						Engineer's Esti	imate		Fields Excavating	g, Inc.
Ref.			_							
No.	Item No.		Qty	Units	Materials	Labor	Extension	Materials	Labor	Extension
Group	-	scription: Maize Road Area Water Line								
No. 1	Improven	nents, C.I.P. 690236-100071		-						
	0.5.4	PAVEMENT PLANING, ASPHALT	10.01.6	<b>GN</b> <i>I</i>	¢1.00	<b>#2</b> .00	<b>#50</b> 0 < 1 00	<b>#2</b> 50	<b>#0.00</b>	<b>#22</b> 040 00
1	254	CONCRETE	13,216	SY	\$1.00	\$3.00	\$52,864.00	\$2.50	\$0.00	\$33,040.00
•	250	DRIVEWAY PAVEMENT REPL., TYPE III	27	CT I	¢150.00	¢150.00	<b>#0.100.00</b>	¢125.00	<b>*275</b> 00	¢10,000,00
2	259	A (ASPHALT) DRIVEWAY PAVEMENT REPL., TYPE III	27	CY	\$150.00	\$150.00	\$8,100.00	\$125.00	\$275.00	\$10,800.00
2	250		4.1	CIV.	¢150.00	¢50.00	¢0.000.00	¢150.00	¢ <b>2</b> 00.00	¢14.250.00
3	259	B (CONCRETE) DRIVEWAY PAVEMENT REPL., TYPE III	41	CY	\$150.00	\$50.00	\$8,200.00	\$150.00	\$200.00	\$14,350.00
4	250		17	CV	¢50.00	¢ 40.00	¢1.520.00	¢ 40.00	¢5.00	\$765 00
4	259 407	C (GRAVEL) TACK COAT	17 1.982	CY GAL	\$50.00 \$3.00	\$40.00 \$1.00	\$1,530.00 \$7,928.00	\$40.00 \$3.00	\$5.00 \$0.00	\$765.00 \$5,946.00
3	407	ASPHALT CONCRETE SURFACE	1,982	UAL	\$3.00	\$1.00	\$1,928.00	\$3.00	φ <b>0.</b> 00	<i><b>ФЈ,940.00</b></i>
6	448	COURSE (HEAVY TRAFFIC) PG64-22M	301	CY	\$140.00	\$100.00	\$72,240.00	\$222.00	\$0.00	\$66,822.00
0	440	ASPHALT CONCRETE SURFACE	301	CI	\$140.00	\$100.00	\$ <i>12</i> ,240.00	\$222.00	<b>Φ</b> 0.00	φ00 <b>,</b> 022.00
7	448	COURSE (MEDIUM TRAFFIC) PG64-22M	245	CY	\$120.00	\$100.00	\$53,900.00	\$222.00	\$0.00	\$54,390.00
8	608	CONCRETE WALK	927	SF	\$5.00	\$100.00	\$25,956.00	\$3.00	\$5.00	\$7.416.00
9	614	MAINTAINING TRAFFIC	1	LS	\$30,000.00	\$50,000.00	\$80,000.00	\$61,250.00	\$126,750.00	\$188,000.00
10	615	TEMPORARY PAVEMENT	3,701	SY	\$12.00	\$10.00	\$81,422.00	\$14.00	\$0.00	\$51,814.00
10	632	DETECTOR LOOP	3	EA	\$1,500.00	\$1,500.00	\$9,000.00	\$4,500.00	\$0.00	\$13,500.00
12	659	SEEDING & MULCHING	1,577	SY	\$1.00	\$2.00	\$4,731.00	\$0.50	\$1.50	\$3,154.00
13	801	6" WATER PIPE & FITTINGS	940	LF	\$45.00	\$55.00	\$94,000.00	\$59.25	\$28.75	\$82,720.00
13	801	8" WATER PIPE & FITTINGS	8,781	LF	\$50.00	\$55.00	\$922,005.00	\$64.50	\$28.50	\$816,633.00
15	801	12" WATER PIPE & FITTINGS	4,412	LF	\$60.00	\$55.00	\$507,380.00	\$79.75	\$28.25	\$476,496.00
		CONCRETE BLOCKING CLASS C, INCR.	,				1			1
16	801*	OR DECR.	18	CY	\$110.00	\$20.00	\$2,340.00	\$150.00	\$0.00	\$2,700.00
17	801*	D.I. FITTINGS, INCR. OR DECR.	1,047	LBS	\$1.00	\$1.00	\$2,094.00	\$3.25	\$0.75	\$4,188.00
18	802	6" VALVE & APPURTENANCES	46	EA	\$500.00	\$410.00	\$41,860.00	\$1,260.00	\$65.00	\$60,950.00
19	802	8" VALVE & APPURTENANCES	27	EA	\$650.00	\$560.00	\$32,670.00	\$1,630.00	\$70.00	\$45,900.00
20	802	12" VALVE & APPURTENANCES	6	EA	\$1,000.00	\$900.00	\$11,400.00	\$2,575.00	\$125.00	\$16,200.00
21	805	3/4" WATER SVC. TAP XFR'D, SHORT	94	EA	\$600.00	\$735.00	\$125,490.00	\$400.00	\$600.00	\$94,000.00
22	805	3/4" WATER SVC. TAP XFR'D, LONG	98	EA	\$800.00	\$883.00	\$164,934.00	\$525.00	\$825.00	\$132,300.00
23	805	1" WATER SVC. TAP XFR'D, SHORT	2	EA	\$650.00	\$750.00	\$2,800.00	\$425.00	\$775.00	\$2,400.00
24	805	1" WATER SVC. TAP XFR'D, LONG	5	EA	\$850.00	\$850.00	\$8,500.00	\$525.00	\$1,075.00	\$8,000.00
25	805	1.5" WATER SVC. TAP XFR'D, SHORT	1	EA	\$700.00	\$800.00	\$1,500.00	\$1,000.00	\$1,000.00	\$2,000.00
26	805	1.5" WATER SVC. TAP XFR'D, LONG	1	EA	\$900.00	\$900.00	\$1,800.00	\$1,250.00	\$1,250.00	\$2,500.00
27	805	2" WATER SVC. TAP XFR'D, SHORT	5	EA	\$800.00	\$900.00	\$8,500.00	\$1,375.00	\$1,125.00	\$12,500.00
28	805	2" WATER SVC. TAP XFR'D, LONG	1	EA	\$1,000.00	\$950.00	\$1,950.00	\$2,500.00	\$1,500.00	\$4,000.00
29	805	6" WATER SVC. TAP XFR'D	1	EA	\$1,200.00	\$1,000.00	\$2,200.00	\$2,400.00	\$2,100.00	\$4,500.00
30	805*	CURB BOX	280	EA	\$40.00	\$28.00	\$19,040.00	\$100.00	\$25.00	\$35,000.00
31	805*	C.I. FERRULE VALVE BOX & COVER	29	EA	\$210.00	\$40.00	\$7,250.00	\$75.00	\$50.00	\$3,625.00
32	809	FIRE HYDRANT	38	EA	\$2,500.00	\$500.00	\$114,000.00	\$2,225.00	\$575.00	\$106,400.00
33	810*	6" HYDRANT EXTENSIONS	3	EA	\$300.00	\$150.00	\$1,350.00	\$317.50	\$57.50	\$1,125.00
34	810*	12" HYDRANT EXTENSIONS	3	EA	\$400.00	\$175.00	\$1,725.00	\$375.00	\$55.00	\$1,290.00
35	810*	18" HYDRANT EXTENSIONS	4	EA	\$500.00	\$200.00	\$2,800.00	\$420.00	\$55.00	\$1,900.00

						Engineer's Est	imate		Fields Excavatin	ıg, Inc.
