



Project: MAR-CR141E-4.10
 BID DATE: February xx, 2015
 MARION COUNTY ENGINEER'S OFFICE

					MARION COUNTY ENGINEER'S OFFICE ENGINEER'S ESTIMATE		RG Zachrich Construction, Inc. Defiance, Ohio		Mosser Construction, Inc. Fremont, Ohio		The Righter Co., Inc Columbus, Ohio	
Item No.	Spec. No.	Item Description	Quantity	Unit	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1	201E11000	Clearing And Grubbing	1	Lump	\$40,000.00	\$40,000.00	\$22,681.00	\$22,681.00	\$35,000.00	\$35,000.00	\$15,000.00	\$15,000.00
2	202E35100	Pipe Removed, 24" and Under	106	Foot	\$10.97	\$1,162.82	\$11.26	\$1,193.56	\$7.00	\$742.00	\$10.00	\$1,060.00
3	202E38000	Guardrail Removed	982	Foot	\$1.77	\$1,738.14	\$1.46	\$1,433.72	\$2.00	\$1,964.00	\$2.00	\$1,964.00
4	202E42206	Anchor Assembly Removed	4	Each	\$154.17	\$616.68	\$169.00	\$676.00	\$115.00	\$460.00	\$100.00	\$400.00
5	202E75000	Fence Removed	280	Foot	\$2.47	\$691.60	\$3.00	\$840.00	\$3.00	\$840.00	\$2.00	\$560.00
6	203E10000	Excavation	1208	Cu Yd	\$9.00	\$10,872.00	\$12.00	\$14,496.00	\$8.00	\$9,664.00	\$10.00	\$12,080.00
7	203E2000	Embankment	2019	Cu Yd	\$7.00	\$14,133.00	\$15.00	\$30,285.00	\$12.00	\$24,228.00	\$15.00	\$30,285.00
8	204E1000	Subgrade Compaction	2626	Sq Yd	\$0.89	\$2,337.14	\$1.57	\$4,122.82	\$2.50	\$6,565.00	\$2.00	\$5,252.00
9	204E45000	Proof Rolling	2	Hour	\$184.44	\$368.88	\$172.00	\$344.00	\$300.00	\$600.00	\$100.00	\$200.00
10	606E15050	Guardrail, Type MGS	287.5	Foot	\$14.04	\$4,036.50	\$15.60	\$4,485.00	\$15.60	\$4,485.00	\$14.50	\$4,168.75
11	606E15100	Guardrail, Type MGS with Long Posts	587.5	Foot	\$15.43	\$9,065.13	\$17.60	\$10,340.00	\$17.60	\$10,340.00	\$15.50	\$9,106.25
12	606E25550	Anchor Assembly, MGS Type A	3	Each	\$912.69	\$2,738.07	\$985.00	\$2,955.00	\$985.00	\$2,955.00	\$980.00	\$2,940.00
13	606E26550	Anchor Assembly, MGS Type T	1	Each	\$835.82	\$835.82	\$765.00	\$765.00	\$765.00	\$765.00	\$750.00	\$750.00
14	606E35003	MGS Bridge Terminal Assembly, Type 1, As Per Plan	4	Each	\$2,000.00	\$8,000.00	\$1,945.00	\$7,780.00	\$1,945.00	\$7,780.00	\$1,850.00	\$7,400.00
15	690E50100	Special - Mailbox Support System, Single	1	Each	\$112.56	\$112.56	\$120.00	\$120.00	\$120.00	\$120.00	\$100.00	\$100.00
16	601E21050	Tied Concrete Block Mat, Type 1	35	Sq Yd	\$116.42	\$4,074.70	\$71.00	\$2,485.00	\$70.00	\$2,450.00	\$50.00	\$1,750.00
17	659E00100	Soil Analysis Test	2	Each	\$67.36	\$134.72	\$250.00	\$500.00	\$50.00	\$100.00	\$30.00	\$60.00
18	659E00300	Topsoil	308	Cu Yd	\$24.19	\$7,450.52	\$31.00	\$9,548.00	\$15.00	\$4,620.00	\$25.00	\$7,700.00
