

Purchase Order Contract Bridge Replacement

DATE:	03-31-2011
County	Watauga
County #	94
Bridge#	37
Project#	B-5226/ DO00095
WBS	WBS 42824.3.1
Engineer's Estimate: \$450,000	

ROUTE : SR-1340

DESCRIPTION: Cored Slab with one span 1 @50'-0" on a 60 degree skew angle and 30'-0" clear rdwy. width.

Line Item #	Item Number	Section	Item Description	Amount	Payment Type	Unit Price Bid	Smith- Rowe	Unit	Miller	Unit	J. R. Vannoy &	Unit	Dane
							Inc.	Price Bid	Engineering	Price Bid	Sons, Inc.	Price Bid	Construction
1	0000100000-N	800	Mobilization	1	L.S.	\$ 22,500.00	\$ 22,500.00	\$ 20,500.00	\$ 20,500.00	\$ 30,349.77	\$ 30,349.77	\$ 24,500.00	\$ 24,500.00
2	0000900000-N	SP	Generic Mobilization (Pile Excavation)	1	L.S.	\$ 4,000.00	\$ 4,000.00	\$ 7,000.00	\$ 7,000.00	\$ 8,800.00	\$ 8,800.00	\$ 6,500.00	\$ 6,500.00
3	0199000000-E	452	Temporary Shoring	860	S.F.	\$ 0.50	\$ 430.00	\$ 35.00	\$ 30,100.00	\$ 28.56	\$ 24,561.60	\$ 1.00	\$ 860.00
4	0248000000-N	SP	Generic Grading Item (Excavation and Embankment)	1	L.S.	\$ 39,340.00	\$ 39,340.00	\$ 46,000.00	\$ 46,000.00	\$ 26,703.09	\$ 26,703.09	\$ 45,000.00	\$ 45,000.00
5	0714000000-E	310	18" BCCS Pipe Culvert, B 0.064"	12	Lin. Ft.	\$ 50.00	\$ 600.00	\$ 100.00	\$ 1,200.00	\$ 36.25	\$ 435.00	\$ 35.00	\$ 420.00
6	1489000000-E	610	Asphalt Concrete Base Course, Type B25.0B	180	Tons	\$ 82.05	\$ 14,769.00	\$ 80.00	\$ 14,400.00	\$ 86.96	\$ 15,652.80	\$ 79.05	\$ 14,229.00
7	1498000000-E	610	Asphalt Concrete Intermediate Course Type I 19.0 B	115	Tons	\$ 79.89	\$ 9,187.35	\$ 77.85	\$ 8,952.75	\$ 84.58	\$ 9,726.70	\$ 76.89	\$ 8,842.35
8	1519000000-E	610	Asphalt Concrete Surface Course, Type S 9.5 B	238	Lin. Ft.	\$ 72.87	\$ 17,343.06	\$ 70.85	\$ 16,862.30	\$ 76.86	\$ 18,292.68	\$ 69.87	\$ 16,629.06
9	1560000000-E	620	Asphalt Binder for Plant Mix, PG 64-22	27	Tons	\$ 540.00	\$ 14,580.00	\$ 540.00	\$ 14,580.00	\$ 594.00	\$ 16,038.00	\$ 540.00	\$ 14,580.00
10	2556000000-E	846	Shoulder Berm Gutter	45	Lin. Ft.	\$ 65.00	\$ 2,925.00	\$ 50.00	\$ 2,250.00	\$ 39.20	\$ 1,764.00	\$ 30.00	\$ 1,350.00
11	2570000000-N	SP	Modified Concrete Flume	1	Ea.	\$ 1,250.00	\$ 1,250.00	\$ 2,500.00	\$ 2,500.00	\$ 1,375.00	\$ 1,375.00	\$ 1,500.00	\$ 1,500.00
12	2619000000-E	850	Concrete Paved Ditch	4	Sq. Yds.	\$ 80.00	\$ 320.00	\$ 150.00	\$ 600.00	\$ 318.64	\$ 1,274.56	\$ 75.00	\$ 300.00
