	County of San Diego	57C-0335	J42-B8	Old Highway 80	Pine Valley Creek	s/o Pine Valley Creek Rd	72.9		Approaches, North end: Patch spalling and cracks in AC Approaches, South end: Seal minor transverse and longitudinal cracks and cracks along shoulder joint Joint, Center interior: Repair edge of joint spalls where steel armor is missing Railing: Clean and patch spalling lower concrete curb Railing: Seal weathered surfaces with minor cracks and spalling of church windows for length of railing Deck: Patch minor cracked and spalled areas through-out deck Deck: Clean deck and seal entire surface with methacrylate Pier, southern: Seal and repair extensive cracking and spalling Pier, center: Patch minor 4" square spall about 3 ft above creek bed Pier, center: Seal vertical cracks propagating through drain pipes Pier, southern: Repair several locations of horizontal spalls w/ exposed rebar Scour: Bolster scour protection at front edge of center pier with additional large rock	9,317	\$203,856	\$21.88	\$180,474	\$738,213	\$23,382	\$95,643
6	San Diego	County of San Diego	57C-0574	270-590-B1	Riverford Road	San Diego River	0.1 mi n/o SR67	96.2		Barrier: Along Eastern barrier, Clean exposed rebar, remove unsound concrete & patch spalls Sidewalk: Seal Crack in Sidewalk near South Pier Deck: Clean deck surface and seal with methacrylate Approach: Remove unsound AC at North approach and replace Slopes: Fill eroded slope at South abutment Slopes: Replace missing Rip-Rap on South abutment slope Slopes: Grout Rip-Rap at South abutment	19,736	\$320,000	\$16.21	\$283,296	\$1,021,509	\$36,704	\$132,347
7	San Diego	County of San Diego	57C-0120	E28-B1	Willows Road	Viejas Creek	0.9 mi ne/o I-8	74.4		Approaches: Patch concrete edge spalls both edges of open joint Bearings: Paint steel rocker and slide plate bearings Deck: Clean, patch light spalls, and seal entire surface with methacrylate Deck Overhang: Clean and patch large 6" x 6" spalls Diaphragms: Seal cracks in concrete build-up over steel diaphragm Girders & Diaphragms: Spot blast clean and paint Work Area monitoring (for above) Slopes: Place & grout rock slope protection around existing concrete steps	15,276	\$415,000	\$27.17	\$367,400	\$1,388,908	\$47,601	\$179,948
8	San Diego	County of San Diego	57C-0363	C6-B2	Mesa Grande Rd	Santa Ysabel Creek N Fk	0.1 mi w/o SR79	80		Approach: Seal AC crack at settled area & at Eastern edge of bridge Decking: Inspection of timber decking by a pest control specialist for termites and other pests Decking: Treat timber decking for termites and other pests Girders: Clean & apply touch-up paint to peeling & flaking areas on beams Work Area monitoring (for above) Slopes: Grout rock slope protection at SE & NE corner of bridge Slopes: Repair erosion at NE corner of bridge with rock	1,125	\$235,000	\$208.89	\$208,046	\$1,596,954	\$26,955	\$206,902

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9	San Diego	County of San Diego	57C-0344	F16-B1	Lawson Valley Rd	Lawson Creek	200' e/o Sloane Cyn Rd, Near MP 3.5, 3.4 mi e/o Skyline Truck Trail	40.9		Railing: Some posts slightly loose (tighten anchor bolts) Railing: Seal heavily checked posts Railing: Paint or seal kick plate (4" x 8" timber, not PT) Deck: Repair large, approximately 3ft x 3ft at one side, highly cracked, area at north-west section of deck Deck: Seal several transverse AC cracks Decking: Replace timber deck boards, which have evidence of decay and/or termite damage, with pressure treated (PT) boards Decking: Treat remaining (original) decking to prevent future decay and termites	564	\$56,979	\$100.99	\$50,443	\$1,647,397	\$6,535	\$213,438
10	San Diego	County of San Diego	57C-0375	F20B-B1	Honey Springs Rd	Dulzura Creek Tributary	2.6 mi e/o SR94	99.7		Approaches: Patch spalled AC and build up to compensate for backfill settlement of about 1/2" at both abutments Joints: Patch spalled concrete edge of bridge joint Deck: Clean deck and seal entire surface with methacrylate Slopes: Repair slope protection	3,456	\$98,439	\$28.48	\$87,148	\$1,734,545	\$11,291	\$224,729