19	659E10000	Seeding and Mulching	2778	Sq Yd	\$1.72	\$4,778.16	\$0.63	\$1,750.14	\$1.25	\$3,472.50	\$1.30	\$3,611.40
20	659E14000	Repair Seeding and Multching	139	Sq Yd	\$0.80	\$111.20	\$1.00	\$139.00	\$0.40	\$55.60	\$1.30	\$180.70
21	659E15000	Inter-Seeding	139	Sq Yd	\$0.33	\$45.87	\$1.00	\$139.00	\$0.10	\$13.90	\$1.00	\$139.00
22	659E20000	Commercial Fertilizer	0.38	Ton	\$700.00	\$266.00	\$800.00	\$304.00	\$470.00	\$178.60	\$500.00	\$190.00
23	659E31000	Lime	0.57	Acre	\$100.00	\$57.00	\$30.00	\$17.10	\$80.00	\$45.60	\$30.00	\$17.10
24	659E35000	Water	15	M Gallon	\$2.30	\$34.50	\$1.00	\$15.00	\$1.00	\$15.00	\$1.00	\$15.00
25	670E00700	Ditch Erosion Protection	330	Sq Yd	\$2.43	\$801.90	\$2.25	\$742.50	\$2.20	\$726.00	\$2.00	\$660.00
26	832E15000	Storm Water Pollution Prevention Plan	1	Lump	\$5,000.00	\$5,000.00	\$2,454.00	\$2,454.00	\$3,500.00	\$3,500.00	\$5,000.00	\$5,000.00
27	832E30000	Erosion Control	15500	Each	\$1.00	\$15,500.00	\$1.00	\$15,500.00	\$1.00	\$15,500.00	\$1.00	\$15,500.00
28	602E20000	Concrete Masonry	0.87	Cu Yd	\$1,247.02	\$1,084.91	\$2,500.00	\$2,175.00	\$2,000.00	\$1,740.00	\$2,500.00	\$2,175.00



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Item No.	Spec. No.	Item Description	Quantity	Unit	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
29	605E13402	6" Unclassified Pipe Underdrains for Springs	25	Foot	\$9.00	\$225.00	\$10.48	\$262.00	\$18.00	\$450.00	\$5.00	\$125.00
30	605E31100	Aggregate Drains	121	Foot	\$10.49	\$1,269.29	\$10.00	\$1,210.00	\$10.00	\$1,210.00	\$10.00	\$1,210.00
31	605E32200	Aggregate Drains for Springs	25	Foot	\$11.00	\$275.00	\$12.00	\$300.00	\$10.00	\$250.00	\$10.00	\$250.00
32	611E01400	6" Conduit, Type E	75	Foot	\$8.80	\$660.00	\$9.63	\$722.25	\$10.00	\$750.00	\$5.00	\$375.00
33	611E01500	6" Conduit, Type F	75	Foot	\$8.28	\$621.00	\$13.00	\$975.00	\$10.00	\$750.00	\$5.00	\$375.00
34	611E06400	15" Conduit, Type D	100	Foot	\$37.57	\$3,757.00	\$40.00	\$4,000.00	\$30.00	\$3,000.00	\$30.00	\$3,000.00
35	611E07200	18" Conduit, Type A	6	Foot	\$75.00	\$450.00	\$200.00	\$1,200.00	\$150.00	\$900.00	\$300.00	\$1,800.00
36	254E01001	Pavement Planing, Asphalt Concrete, As Per Plan	944	Sq Yd	\$3.05	\$2,879.20	\$6.00	\$5,664.00	\$5.75	\$5,428.00	\$5.00	\$4,720.00
37	301E46000	Asphalt Concrete Base, PG64-22	177	Cu Yd	\$176.50	\$31,240.50	\$152.00	\$26,904.00	\$152.00	\$26,904.00	\$152.00	\$26,904.00
38	304E20000	Aggregate Base	255	Cu Yd	\$62.21	\$15,863.55	\$42.10	\$10,735.50	\$65.00	\$16,575.00	\$50.00	\$12,750.00
