

ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LABOUR HOURS	SUB COST LABOR	SUB COST EQUIPMENT	SUB COST MATERIAL	UNIT COST	TOTAL COST	TRADE COST	EA (Each Area)	LF (Linear Feet)	Height	W (Width)	SF (Square)	CY (Cubic Yard)	LBS	LS
1		Construction Stacking Level II	1	LS						\$0.00									
2		SWPPP Documentation & Management	1	LS															
2		Mobilization	1	LS															
<b>Bridge A</b>																			
1		Rock Excavation	18	CY	59.94	\$93.37	\$0.76	\$0.00	\$94.13	\$1,694.34									
2		Subs Tructure Excavation common	400	CY	800	\$56.08	\$0.46	\$0.00	\$56.54	\$22,616.00									
3		CLSM Backfill	72	CY	5.04	\$2.06	\$0.53	\$5.78	\$8.37	\$602.64									
4		Precast Arch Culvert	46	LF	11,316	\$6.97	\$2.19	\$16.17	\$25.33	\$1,165.18									
5		Class AA Concrete	3.6	CY	2,1384	\$21.36	\$15.89	\$261.66	\$298.91	\$1,076.08									
6		Class A Concrete	51.4	CY	30,5316	\$21.36	\$15.89	\$243.04	\$280.29	\$14,406.91									
7		Retaining Wall	71.2	SY															
8		Reinforcing Steel	2.28	TON	40.584	\$745.50	\$6.52	\$2,361.80	\$3,113.82	\$7,099.51								4560	
9		Type 1-A Plain Riprap	434	TON	1,354.08	\$111.10	\$69.86	\$122.40	\$303.36	\$131,659.98									
10		Type 1-A Filter Blanket	45	TON	44.1	\$22.97	\$0.00	\$30.18	\$53.15	\$2,391.75									
11		Removal of Existing Bridge Structure	1	LS															
12		2" pipe Railing	83.6	LF	10,5336	\$5.24	\$0.53	\$112.17	\$117.94	\$9,859.78									
<b>Bridge B</b>																			
13		Rock Excavation	33	CY	109.89	\$93.37	\$0.76	\$0.00	\$94.13	\$3,106.29									
14		Substructure Excavation Common	330	CY	660	\$56.08	\$0.46	\$0.00	\$56.54	\$18,658.20									
15		CLSM Backfill	80	CY	5.6	\$2.06	\$0.53	\$5.78	\$8.37	\$669.60									
16		Precast Arch Culvert	73.5	LF	18,081	\$6.97	\$2.19	\$16.17	\$25.33	\$1,861.76									
17		Class AA Concrete	4.4	CY	2,6136	\$21.36	\$15.89	\$261.66	\$298.91	\$1,315.20									
18		Class A Concrete	72	CY	42,768	\$21.36	\$15.89	\$243.04	\$280.29	\$20,180.88									
19		Retaing Wall	89.4	SY															
20		Reinforcing Steel	3	TON	53.4	\$745.50	\$6.52	\$2,361.80	\$3,113.82	\$9,341.46								6000	
21		Type 1-A Plain Riprap	518	TON	1,616.16	\$111.10	\$69.86	\$122.40	\$303.36	\$157,142.55									
22		Type 1-A Filter Blanket	61	TON	59.78	\$22.97	\$0.00	\$30.18	\$53.15	\$3,242.15									
23		Removal of Existing Bridge Structure	1	LS															
<b>Abutment Quantities</b>																			
24		Rock Excavation	18.4	CY	61.272	\$93.37	\$0.76	\$0.00	\$94.13	\$1,731.99									
25		Substructure Excavation Common	400	CY	800	\$56.08	\$0.46	\$0.00	\$56.54	\$22,616.00									
26		CLSM Backfill	72	CY	5.04	\$2.06	\$0.53	\$5.78	\$8.37	\$602.64									
27		Class A Concrete	51.4	CY	30,5316	\$21.36	\$15.89	\$243.04	\$280.29	\$14,406.91									
28		Reinforcing Steel	2.07	TON	36.846	\$745.50	\$6.52	\$2,361.80	\$3,113.82	\$6,445.61									4140
<b>Retaining Wall</b>																			
29		Rock Excavation	28	CY	93.24	\$93.37	\$0.76	\$0.00	\$94.13	\$2,635.64									
30		Substructure Excavation Common	330	CY	660	\$56.08	\$0.46	\$0.00	\$56.54	\$18,658.20									
31		Unclassified Backfill	60	CY	4.2	\$2.06	\$0.53	\$5.78	\$8.37	\$502.20									
32		Granular Backfill	192	CY	13.44	\$2.06	\$0.53	\$7.89	\$10.48	\$2,012.16									
33		Class A concrete	51.2	CY	30,4128	\$21.36	\$15.89	\$243.04	\$280.29	\$14,350.85									
34		Reinforcing Steel	2.86	TON	50.908	\$745.50	\$6.52	\$2,361.80	\$3,113.82	\$8,905.53									5720
35		2" Pipe Railing	62.2	LF	7,8372	\$5.24	\$0.53	\$112.17	\$117.94	\$7,335.87									
36		6" Perforated Pipe Underdrain Round	88	LF	11,176	\$3.81	\$2.46	\$3.52	\$9.79	\$861.52									
37		6" Non-Perf. Pipe Underdrain Round	80	LF	14.48	\$5.13	\$0.75	\$4.73	\$10.61	\$848.80									
<b>Retaining Wall 2</b>																			
38		Rock Excavation	33.8	CY	112.554	\$93.37	\$0.76	\$0.00	\$94.13	\$3,181.59									
39		Substructure Excavation Common	270	CY	540	\$56.08	\$0.46	\$0.00	\$56.54	\$15,265.80									
40		Unclassified Backfill	120	CY	8.4	\$2.06	\$0.53	\$5.85	\$8.44	\$1,012.80									
41		Granular Backfill	164	CY	11.48	\$2.06	\$0.53	\$7.89	\$10.48	\$1,718.72									