Ref. No.	Item No.	Description	Qty	Units	Materials	Labor	Extension	Materials	Labor	Extension
36		24" HYDRANT EXTENSIONS	17	EA	\$600.00	\$225.00	\$14.025.00	\$475.00	\$55.00	\$9,010.00
50	010	INCR. OR DECR. IN EXCAVATION &	17	211	\$000.00	¢223.00	¢11,025.00	\$175.00	455.00	\$9,010.00
37	811*	BACKFILL	111	CY	\$10.00	\$24.00	\$3,774.00	\$30.00	\$5.00	\$3,885.00
38	815	CRUSHED STONE OR GRAVEL	152	CY	\$50.00	\$50.00	\$15,200.00	\$35.00	\$5.00	\$6,080.00
39	816	1.5" WATER MAIN ABANDONED	3	EA	\$100.00	\$150.00	\$750.00	\$100.00	\$400.00	\$1,500.00
40		2" WATER MAIN ABANDONED	6	EA	\$100.00	\$150.00	\$1,500.00	\$100.00	\$400.00	\$3,000.00
41		TEMPORARY SEEDING & MULCHING	1,577	SY	\$1.00	\$2.00	\$4,731.00	\$0.75	\$1.25	\$3,154.00
42	SPEC	1.5" X 3/4" WATER SVC. TAP TRANSFER TEMPORARY WATER MAIN & SVC.	18	EA	\$3,000.00	\$1,500.00	\$81,000.00	\$1,000.00	\$2,200.00	\$57,600.00
43	SPEC	CONNECTIONS	1	LS	\$5,000.00	\$5,000.00	\$10,000.00	\$11,500.00	\$8,500.00	\$20,000.00
44		PERMANENT PAVEMENT	925	CY	\$150.00	\$150.00	\$277,500.00	\$165.00	\$120.00	\$263,625.00
45	SPEC	HEAT WELDING	160	SY	\$25.00	\$22.00	\$7,520.00	\$86.00	\$0.00	\$13,760.00
		12" DUCTILE IRON WATER PIPE, HORIZONTAL DIRECTIONAL DRILLING								
46	SPEC	(HDD)	413	LF	\$60.00	\$60.00	\$49,560.00	\$105.00	\$10.00	\$47,495.00
47		SEDIMENT & EROSION CONTROLS	1	LS	\$1,000.00	\$1,000.00	\$2,000.00	\$5,000.00	\$3,000.00	\$8,000.00
48	SPEC	SURVEY COORDINATES	1	LS	\$500.00	\$4,500.00	\$5,000.00	\$10,000.00	\$0.00	\$10,000.00
49	SPEC*	ADDITIONAL HDD ACCESS PIT	2	EA	\$500.00	\$500.00	\$2,000.00	\$250.00	\$750.00	\$2,000.00
		8" WATER LINE SUPPORTED ON								
50		STRUCTURE	209	LF	\$150.00	\$200.00	\$73,150.00	\$300.00	\$135.00	\$90,915.00
51	SPEC	PROJECT IDENTIFICATION SIGNS	7	EA	\$40.00	\$10.00	\$350.00	\$250.00	\$250.00	\$3,500.00
		Group 1 Subtotal:					\$3,031,519.00			\$2,910,848.00
		Group 1 Contingency (15%):					\$454,727.85			\$436,627.20
		Group 1 Total:					\$3,486,246.85			\$3,347,475.20
	-	scription: E. 8th Avenue Water Line								
No. 2	<b>_</b>	ents, C.I.P. 690236-100108		1						
		PAVEMENT PLANING, ASPHALT		~~~	±	** **		* • • • • •	** **	
52		CONCRETE	637	SY	\$1.00	\$3.00	\$2,548.00	\$12.00	\$0.00	\$7,644.00
53	407	TACK COAT ASPHALT CONCRETE SURFACE	96	GAL	\$3.00	\$1.00	\$384.00	\$3.00	\$0.00	\$288.00
54	448	COURSE (MEDIUM TRAFFIC) PG64-22M	27	CY	\$120.00	\$100.00	\$5,940.00	\$318.00	\$0.00	\$8,586.00
55		CONCRETE WALK (4")	90	SF	\$5.00	\$23.00	\$2,520.00	\$3.00	\$5.00	\$720.00
56		MAINTAINING TRAFFIC	<u> </u>	LS	\$4,000.00	\$4,000.00	\$8,000.00	\$3,750.00	\$10,250.00	\$14,000.00
57		TEMPORARY PAVEMENT	138	SY	\$12.00	\$10.00	\$3,036.00	\$13.50	\$0.50	\$1,932.00
58		SEEDING & MULCHING	4	SY	\$2.00	\$2.00	\$16.00	\$25.00	\$35.00	\$240.00
59		6" WATER PIPE & FITTINGS	13	LF	\$45.00	\$55.00	\$1,300.00	\$75.00	\$70.00	\$1,885.00
60		8" WATER PIPE & FITTINGS	385	LF	\$50.00	\$55.00	\$40,425.00	\$80.25	\$64.75	\$55,825.00
		CONCRETE BLOCKING CLASS C, INCR.								