39	407E10000	Tack Coat	83	Gallon	\$3.13	\$259.79	\$3.00	\$249.00	\$3.00	\$249.00	\$3.00	\$249.00
40	407E14000	Tack Coat For Intermediate Course	99	Gallon	\$2.64	\$261.36	\$3.00	\$297.00	\$3.00	\$297.00	\$3.00	\$297.00
41	408E10000	Prime Coat	346	Gallon	\$5.87	\$2,031.02	\$5.00	\$1,730.00	\$5.00	\$1,730.00	\$5.00	\$1,730.00
42	4141E50300	Asphalt Concrete Intermediate Course, Type 2 (448)	96	Cu Yd	\$183.48	\$17,614.08	\$160.00	\$15,360.00	\$160.00	\$15,360.00	\$160.00	\$15,360.00
43	4141E47020	Asphalt Concrete Surface Course, Type 1 (448)	82	Cu Yd	\$227.46	\$18,651.72	\$175.00	\$14,350.00	\$175.00	\$14,350.00	\$175.00	\$14,350.00
44	4141E50400	Asphalt Concrete Surface Course, Type 1, (448) (Driveways)	2	Cu Yd	\$266.11	\$532.22	\$175.00	\$350.00	\$175.00	\$350.00	\$175.00	\$350.00
45	609E24500	Curb, Type 4-B	72	Foot	\$9.44	\$679.68	\$15.00	\$1,080.00	\$30.00	\$2,160.00	\$35.00	\$2,520.00
46	621E00100	RPM	30	Each	\$67.25	\$2,017.50	\$84.50	\$2,535.00	\$74.00	\$2,220.00	\$87.50	\$2,625.00
47	626E00100	Barrier Reflector	12	Each	\$7.15	\$85.80	\$6.87	\$82.44	\$5.80	\$69.60	\$7.00	\$84.00
48	630E02100	Ground Mounted Support, No. 2 Post	40	Foot	\$10.07	\$402.80	\$9.00	\$360.00	\$9.00	\$360.00	\$8.00	\$320.00
49	630E04100	Ground Mounted Support, No. 4 Post	64	Foot	\$10.13	\$648.32	\$11.50	\$736.00	\$11.50	\$736.00	\$12.50	\$800.00
50	630E06100	Ground Mounted Support, No. 6 Post	41	Foot	\$12.52	\$513.32	\$14.00	\$574.00	\$14.00	\$574.00	\$15.50	\$635.50
51	630E08600	Sign Post Reflector	1	Cu Yd	\$40.34	\$40.34	\$35.00	\$35.00	\$35.00	\$35.00	\$30.00	\$30.00
52	630E80100	Sign, Flat Sheet	11	Sq Ft	\$21.62	\$237.82	\$30.00	\$330.00	\$30.00	\$330.00	\$15.50	\$170.50
53	630E84900	Removal of Ground Mounted Sign and Disposal	6	Each	\$13.95	\$83.70	\$15.00	\$90.00	\$15.00	\$90.00	\$25.00	\$150.00
54	630E85100	Removal of Ground Mounted Sign and Reerection	11	Each	\$52.94	\$582.34	\$53.20	\$585.20	\$25.00	\$275.00	\$45.00	\$495.00
55	630E86002	Removal of Ground Mounted Post Support and Disposal	11	Each	\$13.70	\$150.70	\$14.72	\$161.92	\$25.00	\$275.00	\$10.00	\$110.00
56	642E00090	Edge Line, 4"	0.37	Mile	\$1,500.00	\$555.00	\$4,000.00	\$1,480.00	\$4,000.00	\$1,480.00	\$3,000.00	\$1,110.00
57	642E00290	Center Line	0.18	Mile	\$2,400.00	\$432.00	\$4,000.00	\$720.00	\$4,000.00	\$720.00	\$5,000.00	\$900.00



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Item No.	Spec. No.	Item Description	Quantity	Unit	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
58	644E00500	Stop Line	15	Foot	\$13.27	\$199.05	\$30.00	\$450.00	\$30.00	\$450.00	\$40.00	\$600.00
