

Purchase Order Contract Bridge Replacement

DATE: 10-14-2010

County Alexander
 County # 1
 Bridge# 48
 Project# B-5229/ DO00053
 Engineer's Estimate: \$455,000

ROUTE : SR-1001

DESCRIPTION: 11'-0" X 9'-0" Double Barrel , Three Sided Cast-in-place Reinf. Concrete Culvert, on 143 Degree Skew Angle

Line Item #	Item Number	Section	Item Description	Amount	Payment Type	Unit Price Bid	Mountain Creek	Unit	Apple Tuck &	Unit	Blythe Development	Unit	Dane		
							Constr.	Price Bid	Assoc.	Price Bid	Co.	Price Bid	Constr.		
1	0000100000-N	800	Mobilization	1	L.S.	\$ 18,535.00	\$ 18,535.00	\$ 25,000.00	\$ 25,000.00	\$ 22,000.00	\$ 22,000.00	\$ 22,150.00	\$ 22,150.00		
2	0248000000-N	SP	Generic Grading Item (Excavation & Embankment)	1	L.S.	\$ 40,910.00	\$ 40,910.00	\$ 50,000.00	\$ 50,000.00	\$ 85,000.00	\$ 85,000.00	\$ 85,000.00	\$ 85,000.00		
3	0344000000-E	310	18" Side Drain Pipe	28	Lin. Ft.	\$ 15.00	\$ 420.00	\$ 20.00	\$ 560.00	\$ 32.00	\$ 896.00	\$ 40.50	\$ 1,134.00		
4	0372000000-E	310	18" RC Pipe Culvert, CL III	48	Lin. Ft.	\$ 25.00	\$ 1,200.00	\$ 30.00	\$ 1,440.00	\$ 30.00	\$ 1,440.00	\$ 40.50	\$ 1,944.00		
5	0396000000-E	310	42" RC Pipe Culvert, CL III	68	Ea.	\$ 171.18	\$ 11,640.24	\$ 75.00	\$ 5,100.00	\$ 60.00	\$ 4,080.00	\$ 94.50	\$ 6,426.00		
6	0995000000-E	340	Pipe Removal	28	Lin. Ft.	\$ 10.00	\$ 280.00	\$ 20.00	\$ 560.00	\$ 8.00	\$ 224.00	\$ 20.00	\$ 560.00		
7	1220000000-E	545	Incidental Stone Base	50	Tons	\$ 42.85	\$ 2,142.50	\$ 20.00	\$ 1,000.00	\$ 23.00	\$ 1,150.00	\$ 30.00	\$ 1,500.00		
8	1489000000-E	610	Asphalt Concrete Base Course, Type B 25.0 B	400	Tons	\$ 50.50	\$ 20,200.00	\$ 50.50	\$ 20,200.00	\$ 56.00	\$ 22,400.00	\$ 50.50	\$ 20,200.00		
9	1498000000-E	610	Asphalt Concrete Intermediate Course, Type I 19.0 B	275	Tons	\$ 56.50	\$ 15,537.50	\$ 56.50	\$ 15,537.50	\$ 62.00	\$ 17,050.00	\$ 56.50	\$ 15,537.50		
10	1519000000-E	610	Asphalt Concrete Surface Course, Type S 9.5 B	375	Tons	\$ 57.00	\$ 21,375.00	\$ 56.50	\$ 21,187.50	\$ 62.00	\$ 23,250.00	\$ 56.50	\$ 21,187.50		
11	1560000000-E	620	Asphalt Binder for Plant Mix, PG 64-22	53	Tons	\$ 525.00	\$ 27,825.00	\$ 515.00	\$ 27,295.00	\$ 570.00	\$ 30,210.00	\$ 515.00	\$ 27,295.00		
12	2209000000-E	838	End Wall	4.5	C.Y.	\$ 1,000.00	\$ 4,500.00	\$ 650.00	\$ 2,925.00	\$ 235.00	\$ 1,057.50	\$ 975.00	\$ 4,387.50		
13	3030000000-E	862	Steel BM Guardrail	500	Lin. Ft.	\$ 21.00	\$ 10,500.00	\$ 21.00	\$ 10,500.00	\$ 17.50	\$ 8,750.00	\$ 21.00	\$ 10,500.00		
14	3045000000-E	862	Steel BM Guardrail (Shop Curved)	65	Lin. Ft.	\$ 17.00	\$ 1,105.00	\$ 17.00	\$ 1,105.00	\$ 21.00	\$ 1,365.00	\$ 17.00	\$ 1,105.00		
15	3150000000-N	862	Additional Guardrail Posts	5	Ea.	\$ 35.00	\$ 175.00	\$ 35.00	\$ 175.00	\$ 65.00	\$ 325.00	\$ 35.00	\$ 175.00		
16	3195000000-N	SP	Guardrail Anchor Unit, Type AT-1	2	Ea.	\$ 500.00	\$ 1,000.00	\$ 500.00	\$ 1,000.00	\$ 625.00	\$ 1,250.00	\$ 500.00	\$ 1,000.00		
17	3270000000-N	SP	Guardrail Anchor Unit, Type 350	2	Ea.	\$ 1,775.00	\$ 3,550.00	\$ 1,775.00	\$ 3,550.00	\$ 2,600.00	\$ 5,200.00	\$ 1,775.00	\$ 3,550.00		
18	3656000000-E	876	Filter Fabric for Drainage	1620	Sq. Yds.	\$ 2.58	\$ 4,179.60	\$ 2.00	\$ 3,240.00	\$ 2.00	\$ 3,240.00	\$ 2.00	\$ 3,240.00		
