

City of Concord
Contra Costa County

Updated May 15, 2019

Project Description (Separated into two groups based on environmental documentation requirements)

- > **Group 1** Bridges, total 6 bridges (1, 4, 6, 7, 14 & 19)
Costs revised based on final payment amounts
- > **Group 2** Bridges, total 11 bridges (2,3,5,8,9,10,12,13,15,16 & 17)
Costs revised based on bids received during the most recent bid opening
- > Remaining Bridges, total 4 bridges (11, 18, 20 & 21)

Removed from BPMP program as noted under "Work Description" Column

- Shading Indicates Group 1 Bridges
- Shading Indicates Group 2 Bridges
- Shading Indicates Non-Eligible Bridges

Cost Summary

- > Group 1 Bridges: As of the date of update, group 1 bridges are complete. The updated costs are based on final payment amounts to the contractor.
- > Group 2 Bridges: Construction costs are revised based on bid prices received from the most recent bid opening on April 2019.

Total Costs

		BPMP-5135(039)		BPMP-5135(048)	BPMP-5135(049)	Current	Additional Funding	Total BPMP
		Group 1*	Group 2*	[CON]	Group 2*	Totals	Requested for BPMP-5135(049)	Group 1 & 2**
PE	Participating	\$ 534,144	\$ 276,081	\$ -	\$ -	\$ 810,225	\$ 20,107	\$ 830,332
	Non-participating	\$ -	\$ -	\$ -	\$ 49,962	\$ 49,962	\$ -	\$ -
Construction	Participating	\$ -	\$ -	\$ 753,760	\$ 2,325,358	\$ 3,079,118	\$ 243,642	\$ 3,322,760
Contingency	Participating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 256,900	\$ 256,900
Sub-Total	Participating	\$ -	\$ -	\$ 753,760	\$ 2,325,358	\$ 3,079,118	\$ 500,542	\$ 3,579,660
Construction Engineering	Participating	\$ -	\$ -	\$ 84,133	\$ -	\$ 84,133	\$ 423,885	\$ 508,018
Participating Total		\$ 534,144	\$ 276,081	\$ 885,783	\$ 2,325,358	\$ 4,021,366	\$ 944,534	\$ 4,965,900

* Actual Costs

** Projected Costs

Priority (Lowest No. is Top Priority)	Bridge No. from Inspection Report	Facility Carried	Feature Intersected	Location	Sufficiency Rating	SD/FO Status	Work Description (See Notes)	Deck Area (ft2)	Total Participating Cost	Unit Cost (\$ / ft ²)	Federal Share	Running Federal Summary	Local Share	Running Local Summary
1	28C0034 Group 1	Willow Pass Rd	Mt. Diablo Creek	0.8 mi South of Hwy 4	47.1	SD	1. Remove slope paving remnant and replace with full slope paving. 2. Repair all spalls and incipient spalls on columns, piers and deck soffit. 3. Epoxy inject all cracks in piers and bridge deck. 4. Replace barrier railing. 5. Construct polymer concrete deck overlay. DURATION = 40 WD's	33,867	\$450,464	\$13.30	\$398,796	\$398,796	\$51,668	\$51,668
2	28C0183 Group 2	Willow Pass Road	Walnut Creek	At I-680	66.7	SD	1. Rehabilitate RSP to protect piers 3 and 4, and to control erosion from storm runoff from Iron Horse Regional Trail. 2. Repair concrete spalls on piers and girders. 3. Clean and replace joint seals. 4. Rehabilitate longitudinal joint between abutment 1 and pier 4. 5. Treat bridge deck with methacrylate sealant. 6. Repair metal bridge railing. 7. Remove and reconstruct portions of sidewalk approaches. DURATION = 34 WD's	28,860	\$930,200	\$32.23	\$823,506	\$1,222,302	\$106,694	\$158,362
3	28C0091 R Group 2	Concord Ave	Walnut Creek	0.83 mi East of I-681	62.2	SD	1. Rehabilitate RSP at pier 4, the footing of which has been exposed. 2. Rehabilitate the retaining wall and bridge railing which has settled 7 inches on RH side of abutment 1. 3. Repair concrete spalls and incipient spalls in beam seats in the pier walls and abutments. 4. Repair portions of PC/PS I-girders that exhibit spalling and incipient spalling possibly related to fire damage. Remove unsound concrete and replace to original dimensions of girder cross sections. 5. Clean and replace bridge deck joint seals. 6. Treat bridge deck with methacrylate sealant. 7. Remove and reconstruct portions of sidewalk approaches. DURATION = 32 WD's)	32,702	\$408,000	\$12.48	\$361,202	\$1,583,504	\$46,798	\$205,160
4	28C0189R Group 1	Diamond Blvd	Walnut Creek	0.1 mi North of Willow Pass Rd.	69.7	SD	1. Seal utility openings at abutments. 2. Repair concrete spalls on pier walls and girders. 3. Clean and replace joint seals. 4. Treat bridge deck with methacrylate sealant. 5. Repair metal bridge railing. 6. Remove and reconstruct portions of sidewalk approaches. DURATION = 11 WD's	20,064	\$141,130	\$7.03	\$124,942	\$1,708,446	\$16,188	\$221,348
5	28C0091L Group 2	Concord Ave	Walnut Creek	0.83 mi East of I-680	62.3	SD	1. Repair areas of main prestressed I-girders exhibiting spalling and incipient spalling possibly related to fire damage. Remove unsound concrete and replace to original dimensions of girder cross-section. 2. Repair spalls and incipient spalls in abutment and pier diaphragms. 3. Clean and replace joint seals. 4. Treat the bridge deck with methacrylate sealant. 5. Remove and reconstruct portions of sidewalk approaches. DURATION = 25 WD's	32,702	\$355,500	\$10.87	\$314,724	\$2,023,170	\$40,776	\$262,124