61		OR DECR.	4	CY	\$110.00	\$20.00	\$520.00	\$150.00	\$0.00	\$600.00
62		D.I. FITTINGS, INCR. OR DECR.	240	LBS	\$1.00	\$1.00	\$480.00	\$3.25	\$0.75	\$960.00
63		6" VALVE & APPURTENANCES	2	EA	\$500.00	\$410.00	\$1,820.00	\$1,260.00	\$65.00	\$2,650.00
64		8" VALVE & APPURTENANCES	1	EA	\$650.00	\$560.00	\$1,210.00	\$1,630.00	\$70.00	\$1,700.00
65		3/4" WATER SVC. TAP XFR'D, SHORT	2	EA	\$600.00	\$735.00	\$2,670.00	\$400.00	\$600.00	\$2,000.00
66 67		3/4" WATER SVC. TAP XFR'D, LONG CURB BOX	3	EA EA	\$800.00 \$40.00	\$883.00 \$28.00	\$5,049.00 \$340.00	\$525.00 \$100.00	\$825.00 \$25.00	\$4,050.00 \$625.00
67		FIRE HYDRANT	5	EA	\$40.00	\$28.00	\$340.00	\$100.00	\$25.00	\$625.00 \$2,800.00
00		INCR. OR DECR. IN EXCAVATION &	1		Ψ2,500.00	φ500.00	<i>43,000.00</i>	ψ2,100.00	φ700.00	ψ2,000.00
69		BACKFILL	16	CY	\$10.00	\$24.00	\$544.00	\$30.00	\$5.00	\$560.00

						Engineer's Est	imate	Fields Excavating, Inc.			
Ref. No.	Item No.	Description	Otv	Units	Materials	Labor	Extension	Materials	Labor	Extension	
70	SPEC	TEMPORARY SEEDING & MULCHING		SY	\$2.00	\$2.00	\$16.00	\$0.75	\$1.25	\$8.00	
70	SPEC	PERMANENT PAVEMENT	34	CY	\$150.00	\$150.00	\$10.200.00	\$185.00	\$125.00	\$10.540.00	
72	SPEC*	SEDIMENT & EROSION CONTROLS	1	LS	\$1,000.00	\$1,000.00	\$2,000.00	\$1,000.00	\$250.00	\$1,250.00	
73	SPEC	SURVEY COORDINATES	1	LS	\$500.00	\$1,500.00	\$2,000.00	\$2,000.00	\$0.00	\$2,000.00	
74	SPEC	PROJECT IDENTIFICATION SIGNS	1	EA	\$40.00	\$10.00	\$50.00	\$250.00	\$250.00	\$500.00	
		Group 2 Subtotal:					\$94,068.00			\$121,363.00	
		Group 2 Contingency (15%):					\$14,110.20			\$18,204.45	
		Group 2 Total:					\$108,178.20			\$139,567.45	
		COMBINED CONTINGENCY (15% of									
75	SPEC	Groups 1-2)					\$468,838.05			\$454,831.65	
		COMBINED GRAND TOTAL:					\$3,594,425.05			\$3,487,042.65	
	% DI	FFERENCE FROM ENGINEER'S ESTIMATE								-2.99%	
		% DIFFERENCE WITHIN LOWEST BIDDER								N/A	
		(1) Addendum Ackldgmnt. Completed?								yes	
		Contract Compliance No.							31-1451322 (	(exp. 9/6/18, MAJ, 5416)	
		Bid Proposal Signature Affidavit Completed?								yes	
		Bonding Company (Form B2)							Fidelity & I	Deposit Co.f of Maryland	
		Proposed Subs listed? Bid Affidavit Complete? (Form B9)								yes	
		Prime & (applicable) Subs Prequalified to Bid?								yes yes	
		tarized Statement of HDD experience included?								yes	
		Loan Forms Included? (B10, 11, 12.2, 12.3, 13)							ves (K	Davis {EDGE & WBE})	

Field Excavating, Inc. 177 Twp Rd. 191 Kitts Hill, OH 45645 Joshua Fields, President (740) 432-1780 x202 jjf@fields-excavating.com Jeffrey Fields, Secretary

						Ender I E d			E	
Ref.						Engineer's Esti	imate	Elite	Excavating Co. o	f Ohio, Inc.