19	6000000000-E	1605	Temporary Silt Fence	1500	Lin. Ft.	\$ 3.00	\$ 4,500.00	\$ 2.00	\$ 3,000.00	\$ 1.80	\$ 2,700.00	\$ 2.00	\$ 3,000.00		
20	6006000000-E	1610	Stone for Erosion Control, Class A	80	Tons	\$ 30.00	\$ 2,400.00	\$ 40.00	\$ 3,200.00	\$ 36.00	\$ 2,880.00	\$ 35.00	\$ 2,800.00		
21	6009000000-E	1610	Stone for Erosion Control, Class B	130	Tons	\$ 30.00	\$ 3,900.00	\$ 40.00	\$ 5,200.00	\$ 36.00	\$ 4,680.00	\$ 33.00	\$ 4,290.00		
22	6012000000-E	1610	Sediment Control Stone	185	Tons	\$ 30.00	\$ 5,550.00	\$ 40.00	\$ 7,400.00	\$ 30.00	\$ 5,550.00	\$ 30.00	\$ 5,550.00		
23	6024000000-E	1622	Temporary Slope Drains	200	Lin. Ft.	\$ 10.00	\$ 2,000.00	\$ 10.00	\$ 2,000.00	\$ 13.00	\$ 2,600.00	\$ 12.00	\$ 2,400.00		
24	6027000000-N	1622	Inlet Protection at Temporary Slope Drains	4	Ea.	\$ 100.00	\$ 400.00	\$ 150.00	\$ 600.00	\$ 115.00	\$ 460.00	\$ 185.00	\$ 740.00		
25	6030000000-E	SP	Safety Fence	600	Lin. Ft.	\$ 2.80	\$ 1,680.00	\$ 1.80	\$ 1,080.00	\$ 1.60	\$ 960.00	\$ 1.80	\$ 1,080.00		
26	6029000000-E	1630	Silt Excavation	170	C.Y.	\$ 5.00	\$ 850.00	\$ 1.00	\$ 170.00	\$ 4.85	\$ 824.50	\$ 10.00	\$ 1,700.00		
27	6036000000-E	1631	Matting for Erosion Control	6525	Sq. Yds.	\$ 2.00	\$ 13,050.00	\$ 1.95	\$ 12,723.75	\$ 1.70	\$ 11,092.50	\$ 1.95	\$ 12,723.75		
28	6037000000-E	1631	Coir Fiber Mat	315	Sq. Yds.	\$ 4.00	\$ 1,260.00	\$ 5.00	\$ 1,575.00	\$ 6.00	\$ 1,890.00	\$ 4.25	\$ 1,338.75		
29	6070000000-N	SP	Special Stilling Basins	6	Ea.	\$ 500.00	\$ 3,000.00	\$ 200.00	\$ 1,200.00	\$ 700.00	\$ 4,200.00	\$ 525.00	\$ 3,150.00		
30	6071010000-E	SP	Wattle	150	Lin. Ft.	\$ 5.00	\$ 750.00	\$ 6.00	\$ 900.00	\$ 6.50	\$ 975.00	\$ 4.75	\$ 712.50		
31	6071020000-E	SP	Polyacrylamide (PAM)	38	Lbs.	\$ 10.00	\$ 380.00	\$ 25.00	\$ 950.00	\$ 20.75	\$ 788.50	\$ 8.50	\$ 323.00		
32	6111000000-N	SP	Impervious Dike	85	Lin. Ft.	\$ 15.00	\$ 1,275.00	\$ 50.00	\$ 4,250.00	\$ 80.00	\$ 6,800.00	\$ 24.25	\$ 2,061.25		
33	6120000000-E	SP	Culvert Diversion Channel	350	Lin. Ft.	\$ 50.00	\$ 17,500.00	\$ 10.00	\$ 3,500.00	\$ 15.50	\$ 5,425.00	\$ 13.15	\$ 4,602.50		
34	6133000000-N	SP	Generic Erosion Control Item	1	L.S.	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 2,500.00	\$ 2,500.00	\$ 6,000.00	\$ 6,000.00		
35	8035000000-E	402	Removal Existing Structures	1	L.S.	\$ 7,500.00	\$ 7,500.00	\$ 15,000.00	\$ 15,000.00	\$ 28,000.00	\$ 28,000.00	\$ 17,345.00	\$ 17,345.00		
36	8196000000-E	420	Class "A" Concrete	238	Ea.	\$ 398.00	\$ 94,724.00	\$ 450.00	\$ 107,100.00	\$ 345.00	\$ 82,110.00	\$ 450.00	\$ 107,100.00		
37	8245000000-E	425	Reinforcing Steel	33600	Lin. Ft.	\$ 0.75	\$ 25,200.00	\$ 1.00	\$ 33,600.00	\$ 0.70	\$ 23,520.00	\$ 0.75	\$ 25,200.00		
38	8590000000-E	876	Plain Rip Rap, Class I	170	Tons	\$ 40.00	\$ 6,800.00	\$ 40.00	\$ 6,800.00	\$ 36.00	\$ 6,120.00	\$ 33.00	\$ 5,610.00		
39	8594000000-E	876	Plain Rip Rap, Class B	60	Tons	\$ 40.00	\$ 2,400.00	\$ 40.00	\$ 2,400.00	\$ 36.00	\$ 2,160.00	\$ 33.00	\$ 1,980.00		
40	8608000000-E	876	Rip Rap Class II (2'-0" Thick)	120	Tons	\$ 40.00	\$ 4,800.00	\$ 50.00	\$ 6,000.00	\$ 40.00	\$ 4,800.00	\$ 53.77	\$ 6,452.40		
							Total		\$ 389,993.84		\$ 414,023.75		\$ 429,923.00		\$ 443,050.65