13	3030000000-E	862	Steel BM Guardrail	288	Lin. Ft.	\$ 14.00	\$ 4,032.00	\$ 14.00	\$ 4,032.00	\$ 15.40	\$ 4,435.20	\$ 14.00	\$ 4,032.00
14	3150000000-N	862	Additional Guardrail Posts	5	Ea.	\$ 12.00	\$ 60.00	\$ 12.00	\$ 60.00	\$ 13.20	\$ 66.00	\$ 12.00	\$ 60.00
15	3270000000-N	SP	Guardrail Anchor Unit, Type 350	4	Ea.	\$ 1,825.00	\$ 7,300.00	\$ 1,825.00	\$ 7,300.00	\$ 2,007.50	\$ 8,030.00	\$ 1,825.00	\$ 7,300.00
16	3317000000-N	862	Guardrail Anchor Unit, Type B-77	4	Ea.	\$ 1,500.00	\$ 6,000.00	\$ 1,500.00	\$ 6,000.00	\$ 1,650.00	\$ 6,600.00	\$ 1,500.00	\$ 6,000.00
17	3656000000-E	876	Filter Fabric for Drainage	675	Sq. Yds.	\$ 2.00	\$ 1,350.00	\$ 6.00	\$ 4,050.00	\$ 2.57	\$ 1,734.75	\$ 2.15	\$ 1,451.25
18	4589000000-E	SP	Generic Traffic Control Item	1	L.S.	\$ 26,500.00	\$ 26,500.00	\$ 45,000.00	\$ 45,000.00	\$ 56,384.67	\$ 56,384.67	\$ 41,785.11	\$ 41,785.11
19	6000000000-E	1605	Temporary Silt Fence	810	Tons	\$ 1.83	\$ 1,482.30	\$ 5.00	\$ 4,050.00	\$ 2.31	\$ 1,871.10	\$ 1.83	\$ 1,482.30
20	6006000000-E	1610	Stone for Erosion Control, Class A	80	Tons	\$ 25.00	\$ 2,000.00	\$ 45.00	\$ 3,600.00	\$ 40.80	\$ 3,264.00	\$ 32.00	\$ 2,560.00
21	6009000000-E	1610	Stone for Erosion Control, Class B	50	Tons	\$ 38.00	\$ 1,900.00	\$ 45.00	\$ 2,250.00	\$ 41.58	\$ 2,079.00	\$ 32.00	\$ 1,600.00
22	6012000000-E	1610	Sediment Control Stone	120	Tons	\$ 23.00	\$ 2,760.00	\$ 45.00	\$ 5,400.00	\$ 28.36	\$ 3,403.20	\$ 30.00	\$ 3,600.00
23	6024000000-E	1622	Temporary Slope Drain	200	Lin. Ft.	\$ 7.00	\$ 1,400.00	\$ 9.00	\$ 1,800.00	\$ 10.98	\$ 2,196.00	\$ 12.00	\$ 2,400.00
24	6027000000-N	1622	Inlet Protection at Temporary Slope Drains	4	Ea.	\$ 75.00	\$ 300.00	\$ 175.00	\$ 700.00	\$ 369.10	\$ 1,476.40	\$ 350.00	\$ 1,400.00
25	6029000000-E	SP	Safety Fence	740	Lin. Ft.	\$ 1.52	\$ 1,124.80	\$ 4.00	\$ 2,960.00	\$ 1.38	\$ 1,021.20	\$ 1.52	\$ 1,124.80
26	6030000000-E	1630	Silt Excavation	30	C. Y.	\$ 5.00	\$ 150.00	\$ 5.00	\$ 150.00	\$ 5.41	\$ 162.30	\$ 15.00	\$ 450.00
27	6036000000-E	1631	Matting for Erosion Control	6000	Sq. Yds.	\$ 1.40	\$ 8,400.00	\$ 2.00	\$ 12,000.00	\$ 1.46	\$ 8,760.00	\$ 1.95	\$ 11,700.00
28	6037000000-E	SP	Coir Fibber Mat	315	Sq. Yds.	\$ 3.40	\$ 1,071.00	\$ 9.00	\$ 2,835.00	\$ 4.68	\$ 1,474.20	\$ 6.50	\$ 2,047.50
