

COUNTY OF SAN DIEGO - PROPOSED BRIDGE PREVENTATIVE MAINTENANCE FOR FY 2015/2016

Priority Ranking***	State# 57C-	County Bridge #	Roadway	Crossing	Location	SR	SD/FO Status	Work Recommended by Caltrans ABME in BIR (Work Recommended by County or previous BPM report)	Proposed Work / Remarks	Bridge Deck Width (FT)	Bridge Deck Length (FT)	Bridge Deck Area (SF)	Unit cost Methacrylate* (\$ / SF)	Public Safety Plan (LS)	Joint Repair Quantity (LF)	Unit Cost Joint Repair (\$ / LF)	Patch Bridge Deck (SF)	Unit Cost Patch Bridge Deck (\$ / SF)	Paint Structural Steel Area (SF)	Unit Cost Paint Structural Steel (\$ / SF)	Scour Mitigation Study (LS)	Replace Bridge Deck (LS)	Replace Bridge Railing (LS)	Other direct Costs** (LS)	Total Participating Cost	Federal Share (88.12%)	Running Total Federal Share	Local Share (11.88%)	Running Total Local Share
1	259	F08-7-225-B2	Japatul Rd	Peterson Canyon	2.3 miles e/o Tavern Road	83.6	None	1. Repair potholes & level AC approaches 2. Remove portion of trees growing over shoulder on southeast corner 3. Seal deck cracks with methacrylate	1. Already completed by County forces 2. Already completed by County forces 3. Seal deck cracks with methacrylate	40	82	3280	\$8	\$10,000	0		275	\$200	0		\$0	\$0	\$0	\$50,000	\$141,240	\$124,461	\$124,461	\$16,779	\$16,779
2	396	A31-A-407-B1	Via De Santa Fe	San Dieguito River	0.7 mile s/o Via De La Valle	79.0	None	1. Clear excessive vegetation in the channel (2. Repair deck spalls - voids on deck surface maybe too deep to fill with methacrylate) (3. Seal deck with methacrylate)	1. Scheduled to be completed by County forces 2. Repair deck spalls 3. Seal deck with methacrylate	40	405	16200	\$8	\$10,000	0		1,620	\$200	0		\$0	\$0	\$0	\$50,000	\$513,600	\$452,584	\$577,045	\$61,016	\$77,795
3	440	E02-0-260-B1	Willow Rd	San Vicente Creek	0.2 mile n/o SR67	96.6	None	1. Patch spalls at deck joint edge with polyester concrete 2. Replace pourable joint seals at the two abutment joints	1. Completed by County contract in 2009 2. Replace pourable joint seals at Abutments.	40	210	8400			80	\$150	0		0		\$0	\$0	\$0	\$50,000	\$62,000	\$54,634	\$631,679	\$7,366	\$85,161
4	145	77500-398-B1	Seventh St	Santa Maria Creek	0.2 mile n/o SR78	55.3	FO	1. Repair spalls 2. Methacrylate Deck (3. Remove bridge deck AC @ south approach)	1. Repair spalls 2. Methacrylate deck 3. Remove deck AC	26	134	3484	\$8	\$10,000	26	\$150	350	\$200	0		\$0	\$0	\$0	\$50,000	\$161,772	\$142,553	\$774,233	\$19,219	\$104,379
5	237	F53-0-465-B3	Buckman Springs Rd	Cottonwood Creek	0.2 mile s/o Old HWY 80	94.6	None	1. Seal deck cracks with methacrylate (2. Replace approach AC for 5ft length each side of bridge)	1. Seal deck cracks with methacrylate 2. To be completed by County	40	108	4320	\$8	\$10,000	0		350	\$200	0		\$0	\$0	\$0	\$50,000	\$164,560	\$145,010	\$919,243	\$19,550	\$123,929
6	401	A-SEE-B1	Billy Mitchell Dr	Forrester Creek Channel	300' ± w/o Marshal Avenue	85.5	None	1. Clean and seal deck with methacrylate 2. Repair spalls at eastbound joint	1. Clean and seal deck with methacrylate 2. Spalls already repaired by County forces	68	98	6664	\$8	\$10,000	0		550	\$200	0		\$0	\$0	\$0	\$50,000	\$223,312	\$196,783	\$1,116,026	\$26,529	\$150,458
7	698	D24-0-020-B1	Bonita Rd	Sweetwater River	0.2 mile s/o Sweetwater Road	97.9	None	1. Seal deck crack by methacrylate or equivalent material	1. Seal deck with methacrylate	83	500	41500	\$8	\$10,000	0		0		0		\$0	\$0	\$0	\$50,000	\$392,000	\$345,430	\$1,461,456	\$46,570	\$197,028