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DESCRIPTION: 11'-0" X 9'-0" Double Barrel , Three Sided Cast-in-place Reinf. Concrete Culvert, on 143 Degree Skew Angle

Line Item #	Item Number	Section	Item Description	Amount	Payment Type	Unit Price Bid	R. E. Burns &	Unit	Miller			
							Sons	Price Bid	Engineering			
1	0000100000-N	800	Mobilization	1	L.S.	\$ 25,000.00	\$ 25,000.00	\$ 24,000.00	\$ 24,000.00			
2	0248000000-N	SP	Generic Grading Item (Excavation & Embankment)	1	L.S.	\$ 106,000.00	\$ 106,000.00	\$ 58,600.00	\$ 58,600.00			
3	0344000000-E	310	18" Side Drain Pipe	28	Lin. Ft.	\$ 40.00	\$ 1,120.00	\$ 29.00	\$ 812.00			
4	0372000000-E	310	18" RC Pipe Culvert, CL III	48	Lin. Ft.	\$ 75.00	\$ 3,600.00	\$ 38.00	\$ 1,824.00			
5	0396000000-E	310	42" RC Pipe Culvert, CL III	68	Ea.	\$ 100.00	\$ 6,800.00	\$ 70.00	\$ 4,760.00			
6	0995000000-E	340	Pipe Removal	28	Lin. Ft.	\$ 8.00	\$ 224.00	\$ 5.00	\$ 140.00			
7	1220000000-E	545	Incidental Stone Base	50	Tons	\$ 33.00	\$ 1,650.00	\$ 27.00	\$ 1,350.00			
8	1489000000-E	610	Asphalt Concrete Base	400	Tons	\$ 53.00	\$ 21,200.00	\$ 81.40	\$ 32,560.00			
			Course, Type B 25.0 B				\$ -		\$ -			
9	1498000000-E	610	Asphalt Concrete Intermediate	275	Tons	\$ 59.00	\$ 16,225.00	\$ 81.40	\$ 22,385.00			
			Course, Type I 19.0 B				\$ -		\$ -			
10	1519000000-E	610	Asphalt Concrete Surface	375	Tons	\$ 59.00	\$ 22,125.00	\$ 81.40	\$ 30,525.00			
			Course, Type S 9.5 B				\$ -		\$ -			
11	1560000000-E	620	Asphalt Binder for Plant Mix, PG 64-22	53	Tons	\$ 515.00	\$ 27,295.00	\$ 565.00	\$ 29,945.00			
12	2209000000-E	838	End Wall	4.5	C.Y.	\$ 750.00	\$ 3,375.00	\$ 1,000.00	\$ 4,500.00			
13	3030000000-E	862	Steel BM Guardrail	500	Lin. Ft.	\$ 21.00	\$ 10,500.00	\$ 21.00	\$ 10,500.00			
14	3045000000-E	862	Steel BM Guardrail (Shop Curved)	65	Lin. Ft.	\$ 17.00	\$ 1,105.00	\$ 16.00	\$ 1,040.00			
15	3150000000-N	862	Additional Guardrail Posts	5	Ea.	\$ 35.00	\$ 175.00	\$ 13.00	\$ 65.00			
16	3195000000-N	SP	Guardrail Anchor Unit, Type AT-1	2	Ea.	\$ 500.00	\$ 1,000.00	\$ 475.00	\$ 950.00			
17	3270000000-N	SP	Guardrail Anchor Unit, Type 350	2	Ea.	\$ 1,775.00	\$ 3,550.00	\$ 1,950.00	\$ 3,900.00			
18	3656000000-E	876	Filter Fabric for Drainage	1620	Sq. Yds.	\$ 1.50	\$ 2,430.00	\$ 4.00	\$ 6,480.00			