29	6042000000-E	1632	1/4" Hardware Cloth	150	Lin. Ft.	\$ 3.93	\$ 589.50	\$ 10.00	\$ 1,500.00	\$ 4.13	\$ 619.50	\$ 3.93	\$ 589.50
30	6070000000-N	SP	Special Stilling Basin	4	Ea.	\$ 75.00	\$ 300.00	\$ 1,000.00	\$ 4,000.00	\$ 252.94	\$ 1,011.76	\$ 500.00	\$ 2,000.00
31	6071020000-E	SP	Polyacrylamide (PAM)	12	Lb.	\$ 15.00	\$ 180.00	\$ 45.00	\$ 540.00	\$ 11.28	\$ 135.36	\$ 8.50	\$ 102.00
32	6117000000-N	SP	Response for Erosion Control	6	Ea.	\$ 154.23	\$ 925.38	\$ 300.00	\$ 1,800.00	\$ 137.50	\$ 825.00	\$ 150.00	\$ 900.00
33	6133000000-N	SP	Generic Erosion Control Item	1	L.S.	\$ 6,000.00	\$ 6,000.00	\$ 7,500.00	\$ 7,500.00	\$ 3,410.00	\$ 3,410.00	\$ 11,000.00	\$ 11,000.00
34	8035000000-N	402	Removal Existing Structure	1	L.S.	\$ 24,100.00	\$ 24,100.00	\$ 8,000.00	\$ 8,000.00	\$ 13,188.89	\$ 13,188.89	\$ 15,000.00	\$ 15,000.00
35	8096000000-E	SP	Pile Excavation in Soil	11	Lin. Ft.	\$ 766.55	\$ 8,432.05	\$ 650.00	\$ 7,150.00	\$ 393.14	\$ 4,324.54	\$ 750.00	\$ 8,250.00
36	8097000000-E	SP	Pile Excavation Not in Soil	29	Lin. Ft.	\$ 766.55	\$ 22,229.95	\$ 650.00	\$ 18,850.00	\$ 1,014.63	\$ 29,424.27	\$ 750.00	\$ 21,750.00
37	8210000000-N	422	Bridge Approach Slabs	1	L.S.	\$ 22,500.00	\$ 22,500.00	\$ 26,000.00	\$ 26,000.00	\$ 27,919.06	\$ 27,919.06	\$ 18,000.00	\$ 18,000.00
38	8365000000-E	SP	HP 12 X 53 Galvanized Steel Piles	240	Lin. Ft.	\$ 75.05	\$ 18,012.00	\$ 50.00	\$ 12,000.00	\$ 88.95	\$ 21,348.00	\$ 83.60	\$ 20,064.00
39	8391000000-N	SP	Pile Points for HP 12X53 Steel Piles	14	Ea.	\$ 195.00	\$ 2,730.00	\$ 150.00	\$ 2,100.00	\$ 170.44	\$ 2,386.16	\$ 190.00	\$ 2,660.00
40	8608000000-E	876	Rip Rap Class II	250	Tons	\$ 44.00	\$ 11,000.00	\$ 50.00	\$ 12,500.00	\$ 40.98	\$ 10,245.00	\$ 44.20	\$ 11,050.00
41	8765000000-N	SP	Construction of Substructure	1	L.S.	\$ 53,000.00	\$ 53,000.00	\$ 40,000.00	\$ 40,000.00	\$ 35,121.65	\$ 35,121.65	\$ 75,095.00	\$ 75,095.00
42	8766000000-N	SP	Construction of Superstructure	1	L.S.	\$ 97,250.00	\$ 97,250.00	\$ 75,000.00	\$ 75,000.00	\$ 81,581.96	\$ 81,581.96	\$ 80,000.00	\$ 80,000.00
Total							\$ 460,323.39	\$ 484,072.05	\$ 484,072.05	\$ 489,472.37	\$ 489,472.37	\$ 490,163.87	\$ 490,163.87

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ROUTE : SR-1340

DESCRIPTION: Cored Slab with one span 1 @50'-0" on a 60 degree skew angle and 30'-0" clear rdwy. width.