11	San Diego	County of San Diego	57C-0371	E11-B1	Riverside Drive	Sweetwater River	0.25 mi s/o Viejas Blvd	65.6		Approach: Patch spalled AC and build up to compensate for backfill settlement of about 1/2" Railing: Repair damage at SE corner from vehicle impact Deck: Clean deck and seal entire surface with methacrylate Girders (slab): Patch large spall at south soffit edge at west corner of center joint Abutment: Fill gap between bottom of abutment diaphragms and soil (void in slope fill) with flowable (low strength concrete) backfill material	4,913	\$117,305	\$23.88	\$103,850	\$1,838,395	\$13,455	\$238,184
12	San Diego	County of San Diego	57C-0158	B8-1-B1	Little Gopher Cyn Rd	Gopher Canyon Creek	300' n/o Gopher Cyn Rd (Previously Ormsby St)	72.7		Railing: Clean & paint timber railing Approach: Repair settlement at South approach w/AC	1,093	\$38,331	\$35.05	\$33,934	\$1,872,329	\$4,397	\$242,580
13	San Diego	County of San Diego	57C-0553	F12-B1	Steel Cyn Rd	Sweetwater River	0.2 mi s/o Willow Glen	89.2	SD	Approaches: Seal transverse cracks and spalling in AC at both abutments Railing: Repair concrete spalls with exposed and rusted vertical bars at base Railing: Clean and paint metal pipe railing at localized areas of rusting where galvanizing has worn off Deck: Clean deck, patch light spalls, and seal entire surface with methacrylate Girders: Repair transverse soffit crack where initiation of delamination and spalling has begun	19,800	\$169,561	\$8.56	\$150,112	\$2,022,442	\$19,449	\$262,029
14	San Diego	County of San Diego	57C-0258	F8-1-B3	Japatul Road	Sweetwater River	e/o Tavern Rd	98.2		Approaches: Patch spalled AC and build up to compensate for backfill settlement of about 1/2" Abutment Fill: Fill holes in east and west abutment backfills Joints: Repair pourable type A seal at north ends of both joints Deck: Clean deck and place concrete overlay	13,395	\$258,553	\$19.30	\$228,897	\$2,251,339	\$29,656	\$291,685

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15	San Diego	County of San Diego	57C-0144	C2-B1	Lake Wohlford Rd	Escondido Creek	2 mi e/o Valley Center Rd	78.2		Approach: Remove & replace North approach AC Railing: Clean & paint steel railing Deck: Clean deck surface & seal with methacrylate	6,356	\$250,000	\$39.33	\$221,325	\$2,472,664	\$28,675	\$320,360
16	San Diego	County of San Diego	57C-0396	A31-B1	Via De Santa Fe	San Digueto River	0.7 mi s/o Via De La Valle and 0.1 mi s/o Calzado del Bosque	79		Joints: Remove & replace pourable abutment joint seals Deck: Clean & seal cracks over the piers with methacrylate	19,440	\$37,316	\$1.92	\$33,036	\$2,505,700	\$4,280	\$324,640
17	San Diego	County of San Diego	57C-0511	515-330-B1	Lawrence Welk Dr	Moosa Creek S Fork	0.15 mi e/o I-15	77		Approach: Remove unsound AC along southern edge of bridge & approach and in transverse & longitudinal cracks, and replace Sidewalk: Seal sidewalk crack Deck: Seal AC cracks Soffit: Remove unsound concrete on soffit & repair Pier Walls: Seal pier wall cracks	8,148	\$140,281	\$17.22	\$124,191	\$2,629,890	\$16,090	\$340,730
18	San Diego	County of San Diego	57C-0057	B33-B2	Old River Road	Moosa Canyon Creek	0.3 mi s/o Camino del Rey	95.8	SD	Approach: Remove approach AC, re-compact fill & place new AC approach Deck: Repair rebar spall at Southwest corner of bridge deck Deck: Clean deck surface and seal with methacrylate	7,497	\$99,567	\$13.28	\$88,147	\$2,718,037	\$11,420	\$352,151
19	San Diego	County of San Diego	57C-0440	E2-B2	Willow Road	San Vicente Creek	0.2 mi ne/o SR67	98.5		Joints: Remove & replace damaged joint seals Deck: Clean deck surface and seal with methacrylate	10,028	\$88,799	\$8.86	\$78,614	\$2,796,651	\$10,185	\$362,336
20	San Diego	County of San Diego	57C-0385	190-390-B1	Noakes Street East	Harbison Canyon Creek	0.03 mi se/o Harbison Canyon Rd	77.6		Pier walls: Patch worn and spalled upstream edge and downstream edges Scour: Place additional rock scour protection throughout bottom of channel both sides of pier wall to protect pierwall and abutment footings	499	\$44,723	\$89.61	\$39,593	\$2,836,245	\$5,130	\$367,466
21	San Diego	County of San Diego	57C-0270	F53-B2	Buckman Springs Rd	Cottonwood Creek	3.5 mi s/o I-8	54.9		Approaches: Fill and patch areas of AC spalls and seal cracks in AC at both abutments Railing: Paint highly weathered timber railing Deck: Clean, patch spalls, and seal entire surface with methacrylate Abutments: Fill gap between bottom of abutment diaphragm and soil	12,095	\$230,575	\$19.06	\$204,128	\$3,040,373	\$26,447	\$393,912