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6	28C0189L Group 1	Diamond Blvd	Walnut Creek	0.1 mi North of Willow Pass Rd	69.7	SD	1. Repair concrete spalls on pier walls and girders. 2. Seal utility openings at abutments. 3. Clean and replace joint seals. 4. Treat bridge deck with methacrylate sealant. DURATION = 11 WD's	20,064	\$124,480	\$6.20	\$110,202	\$2,133,372	\$14,278	\$276,402
7	28C0436 Group 1	Walnut Ave	Contra Costa Canal	0.01 mi East of The Alameda	72.5		1. Seal joint at EB to prevent water from reaching the abutment. 2. Construct slope paving to channel storm water away from the abutment and into the canal. 3. Remove timber railing and replace with metal bridge railing. DURATION = 16 WD's	745	\$27,686	\$57.73	\$24,510	\$2,157,882	\$3,176	\$279,578
8	28C0115 Group 2	Ygnacio Valley Rd	Galindo Creek	0.05 mi West of Alberta Way	80.5		1. Repair AC dike and construct overside drain to reroute roadway surface drainage. 2. Repair concreted RSP on east side of upstream end of culvert. 3. Place RSP at both upstream and downstream ends of culvert, on west side of creek. 4. Core through downstream retaining walls and place tiebacks to limit displacements caused by tree roots. 5. Repair spalled surface areas. DURATION = 16 WD's	3,218	\$194,300	\$60.38	\$172,014	\$2,329,896	\$22,286	\$301,864
9	28C0222 Group 2	St Francis Drive	Galindo Creek	0.1 mi East of Oak Grove Road	50.6	SD	1. Construct shotcrete lagging and wingwalls. 2. Place RSP to protect the base of abutment 1 from further erosion. 3. Remove concrete obstruction by breaking into pieces and placing in existing local scour hole. 4. Treat bridge deck with methacrylate sealant. 5. Remove and replace portions of sidewalk approaches. DURATION = 18 WD's	1,140	\$377,300	\$98.44	\$334,024	\$2,663,920	\$43,276	\$345,140
10	28C0357 Group 2	San Miguel Road	Pine Creek	0.2 mi NW of Treat Boulevard	95.9		1. Remove and replace the East and West parapet wall on the original culvert. 2. Remove and replace chain link railing. 3. Remove and replace unsound concrete on the east joint between the box culvert and the adjacent retaining wall. 4. Replace the joint between the original and lengthening structure on the east side. DURATION = 16 WD's	4,387	\$191,500	\$43.66	\$169,535	\$2,833,455	\$21,965	\$367,105
11	28C0220 Non-Eligible Bridge	Cape Cod Way	Galindo Creek	0.1 mi NE of Essex Court	78.3		Determined to be less than 20' in length, not a "bridge- Not qualified for BPMP 1. Rehabilitate the rock slope protection at the downstream end of the culvert, on the north side of Galindo Creek. 2. remove unsound concrete and patch the joint between the RCP and wingwall at the upstream end of the culvert, on the south bank of Galindo Creek. . DURATION = 6 WD's	896	\$0	\$0.00	\$0	\$2,833,455	0	\$367,105
12	28C0361 Group 2	Concord Blvd	Mount Diablo Creek	0.3 mi East of Bailey Road	90.8		1. Repair concreted rock slope and invert protection at downstream EOD. DURATION = 8 WD's	5,587	\$98,000	\$17.54	\$86,759	\$2,920,214	\$11,241	\$378,346
13	28C0362 Group 2	Ayers Road	Mount Diablo Creek	0.3 mi North of Clayton Road	94.1		1. Apply methacrylate deck seal. DURATION = 4 WD	3,240	\$47,300	\$14.60	\$41,875	\$2,962,089	\$5,425	\$383,771