Line Item #	Item Number	Section	Item Description	Amount	Payment Type	Unit Price Bid	Taylor & Murphy	Unit Price Bid	Blythe			
							Constr. Co.		Development			
1	0000100000-N	800	Mobilization	1	L.S.	\$ 26,000.00	\$ 26,000.00	\$ 27,500.00	\$ 27,500.00			
2	0000900000-N	SP	Generic Mobilization (Pile Excavation)	1	L.S.	\$ 6,500.00	\$ 6,500.00	\$ 16,000.00	\$ 16,000.00			
3	0199000000-E	452	Temporary Shoring	860	S.F.	\$ 38.00	\$ 32,680.00	\$ 1.00	\$ 860.00			
4	0248000000-N	SP	Generic Grading Item (Excavation and Embankment)	1	L.S.	\$ 17,000.00	\$ 17,000.00	\$ 105,000.00	\$ 105,000.00			
5	0714000000-E	310	18" BCCS Pipe Culvert, B 0.064"	12	Lin. Ft.	\$ 53.00	\$ 636.00	\$ 40.00	\$ 480.00			
6	1489000000-E	610	Asphalt Concrete Base Course, Type B25.0B	180	Tons	\$ 85.00	\$ 15,300.00	\$ 90.00	\$ 16,200.00			
7	1498000000-E	610	Asphalt Concrete Intermediate Course Type I 19.0 B	115	Tons	\$ 85.00	\$ 9,775.00	\$ 87.00	\$ 10,005.00			
8	1519000000-E	610	Asphalt Concrete Surface Course, Type S 9.5 B	238	Lin. Ft.	\$ 78.00	\$ 18,564.00	\$ 79.00	\$ 18,802.00			
9	1560000000-E	620	Asphalt Binder for Plant Mix, PG 64-22	27	Tons	\$ 572.00	\$ 15,444.00	\$ 610.00	\$ 16,470.00			
10	2556000000-E	846	Shoulder Berm Gutter	45	Lin. Ft.	\$ 84.00	\$ 3,780.00	\$ 18.00	\$ 810.00			
11	2570000000-N	SP	Modified Concrete Flume	1	Ea.	\$ 2,600.00	\$ 2,600.00	\$ 350.00	\$ 350.00			
12	2619000000-E	850	Concrete Paved Ditch	4	Sq. Yds.	\$ 320.00	\$ 1,280.00	\$ 200.00	\$ 800.00			
13	3030000000-E	862	Steel BM Guardrail	288	Lin. Ft.	\$ 15.00	\$ 4,320.00	\$ 18.50	\$ 5,328.00			
14	3150000000-N	862	Additional Guardrail Posts	5	Ea.	\$ 12.00	\$ 60.00	\$ 22.00	\$ 110.00			
15	3270000000-N	SP	Guardrail Anchor Unit, Type 350	4	Ea.	\$ 1,950.00	\$ 7,800.00	\$ 2,215.00	\$ 8,860.00			
16	3317000000-N	862	Guardrail Anchor Unit, Type B-77	4	Ea.	\$ 1,600.00	\$ 6,400.00	\$ 1,880.00	\$ 7,520.00			
17	3656000000-E	876	Filter Fabric for Drainage	675	Sq. Yds.	\$ 4.80	\$ 3,240.00	\$ 1.30	\$ 877.50			
18	4589000000-E	SP	Generic Traffic Control Item	1	L.S.	\$ 52,000.00	\$ 52,000.00	\$ 63,000.00	\$ 63,000.00			
19	6000000000-E	1605	Temporary Silt Fence	810	Tons	\$ 2.00	\$ 1,620.00	\$ 2.30	\$ 1,863.00			
20	6006000000-E	1610	Stone for Erosion Control, Class A	80	Tons	\$ 45.00	\$ 3,600.00	\$ 45.00	\$ 3,600.00			