8	747	F23-0-395-B1	Potrero Valley Rd	Potrero Creek- W Crossing	1.1 miles ne/o SR94	84.7	None	1. Seal the deck cracks (2. Replace north approach AC)	1. Seal deck with methacrylate 2. To be completed by County	30	69	2070	\$8	\$10,000	0		200	\$200	0		\$0	\$0	\$0	\$50,000	\$116,560	\$102,713	\$1,564,169	\$13,847	\$210,875
9	57	B33-0-022-B2	Old River Rd	Moosa Canyon Creek	0.3 mile se/o Camino Del rey	98.3	None	1. Trim Tree branches (2. Remove and replace approach AC per previous BPM report) (3. Clean deck surface and seal deck with methacrylate per previous BPM report)	1. Trees trimmed by County forces 2. To be completed by County 3. Clean deck surface and seal deck with methacrylate	42	153	6426			0		650	\$200	0		\$0	\$0	\$0	\$50,000	\$180,000	\$158,616	\$1,722,785	\$21,384	\$232,259
10	371	E11-0-090-B1	Riverside Dr	Sweetwater River	1.6 miles n/o SR79	53.5	None	None per Caltrans (1. Clean deck and seal surface with methacrylate) (2. Remove bridge deck AC) (3. Patch spalled AC and build-up to compensate for settlement of about 1/2" - bridge deck near south approach has been overlaid with AC, should remove AC on bridge deck and re-do south approach)	1. Clean deck and seal surface with methacrylate 2. Remove deck AC 3. To be completed by County	23	184	4232	\$10	\$10,000	0		350	\$200	0		\$0	\$0	\$0	\$50,000	\$172,320	\$151,848	\$1,874,633	\$20,472	\$252,731
11	656	B39-0-022-B1	Camino Del Rey (Lilac Rd)	San Luis Rey River	0.2 mile e/o SR76	93.5	None	1. Repair 5 failed sawcut deck spalls in the middle of the bridge (2. Negative moment crackings at center pier) (3. Methacrylate deck per County inspection)	1. Repair deck spalls in middle of bridge 2. Seal deck cracks with methacrylate 3. Methacrylate deck	40	400	16000	\$8	\$10,000	0		1,600	\$200	0		\$0	\$0	\$0	\$50,000	\$508,000	\$447,650	\$2,322,283	\$60,350	\$313,081
12	323	48500-335-B1	Pankey Rd - North	Horse Ranch Creek	0.1 mile n/o SR76	92.9	None	None per Caltrans (1. Seal deck cracks near south abutment per previous BPM report) (2. Fill scour hole at toe of south abutment slope per previous BPM report) (3. Extend rip-rap to toe of south abutment slope per previous BPM report) (4. Grout rip-rap per previous BPM report)	1. Seal deck cracks with methacrylate 2. To be addressed by County 3. To be addressed by County 4. To be addressed by County	40	105	4200			0		450	\$200	0		\$0	\$0	\$0	\$50,000	\$140,000	\$123,368	\$2,445,651	\$16,632	\$329,713
13	531	B39-0-022-B4	Camino Del Rey	Moosa Canyon Creek	2.1 miles e/o West Lilac Road (S/o Via Mariposa)	96.6	None	None per Caltrans (1. Clean deck surface and seal with methacrylate per previous BPM report)	1. Clean deck surface and seal with methacrylate	36	158	5688	\$8	\$10,000	0		575	\$200	0		\$0	\$0	\$0	\$50,000	\$220,504	\$194,308	\$2,639,959	\$26,196	\$355,909
14	637	15000-403-B1	Camino San Bernardo	Camion Del Norte	0.5 mile s/o Rancho Bernardo Road	79.0	None	1. Clean joint at abutment #3 (2. Clean and seal deck with methacrylate)	1. Already completed by County forces 2. Clean and seal deck with methacrylate	70	189	13230	\$8	\$10,000	0		1,100	\$200	0		\$0	\$0	\$0	\$50,000	\$385,840	\$340,002	\$2,979,961	\$45,838	\$401,747
15	647	A23-0-407-B1	Rancho Santa Fe Rd	Escondido Creek	e/o Rancho Santa Fe Road/Manchester Avenue	92.2	None	None per Caltrans (1. Repair Deck Spalls) (2. Clean deck surface and seal with methacrylate per previous BPM report) (3. Seal cracks in approach slabs per previous BPM report. Note that there are voids on deck surface which seem too deep to fill with methacrylate)	1. Repair Deck Spalls 2. Clean deck surface and seal with methacrylate 3. Part of the process to methacrylate deck	36	416	14976	\$10	\$10,000	0		1,500	\$200	0		\$0	\$0	\$0	\$50,000	\$509,760	\$449,201	\$3,429,162	\$60,559	\$462,306