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14	28C0116 Group 1	Kirker Pass Road	Mount Diablo Creek	0.2 mi North of Clayton Road	81.8		1. Remove unsound concrete and place formed concrete patches at fence post pockets with incipient spalls. DURATION = 4 WD's	8,154	\$6,250	\$0.77	\$5,533	\$2,967,622	717	\$384,488
15	28C0278 Group 2	Claudia Drive	Holbrook Channel	0.1 mi North of Holbrook	89.5		1. Remove and replace unsound concrete on the soffit and pier wall. 2. Remove and replace unsound concrete around utility opening in the northwest wing wall. 3. Replace portions of sidewalks that have been damaged by settlement. DURATION = 13 WD's	1,227	\$71,800	\$41.99	\$63,565	\$3,031,187	\$8,235	\$392,723
16	28C0224 Group 2	Whitman Road	SDM Channel	0.3 mi NE of Oak Grove Road	82.8		1. Remove chain link fence posts. 2. Remove unsound concrete at spall locations. 3. Clean and patch areas where reinforcement is exposed. 4. Replace chain link fence posts. DURATION = 8 WD's	2,982	\$57,100	\$19.15	\$50,551	\$3,081,738	\$6,549	\$399,272
17	28C0221 Group 2	Court Lane	Galindo Creek	0.1 mi South of Cowell Road	88.5		1. Notify resident regarding need to remove tree. 2. Protect creek bank on the south side of the creek on the upstream side of the bridge against further erosion by placing RSP. 3. Repair concreted rock below headwall for 18" RCP on downstream side of bridge. DURATION = 12 WD's	1,088	\$94,900	\$78.33	\$84,015	\$3,165,753	\$10,885	\$410,157
18	28C0353 Non-Eligible Bridge	Minert Street, BART, David Ave.	POC	0.05 mi NE of Helix Drive	N/A		Pedestrian Bridge. Not qualified for BPMP 1. Remove unsound concrete and repair spalls in the walkway deck and railing surfaces. 2. Remove unsound concrete and repair spall in the bridge soffit at one location. DURATION = 5 WD's	2,904	\$0	\$0.00	\$0	\$3,165,753	\$0	\$410,157
19	28C0427 Group 1	Cowell Road	Galindo Creek	0.05 mi South of Babel Lane	96.2		1. Repair spalled surface area. DURATION = 1 WD	2,533	\$3,750	\$1.48	\$3,320	\$3,169,073	\$430	\$410,587
20	28C0276 Non-Eligible Bridge	Risdon Street	SDM Channel	0.25 mi SW of Oak Grove Road	89.5		No BPMP qualified repairs identified. 1. Notify owners of SDM channel to make repairs to settled concreted slope protection at US face of weir.	2,193	\$0	\$0.00	\$0	\$3,169,073	\$0	\$410,587
21	28C0198 Non-Eligible Bridge	Clayton Road	Pine Creek		93.8		No BPMP qualified repairs identified. 1. Notify utility owner to repair spalled concrete at utility support anchorage locations.	6,477	\$0	\$0.00	\$0	\$3,169,073	\$0	\$410,587
Group 1 Total									\$753,760		\$667,303		\$86,457	
Group 2 Total									\$2,825,900		\$2,501,770		\$324,130	
Construction Total:									\$3,579,660		\$3,169,073		\$410,587	
PE									\$810,225		\$717,291		\$92,934	
Construction Engineering									\$84,133		\$74,483		\$9,650	
Totals:									\$4,474,018		\$3,960,847		\$513,171	