19	6000000000-E	1605	Temporary Silt Fence	1500	Lin. Ft.	\$ 2.00	\$ 3,000.00	\$ 4.00	\$ 6,000.00			
20	6006000000-E	1610	Stone for Erosion Control, Class A	80	Tons	\$ 30.00	\$ 2,400.00	\$ 40.00	\$ 3,200.00			
21	6009000000-E	1610	Stone for Erosion Control, Class B	130	Tons	\$ 30.00	\$ 3,900.00	\$ 40.00	\$ 5,200.00			
22	6012000000-E	1610	Sediment Control Stone	185	Tons	\$ 30.00	\$ 5,550.00	\$ 30.00	\$ 5,550.00			
23	6024000000-E	1622	Temporary Slope Drains	200	Lin. Ft.	\$ 5.00	\$ 1,000.00	\$ 18.00	\$ 3,600.00			
24	6027000000-N	1622	Inlet Protection at Temporary Slope Drains	4	Ea.	\$ 100.00	\$ 400.00	\$ 150.00	\$ 600.00			
25	6029000000-E	SP	Safety Fence	600	Lin. Ft.	\$ 1.80	\$ 1,080.00	\$ 5.00	\$ 3,000.00			
26	6030000000-E	1630	Silt Excavation	170	C.Y.	\$ 3.00	\$ 510.00	\$ 10.00	\$ 1,700.00			
27	6036000000-E	1631	Matting for Erosion Control	6525	Sq. Yds.	\$ 1.00	\$ 6,525.00	\$ 1.95	\$ 12,723.75			
28	6037000000-E	1631	Coir Fiber Mat	315	Sq. Yds.	\$ 5.00	\$ 1,575.00	\$ 10.00	\$ 3,150.00			
29	6070000000-N	SP	Special Stilling Basins	6	Ea.	\$ 150.00	\$ 900.00	\$ 1,000.00	\$ 6,000.00			
30	6071010000-E	SP	Wattle	150	Lin. Ft.	\$ 6.00	\$ 900.00	\$ 8.00	\$ 1,200.00			
31	6071020000-E	SP	Polyacrylamide (PAM)	38	Lbs.	\$ 20.00	\$ 760.00	\$ 10.00	\$ 380.00			
32	6111100000-N	SP	Impervious Dike	85	Lin. Ft.	\$ 40.00	\$ 3,400.00	\$ 50.00	\$ 4,250.00			
33	6120000000-E	SP	Culvert Diversion Channel	350	Lin. Ft.	\$ 40.00	\$ 14,000.00	\$ 23.00	\$ 8,050.00			
34	6133000000-N	SP	Generic Erosion Control Item	1	L.S.	\$ 3,000.00	\$ 3,000.00	\$ 8,000.00	\$ 8,000.00			
35	8035000000-E	402	Removal Existing Structures	1	L.S.	\$ 10,000.00	\$ 10,000.00	\$ 12,000.00	\$ 12,000.00			
36	8196000000-E	420	Class "A" Concrete	238	Ea.	\$ 620.00	\$ 147,560.00	\$ 700.00	\$ 166,600.00			
37	8245000000-E	425	Reinforcing Steel	33600	Lin. Ft.	\$ 1.10	\$ 36,960.00	\$ 1.00	\$ 33,600.00			
38	8590000000-E	876	Plain Rip Rap, Class I	170	Tons	\$ 50.00	\$ 8,500.00	\$ 40.00	\$ 6,800.00			
39	8594000000-E	876	Plain Rip Rap, Class B	60	Tons	\$ 50.00	\$ 3,000.00	\$ 40.00	\$ 2,400.00			
40	8608000000-E	876	Rip Rap Class II (2'-0" Thick)	120	Tons	\$ 50.00	\$ 6,000.00	\$ 40.00	\$ 4,800.00			
			Total				\$ 514,294.00		\$ 533,139.75			