60	410E12000	Traffic Compacted Surface, Type A or B	10	Cu Yd	\$44.05	\$440.50	\$45.24	\$452.40	\$100.00	\$1,000.00	\$50.00	\$500.00
61	614E12338	Work Zone Impact Attenuator (Bidirectional)	2	Each	\$2,038.61	\$4,077.22	\$2,150.00	\$4,300.00	\$1,885.00	\$3,770.00	\$2,500.00	\$5,000.00
62	614E12420	Detour Signing	1	Lump	\$7,500.00	\$7,500.00	\$4,895.00	\$4,895.00	\$4,895.00	\$4,895.00	\$5,000.00	\$5,000.00
63	614E13300	Barrier Reflector, Type B	4	Each	\$5.00	\$20.00	\$10.00	\$40.00	\$5.50	\$22.00	\$6.00	\$24.00
64	614E13360	Object Marker, Two Way	4	Each	\$14.70	\$58.80	\$20.00	\$80.00	\$12.00	\$48.00	\$13.00	\$52.00
65	614E21000	Work Zone Center Line, Class I	0.13	Mile	\$8,000.00	\$1,040.00	\$5,500.00	\$715.00	\$5,500.00	\$715.00	\$19,000.00	\$2,470.00
66	614E22000	Work Zone Edge Line, Class I	0.27	Mile	\$7,119.59	\$1,922.29	\$5,500.00	\$1,485.00	\$5,500.00	\$1,485.00	\$6,000.00	\$1,620.00
67	615E10000	Roads for Maintaining Traffic, Class B	1	Lump	\$5,000.00	\$5,000.00	\$45,000.00	\$45,000.00	\$6,500.00	\$6,500.00	\$3,000.00	\$3,000.00
68	615E25000	Pavement for Maintaining Traffic, Class B	209	Sq Yd	\$79.40	\$16,594.60	\$47.50	\$9,927.50	\$70.00	\$14,630.00	\$100.00	\$20,900.00
69	616E10000	Water	6	MGal	\$19.87	\$119.22	\$31.00	\$186.00	\$10.00	\$60.00	\$1.00	\$6.00
70	622E41000	Portable Barrier, 32"	150	Foot	\$15.00	\$2,250.00	\$60.00	\$9,000.00	\$22.00	\$3,300.00	\$30.00	\$4,500.00
71	202E11203	Portions of Structures Removed, Over 20 Foot Span, As Per Plan, Steel Truss Bridge Removed for Storage	1	Lump	\$365,000.00	\$365,000.00	\$222,406.00	\$222,406.00	\$250,000.00	\$250,000.00	\$500,000.00	\$500,000.00
72	4241E10000	Fine Graded Polymner Asphalt Surface Course, Type A	36	Cu Yd	\$192.40	\$6,926.40	\$395.00	\$14,220.00	\$395.00	\$14,220.00	\$395.00	\$14,220.00
73	503E11100	Cofferdams and Excavation Bracing	1	Lump	\$47,000.00	\$47,000.00	\$40,578.00	\$40,578.00	\$18,000.00	\$18,000.00	\$50,000.00	\$50,000.00
74	503E21300	Unclassified Excavation	1	Lump	\$10,000.00	\$10,000.00	\$49,000.00	\$49,000.00	\$60,000.00	\$60,000.00	\$100,000.00	\$100,000.00
75	509E10000	Epoxy Coated Reinforcing Steel	84775	Pound	\$0.97	\$82,231.75	\$1.05	\$89,013.75	\$1.00	\$84,775.00	\$1.00	\$84,775.00
76	510E10000	Dowel Holes with Nonshrink, Nonmetallic Grout	52	Each	\$20.01	\$1,040.52	\$21.58	\$1,122.16	\$20.00	\$1,040.00	\$30.00	\$1,560.00
77	511E34444	Class QC2 Concrete, Bridge Deck	34	Cu Yd	\$491.41	\$16,707.94	\$1,925.00	\$65,450.00	\$850.00	\$28,900.00	\$1,200.00	\$40,800.00
