

**Tuscarora Township
Indian River Boat Launch
GFA Project No. 07004**

Molon Exc. J.E. Kloote Tri-County Cordes Exc. Rivertown Cont. Anlaan Corp.

No.	Item	Est Qty	Unit	Unit Price	Item Cost	Unit Price	Item Cost	Unit Price	Item Cost	Unit Price	Item Cost	Unit Price	Item Cost	Unit Price	Item Costs	Amended Unit Prices	Amended Item Costs
1	Mobilization (\$7,500 maximum)	LS	1	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$8,000.00	\$8,000.00	\$7,500.00	\$7,500.00		\$7,500.00
2	Shore Demolition	LS	1	\$8,786.00	\$8,786.00	\$7,500.00	\$7,500.00	\$9,000.00	\$9,000.00	\$20,000.00	\$20,000.00	\$5,000.00	\$5,000.00	\$35,000.00	\$35,000.00		\$35,000.00
3	PZ 22 Steel Sheet Pile Wall (500 lf)	SF	10,500	\$14.32	\$150,360.00	\$16.00	\$168,000.00	\$15.92	\$167,160.00	\$26.00	\$273,000.00	\$27.00	\$283,500.00	\$5.00	\$52,500.00		\$52,500.00
4	Temporary Cofferdam	LS	1	\$124,747.00	\$124,747.00	\$48,000.00	\$48,000.00	\$131,000.00	\$131,000.00	\$30,000.00	\$30,000.00	\$50,000.00	\$50,000.00	\$45,000.00	\$45,000.00		\$45,000.00
5	Boat Launch Grading	LS	1	\$18,204.00	\$18,204.00	\$36,500.00	\$36,500.00	\$20,000.00	\$20,000.00	\$22,000.00	\$22,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00		\$25,000.00
6	Boat Launch Ramp Concrete	LS	1	\$14,172.00	\$14,172.00	\$28,000.00	\$28,000.00	\$15,000.00	\$15,000.00	\$35,000.00	\$35,000.00	\$16,000.00	\$16,000.00	\$65,000.00	\$65,000.00		\$65,000.00
7	Boat Launch Ramp Bedding	SY	350	\$12.79	\$4,476.50	\$28.00	\$9,800.00	\$14.00	\$4,900.00	\$15.00	\$5,250.00	\$21.00	\$7,350.00	\$25.00	\$8,750.00		\$8,750.00
8	Boat Launch Skid Pier	LS	1	\$8,677.00	\$8,677.00	\$11,000.00	\$11,000.00	\$13,000.00	\$13,000.00	\$8,000.00	\$8,000.00	\$12,000.00	\$12,000.00	\$55,000.00	\$55,000.00		\$55,000.00
9	Stone Rip Rap	SY	200	\$36.80	\$7,360.00	\$25.00	\$5,000.00	\$40.00	\$8,000.00	\$40.00	\$8,000.00	\$25.00	\$5,000.00	\$35.00	\$7,000.00		\$7,000.00
10	Site Grading	LS	1	\$39,198.00	\$39,198.00	\$86,000.00	\$86,000.00	\$57,000.00	\$57,000.00	\$50,000.00	\$50,000.00	\$38,000.00	\$38,000.00	\$175,000.00	\$175,000.00	\$180,000.00	\$180,000.00
11	23A Aggregate Wear Course (2" depth)	TON	500	\$16.64	\$8,320.00	\$9.70	\$4,850.00	\$11.00	\$5,500.00	\$12.00	\$6,000.00	\$10.50	\$5,250.00	\$9.70	\$4,850.00	\$16.96	\$8,480.00