No.	Item No.	Description	Qty	Units	Materials	Labor	Extension	Materials	Labor	Extension
roup	Group Des	scription: Maize Road Area Water Line				•				
No. 1	Improvem	ents, C.I.P. 690236-100071								
		PAVEMENT PLANING, ASPHALT								
1	254	CONCRETE	13,216	SY	\$1.00	\$3.00	\$52,864.00	\$2.00	\$1.00	\$39,648.00
		DRIVEWAY PAVEMENT REPL., TYPE III								
2	259	A (ASPHALT)	27	CY	\$150.00	\$150.00	\$8,100.00	\$480.00	\$320.00	\$21,600.00
		DRIVEWAY PAVEMENT REPL., TYPE III								
3	259	B (CONCRETE)	41	CY	\$150.00	\$50.00	\$8,200.00	\$660.00	\$440.00	\$45,100.00
		DRIVEWAY PAVEMENT REPL., TYPE III								
4	259	C (GRAVEL)	17	CY	\$50.00	\$40.00	\$1,530.00	\$30.00	\$20.00	\$850.00
5	407	TACK COAT	1,982	GAL	\$3.00	\$1.00	\$7,928.00	\$2.00	\$1.00	\$5,946.00
		ASPHALT CONCRETE SURFACE								
6	448	COURSE (HEAVY TRAFFIC) PG64-22M	301	CY	\$140.00	\$100.00	\$72,240.00	\$116.00	\$77.00	\$58,093.00
		ASPHALT CONCRETE SURFACE								
7	448	COURSE (MEDIUM TRAFFIC) PG64-22M	245	CY	\$120.00	\$100.00	\$53,900.00	\$116.00	\$77.00	\$47,285.00
8	608	CONCRETE WALK	927	SF	\$5.00	\$23.00	\$25,956.00	\$7.00	\$5.00	\$11,124.00
9	614	MAINTAINING TRAFFIC	1	LS	\$30,000.00	\$50,000.00	\$80,000.00	\$27,000.00	\$18,000.00	\$45,000.00
10	615	TEMPORARY PAVEMENT	3,701	SY	\$12.00	\$10.00	\$81,422.00	\$12.00	\$8.00	\$74,020.00
11	632	DETECTOR LOOP	3	EA	\$1,500.00	\$1,500.00	\$9,000.00	\$2,100.00	\$1,400.00	\$10,500.00
12	659	SEEDING & MULCHING	1,577	SY	\$1.00	\$2.00	\$4,731.00	\$11.00	\$7.00	\$28,386.00
13	801	6" WATER PIPE & FITTINGS	940	LF	\$45.00	\$55.00	\$94,000.00	\$72.00	\$48.00	\$112,800.00
14	801	8" WATER PIPE & FITTINGS	8,781	LF	\$50.00	\$55.00	\$922,005.00	\$54.00	\$36.00	\$790,290.00
15	801	12" WATER PIPE & FITTINGS	4,412	LF	\$60.00	\$55.00	\$507,380.00	\$78.00	\$52.00	\$573,560.00
	0011	CONCRETE BLOCKING CLASS C, INCR.	10		<b>\$110.00</b>	<b>**</b>	<b>**</b> • • • • • •	<b>.</b>	<b>*</b> ( <b>0 0 0</b>	<b>#1</b> 000 00
16	801*	OR DECR.	18	CY	\$110.00	\$20.00	\$2,340.00	\$60.00	\$40.00	\$1,800.00
17	801*	D.I. FITTINGS, INCR. OR DECR.	1,047	LBS	\$1.00	\$1.00	\$2,094.00	\$0.60	\$0.40	\$1,047.00
18	802	6" VALVE & APPURTENANCES	46	EA	\$500.00	\$410.00	\$41,860.00	\$720.00	\$480.00	\$55,200.00
19	802	8" VALVE & APPURTENANCES	27	EA	\$650.00	\$560.00	\$32,670.00	\$1,080.00	\$720.00	\$48,600.00
20	802	12" VALVE & APPURTENANCES	6	EA	\$1,000.00	\$900.00	\$11,400.00	\$2,100.00	\$1,400.00	\$21,000.00
21 22	805	3/4" WATER SVC. TAP XFR'D, SHORT	94 98	EA	\$600.00	\$735.00 \$883.00	\$125,490.00 \$164,934.00	\$780.00	\$520.00	\$122,200.00 \$147,000.00
	805	3/4" WATER SVC. TAP XFR'D, LONG		EA	\$800.00			\$900.00	\$600.00	
23 24	805 805	1" WATER SVC. TAP XFR'D, SHORT	2	EA EA	\$650.00 \$850.00	\$750.00 \$850.00	\$2,800.00 \$8,500.00	\$780.00 \$960.00	\$520.00 \$640.00	\$2,600.00 \$8,000.00
24 25	805 805	1" WATER SVC. TAP XFR'D, LONG 1.5" WATER SVC. TAP XFR'D, SHORT	5	EA EA	\$850.00	\$850.00	\$8,500.00	\$960.00	\$640.00 \$920.00	\$8,000.00
25 26	805	1.5" WATER SVC. TAP XFR D, SHORT 1.5" WATER SVC. TAP XFR'D, LONG	1	EA EA	\$900.00	\$900.00	\$1,800.00	\$1,380.00	\$920.00	\$2,300.00
20	805	2" WATER SVC. TAP XFR'D, LONG	5	EA	\$900.00	\$900.00	\$1,800.00	\$1,440.00	\$960.00	\$13,000.00
27	805	2" WATER SVC. TAP XFR'D, SHOKT 2" WATER SVC. TAP XFR'D, LONG	1	EA	\$1,000.00	\$950.00	\$1,950.00	\$1,800.00	\$1,200.00	\$3,000.00
28	805	6" WATER SVC. TAP XFR'D, LONG	1	EA	\$1,200.00	\$1,000.00	\$2,200.00	\$3,000.00	\$2,000.00	\$5,000.00
30	805*	CURB BOX	280	EA	\$40.00	\$28.00	\$19,040.00	\$3,000.00	\$2,000.00	\$140,000.00
31	805*	C.I. FERRULE VALVE BOX & COVER	280	EA	\$210.00	\$40.00	\$7,250.00	\$300.00	\$200.00	\$14,500.00
32	803	FIRE HYDRANT	38	EA	\$2,500.00	\$500.00	\$114.000.00	\$1.800.00	\$1.200.00	\$114,000.00
33	810*	6" HYDRANT EXTENSIONS	3	EA	\$300.00	\$150.00	\$1,350.00	\$240.00	\$1,200.00	\$1,200.00
34	810*	12" HYDRANT EXTENSIONS	3	EA	\$400.00	\$175.00	\$1,725.00	\$270.00	\$180.00	\$1,350.00
35	810*	18" HYDRANT EXTENSIONS	4	EA	\$500.00	\$200.00	\$2,800.00	\$300.00	\$200.00	\$1,550.00

Def						Engineer's Est	imate	Elite	Excavating Co. o	of Ohio, Inc.
