

Job No. 4113069.0
 Date: January 10, 2014
 By: IHH



Fair Way Path Extension
 Calistoga, California
 OPINION OF PROBABLE CONSTRUCTION COSTS
 Based on PRELIMINARY DESIGN - OPTION #1

Prepared By: Riechers Spence and Associates, Dated: January 10, 2014

DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
A. GRADING AND STREET WORK				
Mobilization	1	l.s.	\$ 10,000.00	\$ 10,000.00
Erosion Control	1	l.s.	\$ 20,000.00	\$ 20,000.00
Dust Control	1	l.s.	\$ 5,000.00	\$ 5,000.00
Clearing and Grubbing	0.95	acre	\$ 3,000.00	\$ 2,850.00
Demo - Existing 36" RCP	90.00	l.f.	\$ 30.00	\$ 2,700.00
Demo - Existing Headwalls	2	each	\$ 1,500.00	\$ 3,000.00
Earthwork	1,100	c.y.	\$ 5.00	\$ 5,500.00
Export Cut	360	c.y.	\$ 20.00	\$ 7,200.00
Asphalt Concrete (Type A) - 3"	430	ton	\$ 150.00	\$ 64,500.00
Class II Aggregate Base - 6"	600	c.y.	\$ 55.00	\$ 33,000.00
Signage (incl. remove / replace)	10	each	\$ 250.00	\$ 2,500.00
Traffic Control	1	l.s.	\$ 5,000.00	\$ 5,000.00
			Subtotal	<u>\$161,250.00</u>
B. STORMWATER WORK				
Junction Box (36" to 54")	1	each	\$ 10,000.00	\$ 10,000.00
Drain Inlet - Raise/relocate	1	each	\$ 2,000.00	\$ 2,000.00
54" RCP	630	l.f.	\$ 250.00	\$ 157,500.00
Manhole and/or SD Turning Structure	2	each	\$ 3,000.00	\$ 6,000.00
Catch Basins and PVC storm drains	4	each	\$ 1,500.00	\$ 6,000.00
			Subtotal	<u>\$ 181,500.00</u>
C. MISCELLANEOUS				
Handrails / Guardrails / Fencing	650	l.f.	\$ 20.00	\$ 13,000.00
Retaining Walls - CMU or Block	2,000	s.f.	\$ 45.00	\$ 90,000.00
Fire Hydrant - Relocate	1	each	\$ 2,000.00	\$ 2,000.00
Utility Pole - Relocate	3	each	\$ 40,000.00	\$ 120,000.00
Tree Removals (> 6" trunk diameter)	12	each	\$ 1,000.00	\$ 12,000.00
			Subtotal	<u>\$ 237,000.00</u>
			Total	\$579,750.00
			15% Contingency	<u>\$ 86,962.50</u>
			GRAND TOTAL	<u>\$ 666,713.00</u>



Fair Way Path Extension
 Calistoga, California
OPINION OF PROBABLE CONSTRUCTION COSTS
 Based on PRELIMINARY DESIGN - OPTION #2
 Prepared By: Riechers Spence and Associates, Dated: January 10, 2014

DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
A. GRADING AND STREET WORK				
Mobilization	1	l.s.	\$ 10,000.00	\$ 10,000.00
Erosion Control	1	l.s.	\$ 20,000.00	\$ 20,000.00
Dust Control	1	l.s.	\$ 5,000.00	\$ 5,000.00
Clearing and Grubbing	0.95	acre	\$ 3,000.00	\$ 2,850.00
Demo - Existing 36" RCP	90.00	l.f.	\$ 30.00	\$ 2,700.00
Demo - Existing Headwalls	2	each	\$ 1,500.00	\$ 3,000.00
Earthwork	1,000	c.y.	\$ 5.00	\$ 5,000.00
Import Fill	215	c.y.	\$ 20.00	\$ 4,300.00
Asphalt Concrete (Type A) - 3"	430	ton	\$ 150.00	\$ 64,500.00
Class II Aggregate Base - 6"	600	c.y.	\$ 55.00	\$ 33,000.00
Signage (incl. remove / replace)	10	each	\$ 250.00	\$ 2,500.00
Traffic Control	1	l.s.	\$ 5,000.00	\$ 5,000.00
			Subtotal	\$157,850.00
B. STORMWATER WORK				
Junction Box (36" to 54")	1	each	\$ 10,000.00	\$ 10,000.00
Drain Inlet - Raise/relocate	1	each	\$ 2,000.00	\$ 2,000.00
54" RCP	630	l.f.	\$ 250.00	\$ 157,500.00
Manhole and/or SD Turning Structure	2	each	\$ 3,000.00	\$ 6,000.00
Catch Basins and PVC storm drains	4	each	\$ 1,500.00	\$ 6,000.00
			Subtotal	\$ 181,500.00
C. MISCELLANEOUS				
Handrails / Guardrails / Fencing	650	l.f.	\$ 20.00	\$ 13,000.00
Retaining Walls - CMU or Block	2,000	s.f.	\$ 45.00	\$ 90,000.00
Fire Hydrant - Relocate	1	each	\$ 2,000.00	\$ 2,000.00
Utility Pole - Relocate	3	each	\$ 40,000.00	\$ 120,000.00
Tree Removals (> 6" trunk diameter)	12	each	\$ 1,000.00	\$ 12,000.00
			Subtotal	\$ 237,000.00
D. ADDITIONAL WORK - OPTION #2				
54" RCP	700	l.f.	\$ 250.00	\$ 175,000.00
Handrails / Guardrails / Fencing	670	l.f.	\$ 20.00	\$ 13,400.00
Retaining Walls - CMU or Block	1,850	s.f.	\$ 45.00	\$ 83,250.00
Fire Hydrant - Relocate	1	each	\$ 5,000.00	\$ 5,000.00
Utility Pole - Relocate	3	each	\$ 10,000.00	\$ 30,000.00
Tree Removals (> 6" trunk diameter)	8	each	\$ 1,000.00	\$ 8,000.00
			Subtotal	\$ 314,650.00
			Total	\$891,000.00
			15% Contingency	\$ 133,650.00
			GRAND TOTAL	\$ 1,024,650.00

DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
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NOTES:

1. This estimate of probable construction costs is prepared as a guide only and is subject to possible change. It has been prepared to a standard of accuracy, which, to the best of our knowledge and judgment, is sufficient to satisfy our understanding of this estimate.
2. This estimate does not include the following:
 - a. Construction staking costs
 - b. Costs associated with stormwater monitoring (QSP)
 - c. Agency fees.
 - d. Cost associated with environmental mitigations.
 - e. Phased construction or out-of-regular-sequence construction.
 - f. Land costs, acquisition of right of way, easements, and/or rights of entry.
 - g. Costs associated with high groundwater or inclement weather conditions.
 - h. Costs associated with limitation on construction access.
3. Costs presented herein represent an opinion based on historical information and previous bid prices on current projects. No provision has been made for inflation.