12	21AA Aggregate Base (12" depth)	TON	3,500	\$11.52	\$40,320.00	\$9.45	\$33,075.00	\$11.00	\$38,500.00	\$10.50	\$36,750.00	\$10.00	\$35,000.00	\$9.45	\$33,075.00	\$8.64	\$30,240.00
13	1" - 3" Crushed Stone (10" depth)	TON	3,250	\$14.03	\$45,597.50	\$11.00	\$35,750.00	\$12.50	\$40,625.00	\$12.00	\$39,000.00	\$14.50	\$47,125.00	\$11.00	\$35,750.00	\$12.16	\$39,520.00
14	Geotextile Fabric	SY	5,000	\$0.97	\$4,850.00	\$1.21	\$6,050.00	\$0.90	\$4,500.00	\$1.30	\$6,500.00	\$1.05	\$5,250.00	\$1.21	\$6,050.00	\$0.99	\$4,950.00
15	Geogrid Reinforcement	SY	5,000	\$3.53	\$17,650.00	\$4.20	\$21,000.00	\$3.70	\$18,500.00	\$4.23	\$21,150.00	\$5.50	\$27,500.00	\$4.20	\$21,000.00	\$4.06	\$20,300.00
16	Concrete Curb & Gutter, MDOT E2 Concrete Sidewalk & Barrier Free Ramp	LF	225	\$23.27	\$5,235.75	\$15.30	\$3,442.50	\$20.00	\$4,500.00	\$23.00	\$5,175.00	\$23.00	\$5,175.00	\$15.30	\$3,442.50	\$21.00	\$4,725.00
17	Vault Toilet	EA	2	\$4,703.00	\$9,406.00	\$6,500.00	\$13,000.00	\$11,000.00	\$22,000.00	\$7,000.00	\$14,000.00	\$7,600.00	\$15,200.00	\$20,000.00	\$40,000.00	\$5,652.50	\$11,305.00
18	Afton Stone Path	SY	250	\$9.64	\$2,410.00	\$12.00	\$3,000.00	\$7.00	\$1,750.00	\$11.00	\$2,750.00	\$13.00	\$3,250.00	\$12.00	\$3,000.00	\$9.94	\$2,485.00
19	6" Underdrain	LF	1,200	\$2.87	\$3,444.00	\$4.35	\$5,220.00	\$3.38	\$4,056.00	\$4.00	\$4,800.00	\$7.50	\$9,000.00	\$4.35	\$5,220.00	\$4.95	\$5,940.00
20	2' Wide French Drain	LF	450	\$8.34	\$3,753.00	\$9.80	\$4,410.00	\$8.00	\$3,600.00	\$10.00	\$4,500.00	\$14.00	\$6,300.00	\$9.80	\$4,410.00	\$6.56	\$2,952.00
21	Topsoil, Seed, Mulch & Fertilize	SY	4,500	\$0.81	\$3,645.00	\$1.50	\$6,750.00	\$2.00	\$9,000.00	\$2.70	\$12,150.00	\$1.50	\$6,750.00	\$1.48	\$6,660.00	\$1.14	\$5,130.00
22	Silt Fence	LF	750	\$1.56	\$1,170.00	\$2.00	\$1,500.00	\$1.50	\$1,125.00	\$2.00	\$1,500.00	\$1.50	\$1,125.00	\$1.90	\$1,425.00	\$1.20	\$900.00
23	Mulch Blanket	SY	500	\$1.15	\$575.00	\$1.50	\$750.00	\$0.90	\$450.00	\$1.10	\$550.00	\$1.50	\$750.00	\$1.27	\$635.00	\$2.13	\$1,065.00
24	Site Signage	LS	1	2,602.00	\$2,602.00	1,815.00	\$1,815.00	1,000.00	\$1,000.00	1,500.00	\$1,500.00	\$1,200.00	\$1,200.00	5,000.00	\$5,000.00		\$5,000.00
				\$533,083.75		\$548,942.50		\$588,466.00		\$616,275.00		\$619,725.00		\$647,297.50		\$625,068.00	
				as submitted \$533,075.00				as submitted * \$588,556.00									

Meridian Contr. Anglin Civil Const. Harbor Springs Exc. J & N Const. King Co.

No.	Item	Est Qty	Unit	Unit Price	Item Cost	Unit Price	Item Cost	Unit Price	Item Cost	Unit Price	Item Cost	Amended Unit Prices	Amended Item Costs	Unit Price	Item Cost
1	Mobilization (\$7,500 maximum)	LS	1	\$7,500.00	\$7,500.00	\$7,475.00	\$7,475.00	\$4,446.43	\$4,446.43	\$7,500.00	\$7,500.00		\$7,500.00	\$7,500.00	\$7,500.00
2	Shore Demolition	LS	1	\$14,000.00	\$14,000.00	\$13,225.00	\$13,225.00	\$9,024.86	\$9,024.86	\$6,968.00	\$6,968.00		\$6,968.00	\$16,500.00	\$16,500.00
3	PZ 22 Steel Sheet Pile Wall (500 lf)	SF	10,500	\$29.62	\$311,010.00	\$31.82	\$334,110.00	\$25.85	\$271,425.00	\$32.80	\$344,400.00		\$344,400.00	\$34.00	\$357,000.00
4	Temporary Cofferdam	LS	1	\$43,000.00	\$43,000.00	\$25,000.00	\$25,000.00	\$72,198.87	\$72,198.87	\$99,114.00	\$99,114.00	\$94,114.00	\$94,114.00	\$25,000.00	\$25,000.00
5	Boat Launch Grading	LS	1	\$22,000.00	\$22,000.00	\$17,250.00	\$17,250.00	\$22,874.77	\$22,874.77	\$16,541.00	\$16,541.00		\$16,541.00	\$17,600.00	\$17,600.00
6	Boat Launch Ramp Concrete	LS	1	\$32,000.00	\$32,000.00	\$19,550.00	\$19,550.00	\$15,625.25	\$15,625.25	\$13,620.00	\$13,620.00		\$13,620.00	\$35,200.00	\$35,200.00
7	Boat Launch Ramp Bedding	SY	350	\$27.15	\$9,502.50	\$4.95	\$1,732.50	\$10.09	\$3,531.50	\$12.86	\$4,501.00		\$4,501.00	\$62.70	\$21,945.00
8	Boat Launch Skid Pier	LS	1	\$13,000.00	\$13,000.00	\$13,685.00	\$13,685.00	\$12,528.63	\$12,528.63	\$11,197.00	\$11,197.00		\$11,197.00	\$35,000.00	\$35,000.00
9	Stone Rip Rap	SY	200	\$25.00	\$5,000.00	\$5.75	\$1,150.00	\$37.71	\$14,142.00	\$68.35	\$13,670.00		\$13,670.00	\$49.50	\$9,900.00
10	Site Grading	LS	1	\$20,000.00	\$20,000.00	\$1,500.00	\$1,500.00	\$74,730.44	\$74,730.44	\$42,404.00	\$42,404.00		\$42,404.00	\$24,750.00	\$24,750.00
11	23A Aggregate Wear Course (2" depth)	TON	500	\$12.00	\$6,000.00	\$9.20	\$4,600.00	\$15.09	\$7,545.00	\$16.96	\$8,480.00		\$8,480.00	\$34.10	\$17,050.00
12	21AA Aggregate Base (12" depth)	TON	3,500	\$12.00	\$42,000.00	\$9.20	\$32,200.00	\$11.47	\$40,145.00	\$8.64	\$30,240.00		\$30,240.00	\$17.27	\$60,445.00
13	1" - 3" Crushed Stone (10" depth)	TON	3,250	\$13.00	\$42,250.00	\$12.65	\$41,112.50	\$15.14	\$49,205.00	\$12.16	\$39,520.00		\$39,520.00	\$22.88	\$74,360.00
14	Geotextile Fabric	SY	5,000	\$1.40	\$7,000.00	\$1.27	\$6,350.00	\$1.17	\$5,850.00	\$0.99	\$4,950.00		\$4,950.00	\$1.76	\$8,800.00
15	Geogrid Reinforcement	SY	5,000	\$4.00	\$20,000.00	\$3.22	\$16,100.00	\$4.17	\$20,850.00	\$4.06	\$20,300.00		\$20,300.00	\$4.51	\$22,550.00
16	Concrete Curb & Gutter, MDOT E2 Concrete Sidewalk & Barrier Free Ramp	LF	225	\$22.22	\$4,999.50	\$21.85	\$4,916.25	\$23.02	\$5,179.50	\$21.11	\$4,749.75		\$4,749.75	\$24.20	\$5,445.00
17	Vault Toilet	EA	2	\$6,000.00	\$12,000.00	\$8,625.00	\$17,250.00	\$5,868.49	\$11,736.98	\$5,652.50	\$11,305.00		\$11,305.00	\$22,000.00	\$44,000.00
18	Afton Stone Path	SY	250	\$16.00	\$4,000.00	\$14.95	\$3,737.50	\$5.31	\$1,327.50	\$9.94	\$2,485.00		\$2,485.00	\$22.00	\$5,500.00
19	6" Underdrain	LF	1,200	\$3.00	\$3,600.00	\$9.89	\$11,868.00	\$8.70	\$10,440.00	\$4.59	\$5,508.00		\$5,508.00	\$3.30	\$3,960.00
20	2' Wide French Drain	LF	450	\$10.00	\$4,500.00	\$9.20	\$4,140.00	\$10.55	\$4,747.50	\$6.56	\$2,952.00		\$2,952.00	\$8.80	\$3,960.00
21	Topsoil, Seed, Mulch & Fertilize	SY	4,500	\$1.97	\$8,865.00	\$1.79	\$8,055.00	\$2.47	\$11,115.00	\$1.14	\$5,130.00		\$5,130.00	\$2.20	\$9,900.00
22	Silt Fence	LF	750	\$3.00	\$2,250.00	\$2.30	\$1,725.00	\$1.21	\$907.50	\$1.20	\$900.00		\$900.00	\$3.30	\$2,475.00
23	Mulch Blanket	SY	500	\$0.80	\$400.00	\$3.22	\$1,610.00	\$1.02	\$510.00	\$2.13	\$1,065.00		\$1,065.00	\$2.20	\$1,100.00
24	Site Signage	LS	1	\$500.00	\$500.00	\$1,725.00	\$1,725.00	\$4,477.94	\$4,477.94	\$2,053.00	\$2,053.00		\$2,053.00	\$2,200.00	\$2,200.00
				\$636,877.00		\$591,216.75				\$700,878.75		\$695,878.75		\$814,890.00	
						* \$657,208.00				as submitted * \$700,887.00		as submitted * \$695,887.00			