16	649	C01-B-515-B1	Guejito Rd	Escondido Creek	0.1 mile s/o Lake Wohford Road	82.6	None	None per Caltrans (1. Clean and seal deck with methacrylate)	1. Clean and seal deck with Methacrylate.	32	92	2944	\$8	\$10,000	0		250	\$200	0		\$0	\$0	\$0	\$50,000	\$133,552	\$117,686	\$3,546,848	\$15,866	\$478,172
17	666	J42-0-465-B9	Old Highway 80	Kitchen Creek	1.9 miles e/o Buckman Springs Road	98.9	None	None per Caltrans (1. Methacrylate deck per previous BPM report) (2. Add short Type A AC dike at south east corner to get drainage into overside drain and flume) (3. Repair erosion)	1. Methacrylate deck 2. To be addressed by County 3. To be addressed by County	32	273	8736	\$8	\$10,000	0		700	\$200	0		\$0	\$0	\$0	\$50,000	\$269,888	\$237,825	\$3,784,673	\$32,063	\$510,235
18	376	68200-180-B1	Mount Helix Dr	Mount Helix Dr (OC)	0.4 ± mile s/o Fuerte Drive	63.4	None	1. Clean & paint rusted spots	1. Clean & Paint Structural Steel	23	37	851			0		0		1,215	\$165	\$0	\$0	\$0	\$50,000	\$250,475	\$220,719	\$4,005,391	\$29,756	\$539,992
19	253	F64-0-090-B1	Wildwood Glen Ln	Sweetwater River	500' west of SR79	72.5	None	1. Remove trees & vegetation 2. Remove rust, spot blast, clean and paint structural steel	1. Already completed by County forces 2. Clean & Paint Structural Steel	82	47	3854			0		0		2,600	\$300	\$0	\$0	\$0	\$150,000	\$930,000	\$819,516	\$4,824,907	\$110,484	\$650,476
20	829	H52-0-027-B1	Borrego Salton Seaway	Arroyo Salada Wash Tributary	11.98 miles east of Peg Leg Road	98.8	None	1. Conduct Scour Mitigation Study	1. Conduct Scour Mitigation Study	34	29	986			0		0		0		\$75,000	\$0	\$0	\$50,000	\$125,000	\$110,150	\$4,935,057	\$14,850	\$665,326
21	669	B01-0-372-B3	Lilac Rd	San Luis Rey River	0.1 mile s/o SR76	85.8	None	None per Caltrans (1. Remove and replace existing timber deck with concrete deck) (2. Paint railing)	1. Remove and replace existing timber bridge deck with concrete deck 2. Clean & Paint Metal Bridge Railing	23	120	2760			0		0		600	\$165	\$0	\$120,000	\$0	\$150,000	\$369,000	\$325,163	\$5,260,220	\$43,837	\$709,163
22	144	C02-1-515-B1	Lake Wohford Rd	Escondido Creek	2 miles east of Valley Center Road	58.2	FO	1. Replace existing concrete bridge deck found to be in poor condition during BPM construction	1. Replace existing concrete bridge deck	28	187	5236			0		0		0		\$0	\$200,000	\$0	\$185,000	\$385,000	\$339,262	\$5,599,482	\$45,738	\$754,901
23	2	F47-0-090-B1	Los Terrinitos Rd	Sweetwater River	0.1 mile west of SR79	79.3	None	1. Replace existing concrete bridge railing found to be in poor condition during BPM construction	1. Replace existing concrete bridge railing	21	138	2898			0		0		0		\$0	\$0	\$100,000	\$80,000	\$180,000	\$158,616	\$5,758,098	\$21,384	\$776,285

\* Unit cost includes clean bridge deck, furnish bridge deck treatment material, treat bridge deck, remove yellow traffic stripe and pavement marking, painted traffic stripe (2-coat), and pavement marker - retroreflective.  
 \*\* Unit cost includes mobilization, prepare water pollution control plan, water pollution control measures, traffic control, and other direct costs to be itemized in Engineer's Estimate.  
 \*\*\* Priority ranking is established with a separate spreadsheet and available upon request.

TOTAL PARTICIPATING COST = \$6,534,383  
 TOTAL FEDERAL SHARE = \$5,758,098  
 TOTAL LOCAL SHARE = \$776,285