42		Class A concrete	63	CY	37,422	\$21.36	\$15.89	\$243.04	\$280.29	\$17,658.27									
43		Reinforcing Steel	3.645	TON	64.881	\$745.50	\$6.52	\$2,361.80	\$3,113.82	\$11,349.87									7290
44		6" Perforated Pipe Underdrain Round	88	LF	11,176	\$3.81	\$2.46	\$3.52	\$9.79	\$861.52									
45		6" Non-Perf. Pipe Underdrain Round	80	LF	14.48	\$5.13	\$0.75	\$4.73	\$10.61	\$848.80									
<b>Abutment Quantities</b>																			
46		Rock Excavation	33	CY	109.89	\$93.37	\$0.76	\$0.00	\$94.13	\$3,106.29									
47		Substructure Excavation Common	330	CY	660	\$56.08	\$0.46	\$0.00	\$56.54	\$18,658.20									
48		CLSM Backfill	80	CY	5.6	\$2.06	\$0.53	\$5.78	\$8.37	\$669.60									
49		Class A Concrete	72	CY	42,768	\$21.36	\$15.89	\$243.04	\$280.29	\$20,180.88									
50		Reinforcing Steel	2.7	TON	48.06	\$745.50	\$6.52	\$2,361.80	\$3,113.82	\$8,407.31									5400
<b>Headwall</b>																			
51		Class AA Concrete	4.4	CY	2,6136	\$21.36	\$15.89	\$261.66	\$298.91	\$1,315.20									
52		Reinforcing Concrete	0.3	TON	5.34	\$745.50	\$6.52	\$2,361.80	\$3,113.82	\$934.15									600
<b>Road Way Items</b>																			
53		Clearing & Grubbing	1	LS															
54		Unclassified Excavation	1615	CY	24,225	\$0.55	\$2.29	\$0.00	\$2.84	\$4,586.60									
55		Type A Salvaged Topsoil	1	LS															
56		Temporary silt Fence	1446	LF	43,38	\$0.70	\$0.00	\$0.52	\$1.22	\$1,764.12									
57		Temporary silt dike	259	LF	14,504	\$1.69	\$4.57	\$0.00	\$6.26	\$1,621.34									
58		Temporary Fiber Log	80	LF	3.92	\$1.95	\$0.01	\$1.87	\$3.83	\$306.40									
59		Solid Slab Sodding	5846	SY	292.3	\$1.59	\$0.00	\$7.65	\$9.24	\$54,017.04									
60		Vegetative Mulching	1.57	AC	20,567	\$577.80	\$570.24	\$592.90	\$1,740.94	\$2,733.28									
61		Aggregate Base Type A	2	CY				\$42.34	\$42.34	\$84.68									
62		Separator fabric	1474	SY	16,214	\$0.35	\$2.70	\$3.05	\$4.95	\$4,495.70									
63		Traffic Bound Surface Course Type E	160	TON	11.2	\$2.06	\$0.53	\$7.89	\$10.48	\$1,676.80									
64		Fabric Reinforcement	960	SF	7.2	\$0.34	\$0.00	\$0.85	\$1.20	\$1,080.00									1454
65		Superpave, Type S2 (PG 70-28 OK) (D04 Ton)	204	TON	97.92	\$11.52	\$10.00	\$58.21	\$79.73	\$16,264.92									
66		Superpave, Type S3 (PG 64-22 OK)	988	TON	474.24	\$11.52	\$10.00	\$58.21	\$79.73	\$78,773.24									
67		Superpave, Type S4 (PG 70-28 OK)	381	TON	182.88	\$11.52	\$10.00	\$58.21	\$79.73	\$30,377.13									
68		Superpave, Type S4 (PG 64-22 OK)	245	TON	117.6	\$11.52	\$10.00	\$58.21	\$79.73	\$19,533.85									
69		Cold Milling Pavement	1454	SY	370.77	\$8.91	\$10.06	\$37.53	\$56.50	\$82,151.00									
70		Class C Concrete	10	CY	5.94	\$21.36	\$15.89	\$238.14	\$275.39	\$2,753.90									
71		1'-8" Com. Curb & Gutter (6" Barrier)	150	LF	18.45	\$4.60	\$1.77	\$10.19	\$16.56	\$2,484.00									
72		5" concrete side walk	900	SF	6.4	\$1.24	\$0.01	\$2.22	\$3.47	\$3,123.00									
73		Inlet (SMD-Type I)	2	EA	37.2	\$120.90	\$61.97	\$774.20	\$957.07	\$1,914.14									
74		Manhole Adjust to Grade	2	EA	24.2	\$434.00	\$22.75	\$1,411.20	\$2,067.95	\$4,135.90									
75		18" R.C Pipe Class III	57	LF	18.24	\$9.98	\$1.33	\$16.17	\$27.48	\$1,566.36									
76		21"x15" Crossing Galvanized Steel pipe Arch	263	LF	57,942	\$6.29	\$0.92	\$48.08	\$55.29	\$14,430.69									
77		18" Corr. Galvanized Steel pipe	97	LF	77.6	\$19.22	\$6.00	\$134.26	\$159.48	\$15,469.56									
78		Type AA Culvert End Treatment	13	EA					\$25.58	\$332.54									
79		Standard Bedding Material Class C	16	CY	1.12	\$2.06	\$0.53	\$7.89	\$10.48	\$167.68									
80		Trench Excavation	27	CY	2.16	\$2.63	\$2.81	\$0.00	\$5.44	\$146.88									
81		Removal of Structure & Obstructions	1	LS						\$0.00									
82		Fence Style WWF	44	LF	14,696	\$9.53	\$7.01	\$37.04	\$53.58	\$2,357.52									
83		Removal of Asphalt Pavement	2361	SF						\$0.00									
84		Mail Box Installation- Single	3	EA	12	\$140.80	\$2.14	\$1,822.80	\$1,965.74	\$5,897.22									
85		Removal of Mail box	3	EA						\$0.00									
86		Mail Box Installation- Single	2	EA	8	\$140.80	\$2.14	\$1,068.00	\$1,210.94</										