78	511E41011	Class QC1 Concrete, Pier Above Footings, As Per Plan	145	Cu Yd	\$750.00	\$108,750.00	\$835.00	\$121,075.00	\$700.00	\$101,500.00	\$700.00	\$101,500.00
79	511E44111	Class QC1 Concrete, Abutment Not Including Footing, As Per Plan	492	Cu Yd	\$525.00	\$258,300.00	\$441.00	\$216,972.00	\$475.00	\$233,700.00	\$300.00	\$147,600.00
80	511E46510	Class QC1 Concrete, Footing	182	Cu Yd	\$325.50	\$59,241.00	\$536.00	\$97,552.00	\$300.00	\$54,600.00	\$300.00	\$54,600.00
81	512E10100	Sealing of Concrete Surfaces (Epoxy-Urethane)	509	Sq Yd	\$17.51	\$8,912.59	\$24.82	\$12,633.38	\$18.00	\$9,162.00	\$18.00	\$9,162.00
82	513E10220	Structural Steel Members, Level 1	21847	Pound	\$1.52	\$33,207.44	\$2.08	\$45,441.76	\$4.40	\$96,126.80	\$3.00	\$65,541.00
83	514E27700	Field Painting, Misc.: Staining of Siding and Trim	6191	Sq Ft	\$4.25	\$26,311.75	\$5.00	\$30,955.00	\$3.00	\$18,573.00	\$3.00	\$18,573.00
84	514E80010	Shop Painting and Field Touch-Up of Structural Steel	21847	Pound	\$0.50	\$10,923.50	\$0.39	\$8,520.33	\$2.00	\$43,694.00	\$2.00	\$43,694.00
85	516E44101	Elastomeric Bearing with Internal Laminates and Load Plate (Neoprene), As Per Plan	10	Each	\$1,010.06	\$10,100.60	\$907.00	\$9,070.00	\$750.00	\$7,500.00	\$1,500.00	\$15,000.00



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Item No.	Spec. No.	Item Description	Quantity	Unit	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
86	517E74001	Railing, Timber, As Per Plan	76	Feet	\$250.00	\$19,000.00	\$195.00	\$14,820.00	\$159.50	\$12,122.00	\$75.00	\$5,700.00
87	518E21200	Porous Backfill with Filter Fabric	144	Cu Yd	\$71.47	\$10,291.68	\$67.00	\$9,648.00	\$70.00	\$10,080.00	\$75.00	\$10,800.00
88	518E40000	6" Perforated Corrugated Plastic Pipe	136	Foot	\$8.04	\$1,093.44	\$7.83	\$1,064.88	\$15.00	\$2,040.00	\$10.00	\$1,360.00
89	518E40010	6" Non-Perforated Corrugated Plastic Pipe, Including Specials	130	Foot	\$10.72	\$1,393.60	\$10.50	\$1,365.00	\$15.00	\$1,950.00	\$13.00	\$1,690.00
90	524E94704	Drilled Shafts, 36" Diameter, Into Bedrock	433	Foot	\$1,150.00	\$497,950.00	\$201.53	\$87,262.49	\$235.00	\$101,755.00	\$250.00	\$108,250.00
91	526E25001	Reinforced Concrete Approach Slabs (T=15"), As Per Plan	166	Sq Yd	\$197.16	\$32,728.56	\$227.00	\$37,682.00	\$175.00	\$29,050.00	\$175.00	\$29,050.00
92	530E00200	Special - Structure, Misc.: Bearing Blocks	1	Lump	\$5,000.00	\$5,000.00	\$14,000.00	\$14,000.00	\$13,000.00	\$13,000.00	\$1,000.00	\$1,000.00
93	530E00200	Special - Structure, Misc.: Hardware	1	Lump	\$50,000.00	\$50,000.00	\$82,885.00	\$82,885.00	\$100,000.00	\$100,000.00	\$75,000.00	\$75,000.00
