

COUNTY of YUBA  
2015 / 2016 Bridge Preventative Maintenance Program

Priority (Lowest number is Top Priority)	County Location	Bridge No.	Facility Carried	Feature Intersected	Location	Sufficiency Rating	SD / FO Status	Work Description	Deck Area (sq ft)	Total Participation Cost	Unit Cost (\$ / sq ft)	Federal Share	Running Federal Summary	Local Share	Running Local Summary
1	YUBA	Develop next years BPMP						Develop next years BPMP plan	1	\$8,900.00	\$8,900.00	\$7,879.17	\$7,879.17	\$1,020.83	\$1,020.83
2	YUBA	16C0001	Simpson Lane	Yuba River	0.5 Mi SE of 10th Street	87.1	SD	Repair potholes in AC overlay @ joint locations @ abutment 1 piers 2,4,5 & 6. Remove dirt & debris from around bearing areas, install Type A pourable joint seals @ all joint locations. Joint width measure (see report).	16682	\$214,698.00	\$12.87	\$190,072.14	\$197,951.31	\$24,625.86	\$25,646.69
3	YUBA	16C0050	Ridge Road	Oregon Creek	0.1 Mi E of S.R. 49	92.9	SD	Remove debris that were impacted in joints & reinstall type A joint seals @ both abutments to allow a proper structural expansion. Repair damaged section of railing near abutment 1 left & right. Treat the deck w/methacrylate to seal deck cracks from further water penetration.	4958	\$76,077.00	\$15.34	\$67,350.97	\$265,302.28	\$8,726.03	\$34,372.72
4	YUBA	16C0031	Woodruff Lane	Jack Slough	0.5 Mi East Jack Slough Rd	88.7		Level approach AC on the abutment 1 end. Deck cracking treatment w/methacrylate to seal cracks from further water penetration.	2837	\$61,077.00	\$21.53	\$54,071.47	\$319,373.75	\$7,005.53	\$41,378.25
5	YUBA	16C0051	Peoria Road	Dry Creek	1.7 Mi North of S.R. 20	96.8		Clean & treat deck w/methcrylate to seal cracks.	4852	\$55,478.00	\$11.43	\$49,114.67	\$368,488.42	\$6,363.33	\$47,741.58
<b>TOTAL</b>										<b>\$416,230.00</b>					

**Bridge Preventive Maintenance Program Goals:**

1. Maintain the existing inventory of bridges in a structurally safe and servicable condition.
2. Correct minor structural defects.
3. Correct minor structural deficiencies early in a bridge's life, rather than wait until a bridge has major problems requiring costly rehabilitation, reconstruction or replacement.
4. Extend the service lives of existing bridges.
5. Make efficient use of limited resources.

**Preventive Maintenance Treatments:**

1. Protect bridge elements
2. Slow the deterioration rate
3. Reduce water infiltration
4. Install or repair scour countermeasures

**Project Prioritization:**

1. Repair scour countermeasures
2. Embankment erosion control
3. Repair, restoration & strengthening of structural elements

**Preventive Maintenance Activities:**

1. Expansion Joint seal & assembly replacement
2. Methacrylate deck treatment
3. Polyester concrete overlay or protective deck overlay
4. Deck AC replacement - need waterproofing to protect from moisture
5. Bridge bearings and supports
6. Repair, restore and strengthen major structural elements including beams, piers & end caps
7. Repair, supplement or replace Timber Structural elements, railing and deck elements(excluding piles)
8. Repair or replace mechanical / electrical components
9. Retrofit fatigue areas of steel girders
10. Spot painting with Paint Condition Index (PCI) > 65
11. Rehabilitate deck drainage elements
12. Replacement of deteriorated bridge railing
13. Embankment erosion control and repair scour countermeasures
14. Replace or rehabilitate approach slabs and new installation