Ref. No.	Item No.	Description	Qty	Units	Materials	Labor	Extension	Materials	Labor	Extension
36	810*	24" HYDRANT EXTENSIONS	17	EA	\$600.00	\$225.00	\$14,025.00	\$330.00	\$220.00	\$9,350.00
50	010	INCR. OR DECR. IN EXCAVATION &	17	LA	\$000.00	\$225.00	\$14,025.00	\$330.00	\$220.00	\$9,550.00
37	811*	BACKFILL	111	CY	\$10.00	\$24.00	\$3,774.00	\$21.00	\$14.00	\$3,885.00
38	815	CRUSHED STONE OR GRAVEL	152	CY	\$50.00	\$50.00	\$15,200.00	\$18.00	\$12.00	\$4,560.00
39	816	1.5" WATER MAIN ABANDONED	3	EA	\$100.00	\$150.00	\$750.00	\$450.00	\$300.00	\$2,250.00
40	816	2" WATER MAIN ABANDONED	6	EA	\$100.00	\$150.00	\$1,500.00	\$450.00	\$300.00	\$4,500.00
41	SPEC	TEMPORARY SEEDING & MULCHING	1,577	SY	\$1.00	\$2.00	\$4,731.00	\$2.00	\$1.00	\$4,731.00
42	SPEC	1.5" X 3/4" WATER SVC. TAP TRANSFER	1,377	EA	\$3,000.00	\$1,500.00	\$81,000.00	\$2,040.00	\$1,360.00	\$61,200.00
.2	5120	TEMPORARY WATER MAIN & SVC.	10	2.1	40,000.00	\$1,000100	<i><b>Q</b>01,000.000</i>	\$2,010100	\$1,000100	<i>Q</i> 01,200,000
43	SPEC	CONNECTIONS	1	LS	\$5,000.00	\$5,000.00	\$10,000.00	\$18,000.00	\$12,000.00	\$30,000.00
44		PERMANENT PAVEMENT	925	CY	\$150.00	\$150.00	\$277,500.00	\$189.00	\$126.00	\$291,375.00
45	SPEC	HEAT WELDING	160	SY	\$25.00	\$22.00	\$7,520.00	\$60.00	\$40.00	\$16,000.00
	1	12" DUCTILE IRON WATER PIPE,								
		HORIZONTAL DIRECTIONAL DRILLING								
46	SPEC	(HDD)	413	LF	\$60.00	\$60.00	\$49,560.00	\$120.00	\$80.00	\$82,600.00
47	SPEC	SEDIMENT & EROSION CONTROLS	1	LS	\$1,000.00	\$1,000.00	\$2,000.00	\$1,500.00	\$1,000.00	\$2,500.00
48	SPEC	SURVEY COORDINATES	1	LS	\$500.00	\$4,500.00	\$5,000.00	\$6,000.00	\$4,000.00	\$10,000.00
49	SPEC*	ADDITIONAL HDD ACCESS PIT	2	EA	\$500.00	\$500.00	\$2,000.00	\$300.00	\$200.00	\$1,000.00
		8" WATER LINE SUPPORTED ON								
50	SPEC	STRUCTURE	209	LF	\$150.00	\$200.00	\$73,150.00	\$240.00	\$160.00	\$83,600.00
51	SPEC	PROJECT IDENTIFICATION SIGNS	7	EA	\$40.00	\$10.00	\$350.00	\$300.00	\$200.00	\$3,500.00
		Group 1 Subtotal:					\$3,031,519.00			\$3,181,450.00
		Group 1 Contingency (15%):							-	
							¢151 777 05			¢177 217 50
		Group I Contingency (15%):					\$454,727.85			\$477,217.50
		Group 1 Total:					\$454,727.85 \$3,486,246.85			\$477,217.50 \$3,658,667.50
	-	Group 1 Total: scription: E. 8th Avenue Water Line								
Group No. 2	-	Group 1 Total: scription: E. 8th Avenue Water Line nents, C.I.P. 690236-100108								
No. 2	Improvem	Group 1 Total: scription: E. 8th Avenue Water Line nents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT	637	SV	\$1.00	\$3.00	\$3,486,246.85	\$6.00	\$4.00	\$3,658,667.50
<b>No. 2</b> 52	Improven 254	Group 1 Total: scription: E. 8th Avenue Water Line nents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE	<u>637</u> 96	SY	\$1.00	\$3.00	\$3,486,246.85 \$2,548.00	\$6.00	\$4.00	\$3,658,667.50
No. 2	Improvem	Group 1 Total: scription: E. 8th Avenue Water Line nents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT	<u>637</u> 96	SY GAL	\$1.00 \$3.00	\$3.00 \$1.00	\$3,486,246.85	\$6.00 \$2.00	\$4.00 \$1.00	\$3,658,667.50
No. 2 52 53	<b>Improvem</b> 254 407	Group 1 Total: scription: E. 8th Avenue Water Line nents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT ASPHALT CONCRETE SURFACE	96	GAL	\$3.00	\$1.00	\$3,486,246.85 \$2,548.00 \$384.00	\$2.00	\$1.00	\$3,658,667.50 \$6,370.00 \$288.00
<b>No. 2</b> 52 53 54	<b>Improven</b> 254 407 448	Group 1 Total: scription: E. 8th Avenue Water Line nents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC) PG64-22M	96 27	GAL CY	\$3.00 \$120.00	\$1.00 \$100.00	\$3,486,246.85 \$2,548.00 \$384.00 \$5,940.00	\$2.00 \$165.00	\$1.00 \$110.00	\$3,658,667.50 \$6,370.00 \$288.00 \$7,425.00
No. 2 52 53 54 55	<b>Improven</b> 254 407 448 608	Group 1 Total: scription: E. 8th Avenue Water Line nents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC) PG64-22M CONCRETE WALK (4")	96	GAL CY SF	\$3.00 \$120.00 \$5.00	\$1.00 \$100.00 \$23.00	\$3,486,246.85 \$2,548.00 \$384.00 \$5,940.00 \$2,520.00	\$2.00 \$165.00 \$15.00	\$1.00 \$110.00 \$10.00	\$3,658,667.50 \$6,370.00 \$288.00 \$7,425.00 \$2,250.00
No. 2 52 53 54 55 56	<b>Improven</b> 254 407 448	Group 1 Total: scription: E. 8th Avenue Water Line nents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC) PG64-22M CONCRETE WALK (4") MAINTAINING TRAFFIC	96 27 90 1	GAL CY SF LS	\$3.00 \$120.00 \$5.00 \$4,000.00	\$1.00 \$100.00 \$23.00 \$4,000.00	\$3,486,246.85 \$2,548.00 \$384.00 \$5,940.00 \$2,520.00 \$8,000.00	\$2.00 \$165.00 \$15.00 \$9,000.00	\$1.00 \$110.00 \$10.00 \$6,000.00	\$3,658,667.50 \$6,370.00 \$288.00 \$7,425.00 \$2,250.00 \$15,000.00
