

Purdon Road over Shady Creek Bridge Replacement Project  
Nevada County Contract No. 224022  
Federal-Aid Project No. BRLO-5917(083)  
Engineer's Estimate - February 6, 2018

Item No.	Item Code	(P) / (F)	Item Description	Unit of Measure	Quantity	Unit Price	Item Total
1	099999		CONSTRUCTION STAKING	LS	1	\$ 20,000.00	\$ 20,000.00
2	100100		DEVELOP WATER SUPPLY	LS	1	\$ 2,000.00	\$ 2,000.00
3	120090		CONSTRUCTION AREA SIGNS	LS	1	\$ 3,500.00	\$ 3,500.00
4	120100		TRAFFIC CONTROL SYSTEM	LS	1	\$ 50,000.00	\$ 50,000.00
5	120182		PORTABLE DELINEATOR	EA	64	\$ 50.00	\$ 3,200.00
6	129000		TEMPORARY RAILING (TYPE K)	LF	120	\$ 25.00	\$ 3,000.00
7	129113		TEMPORARY ALTERNATIVE CRASH CUSHION	EA	4	\$ 5,000.00	\$ 20,000.00
8	130100		JOB SITE MANAGEMENT	LS	1	\$ 15,000.00	\$ 15,000.00
9	130200		PREPARE WATER POLLUTION CONTROL PROGRAM	LS	1	\$ 2,000.00	\$ 2,000.00
10	130550		TEMPORARY HYDROSEED	SQYD	1352	\$ 5.50	\$ 7,436.00
11	130640		TEMPORARY FIBER ROLL	LF	828	\$ 3.00	\$ 2,484.00
12	160110		TEMPORARY HIGH-VISIBILITY FENCE	LF	1040	\$ 15.00	\$ 15,600.00
13	170103		CLEARING AND GRUBBING	LS	1	\$ 30,000.00	\$ 30,000.00
14	190101	F	ROADWAY EXCAVATION	CY	723	\$ 170.00	\$ 122,910.00
15	192003	F	STRUCTURE EXCAVATION (BRIDGE)	CY	234	\$ 150.00	\$ 35,100.00
16	193003	F	STRUCTURE BACKFILL (BRIDGE)	CY	152	\$ 100.00	\$ 15,200.00
17	210350		FIBER ROLL	LF	1289	\$ 7.00	\$ 9,023.00
18	210430		HYDROSEED	SQFT	9775	\$ 0.35	\$ 3,421.25
19	260203		AGGREGATE BASE (CLASS 2)	CY	230	\$ 150.00	\$ 34,500.00
20	390132		HOT MIX ASPHALT (TYPE A)	TON	297	\$ 250.00	\$ 74,250.00
21	394073		PLACE HOT MIX ASPHALT DIKE (TYPE A)	LF	29	\$ 6.00	\$ 174.00
22	398001		REMOVE ASPHALT CONCRETE PAVEMENT (SQFT)	SQFT	915	\$ 20.00	\$ 18,300.00
23	480600		TEMPORARY SHORING	LS	1	\$ 30,000.00	\$ 30,000.00
24	500001	P	PRESTRESSING CAST IN PLACE CONCRETE	LS	1	\$ 45,000.00	\$ 45,000.00
25	510051	F	STRUCTURAL CONCRETE, BRIDGE FOOTING	CY	20	\$ 1,000.00	\$ 20,000.00
26	510053	F	STRUCTURAL CONCRETE, BRIDGE	CY	81	\$ 1,500.00	\$ 121,500.00
27	510054	F	STRUCTURAL CONCRETE, BRIDGE (POLYMER FIBER)	CY	109	\$ 1,600.00	\$ 174,400.00
28	510085	F	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE EQ)	CY	18	\$ 1,250.00	\$ 22,500.00
29	511035		ARCHITECTURAL TREATMENT	SQFT	1400	\$ 50.00	\$ 70,000.00
30	511106		DRILL AND BOND DOWEL	LF	30	\$ 75.00	\$ 2,250.00
31	520102	P-F	BAR REINFORCING STEEL (BRIDGE)	LB	38020	\$ 2.00	\$ 76,040.00
32	520106	P-F	BAR REINFORCING STEEL (EPOXY COATED)	LB	12860	\$ 3.00	\$ 38,580.00
33	600097		BRIDGE REMOVAL	LS	1	\$ 20,000.00	\$ 20,000.00
34	641101	P	18" HDPE PIPE (TYPE S)	LF	42	\$ 200.00	\$ 8,400.00
35	705307		18" ALTERNATIVE FLARED END SECTION	EA	1	\$ 2,500.00	\$ 2,500.00
36	721015	F	ROCK SLOPE PROTECTION (NO. 1, METHOD B)	CY	31	\$ 250.00	\$ 7,750.00
37	729011		ROCK SLOPE PROTECTION FABRIC (CLASS 8)	SQYD	45	\$ 10.00	\$ 450.00
38	780440		PREPARE AND STAIN CONCRETE	SQFT	1400	\$ 10.00	\$ 14,000.00
39	803020		REMOVE FENCE	LF	363	\$ 15.00	\$ 5,445.00
40	800000A	P	FENCE (TYPE BLW, 3-STRAND, METAL POST)	LF	381	\$ 25.00	\$ 9,525.00
41	820230		REMOVE SIGN	EA	5	\$ 150.00	\$ 750.00
42	820750		FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED)	SQFT	44	\$ 20.00	\$ 880.00
43	820840		ROADSIDE SIGN - ONE POST	EA	5	\$ 500.00	\$ 2,500.00
44	810190A		GUARD RAIL DELINEATORS	EA	24	\$ 40.00	\$ 960.00
45	839521	F	CABLE RAILING	LF	14	\$ 100.00	\$ 1,400.00
46	839738	P-F	CALIFORNIA ST-30 BRIDGE RAIL	LF	314	\$ 300.00	\$ 94,200.00
47	999990		MOBILIZATION	LS	1	\$ 125,612.83	\$ 125,612.83

Contract Items Subtotal		\$ 1,381,741.08
Contingencies	10%	\$ 138,174.11
<b>Contract Items Total</b>		<b>\$ 1,519,915.18</b>
Construction Engineering	15%	\$ 227,987.28
<b>Construction Total</b>		<b>\$ 1,747,902.46</b>