PROJECT ID: County Bridge

SCOPE: Bridge & Road way

ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LABOUR HOURS	SUB COST LABOR	SUB COST EQUIPMENT	SUB COST MATERIAL	UNIT COST	TOTAL COST	TRADE COST	EA (Each Area)	LF (Linear Feet)	Height	W (With)	SF (Square)	CY (Cubic Yard)	LBS	LS
119		Standard Valve Box	3	EA	5.01	\$3.90		\$19.60	\$23.50	\$70.50									
120		Valve Box Extension	2	EA	3.34	\$3.90		\$45.67	\$49.57	\$99.14									
121		3/4" Meter Installation	7	EA					\$2,818.31	\$19,728.17									
122		Fire Hydrant & Assembly	1	LS	5	\$195.70	\$68.90	\$1,540.00	\$1,804.60	\$1,804.60									
123		18" Steel Casing	122	LF	134.2	\$36.81	\$23.46	\$65.66	\$125.93	\$15,363.46									
124		Short Service connection	6	EA					\$500.00	\$3,000.00									
125		Long Service Connection	1	EA					\$950.00	\$950.00									
126		Fittings	3	EA					\$500.00	\$1,500.00									
127		6" 11 1/4 Deere Fitting	6	EA	16.02	\$100.20	\$5.57	\$56.84	\$62.41	\$374.46									
128		6" 45 Degree Fitting	17	EA	21.59	\$45.20	\$0.87	\$288.12	\$288.99	\$4,912.83									
129		6"x4" Reducer	2	EA	4	\$71.18	\$1.37	\$353.78	\$355.15	\$710.30									
130		6"x6"x6" Tee	2	EA	8	\$150.30	\$8.36	\$150.20	\$158.56	\$317.12									
<b>Subtotal</b>											<b>\$2,584,127.42</b>								

<b>SUBTOTAL</b>											<b>\$2,584,127.42</b>								
<b>OVERHEAD</b>			15%								<b>\$387,619.11</b>								
<b>INSURANCE</b>			3%								<b>\$77,523.82</b>								
<b>CONTINGENCY</b>			5%								<b>\$129,206.37</b>								
<b>TOTAL BASE BID</b>											<b>\$3,178,476.72</b>								

Note: