

City of Columbus
 Morse Road 36" Water Main, Part 2
 Contract No. 1059
 CIP No. 690474
 Bid Open Date = 9/24/08

Engineers Estimate

John Eramo & Sons, Inc.
 3670 Lacon Rd., Hilliard, Oh 43026

Item No.	Spec. No.	Description	Unit	Cont. Quan.	Qty.	Unit Cost	Total Cost	John Eramo & Sons, Inc.		TOTAL UNIT PRICE	TOTAL AMT.
								MATERIAL	LABOR		
1	201	Clearing & Grubbing	LS	1	1	\$10,000	\$10,000			\$4,200.00	\$4,200.00
2	201	Tree to be Removed, 15-inch size	EA		22	\$580	\$12,760			\$220.00	\$4,840.00
3	201	Tree to be Removed, 30-inch size	EA		5	\$750	\$3,750			\$1,550.00	\$7,750.00
4	202	Wood Plank Fence, Removed & Replaced	LF		160	\$25	\$4,000			\$12.40	\$1,984.00
5	202	3" Box Wire Fence, Removed & Replaced	LF		620	\$20	\$12,400			\$8.00	\$4,960.00
6	207	Sediment and Erosion Control	LS	1	1	\$20,000	\$20,000			\$8,800.00	\$8,800.00
7	252	Driveway Pavement Replacement Type IIIA - Residential	CY		1	\$200	\$200			\$700.00	\$700.00
8	252	Driveway Pavement Replacement Type IIIC - Residential	CY		14	\$100	\$1,400			\$62.00	\$868.00
9	252	Permanent Pavement Replacement, Type I	CY		55	\$500	\$27,500			\$560.00	\$30,800.00
10	253	Temporary Pavement Replacement	SY		219	\$20	\$4,380			\$7.00	\$1,533.00
11	614	Maintaining Traffic	LS	1	1	\$95,000	\$95,000			\$11,456.00	\$11,456.00
12	659	Seeding & Mulching	SY		21,251	\$2.00	\$42,502			\$1.00	\$21,251.00
13	801	6-inch Water Pipe & Fittings	LF		130	\$130	\$16,900			\$48.25	\$6,272.50
14	801	8-inch Water Pipe & Fittings	LF		90	\$200	\$18,000			\$84.11	\$7,569.90
15	801	36-inch Water Pipe & Fittings	LF		9,824	\$290	\$2,848,960			\$192.00	\$1,886,208.00
16	801*	Fittings, Increase or Decrease	LB	17,000	17,000	\$5	\$85,000			\$0.50	\$8,500.00
17	801*	Concrete Blocking, Class C, Incr./Decr.	CY	250	250	\$100	\$25,000			\$25.00	\$6,250.00
18	802	6-inch Gate Valve & Appurtenances	EA		26	\$900	\$23,400			\$748.00	\$19,448.00
19	802	8-inch Gate Valve & Appurtenances	EA		1	\$1,200	\$1,200			\$1,026.00	\$1,026.00
20	802	36-inch Butterfly Valves & Appurtenances	EA		6	\$19,000	\$114,000			\$16,440.00	\$98,640.00
21	805	2-inch Pitometer Installation	EA		1	\$1,500	\$1,500			\$725.00	\$725.00
22	809	Fire Hydrant, Delivered	EA		26	\$2,000	\$52,000			\$2,040.00	\$53,040.00
23	811	Increase or Decrease in Excavation or Backfill	CY	30	30	\$30	\$900			\$25.00	\$750.00
24	812	1-1/2 inch Air Release Valve	EA		6	\$1,500	\$9,000			\$1,125.00	\$6,750.00
25	813*	Rock Excavation	CY	100	100	\$75	\$7,500			\$50.00	\$5,000.00
26	815	Crushed Stone or Gravel	CY		11	\$40	\$440			\$50.00	\$550.00
27	919	Watercourse Erosion Protection	CY		23	\$60	\$1,380			\$100.00	\$2,300.00
28	SPEC.	Swisher Creek Restoration, Per Supplemental Specification SS-1	LS		1	\$10,000	\$10,000			\$1,500.00	\$1,500.00
29	SPEC.	Remove & Reset Electronic Gate Opener	EA		1	\$2,500	\$2,500			\$3,000.00	\$3,000.00
30	SPEC.	Temporary Fence, Per Notes Sheet 13	LF		740	\$20	\$14,800			\$13.00	\$9,620.00
31	SPEC.	Remove & Reset 4 Board White Oak Fence, Per Notes Sheet 13	LF		740	\$60	\$44,400			\$18.34	\$13,571.60
32	SPEC.	Project Identification Signs, As Per Plan	LS	1	1	\$2,500	\$2,500			\$1,545.00	\$1,545.00
33	SPEC.	Waterline Monuments, Per SCD L-7101	EA		4	\$700	\$2,800			\$300.00	\$1,200.00
34	SPEC.	Survey Coordinates	LS	1	1	\$15,000	\$15,000			\$4,000.00	\$4,000.00
35	SPEC.*	Evergreen Tree, 5'-6" Tall, Norway Spruce	EA	2	2	\$400	\$800			\$309.00	\$618.00
36	SPEC.*	Deciduous Tree, 2"-2-1/2" Caliper, London Plane Tree or Red Maple	EA	6	6	\$650	\$3,900			\$360.50	\$2,163.00
							Subtotal	\$3,535,772			\$2,239,389.00
							10% Force Account	\$353,577			\$223,938.90
							TOTAL PROJECT COSTS	\$3,889,349			\$2,463,327.90
							% DIFFERENCE FROM ENGINEER'S ESTIMATE				-36.66%
							Bond Amount (Page P-32)				\$250,000.00
							Bonding Company (Page P-32)				Merchants Bonding Co.
							Proposal Bond Amount Required				\$246,332.79
							Contract Compliance No. (Page P-2d)				31-0724866 (exp. 4/8/10, Maj)
							Non-Collusion Affidavit Completed? (Page P-31)				Yes
							Local Vendor? (Page P-9)				Yes
							(2) Addendum Acknowledgement Completed? (Pg P-3)				Yes
							Proposal Affidavit Completed? (Page P-36)				Yes

sht 8-8"plug & thrust block, 36"x8" tee, CDF, CGB

City of Columbus
Morse Road 36" Water Main, Part 2
Contract No. 1059
CIP No. 690474
Bid Open Date = 9/24/08

Engineers Estimate

Stover & Turner Excavating, Inc.
7500 Industrial Pkwy., Plain City, Oh 43064

Item No.	Spec. No.	Description	Unit	Cont. Quan.	Qty.	Unit Cost	Total Cost	Stover & Turner Excavating, Inc.			
								MATERIAL	LABOR	TOTAL UNIT PRICE	TOTAL AMT.
1	201	Clearing & Grubbing	LS	1	1	\$10,000	\$10,000	\$26,028.91	\$11,155.25	\$37,184.16	\$37,184.16
2	201	Tree to be Removed, 15-inch size	EA		22	\$580	\$12,760	\$70.70	\$30.30	\$101.00	\$2,222.00
3	201	Tree to be Removed, 30-inch size	EA		5	\$750	\$3,750	\$212.10	\$90.90	\$303.00	\$1,515.00
4	202	Wood Plank Fence, Removed & Replaced	LF		160	\$25	\$4,000	\$29.30	\$12.56	\$41.86	\$6,697.60
5	202	3" Box Wire Fence, Removed & Replaced	LF		620	\$20	\$12,400	\$10.54	\$4.52	\$15.06	\$9,337.20
6	207	Sediment and Erosion Control	LS	1	1	\$20,000	\$20,000	\$3,535.18	\$1,515.08	\$5,050.26	\$5,050.26
7	252	Driveway Pavement Replacement Type IIIA - Residential	CY		1	\$200	\$200	\$452.52	\$193.94	\$646.46	\$646.46
8	252	Driveway Pavement Replacement Type IIIC - Residential	CY		14	\$100	\$1,400	\$38.85	\$16.65	\$55.50	\$777.00
9	252	Permanent Pavement Replacement, Type I	CY		55	\$500	\$27,500	\$332.33	\$142.43	\$474.76	\$26,111.80
10	253	Temporary Pavement Replacement	SY		219	\$20	\$4,380	\$20.34	\$8.72	\$29.06	\$6,364.14
11	614	Maintaining Traffic	LS	1	1	\$95,000	\$95,000	\$4,701.80	\$2,015.08	\$6,716.88	\$6,716.88
12	659	Seeding & Mulching	SY		21,251	\$2.00	\$42,502	\$0.43	\$0.18	\$0.61	\$12,963.11
13	801	6-inch Water Pipe & Fittings	LF		130	\$130	\$16,900	\$34.09	\$14.61	\$48.70	\$6,331.00
14	801	8-inch Water Pipe & Fittings	LF		90	\$200	\$18,000	\$86.00	\$36.86	\$122.86	\$11,057.40
15	801	36-inch Water Pipe & Fittings	LF		9,824	\$290	\$2,848,960	\$128.77	\$55.19	\$183.96	\$1,807,223.04
16	801*	Fittings, Increase or Decrease	LB	17,000	17,000	\$5	\$85,000	\$0.04	\$0.02	\$0.06	\$1,020.00
17	801*	Concrete Blocking, Class C, Incr./Decr.	CY	250	250	\$100	\$25,000	\$86.07	\$36.89	\$122.96	\$30,740.00
18	802	6-inch Gate Valve & Appurtenances	EA		26	\$900	\$23,400	\$595.04	\$255.02	\$850.06	\$22,101.56
19	802	8-inch Gate Valve & Appurtenances	EA		1	\$1,200	\$1,200	\$768.95	\$329.55	\$1,098.50	\$1,098.50
20	802	36-inch Butterfly Valves & Appurtenances	EA		6	\$19,000	\$114,000	\$13,461.07	\$5,769.03	\$19,230.10	\$115,380.60
21	805	2-inch Pitometer Installation	EA		1	\$1,500	\$1,500	\$950.60	\$407.40	\$1,358.00	\$1,358.00
22	809	Fire Hydrant, Delivered	EA		26	\$2,000	\$52,000	\$1,625.93	\$696.83	\$2,322.76	\$60,391.76
23	811	Increase or Decrease in Excavation or Backfill	CY	30	30	\$30	\$900	\$3.08	\$1.32	\$4.40	\$132.00
24	812	1-1/2 inch Air Release Valve	EA		6	\$1,500	\$9,000	\$726.85	\$311.51	\$1,038.36	\$6,230.16
25	813*	Rock Excavation	CY	100	100	\$75	\$7,500	\$153.69	\$65.87	\$219.56	\$21,956.00
26	815	Crushed Stone or Gravel	CY		11	\$40	\$440	\$23.70	\$10.16	\$33.86	\$372.46
27	919	Watercourse Erosion Protection	CY		23	\$60	\$1,380	\$45.19	\$19.37	\$64.56	\$1,484.88
28	SPEC.	Swisher Creek Restoration, Per Supplemental Specification SS-1	LS		1	\$10,000	\$10,000	\$1,767.61	\$757.55	\$2,525.16	\$2,525.16
29	SPEC.	Remove & Reset Electronic Gate Opener	EA		1	\$2,500	\$2,500	\$5,822.46	\$2,495.34	\$8,317.80	\$8,317.80
30	SPEC.	Temporary Fence, Per Notes Sheet 13	LF		740	\$20	\$14,800	\$8.58	\$3.68	\$12.26	\$9,072.40
31	SPEC.	Remove & Reset 4 Board White Oak Fence, Per Notes Sheet 13	LF		740	\$60	\$44,400	\$39.10	\$16.76	\$55.86	\$41,336.40
32	SPEC.	Project Identification Signs, As Per Plan	LS	1	1	\$2,500	\$2,500	\$1,060.57	\$454.53	\$1,515.10	\$1,515.10
33	SPEC.	Waterline Monuments, Per SCD L-7101	EA		4	\$700	\$2,800	\$212.10	\$90.90	\$303.00	\$1,212.00
34	SPEC.	Survey Coordinates	LS	1	1	\$15,000	\$15,000	\$2,121.11	\$909.05	\$3,030.16	\$3,030.16
35	SPEC.*	Evergreen Tree, 5'-6' Tall, Norway Spruce	EA	2	2	\$400	\$800	\$120.19	\$51.51	\$171.70	\$343.40
36	SPEC.*	Deciduous Tree, 2"-2-1/2" Caliper, London Plane Tree or Red Maple	EA	6	6	\$650	\$3,900	\$215.64	\$92.42	\$308.06	\$1,848.36
Subtotal							\$3,535,772				\$2,271,663.75
10% Force Account							\$353,577				\$227,166.38
TOTAL PROJECT COSTS							\$3,889,349				\$2,498,830.13
% DIFFERENCE FROM ENGINEER'S ESTIMATE											-35.75%
Bond Amount (Page P-32)											\$249,850.10
Bonding Company (Page P-32)											Western Surety Co.
Proposal Bond Amount Required											\$249,883.01
Contract Compliance No. (Page P-2d)											20-5075542 (exp. 1/31/09, Maj.)
Non-Collusion Affidavit Completed? (Page P-31)											Yes
Local Vendor? (Page P-9)											Yes???
(2) Addendum Acknowledgement Completed? (Pg P-3)											Yes
Proposal Affidavit Completed? (Page P-36)											Yes

sht 8-8"plug & thrust block, 36"x8" tee, CDF, CGB

fixed math errors

City of Columbus
Morse Road 36" Water Main, Part 2
Contract No. 1059
CIP No. 690474
Bid Open Date = 9/24/08

Engineers Estimate							Elite Excavating Co. of Ohio, Inc. 4500 Snodgrass Rd., Mansfield, Oh 44903				
Item No.	Spec. No.	Description	Unit	Cont. Quan.	Qty.	Unit Cost	Total Cost	MATERIAL	LABOR	TOTAL UNIT PRICE	TOTAL AMT.
1	201	Clearing & Grubbing	LS	1	1	\$10,000	\$10,000	\$12,000.00	\$8,000.00	\$20,000.00	\$20,000.00
2	201	Tree to be Removed, 15-inch size	EA		22	\$580	\$12,760	\$500.00	\$300.00	\$800.00	\$17,600.00
3	201	Tree to be Removed, 30-inch size	EA		5	\$750	\$3,750	\$800.00	\$500.00	\$1,300.00	\$6,500.00
4	202	Wood Plank Fence, Removed & Replaced	LF		160	\$25	\$4,000	\$25.00	\$5.00	\$30.00	\$4,800.00
5	202	3" Box Wire Fence, Removed & Replaced	LF		620	\$20	\$12,400	\$9.00	\$6.00	\$15.00	\$9,300.00
6	207	Sediment and Erosion Control	LS	1	1	\$20,000	\$20,000	\$3,000.00	\$2,000.00	\$5,000.00	\$5,000.00
7	252	Driveway Pavement Replacement Type IIIA - Residential	CY		1	\$200	\$200	\$385.00	\$255.00	\$640.00	\$640.00
8	252	Driveway Pavement Replacement Type IIIC - Residential	CY		14	\$100	\$1,400	\$18.00	\$12.00	\$30.00	\$420.00
9	252	Permanent Pavement Replacement, Type I	CY		55	\$500	\$27,500	\$280.00	\$190.00	\$470.00	\$25,850.00
10	253	Temporary Pavement Replacement	SY		219	\$20	\$4,380	\$18.00	\$12.00	\$30.00	\$6,570.00
11	614	Maintaining Traffic	LS	1	1	\$95,000	\$95,000	\$12,000.00	\$8,000.00	\$20,000.00	\$20,000.00
12	659	Seeding & Mulching	SY		21,251	\$2.00	\$42,502	\$1.20	\$0.80	\$2.00	\$42,502.00
13	801	6-inch Water Pipe & Fittings	LF		130	\$130	\$16,900	\$42.00	\$28.00	\$70.00	\$9,100.00
14	801	8-inch Water Pipe & Fittings	LF		90	\$200	\$18,000	\$48.00	\$32.00	\$80.00	\$7,200.00
15	801	36-inch Water Pipe & Fittings	LF		9,824	\$290	\$2,848,960	\$122.75	\$81.85	\$204.60	\$2,009,990.40
16	801*	Fittings, Increase or Decrease	LB	17,000	17,000	\$5	\$85,000	\$0.60	\$0.40	\$1.00	\$17,000.00
17	801*	Concrete Blocking, Class C, Incr./Decr.	CY	250	250	\$100	\$25,000	\$15.00	\$10.00	\$25.00	\$6,250.00
18	802	6-inch Gate Valve & Appurtenances	EA		26	\$900	\$23,400	\$420.00	\$280.00	\$700.00	\$18,200.00
19	802	8-inch Gate Valve & Appurtenances	EA		1	\$1,200	\$1,200	\$660.00	\$440.00	\$1,100.00	\$1,100.00
20	802	36-inch Butterfly Valves & Appurtenances	EA		6	\$19,000	\$114,000	\$10,800.00	\$7,200.00	\$18,000.00	\$108,000.00
21	805	2-inch Pitometer Installation	EA		1	\$1,500	\$1,500	\$600.00	\$400.00	\$1,000.00	\$1,000.00
22	809	Fire Hydrant, Delivered	EA		26	\$2,000	\$52,000	\$660.00	\$440.00	\$1,100.00	\$28,600.00
23	811	Increase or Decrease in Excavation or Backfill	CY	30	30	\$30	\$900	\$12.00	\$8.00	\$20.00	\$600.00
24	812	1-1/2 inch Air Release Valve	EA		6	\$1,500	\$9,000	\$1,200.00	\$800.00	\$2,000.00	\$12,000.00
25	813*	Rock Excavation	CY	100	100	\$75	\$7,500	\$3.00	\$2.00	\$5.00	\$500.00
26	815	Crushed Stone or Gravel	CY		11	\$40	\$440	\$18.00	\$12.00	\$30.00	\$330.00
27	919	Watercourse Erosion Protection	CY		23	\$60	\$1,380	\$120.00	\$80.00	\$200.00	\$4,600.00
28	SPEC.	Swisher Creek Restoration, Per Supplemental Specification SS-1	LS		1	\$10,000	\$10,000	\$4,500.00	\$3,000.00	\$7,500.00	\$7,500.00
29	SPEC.	Remove & Reset Electronic Gate Opener	EA		1	\$2,500	\$2,500	\$3,900.00	\$2,600.00	\$6,500.00	\$6,500.00
30	SPEC.	Temporary Fence, Per Notes Sheet 13	LF		740	\$20	\$14,800	\$12.00	\$8.00	\$20.00	\$14,800.00
31	SPEC.	Remove & Reset 4 Board White Oak Fence, Per Notes Sheet 13	LF		740	\$60	\$44,400	\$15.00	\$10.00	\$25.00	\$18,500.00
32	SPEC.	Project Identification Signs, As Per Plan	LS	1	1	\$2,500	\$2,500	\$1,200.00	\$800.00	\$2,000.00	\$2,000.00
33	SPEC.	Waterline Monuments, Per SCD L-7101	EA		4	\$700	\$2,800	\$360.00	\$240.00	\$600.00	\$2,400.00
34	SPEC.	Survey Coordinates	LS	1	1	\$15,000	\$15,000	\$4,500.00	\$3,000.00	\$7,500.00	\$7,500.00
35	SPEC.*	Evergreen Tree, 5'-6' Tall, Norway Spruce	EA	2	2	\$400	\$800	\$150.00	\$100.00	\$250.00	\$500.00
36	SPEC.*	Deciduous Tree, 2"-2-1/2" Caliper, London Plane Tree or Red Maple	EA	6	6	\$650	\$3,900	\$240.00	\$160.00	\$400.00	\$2,400.00
Subtotal							\$3,535,772				\$2,445,752.40
10% Force Account							\$353,577				\$244,575.24
TOTAL PROJECT COSTS							\$3,889,349				\$2,690,327.64
% DIFFERENCE FROM ENGINEER'S ESTIMATE											-30.83%
Bond Amount (Page P-32)											\$269,032.76
Bonding Company (Page P-32)											Travelers Casualty & Surety Co.
Proposal Bond Amount Required											\$269,032.76
Contract Compliance No. (Page P-2d)											20-1643186
Non-Collusion Affidavit Completed? (Page P-31)											Yes
Local Vendor? (Page P-9)											No
(2) Addendum Acknowledgement Completed? (Pg P-3)											Yes
Proposal Affidavit Completed? (Page P-36)											Yes

sht 8-8"plug & thrust block, 36"x8" tee, CDF, CGB

City of Columbus
Morse Road 36" Water Main, Part 2
Contract No. 1059
CIP No. 690474
Bid Open Date = 9/24/08

Engineers Estimate							George J. Igel & Co., Inc. 2040 Alum Creek Dr. Columbus, Oh 43207				
Item No.	Spec. No.	Description	Unit	Cont. Quan.	Qty.	Unit Cost	Total Cost	MATERIAL	LABOR	TOTAL UNIT PRICE	TOTAL AMT.
1	201	Clearing & Grubbing	LS	1	1	\$10,000	\$10,000	\$0.00	\$9,991.00	\$9,991.00	\$9,991.00
2	201	Tree to be Removed, 15-inch size	EA		22	\$580	\$12,760	\$0.00	\$250.00	\$250.00	\$5,500.00
3	201	Tree to be Removed, 30-inch size	EA		5	\$750	\$3,750	\$0.00	\$550.00	\$550.00	\$2,750.00
4	202	Wood Plank Fence, Removed & Replaced	LF		160	\$25	\$4,000	\$8.00	\$14.00	\$22.00	\$3,520.00
5	202	3" Box Wire Fence, Removed & Replaced	LF		620	\$20	\$12,400	\$5.00	\$5.00	\$10.00	\$6,200.00
6	207	Sediment and Erosion Control	LS	1	1	\$20,000	\$20,000	\$5,000.00	\$15,000.00	\$20,000.00	\$20,000.00
7	252	Driveway Pavement Replacement Type IIIA - Residential	CY		1	\$200	\$200	\$750.00	\$750.00	\$1,500.00	\$1,500.00
8	252	Driveway Pavement Replacement Type IIIC - Residential	CY		14	\$100	\$1,400	\$20.00	\$20.00	\$40.00	\$560.00
9	252	Permanent Pavement Replacement, Type I	CY		55	\$500	\$27,500	\$250.00	\$250.00	\$500.00	\$27,500.00
10	253	Temporary Pavement Replacement	SY		219	\$20	\$4,380	\$12.00	\$15.00	\$27.00	\$5,913.00
11	614	Maintaining Traffic	LS	1	1	\$95,000	\$95,000	\$0.00	\$25,000.00	\$25,000.00	\$25,000.00
12	659	Seeding & Mulching	SY		21,251	\$2.00	\$42,502	\$0.50	\$0.50	\$1.00	\$21,251.00
13	801	6-inch Water Pipe & Fittings	LF		130	\$130	\$16,900	\$200.00	\$25.00	\$225.00	\$29,250.00
14	801	8-inch Water Pipe & Fittings	LF		90	\$200	\$18,000	\$60.00	\$60.00	\$120.00	\$10,800.00
15	801	36-inch Water Pipe & Fittings	LF		9,824	\$290	\$2,848,960	\$109.00	\$100.00	\$209.00	\$2,053,216.00
16	801*	Fittings, Increase or Decrease	LB	17,000	17,000	\$5	\$85,000	\$0.01	\$0.00	\$0.01	\$170.00
17	801*	Concrete Blocking, Class C, Incr./Decr.	CY	250	250	\$100	\$25,000	\$1.00	\$0.00	\$1.00	\$250.00
18	802	6-inch Gate Valve & Appurtenances	EA		26	\$900	\$23,400	\$600.00	\$600.00	\$1,200.00	\$31,200.00
19	802	8-inch Gate Valve & Appurtenances	EA		1	\$1,200	\$1,200	\$750.00	\$750.00	\$1,500.00	\$1,500.00
20	802	36-inch Butterfly Valves & Appurtenances	EA		6	\$19,000	\$114,000	\$15,000.00	\$5,000.00	\$20,000.00	\$120,000.00
21	805	2-inch Pitometer Installation	EA		1	\$1,500	\$1,500	\$650.00	\$650.00	\$1,300.00	\$1,300.00
22	809	Fire Hydrant, Delivered	EA		26	\$2,000	\$52,000	\$900.00	\$100.00	\$1,000.00	\$26,000.00
23	811	Increase or Decrease in Excavation or Backfill	CY	30	30	\$30	\$900	\$0.00	\$20.50	\$20.50	\$615.00
24	812	1-1/2 inch Air Release Valve	EA		6	\$1,500	\$9,000	\$750.00	\$750.00	\$1,500.00	\$9,000.00
25	813*	Rock Excavation	CY	100	100	\$75	\$7,500	\$0.00	\$175.00	\$175.00	\$17,500.00
26	815	Crushed Stone or Gravel	CY		11	\$40	\$440	\$19.50	\$19.50	\$39.00	\$429.00
27	919	Watercourse Erosion Protection	CY		23	\$60	\$1,380	\$37.50	\$37.50	\$75.00	\$1,725.00
28	SPEC.	Swisher Creek Restoration, Per Supplemental Specification SS-1	LS		1	\$10,000	\$10,000	\$500.00	\$1,500.00	\$2,000.00	\$2,000.00
29	SPEC.	Remove & Reset Electronic Gate Opener	EA		1	\$2,500	\$2,500	\$2,000.00	\$5,000.00	\$7,000.00	\$7,000.00
30	SPEC.	Temporary Fence, Per Notes Sheet 13	LF		740	\$20	\$14,800	\$5.00	\$5.00	\$10.00	\$7,400.00
31	SPEC.	Remove & Reset 4 Board White Oak Fence, Per Notes Sheet 13	LF		740	\$60	\$44,400	\$10.00	\$23.00	\$33.00	\$24,420.00
32	SPEC.	Project Identification Signs, As Per Plan	LS	1	1	\$2,500	\$2,500	\$800.00	\$800.00	\$1,600.00	\$1,600.00
33	SPEC.	Waterline Monuments, Per SCD L-7101	EA		4	\$700	\$2,800	\$200.00	\$200.00	\$400.00	\$1,600.00
34	SPEC.	Survey Coordinates	LS	1	1	\$15,000	\$15,000	\$0.00	\$8,000.00	\$8,000.00	\$8,000.00
35	SPEC.*	Evergreen Tree, 5'-6' Tall, Norway Spruce	EA	2	2	\$400	\$800	\$100.00	\$95.00	\$195.00	\$390.00
36	SPEC.*	Deciduous Tree, 2"-2-1/2" Caliper, London Plane Tree or Red Maple	EA	6	6	\$650	\$3,900	\$225.00	\$100.00	\$325.00	\$1,950.00
Subtotal							\$3,535,772				\$2,487,000.00
10% Force Account							\$353,577				\$248,700.00
TOTAL PROJECT COSTS							\$3,889,349				\$2,735,700.00
% DIFFERENCE FROM ENGINEER'S ESTIMATE											-29.66%
Bond Amount (Page P-32)											\$275,000.00
Bonding Company (Page P-32)											Ohio Farmers Insurance Co.
Proposal Bond Amount Required											\$273,570.00
Contract Compliance No. (Page P-2d)											31-4214570
Non-Collusion Affidavit Completed? (Page P-31)											Yes
Local Vendor? (Page P-9)											Yes
(2) Addendum Acknowledgement Completed? (Pg P-3)											Yes
Proposal Affidavit Completed? (Page P-36)											Yes

sht 8-8"plug & thrust block, 36"x8" tee, CDF, CGB

City of Columbus
Morse Road 36" Water Main, Part 2
Contract No. 1059
CIP No. 690474
Bid Open Date = 9/24/08

Engineers Estimate							Nickolas Savko & Sons, Inc. 4636 Shuster Rd. Columbus, Oh 43214				
Item No.	Spec. No.	Description	Unit	Cont. Quan.	Qty.	Unit Cost	Total Cost	MATERIAL	LABOR	TOTAL UNIT PRICE	TOTAL AMT.
1	201	Clearing & Grubbing	LS	1	1	\$10,000	\$10,000	\$0.00	\$12,000.00	\$12,000.00	\$12,000.00
2	201	Tree to be Removed, 15-inch size	EA		22	\$580	\$12,760	\$0.00	\$885.00	\$885.00	\$19,470.00
3	201	Tree to be Removed, 30-inch size	EA		5	\$750	\$3,750	\$0.00	\$1,550.00	\$1,550.00	\$7,750.00
4	202	Wood Plank Fence, Removed & Replaced	LF		160	\$25	\$4,000	\$10.00	\$22.00	\$32.00	\$5,120.00
5	202	3" Box Wire Fence, Removed & Replaced	LF		620	\$20	\$12,400	\$3.00	\$13.00	\$16.00	\$9,920.00
6	207	Sediment and Erosion Control	LS	1	1	\$20,000	\$20,000	\$2,800.00	\$8,700.00	\$11,500.00	\$11,500.00
7	252	Driveway Pavement Replacement Type IIIA - Residential	CY		1	\$200	\$200	\$140.00	\$660.00	\$800.00	\$800.00
8	252	Driveway Pavement Replacement Type IIIC - Residential	CY		14	\$100	\$1,400	\$10.00	\$23.00	\$33.00	\$462.00
9	252	Permanent Pavement Replacement, Type I	CY		55	\$500	\$27,500	\$28.00	\$102.00	\$130.00	\$7,150.00
10	253	Temporary Pavement Replacement	SY		219	\$20	\$4,380	\$10.00	\$6.50	\$16.50	\$3,613.50
11	614	Maintaining Traffic	LS	1	1	\$95,000	\$95,000	\$20,000.00	\$22,000.00	\$42,000.00	\$42,000.00
12	659	Seeding & Mulching	SY		21,251	\$2.00	\$42,502	\$0.45	\$0.25	\$0.70	\$14,875.70
13	801	6-inch Water Pipe & Fittings	LF		130	\$130	\$16,900	\$14.00	\$14.30	\$28.30	\$3,679.00
14	801	8-inch Water Pipe & Fittings	LF		90	\$200	\$18,000	\$39.09	\$50.91	\$90.00	\$8,100.00
15	801	36-inch Water Pipe & Fittings	LF		9,824	\$290	\$2,848,960	\$156.42	\$62.58	\$219.00	\$2,151,456.00
16	801*	Fittings, Increase or Decrease	LB	17,000	17,000	\$5	\$85,000	\$1.50	\$1.50	\$3.00	\$51,000.00
17	801*	Concrete Blocking, Class C, Incr./Decr.	CY	250	250	\$100	\$25,000	\$75.00	\$10.00	\$85.00	\$21,250.00
18	802	6-inch Gate Valve & Appurtenances	EA		26	\$900	\$23,400	\$750.00	\$235.00	\$985.00	\$25,610.00
19	802	8-inch Gate Valve & Appurtenances	EA		1	\$1,200	\$1,200	\$750.00	\$100.00	\$850.00	\$850.00
20	802	36-inch Butterfly Valves & Appurtenances	EA		6	\$19,000	\$114,000	\$16,000.00	\$3,000.00	\$19,000.00	\$114,000.00
21	805	2-inch Pitometer Installation	EA		1	\$1,500	\$1,500	\$225.00	\$525.00	\$750.00	\$750.00
22	809	Fire Hydrant, Delivered	EA		26	\$2,000	\$52,000	\$980.00	\$20.00	\$1,000.00	\$26,000.00
23	811	Increase or Decrease in Excavation or Backfill	CY	30	30	\$30	\$900	\$2.00	\$8.00	\$10.00	\$300.00
24	812	1-1/2 inch Air Release Valve	EA		6	\$1,500	\$9,000	\$1,090.00	\$10.00	\$1,100.00	\$6,600.00
25	813*	Rock Excavation	CY	100	100	\$75	\$7,500	\$25.00	\$125.00	\$150.00	\$15,000.00
26	815	Crushed Stone or Gravel	CY		11	\$40	\$440	\$20.00	\$55.00	\$75.00	\$825.00
27	919	Watercourse Erosion Protection	CY		23	\$60	\$1,380	\$40.00	\$20.00	\$60.00	\$1,380.00
28	SPEC.	Swisher Creek Restoration, Per Supplemental Specification SS-1	LS		1	\$10,000	\$10,000	\$5,005.00	\$1,495.00	\$6,500.00	\$6,500.00
29	SPEC.	Remove & Reset Electronic Gate Opener	EA		1	\$2,500	\$2,500	\$3,500.00	\$3,100.00	\$6,600.00	\$6,600.00
30	SPEC.	Temporary Fence, Per Notes Sheet 13	LF		740	\$20	\$14,800	\$15.00	\$6.00	\$21.00	\$15,540.00
31	SPEC.	Remove & Reset 4 Board White Oak Fence, Per Notes Sheet 13	LF		740	\$60	\$44,400	\$25.00	\$4.00	\$29.00	\$21,460.00
32	SPEC.	Project Identification Signs, As Per Plan	LS	1	1	\$2,500	\$2,500	\$650.00	\$650.00	\$1,300.00	\$1,300.00
33	SPEC.	Waterline Monuments, Per SCD L-7101	EA		4	\$700	\$2,800	\$150.00	\$120.00	\$270.00	\$1,080.00
34	SPEC.	Survey Coordinates	LS	1	1	\$15,000	\$15,000	\$2,500.00	\$4,500.00	\$7,000.00	\$7,000.00
35	SPEC.*	Evergreen Tree, 5'-6' Tall, Norway Spruce	EA	2	2	\$400	\$800	\$200.00	\$50.00	\$250.00	\$500.00
36	SPEC.*	Deciduous Tree, 2"-2-1/2" Caliper, London Plane Tree or Red Maple	EA	6	6	\$650	\$3,900	\$280.00	\$30.00	\$310.00	\$1,860.00
Subtotal							\$3,535,772				\$2,623,301.20
10% Force Account							\$353,577				\$262,330.12
TOTAL PROJECT COSTS							\$3,889,349				\$2,885,631.32
% DIFFERENCE FROM ENGINEER'S ESTIMATE											-25.81%
Bond Amount (Page P-32)											\$288,563.13
Bonding Company (Page P-32)											Ohio Farmers Insurance Co.
Proposal Bond Amount Required											\$288,563.13
Contract Compliance No. (Page P-2d)											31-0907362
Non-Collusion Affidavit Completed? (Page P-31)											Yes
Local Vendor? (Page P-9)											Yes
(2) Addendum Acknowledgement Completed? (Pg P-3)											Yes
Proposal Affidavit Completed? (Page P-36)											Yes

sht 8-8"plug & thrust block, 36"x8" tee, CDF, CGB

City of Columbus
Morse Road 36" Water Main, Part 2
Contract No. 1059
CIP No. 690474
Bid Open Date = 9/24/08

Engineers Estimate							Trucco Construction Company 3046 Home Rd., Powell, Oh 43065					
Item No.	Spec. No.	Description	Unit	Cont. Quan.	Qty.	Unit Cost	Total Cost	MATERIAL	LABOR	TOTAL UNIT PRICE	TOTAL AMT.	
1	201	Clearing & Grubbing	LS	1	1	\$10,000	\$10,000	\$0.00	\$3,000.00	\$3,000.00	\$3,000.00	
2	201	Tree to be Removed, 15-inch size	EA		22	\$580	\$12,760	\$0.00	\$700.00	\$700.00	\$15,400.00	
3	201	Tree to be Removed, 30-inch size	EA		5	\$750	\$3,750	\$0.00	\$1,200.00	\$1,200.00	\$6,000.00	
4	202	Wood Plank Fence, Removed & Replaced	LF		160	\$25	\$4,000	\$10.00	\$20.00	\$30.00	\$4,800.00	
5	202	3" Box Wire Fence, Removed & Replaced	LF		620	\$20	\$12,400	\$4.90	\$10.10	\$15.00	\$9,300.00	
6	207	Sediment and Erosion Control	LS	1	1	\$20,000	\$20,000	\$1,000.00	\$4,000.00	\$5,000.00	\$5,000.00	
7	252	Driveway Pavement Replacement Type IIIA - Residential	CY		1	\$200	\$200	\$200.00	\$200.00	\$400.00	\$400.00	
8	252	Driveway Pavement Replacement Type IIIC - Residential	CY		14	\$100	\$1,400	\$50.00	\$50.00	\$100.00	\$1,400.00	
9	252	Permanent Pavement Replacement, Type I	CY		55	\$500	\$27,500	\$200.00	\$300.00	\$500.00	\$27,500.00	
10	253	Temporary Pavement Replacement	SY		219	\$20	\$4,380	\$10.00	\$10.00	\$20.00	\$4,380.00	
11	614	Maintaining Traffic	LS	1	1	\$95,000	\$95,000	\$2,000.00	\$8,000.00	\$10,000.00	\$10,000.00	
12	659	Seeding & Mulching	SY		21,251	\$2.00	\$42,502	\$0.20	\$0.25	\$0.45	\$9,562.95	
13	801	6-inch Water Pipe & Fittings	LF		130	\$130	\$16,900	\$30.00	\$30.00	\$60.00	\$7,800.00	
14	801	8-inch Water Pipe & Fittings	LF		90	\$200	\$18,000	\$50.00	\$50.00	\$100.00	\$9,000.00	
15	801	36-inch Water Pipe & Fittings	LF		9,824	\$290	\$2,848,960	\$150.00	\$81.00	\$231.00	\$2,269,344.00	
16	801*	Fittings, Increase or Decrease	LB	17,000	17,000	\$5	\$85,000	\$0.25	\$0.00	\$0.25	\$4,250.00	
17	801*	Concrete Blocking, Class C, Incr./Decr.	CY	250	250	\$100	\$25,000	\$50.00	\$0.00	\$50.00	\$12,500.00	
18	802	6-inch Gate Valve & Appurtenances	EA		26	\$900	\$23,400	\$700.00	\$0.00	\$700.00	\$18,200.00	
19	802	8-inch Gate Valve & Appurtenances	EA		1	\$1,200	\$1,200	\$1,000.00	\$0.00	\$1,000.00	\$1,000.00	
20	802	36-inch Butterfly Valves & Appurtenances	EA		6	\$19,000	\$114,000	\$20,000.00	\$4,000.00	\$24,000.00	\$144,000.00	
21	805	2-inch Pitometer Installation	EA		1	\$1,500	\$1,500	\$450.00	\$50.00	\$500.00	\$500.00	
22	809	Fire Hydrant, Delivered	EA		26	\$2,000	\$52,000	\$1,100.00	\$0.00	\$1,100.00	\$28,600.00	
23	811	Increase or Decrease in Excavation or Backfill	CY	30	30	\$30	\$900	\$0.00	\$30.00	\$30.00	\$900.00	
24	812	1-1/2 inch Air Release Valve	EA		6	\$1,500	\$9,000	\$500.00	\$1,200.00	\$1,700.00	\$10,200.00	
25	813*	Rock Excavation	CY	100	100	\$75	\$7,500	\$0.00	\$200.00	\$200.00	\$20,000.00	
26	815	Crushed Stone or Gravel	CY		11	\$40	\$440	\$40.00	\$40.00	\$80.00	\$880.00	
27	919	Watercourse Erosion Protection	CY		23	\$60	\$1,380	\$40.00	\$30.00	\$70.00	\$1,610.00	
28	SPEC.	Swisher Creek Restoration, Per Supplemental Specification SS-1	LS		1	\$10,000	\$10,000	\$500.00	\$500.00	\$1,000.00	\$1,000.00	
29	SPEC.	Remove & Reset Electronic Gate Opener	EA		1	\$2,500	\$2,500	\$4,000.00	\$2,500.00	\$6,500.00	\$6,500.00	
30	SPEC.	Temporary Fence, Per Notes Sheet 13	LF		740	\$20	\$14,800	\$10.00	\$10.00	\$20.00	\$14,800.00	
31	SPEC.	Remove & Reset 4 Board White Oak Fence, Per Notes Sheet 13	LF		740	\$60	\$44,400	\$15.00	\$10.00	\$25.00	\$18,500.00	
32	SPEC.	Project Identification Signs, As Per Plan	LS	1	1	\$2,500	\$2,500	\$700.00	\$500.00	\$1,200.00	\$1,200.00	
33	SPEC.	Waterline Monuments, Per SCD L-7101	EA		4	\$700	\$2,800	\$200.00	\$100.00	\$300.00	\$1,200.00	
34	SPEC.	Survey Coordinates	LS	1	1	\$15,000	\$15,000	\$500.00	\$500.00	\$1,000.00	\$1,000.00	
35	SPEC.*	Evergreen Tree, 5'-6' Tall, Norway Spruce	EA	2	2	\$400	\$800	\$100.00	\$95.00	\$195.00	\$390.00	
36	SPEC.*	Deciduous Tree, 2"-2-1/2" Caliper, London Plane Tree or Red Maple	EA	6	6	\$650	\$3,900	\$200.00	\$125.00	\$325.00	\$1,950.00	
							Subtotal				\$3,535,772	\$2,672,066.95
							10% Force Account				\$353,577	\$267,206.70
							TOTAL PROJECT COSTS				\$3,889,349	\$2,939,273.65
							% DIFFERENCE FROM ENGINEER'S ESTIMATE					-24.43%
							Bond Amount (Page P-32)					\$350,000.00
							Bonding Company (Page P-32)					Ohio Farmers Insurance Co.
							Proposal Bond Amount Required					\$293,927.36
							Contract Compliance No. (Page P-2d)					31-1293605
							Non-Collusion Affidavit Completed? (Page P-31)					Yes
							Local Vendor? (Page P-9)					No
							(2) Addendum Acknowledgement Completed? (Pg P-3)					Yes
							Proposal Affidavit Completed? (Page P-36)					Yes

sht 8-8"plug & thrust block, 36"x8" tee, CDF, CGB

City of Columbus
Morse Road 36" Water Main, Part 2
Contract No. 1059
CIP No. 690474
Bid Open Date = 9/24/08

Engineers Estimate

Complete General Construction Co.
1221 E. Fifth Ave. Columbus, Oh 43219

Item No.	Spec. No.	Description	Unit	Cont. Quan.	Qty.	Unit Cost	Total Cost	Complete General Construction Co.				
								MATERIAL	LABOR	TOTAL UNIT PRICE	TOTAL AMT.	
1	201	Clearing & Grubbing	LS	1	1	\$10,000	\$10,000	\$15,000.00	\$20,000.00	\$35,000.00	\$35,000.00	
2	201	Tree to be Removed, 15-inch size	EA		22	\$580	\$12,760	\$400.00	\$440.00	\$840.00	\$18,480.00	
3	201	Tree to be Removed, 30-inch size	EA		5	\$750	\$3,750	\$500.00	\$960.00	\$1,460.00	\$7,300.00	
4	202	Wood Plank Fence, Removed & Replaced	LF		160	\$25	\$4,000	\$20.00	\$21.45	\$41.45	\$6,632.00	
5	202	3" Box Wire Fence, Removed & Replaced	LF		620	\$20	\$12,400	\$6.00	\$8.90	\$14.90	\$9,238.00	
6	207	Sediment and Erosion Control	LS	1	1	\$20,000	\$20,000	\$10,000.00	\$8,500.00	\$18,500.00	\$18,500.00	
7	252	Driveway Pavement Replacement Type IIIA - Residential	CY		1	\$200	\$200	\$250.00	\$200.00	\$450.00	\$450.00	
8	252	Driveway Pavement Replacement Type IIIC - Residential	CY		14	\$100	\$1,400	\$50.00	\$30.00	\$80.00	\$1,120.00	
9	252	Permanent Pavement Replacement, Type I	CY		55	\$500	\$27,500	\$300.00	\$200.00	\$500.00	\$27,500.00	
10	253	Temporary Pavement Replacement	SY		219	\$20	\$4,380	\$8.00	\$7.00	\$15.00	\$3,285.00	
11	614	Maintaining Traffic	LS	1	1	\$95,000	\$95,000	\$15,000.00	\$10,000.00	\$25,000.00	\$25,000.00	
12	659	Seeding & Mulching	SY		21,251	\$2.00	\$42,502	\$0.30	\$0.20	\$0.50	\$10,625.50	
13	801	6-inch Water Pipe & Fittings	LF		130	\$130	\$16,900	\$100.00	\$50.00	\$150.00	\$19,500.00	
14	801	8-inch Water Pipe & Fittings	LF		90	\$200	\$18,000	\$100.00	\$80.00	\$180.00	\$16,200.00	
15	801	36-inch Water Pipe & Fittings	LF		9,824	\$290	\$2,848,960	\$200.00	\$100.00	\$300.00	\$2,947,200.00	
16	801*	Fittings, Increase or Decrease	LB	17,000	17,000	\$5	\$85,000	\$1.00	\$1.00	\$2.00	\$34,000.00	
17	801*	Concrete Blocking, Class C, Incr./Decr.	CY	250	250	\$100	\$25,000	\$50.00	\$25.00	\$75.00	\$18,750.00	
18	802	6-inch Gate Valve & Appurtenances	EA		26	\$900	\$23,400	\$700.00	\$220.00	\$920.00	\$23,920.00	
19	802	8-inch Gate Valve & Appurtenances	EA		1	\$1,200	\$1,200	\$900.00	\$300.00	\$1,200.00	\$1,200.00	
20	802	36-inch Butterfly Valves & Appurtenances	EA		6	\$19,000	\$114,000	\$10,000.00	\$5,000.00	\$15,000.00	\$90,000.00	
21	805	2-inch Pitometer Installation	EA		1	\$1,500	\$1,500	\$1,000.00	\$750.00	\$1,750.00	\$1,750.00	
22	809	Fire Hydrant, Delivered	EA		26	\$2,000	\$52,000	\$900.00	\$200.00	\$1,100.00	\$28,600.00	
23	811	Increase or Decrease in Excavation or Backfill	CY	30	30	\$30	\$900	\$40.00	\$20.00	\$60.00	\$1,800.00	
24	812	1-1/2 inch Air Release Valve	EA		6	\$1,500	\$9,000	\$1,100.00	\$700.00	\$1,800.00	\$10,800.00	
25	813*	Rock Excavation	CY	100	100	\$75	\$7,500	\$30.00	\$20.00	\$50.00	\$5,000.00	
26	815	Crushed Stone or Gravel	CY		11	\$40	\$440	\$40.00	\$20.00	\$60.00	\$660.00	
27	919	Watercourse Erosion Protection	CY		23	\$60	\$1,380	\$100.00	\$50.00	\$150.00	\$3,450.00	
28	SPEC.	Swisher Creek Restoration, Per Supplemental Specification SS-1	LS		1	\$10,000	\$10,000	\$3,000.00	\$2,500.00	\$5,500.00	\$5,500.00	
29	SPEC.	Remove & Reset Electronic Gate Opener	EA		1	\$2,500	\$2,500	\$6,000.00	\$1,500.00	\$7,500.00	\$7,500.00	
30	SPEC.	Temporary Fence, Per Notes Sheet 13	LF		740	\$20	\$14,800	\$7.00	\$5.15	\$12.15	\$8,991.00	
31	SPEC.	Remove & Reset 4 Board White Oak Fence, Per Notes Sheet 13	LF		740	\$60	\$44,400	\$30.00	\$25.30	\$55.30	\$40,922.00	
32	SPEC.	Project Identification Signs, As Per Plan	LS	1	1	\$2,500	\$2,500	\$1,000.00	\$500.00	\$1,500.00	\$1,500.00	
33	SPEC.	Waterline Monuments, Per SCD L-7101	EA		4	\$700	\$2,800	\$500.00	\$200.00	\$700.00	\$2,800.00	
34	SPEC.	Survey Coordinates	LS	1	1	\$15,000	\$15,000	\$3,000.00	\$2,000.00	\$5,000.00	\$5,000.00	
35	SPEC.*	Evergreen Tree, 5'-6' Tall, Norway Spruce	EA	2	2	\$400	\$800	\$300.00	\$200.00	\$500.00	\$1,000.00	
36	SPEC.*	Deciduous Tree, 2"-2-1/2" Caliper, London Plane Tree or Red Maple	EA	6	6	\$650	\$3,900	\$300.00	\$200.00	\$500.00	\$3,000.00	
							Subtotal				\$3,535,772	\$3,442,173.50
							10% Force Account				\$353,577	\$344,217.35
TOTAL PROJECT COSTS								\$3,889,349				\$3,786,390.85
% DIFFERENCE FROM ENGINEER'S ESTIMATE												-2.65%
Bond Amount (Page P-32)												\$500,000.00
Bonding Company (Page P-32)												Liberty Mutual Insurance
Proposal Bond Amount Required												\$378,639.09
Contract Compliance No. (Page P-2d)												31-4366382
Non-Collusion Affidavit Completed? (Page P-31)												Yes
Local Vendor? (Page P-9)												Yes
(2) Addendum Acknowledgement Completed? (Pg P-3)												Yes
Proposal Affidavit Completed? (Page P-36)												Yes

sht 8-8"plug & thrust block, 36"x8" tee, CDF, CGB

City of Columbus
Morse Road 36" Water Main, Part 2
Contract No. 1059
CIP No. 690474
Bid Open Date = 9/24/08

Engineers Estimate

C. J. Hughes Construction Co.
75 W 3rd Avenue, Huntington, WV 25701

Item No.	Spec. No.	Description	Unit	Cont. Quan.	Qty.	Unit Cost	Total Cost	C. J. Hughes Construction Co.			
								MATERIAL	LABOR	TOTAL UNIT PRICE	TOTAL AMT.
1	201	Clearing & Grubbing	LS	1	1	\$10,000	\$10,000	\$0.00	\$3,500.00	\$3,500.00	\$3,500.00
2	201	Tree to be Removed, 15-inch size	EA		22	\$580	\$12,760	\$0.00	\$775.00	\$775.00	\$17,050.00
3	201	Tree to be Removed, 30-inch size	EA		5	\$750	\$3,750	\$0.00	\$1,500.00	\$1,500.00	\$7,500.00
4	202	Wood Plank Fence, Removed & Replaced	LF		160	\$25	\$4,000	\$5.00	\$25.00	\$30.00	\$4,800.00
5	202	3" Box Wire Fence, Removed & Replaced	LF		620	\$20	\$12,400	\$8.00	\$12.00	\$20.00	\$12,400.00
6	207	Sediment and Erosion Control	LS	1	1	\$20,000	\$20,000	\$3,500.00	\$6,500.00	\$10,000.00	\$10,000.00
7	252	Driveway Pavement Replacement Type IIIA - Residential	CY		1	\$200	\$200	\$200.00	\$350.00	\$550.00	\$550.00
8	252	Driveway Pavement Replacement Type IIIC - Residential	CY		14	\$100	\$1,400	\$28.00	\$102.00	\$130.00	\$1,820.00
9	252	Permanent Pavement Replacement, Type I	CY		55	\$500	\$27,500	\$450.00	\$625.00	\$1,075.00	\$59,125.00
10	253	Temporary Pavement Replacement	SY		219	\$20	\$4,380	\$12.00	\$22.00	\$34.00	\$7,446.00
11	614	Maintaining Traffic	LS	1	1	\$95,000	\$95,000	\$0.00	\$75,000.00	\$75,000.00	\$75,000.00
12	659	Seeding & Mulching	SY		21,251	\$2.00	\$42,502	\$0.45	\$0.55	\$1.00	\$21,251.00
13	801	6-inch Water Pipe & Fittings	LF		130	\$130	\$16,900	\$112.00	\$63.00	\$175.00	\$22,750.00
14	801	8-inch Water Pipe & Fittings	LF		90	\$200	\$18,000	\$68.00	\$117.00	\$185.00	\$16,650.00
15	801	36-inch Water Pipe & Fittings	LF		9,824	\$290	\$2,848,960	\$182.00	\$106.00	\$288.00	\$2,829,312.00
16	801*	Fittings, Increase or Decrease	LB	17,000	17,000	\$5	\$85,000	\$0.50	\$0.00	\$0.50	\$8,500.00
17	801*	Concrete Blocking, Class C, Incr./Decr.	CY	250	250	\$100	\$25,000	\$85.00	\$15.00	\$100.00	\$25,000.00
18	802	6-inch Gate Valve & Appurtenances	EA		26	\$900	\$23,400	\$670.00	\$130.00	\$800.00	\$20,800.00
19	802	8-inch Gate Valve & Appurtenances	EA		1	\$1,200	\$1,200	\$900.00	\$250.00	\$1,150.00	\$1,150.00
20	802	36-inch Butterfly Valves & Appurtenances	EA		6	\$19,000	\$114,000	\$18,600.00	\$4,200.00	\$22,800.00	\$136,800.00
21	805	2-inch Pitometer Installation	EA		1	\$1,500	\$1,500	\$400.00	\$1,000.00	\$1,400.00	\$1,400.00
22	809	Fire Hydrant, Delivered	EA		26	\$2,000	\$52,000	\$2,800.00	\$0.00	\$2,800.00	\$72,800.00
23	811	Increase or Decrease in Excavation or Backfill	CY	30	30	\$30	\$900	\$0.00	\$30.00	\$30.00	\$900.00
24	812	1-1/2 inch Air Release Valve	EA		6	\$1,500	\$9,000	\$1,100.00	\$1,150.00	\$2,250.00	\$13,500.00
25	813*	Rock Excavation	CY	100	100	\$75	\$7,500	\$0.00	\$110.00	\$110.00	\$11,000.00
26	815	Crushed Stone or Gravel	CY		11	\$40	\$440	\$25.00	\$15.00	\$40.00	\$440.00
27	919	Watercourse Erosion Protection	CY		23	\$60	\$1,380	\$50.00	\$35.00	\$85.00	\$1,955.00
28	SPEC.	Swisher Creek Restoration, Per Supplemental Specification SS-1	LS		1	\$10,000	\$10,000	\$600.00	\$3,000.00	\$3,600.00	\$3,600.00
29	SPEC.	Remove & Reset Electronic Gate Opener	EA		1	\$2,500	\$2,500	\$500.00	\$3,500.00	\$4,000.00	\$4,000.00
30	SPEC.	Temporary Fence, Per Notes Sheet 13	LF		740	\$20	\$14,800	\$4.00	\$15.00	\$19.00	\$14,060.00
31	SPEC.	Remove & Reset 4 Board White Oak Fence, Per Notes Sheet 13	LF		740	\$60	\$44,400	\$5.00	\$20.00	\$25.00	\$18,500.00
32	SPEC.	Project Identification Signs, As Per Plan	LS	1	1	\$2,500	\$2,500	\$900.00	\$750.00	\$1,650.00	\$1,650.00
33	SPEC.	Waterline Monuments, Per SCD L-7101	EA		4	\$700	\$2,800	\$75.00	\$250.00	\$325.00	\$1,300.00
34	SPEC.	Survey Coordinates	LS	1	1	\$15,000	\$15,000	\$0.00	\$10,000.00	\$10,000.00	\$10,000.00
35	SPEC.*	Evergreen Tree, 5'-6' Tall, Norway Spruce	EA	2	2	\$400	\$800	\$200.00	\$50.00	\$250.00	\$500.00
36	SPEC.*	Deciduous Tree, 2"-2-1/2" Caliper, London Plane Tree or Red Maple	EA	6	6	\$650	\$3,900	\$325.00	\$75.00	\$400.00	\$2,400.00
							Subtotal				\$3,439,409.00
							10% Force Account				\$343,940.90
							TOTAL PROJECT COSTS				\$3,783,349.90
							% DIFFERENCE FROM ENGINEER'S ESTIMATE				-2.73%
							Bond Amount (Page P-32)				\$378,334.99
							Bonding Company (Page P-32)				Cincinnati Insurance Co.
							Proposal Bond Amount Required				\$378,334.99
							Contract Compliance No. (Page P-2d)				55-0624993
							Non-Collusion Affidavit Completed? (Page P-31)				Yes
							Local Vendor? (Page P-9)				No
							(2) Addendum Acknowledgement Completed? (Pg P-3)				Yes
							Proposal Affidavit Completed? (Page P-36)				Yes

sht 8-8"plug & thrust block, 36"x8" tee, CDF, CGB