22	San Diego	County of San Diego	57C-0226	J42-B1	Old Highway 80	SD & AE Railroad	2.65 mi w/o Carrizo Gorge Rd	89.7		Approaches: Fill and patch spalls and seal cracks in AC Joints: Repair damaged joint seal (Type A) at abutment joint Joints: Patch concrete edge spalls both edges of open joint Railing: Clean and patch small spalls along length of railing Deck: Clean, patch spalls, and seal entire surface with methacrylate Abutment: Seal crack at connection to deck overhang Slope: Rock bolt installation, including geotechnical report & structural design, and grouting adjacent rock joints	3,187	\$165,000	\$51.77	\$146,075	\$3,186,447	\$18,926	\$412,838

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23	San Diego	County of San Diego	57C-0376	108-682-B1	Mount Helix Dr	MHD Overcrossing	0.4 mi s/o Fuerte Dr	79.5		Approaches: Seal transverse cracks in AC Joints: Replace pourable joint seal (Type A) Railing: Tighten loose anchor bolts for posts Railing: Seal heavily checked posts Railing: Paint or seal kick plate (8" x 8" timber, not PT) Railing: 6. Install missing end post for railing (anchored into ground) Railing: Replace timber extensions where split or missing. Deck: Seal transverse cracks in AC Decking: Seal weathered split ends Abutments: Repair cracks and minor edge spalls in concrete ledge beam for girder seats	888	\$62,016	\$69.84	\$54,903	\$3,241,350	\$7,113	\$419,951
24	San Diego	County of San Diego	57C-0186	E48-1-B1	Alpine Blvd	Viejas Creek	0.5 mi e/o Alpine Blvd-Willows Rd	96.9	SD	Approaches: Fill and patch spalls and seal cracks in AC approaches Deck: Clean, patch light spalls, and seal entire surface with methacrylate Railing: Clean and patch small spalls	4,896	\$104,363	\$21.32	\$92,393	\$3,333,743	\$11,970	\$431,922
25	San Diego	County of San Diego	57C-0649	C1B-B1	Guejito Road	Escondido Creek	250 ft s/o Lake Wohlford Rd	89.4		Deck: Seal deck cracks at South end of bridge	3,275	\$58,153	\$17.76	\$51,483	\$3,385,226	\$6,670	\$438,592
26	San Diego	County of San Diego	57C-0323	335-485-B1	Pankey Road (N)	Horse Ranch Creek	0.1 mi n/o SR76	92.9		Deck: Seal deck cracks near South abutment Slope: Fill scour hole at toe of South abutment slope Slope: Extend Rip-Rap to toe of South abutment slope Slope: Grout Rip-Rap	4,568	\$156,112	\$34.18	\$138,206	\$3,523,432	\$17,906	\$456,498
27	San Diego	County of San Diego	57C-0637	403-150-B1	Camino San Bernardo	Camino Del Norte	0.5 mi s/o Rnacho Bernadro Rd	92.2		Deck: Seal deck cracks at Bent 2 & at deck corners with methacrylate	15,498	\$72,166	\$4.66	\$63,889	\$3,587,321	\$8,277	\$464,775
28	San Diego	County of San Diego	57C-0669	B1-B3	Lilac Road	San Luis Rey River	0.15 mi s/o SR76	99		Deck: Seal AC cracks Deck: 2. Saw cut and remove 1/2"± of AC to either side of the large crack over the pier and replace with a pourable joint seal Abutment: Repair dislodged timber lagging at South Abutment	3,000	\$39,506	\$13.17	\$34,975	\$3,622,295	\$4,531	\$469,307
29	San Diego	County of San Diego	57C-0647	A23-1-B1	Rancho Santa Fe Road ( La Bajada)	Escondido Creek	0.25 mi e/o Manchester Rd	95.6		Deck: Clean deck surface & seal with methacrylate Approach: Seal cracks in approach slabs	19,032	\$154,197	\$8.10	\$136,510	\$3,758,805	\$17,686	\$486,993
30	San Diego	County of San Diego	57C-0531	B39-B4	Camino Del Rey	Moosa Canyon Creek	2.1 mi e/o West Lilac Road	97.8		Deck: Clean deck surface & seal with methacrylate	6,742	\$63,557	\$9.43	\$56,267	\$3,815,072	\$7,290	\$494,283
31	San Diego	County of San Diego	57C-0666	J42-B9	Old Highway 80	Kitchen Creek	1.9 mi s/o Buckman Springs Rd	98.9		Deck: Clean deck and seal entire surface with methacrylate	9,674	\$68,187	\$7.05	\$60,366	\$3,875,438	\$7,821	\$502,104

Notes: Total participating cost includes:  
 Sumation of estimated cost for each item under Work Description.  
 Mobilization of 20% to account for small, remote projects.  
 Contingency of 25% to account for higher risk in cost variance for maitenence projects.  
 Preliminary engineering of 10%.  
 Construction management of 10%.