No. 2 52 53 54 55 56 57	<b>Improven</b> 254 407 448 608 614	Group 1 Total: scription: E. 8th Avenue Water Line nents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC) PG64-22M CONCRETE WALK (4") MAINTAINING TRAFFIC TEMPORARY PAVEMENT	96 27	GAL CY SF LS SY	\$3.00 \$120.00 \$5.00 \$4,000.00 \$12.00	\$1.00 \$100.00 \$23.00 \$4,000.00 \$10.00	\$3,486,246.85 \$2,548.00 \$384.00 \$5,940.00 \$2,520.00 \$8,000.00 \$3,036.00	\$2.00 \$165.00 \$15.00 \$9,000.00 \$11.00	\$1.00 \$110.00 \$10.00 \$6,000.00 \$7.00	\$3,658,667.50 \$6,370.00 \$288.00 \$7,425.00 \$2,250.00 \$15,000.00 \$2,484.00
No. 2 52 53 54 55 56	Improvem           254           407           448           608           614           615	Group 1 Total: scription: E. 8th Avenue Water Line ments, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC) PG64-22M CONCRETE WALK (4") MAINTAINING TRAFFIC TEMPORARY PAVEMENT SEEDING & MULCHING	96 27 90 1 138	GAL CY SF LS	\$3.00 \$120.00 \$5.00 \$4,000.00 \$12.00 \$2.00	\$1.00 \$100.00 \$23.00 \$4,000.00 \$10.00 \$2.00	\$3,486,246.85 \$2,548.00 \$384.00 \$5,940.00 \$2,520.00 \$8,000.00 \$3,036.00 \$16.00	\$2.00 \$165.00 \$15.00 \$9,000.00 \$11.00 \$12.00	\$1.00 \$110.00 \$10.00 \$6,000.00 \$7.00 \$8.00	\$3,658,667.50 \$6,370.00 \$288.00 \$7,425.00 \$2,250.00 \$15,000.00
No. 2 52 53 54 55 56 57 58	Improvem           254           407           448           608           614           615           659	Group 1 Total: scription: E. 8th Avenue Water Line nents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC) PG64-22M CONCRETE WALK (4") MAINTAINING TRAFFIC TEMPORARY PAVEMENT SEEDING & MULCHING 6" WATER PIPE & FITTINGS	96 27 90 1 138 4	GAL CY SF LS SY SY LF	\$3.00 \$120.00 \$5.00 \$4,000.00 \$12.00	\$1.00 \$100.00 \$23.00 \$4,000.00 \$10.00 \$2.00 \$55.00	\$3,486,246.85 \$2,548.00 \$384.00 \$5,940.00 \$2,520.00 \$8,000.00 \$3,036.00 \$1,300.00	\$2.00 \$165.00 \$15.00 \$9,000.00 \$11.00	\$1.00 \$110.00 \$6,000.00 \$7.00 \$8.00 \$80.00	\$3,658,667.50 \$6,370.00 \$288.00 \$7,425.00 \$2,250.00 \$15,000.00 \$2,484.00 \$80.00 \$2,600.00
No. 2 52 53 54 55 56 57 58 59	Improvem           254           407           448           608           614           615           659           801	Group 1 Total: scription: E. 8th Avenue Water Line ments, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC) PG64-22M CONCRETE WALK (4") MAINTAINING TRAFFIC TEMPORARY PAVEMENT SEEDING & MULCHING	96 27 90 1 138 4 13	GAL CY SF LS SY SY	\$3.00 \$120.00 \$5.00 \$4,000.00 \$12.00 \$2.00 \$45.00	\$1.00 \$100.00 \$23.00 \$4,000.00 \$10.00 \$2.00	\$3,486,246.85 \$2,548.00 \$384.00 \$5,940.00 \$2,520.00 \$8,000.00 \$3,036.00 \$16.00	\$2.00 \$165.00 \$15.00 \$9,000.00 \$11.00 \$12.00 \$120.00	\$1.00 \$110.00 \$10.00 \$6,000.00 \$7.00 \$8.00	\$3,658,667.50 \$6,370.00 \$288.00 \$7,425.00 \$2,250.00 \$15,000.00 \$2,484.00 \$80.00
No. 2 52 53 54 55 56 57 58 59	Improvem           254           407           448           608           614           615           659           801	Group 1 Total: scription: E. 8th Avenue Water Line nents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC) PG64-22M CONCRETE WALK (4") MAINTAINING TRAFFIC TEMPORARY PAVEMENT SEEDING & MULCHING 6" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS	96 27 90 1 138 4 13	GAL CY SF LS SY SY LF	\$3.00 \$120.00 \$5.00 \$4,000.00 \$12.00 \$2.00 \$45.00	\$1.00 \$100.00 \$23.00 \$4,000.00 \$10.00 \$2.00 \$55.00	\$3,486,246.85 \$2,548.00 \$384.00 \$5,940.00 \$2,520.00 \$8,000.00 \$3,036.00 \$1,300.00	\$2.00 \$165.00 \$15.00 \$9,000.00 \$11.00 \$12.00 \$120.00	\$1.00 \$110.00 \$6,000.00 \$7.00 \$8.00 \$80.00	\$3,658,667.50 \$6,370.00 \$288.00 \$7,425.00 \$2,250.00 \$15,000.00 \$2,484.00 \$80.00 \$2,600.00