21	6009000000-E	1610	Stone for Erosion Control, Class B	50	Tons	\$ 45.00	\$ 2,250.00	\$ 45.00	\$ 2,250.00			
22	6012000000-E	1610	Sediment Control Stone	120	Tons	\$ 45.00	\$ 5,400.00	\$ 30.00	\$ 3,600.00			
23	6024000000-E	1622	Temporary Slope Drain	200	Lin. Ft.	\$ 11.00	\$ 2,200.00	\$ 14.00	\$ 2,800.00			
24	6027000000-N	1622	Inlet Protection at Temporary Slope Drains	4	Ea.	\$ 270.00	\$ 1,080.00	\$ 120.00	\$ 480.00			
25	6029000000-E	SP	Safety Fence	740	Lin. Ft.	\$ 1.75	\$ 1,295.00	\$ 2.00	\$ 1,480.00			
26	6030000000-E	1630	Silt Excavation	30	C. Y.	\$ 10.50	\$ 315.00	\$ 12.00	\$ 360.00			
27	6036000000-E	1631	Matting for Erosion Control	6000	Sq. Yds.	\$ 2.00	\$ 12,000.00	\$ 1.60	\$ 9,600.00			
28	6037000000-E	SP	Coir Fibber Mat	315	Sq. Yds.	\$ 3.60	\$ 1,134.00	\$ 3.90	\$ 1,228.50			
29	6042000000-E	1632	1/4" Hardware Cloth	150	Lin. Ft.	\$ 4.25	\$ 637.50	\$ 4.35	\$ 652.50			
30	6070000000-N	SP	Special Stilling Basin	4	Ea.	\$ 800.00	\$ 3,200.00	\$ 550.00	\$ 2,200.00			
31	6071020000-E	SP	Polyacrylamide (PAM)	12	Lb.	\$ 32.00	\$ 384.00	\$ 32.00	\$ 384.00			
32	6117000000-N	SP	Response for Erosion Control	6	Ea.	\$ 165.00	\$ 990.00	\$ 175.00	\$ 1,050.00			
33	6133000000-N	SP	Generic Erosion Control Item	1	L.S.	\$ 9,000.00	\$ 9,000.00	\$ 2,000.00	\$ 2,000.00			
34	8035000000-N	402	Removal Existing Structure	1	L.S.	\$ 12,000.00	\$ 12,000.00	\$ 13,000.00	\$ 13,000.00			
35	8096000000-E	SP	Pile Excavation in Soil	11	Lin. Ft.	\$ 800.00	\$ 8,800.00	\$ 620.00	\$ 6,820.00			
36	8097000000-E	SP	Pile Excavation Not in Soil	29	Lin. Ft.	\$ 800.00	\$ 23,200.00	\$ 620.00	\$ 17,980.00			
37	8210000000-N	422	Bridge Approach Slabs	1	L.S.	\$ 35,000.00	\$ 35,000.00	\$ 40,000.00	\$ 40,000.00			
38	8365000000-E	SP	HP 12 X 53 Galvanized Steel Piles	240	Lin. Ft.	\$ 70.00	\$ 16,800.00	\$ 100.00	\$ 24,000.00			
39	8391000000-N	SP	Pile Points for HP 12X53 Steel Piles	14	Ea.	\$ 185.00	\$ 2,590.00	\$ 200.00	\$ 2,800.00			
40	8608000000-E	876	Rip Rap Class II	250	Tons	\$ 47.00	\$ 11,750.00	\$ 50.00	\$ 12,500.00			
41	8765000000-N	SP	Construction of Substructure	1	L.S.	\$ 60,000.00	\$ 60,000.00	\$ 28,000.00	\$ 28,000.00			
42	8766000000-N	SP	Construction of Superstructure	1	L.S.	\$ 84,000.00	\$ 84,000.00	\$ 78,000.00	\$ 78,000.00			
Total							\$ 522,624.50		\$ 555,620.50			