94	530E00300	Special - Structure, Misc.: Plates, Rods and Assemblies	81516	Pound	\$1.90	\$154,880.40	\$5.85	\$476,868.60	\$3.50	\$285,306.00	\$6.00	\$489,096.00
95	530E00600	Special - Structure, Misc.: Stamped Metal Roof	9700	Sq Ft	\$8.50	\$82,450.00	\$8.00	\$77,600.00	\$11.00	\$106,700.00	\$10.00	\$97,000.00
96	530E00600	Special - Structure, Misc.: Tongue and Groove Siding and Trim	6191	Sq Ft	\$4.50	\$27,859.50	\$12.64	\$78,254.24	\$14.00	\$86,674.00	\$8.00	\$49,528.00
97	530E10700	Special - Structure, Misc.: Pratt Trusses, Glulam	57.55	MFBM	\$5,500.00	\$316,525.00	\$6,119.00	\$352,148.45	\$7,000.00	\$402,850.00	\$9,000.00	\$517,950.00
98	530E10700	Special - Structure, Misc.: Floor System, Glulam	64.2	MFBM	\$5,000.00	\$321,000.00	\$5,601.00	\$359,584.20	\$6,900.00	\$442,980.00	\$8,000.00	\$513,600.00
99	530E10700	Special - Structure, Misc.: Roof System, Glulam	16.78	MFBM	\$5,000.00	\$83,900.00	\$5,272.00	\$88,464.16	\$11,000.00	\$184,580.00	\$10,000.00	\$167,800.00
100	530E10700	Special - Structure, Misc.: Pratt Trusses, Misc.	5.32	MFBM	\$8,750.00	\$46,550.00	\$6,119.00	\$32,553.08	\$13,000.00	\$69,160.00	\$5,000.00	\$26,600.00
101	530E10700	Special - Structure, Misc.: Floor System Misc.	1.92	MFBM	\$4,750.00	\$9,120.00	\$6,207.00	\$11,917.44	\$15,000.00	\$28,800.00	\$3,000.00	\$5,760.00
102	530E10700	Special - Structure, Misc.: Roof System, Misc.	5.8	MFBM	\$5,500.00	\$31,900.00	\$6,207.00	\$36,000.60	\$6,500.00	\$37,700.00	\$7,000.00	\$40,600.00
103	530E10700	Special - Structure, Misc.: Glulam Fascia Beam	0.44	MFBM	\$6,500.00	\$2,860.00	\$6,900.00	\$3,036.00	\$13,000.00	\$5,720.00	\$15,000.00	\$6,600.00
104	630E97700	Signing, Misc. Custom Bridge Marker	2	Each	\$890.87	\$1,781.74	\$4,200.00	\$8,400.00	\$4,000.00	\$8,000.00	\$1,000.00	\$2,000.00
105	614E11000	Maintaining Traffic	1	Lump	\$20,000.00	\$20,000.00	\$49,853.00	\$49,853.00	\$16,000.00	\$16,000.00	\$10,000.00	\$10,000.00
106	619E16010	Field Office, Type B	8	Month	\$1,206.36	\$9,650.88	\$800.00	\$6,400.00	\$1,600.00	\$12,800.00	\$1,200.00	\$9,600.00
107	623E10000	Construction Layout Stakes	1	Lump	\$18,000.00	\$18,000.00	\$12,742.00	\$12,742.00	\$14,000.00	\$14,000.00	\$10,000.00	\$10,000.00
108	624E10000	Mobilization	1	Lump	\$50,000.00	\$50,000.00	\$52,501.00	\$52,501.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00
		TOTAL AMOUNT BID			Total for Bridge:	\$3,116,877.83	Total for Bridge:	\$3,226,954.57	Total for Bridge:	\$3,366,735.60	Total for Bridge:	\$3,791,740.20