No. 2 52 53 54 55 56 57 58 59 60	Improvem           254           407           448           608           614           615           659           801	Group 1 Total: scription: E. 8th Avenue Water Line nents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC) PG64-22M CONCRETE WALK (4") MAINTAINING TRAFFIC TEMPORARY PAVEMENT SEEDING & MULCHING 6" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS CONCRETE BLOCKING CLASS C, INCR. OR DECR.	96 27 90 1 138 4 13 385	GAL CY SF LS SY SY LF LF LF	\$3.00 \$120.00 \$5.00 \$4,000.00 \$12.00 \$2.00 \$45.00 \$50.00	\$1.00 \$100.00 \$23.00 \$4,000.00 \$10.00 \$2.00 \$55.00 \$55.00	\$3,486,246.85 \$2,548.00 \$384.00 \$5,940.00 \$2,520.00 \$8,000.00 \$3,036.00 \$1,300.00 \$40,425.00	\$2.00 \$165.00 \$9,000.00 \$11.00 \$12.00 \$120.00 \$87.00	\$1.00 \$110.00 \$6,000.00 \$7.00 \$8.00 \$80.00 \$58.00	\$3,658,667.50 \$6,370.00 \$288.00 \$7,425.00 \$2,250.00 \$15,000.00 \$2,484.00 \$80.00 \$2,600.00 \$55,825.00
Solution         Solution           52         53           54         55           56         57           58         59           60         61	Improvem           254           407           448           608           614           615           659           801           801*	Group 1 Total: scription: E. 8th Avenue Water Line nents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC) PG64-22M CONCRETE WALK (4") MAINTAINING TRAFFIC TEMPORARY PAVEMENT SEEDING & MULCHING 6" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS CONCRETE BLOCKING CLASS C, INCR.	96 27 90 1 138 4 13 385 4	GAL CY SF LS SY SY LF LF CY	\$3.00 \$120.00 \$5.00 \$4,000.00 \$12.00 \$2.00 \$45.00 \$50.00 \$110.00	\$1.00 \$100.00 \$23.00 \$4,000.00 \$10.00 \$2.00 \$55.00 \$55.00 \$20.00	\$3,486,246.85 \$2,548.00 \$384.00 \$5,940.00 \$2,520.00 \$8,000.00 \$3,036.00 \$1,300.00 \$40,425.00 \$520.00	\$2.00 \$165.00 \$15.00 \$9,000.00 \$11.00 \$12.00 \$120.00 \$87.00 \$60.00	\$1.00 \$110.00 \$10.00 \$6,000.00 \$7.00 \$8.00 \$80.00 \$58.00 \$40.00	\$3,658,667.50 \$6,370.00 \$288.00 \$7,425.00 \$2,250.00 \$15,000.00 \$2,484.00 \$80.00 \$2,600.00 \$55,825.00 \$400.00 \$240.00
No. 2 52 53 54 55 56 57 58 59 60 61 62	Improvem           254           407           448           608           614           615           659           801           801*           801*	Group 1 Total: scription: E. 8th Avenue Water Line nents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC) PG64-22M CONCRETE WALK (4") MAINTAINING TRAFFIC TEMPORARY PAVEMENT SEEDING & MULCHING 6" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS CONCRETE BLOCKING CLASS C, INCR. OR DECR. D.I. FITTINGS, INCR. OR DECR.	96 27 90 1 138 4 13 385 4 240	GAL CY SF LS SY SY LF LF CY LBS	\$3.00 \$120.00 \$5.00 \$4,000.00 \$12.00 \$2.00 \$45.00 \$50.00 \$110.00 \$1.00	\$1.00 \$100.00 \$23.00 \$4,000.00 \$10.00 \$2.00 \$55.00 \$55.00 \$20.00 \$1.00	\$3,486,246.85 \$2,548.00 \$384.00 \$5,940.00 \$2,520.00 \$8,000.00 \$3,036.00 \$1,300.00 \$1,300.00 \$40,425.00 \$520.00 \$480.00	\$2.00 \$165.00 \$15.00 \$9,000.00 \$11.00 \$12.00 \$120.00 \$87.00 \$60.00 \$0.60	\$1.00 \$110.00 \$10.00 \$6,000.00 \$7.00 \$8.00 \$80.00 \$58.00 \$40.00 \$0.40	\$3,658,667.50 \$6,370.00 \$288.00 \$7,425.00 \$2,250.00 \$15,000.00 \$2,484.00 \$80.00 \$2,600.00 \$55,825.00 \$400.00
No. 2 52 53 54 55 56 57 58 59 60 61 62 63	Improvem           254           407           448           608           614           615           659           801           801*           802	Group 1 Total: Group 1 Total: scription: E. 8th Avenue Water Line nents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC) PG64-22M CONCRETE WALK (4") MAINTAINING TRAFFIC TEMPORARY PAVEMENT SEEDING & MULCHING 6" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS CONCRETE BLOCKING CLASS C, INCR. OR DECR. D.I. FITTINGS, INCR. OR DECR. 6" VALVE & APPURTENANCES	96 27 90 1 138 4 13 385 4 240	GAL CY SF LS SY LF LF LF CY LBS EA	\$3.00 \$120.00 \$5.00 \$4,000.00 \$12.00 \$2.00 \$45.00 \$50.00 \$110.00 \$1.00 \$500.00	\$1.00 \$100.00 \$23.00 \$4,000.00 \$10.00 \$2.00 \$55.00 \$55.00 \$20.00 \$1.00 \$410.00	\$3,486,246.85 \$2,548.00 \$384.00 \$5,940.00 \$2,520.00 \$8,000.00 \$1,300.00 \$1,300.00 \$40,425.00 \$520.00 \$480.00 \$1,820.00	\$2.00 \$165.00 \$15.00 \$9,000.00 \$11.00 \$12.00 \$120.00 \$87.00 \$60.00 \$0.60 \$720.00	\$1.00 \$110.00 \$10.00 \$6,000.00 \$7.00 \$8.00 \$80.00 \$58.00 \$40.00 \$0.40 \$480.00	\$3,658,667.50 \$6,370.00 \$288.00 \$7,425.00 \$2,250.00 \$15,000.00 \$2,484.00 \$80.00 \$2,600.00 \$55,825.00 \$400.00 \$240.00 \$2,400.00
No. 2 52 53 54 55 56 57 58 59 60 61 62 63 64	Improvem           254           407           448           608           614           615           659           801           801*           802	Group 1 Total: Group 1 Total: scription: E. 8th Avenue Water Line nents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC) PG64-22M CONCRETE WALK (4") MAINTAINING TRAFFIC TEMPORARY PAVEMENT SEEDING & MULCHING 6" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS CONCRETE BLOCKING CLASS C, INCR. OR DECR. D.I. FITTINGS, INCR. OR DECR. 6" VALVE & APPURTENANCES 8" VALVE & APPURTENANCES	96 27 90 1 138 4 13 385 4 240 2 1	GAL CY SF LS SY LF LF LF CY LBS EA EA	\$3.00 \$120.00 \$5.00 \$4,000.00 \$12.00 \$2.00 \$45.00 \$50.00 \$110.00 \$1.00 \$500.00 \$650.00	\$1.00 \$100.00 \$23.00 \$4,000.00 \$10.00 \$2.00 \$55.00 \$55.00 \$20.00 \$1.00 \$410.00 \$560.00	\$3,486,246.85 \$2,548.00 \$384.00 \$5,940.00 \$2,520.00 \$8,000.00 \$1,300.00 \$1,300.00 \$40,425.00 \$40,425.00 \$480.00 \$1,820.00 \$1,210.00	\$2.00 \$165.00 \$15.00 \$9,000.00 \$11.00 \$12.00 \$120.00 \$87.00 \$60.00 \$0.60 \$720.00 \$960.00	\$1.00 \$110.00 \$10.00 \$6,000.00 \$7.00 \$8.00 \$80.00 \$58.00 \$40.00 \$0.40 \$480.00 \$640.00	\$3,658,667.50 \$6,370.00 \$288.00 \$7,425.00 \$2,250.00 \$15,000.00 \$2,484.00 \$80.00 \$2,600.00 \$2,600.00 \$55,825.00 \$400.00 \$2,400.00 \$2,400.00 \$1,600.00
No. 2 52 53 54 55 56 57 58 59 60 61 62 63 64 65	Improvem           254           407           448           608           614           615           659           801           801*           802           805	Group 1 Total: Group 1 Total: scription: E. 8th Avenue Water Line nents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC) PG64-22M CONCRETE WALK (4") MAINTAINING TRAFFIC TEMPORARY PAVEMENT SEEDING & MULCHING 6" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS CONCRETE BLOCKING CLASS C, INCR. OR DECR. D.I. FITTINGS, INCR. OR DECR. 6" VALVE & APPURTENANCES 8" VALVE & APPURTENANCES 8" VALVE & APPURTENANCES 3/4" WATER SVC. TAP XFR'D, SHORT	$ \begin{array}{r}     96 \\     27 \\     90 \\     1 \\     138 \\     4 \\     13 \\     385 \\     4 \\     240 \\     2 \\     1 \\     2 \end{array} $	GAL CY SF LS SY LF LF LF CY LBS EA EA EA	\$3.00 \$120.00 \$5.00 \$4,000.00 \$12.00 \$2.00 \$45.00 \$50.00 \$110.00 \$1.00 \$500.00 \$650.00 \$600.00	\$1.00 \$100.00 \$23.00 \$4,000.00 \$10.00 \$2.00 \$55.00 \$55.00 \$20.00 \$1.00 \$410.00 \$410.00 \$560.00 \$735.00	\$3,486,246.85 \$2,548.00 \$384.00 \$5,940.00 \$2,520.00 \$3,036.00 \$1,300.00 \$40,425.00 \$520.00 \$4480.00 \$1,820.00 \$1,820.00 \$1,210.00 \$2,670.00	\$2.00 \$165.00 \$15.00 \$9,000.00 \$11.00 \$12.00 \$120.00 \$87.00 \$60.00 \$0.60 \$720.00 \$960.00 \$720.00	\$1.00 \$110.00 \$10.00 \$6,000.00 \$7.00 \$8.00 \$80.00 \$58.00 \$40.00 \$440.00 \$440.00 \$440.00 \$480.00 \$480.00	\$3,658,667.50 \$6,370.00 \$288.00 \$7,425.00 \$2,250.00 \$15,000.00 \$2,484.00 \$80.00 \$2,600.00 \$2,600.00 \$55,825.00 \$400.00 \$2,400.00 \$2,400.00 \$2,400.00 \$2,400.00
No. 2 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66	Improvem           254           407           448           608           614           615           659           801           801*           802           805	Group 1 Total: Group 1 Total: scription: E. 8th Avenue Water Line ents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC) PG64-22M CONCRETE WALK (4") MAINTAINING TRAFFIC TEMPORARY PAVEMENT SEEDING & MULCHING 6" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS CONCRETE BLOCKING CLASS C, INCR. OR DECR. D.I. FITTINGS, INCR. OR DECR. 6" VALVE & APPURTENANCES 8" VALVE & APPURTENANCES 8" VALVE & APPURTENANCES 3/4" WATER SVC. TAP XFR'D, SHORT 3/4" WATER SVC. TAP XFR'D, LONG	$ \begin{array}{r}     96 \\     27 \\     90 \\     1 \\     138 \\     4 \\     13 \\     385 \\     4 \\     240 \\     2 \\     1 \\     2 \\     3 \\ \end{array} $	GAL CY SF LS SY LF LF LF CY LBS EA EA EA EA	\$3.00 \$120.00 \$5.00 \$4,000.00 \$12.00 \$2.00 \$45.00 \$50.00 \$110.00 \$1.00 \$500.00 \$650.00 \$600.00 \$800.00	\$1.00 \$100.00 \$23.00 \$4,000.00 \$10.00 \$2.00 \$55.00 \$55.00 \$20.00 \$1.00 \$410.00 \$410.00 \$560.00 \$735.00 \$883.00	\$3,486,246.85 \$2,548.00 \$384.00 \$5,940.00 \$2,520.00 \$8,000.00 \$3,036.00 \$16.00 \$1,300.00 \$40,425.00 \$520.00 \$480.00 \$1,820.00 \$1,210.00 \$2,670.00 \$5,049.00	\$2.00 \$165.00 \$15.00 \$9,000.00 \$11.00 \$12.00 \$12.00 \$87.00 \$60.00 \$0.60 \$720.00 \$960.00 \$720.00 \$720.00	\$1.00 \$110.00 \$10.00 \$6,000.00 \$7.00 \$8.00 \$80.00 \$58.00 \$40.00 \$440.00 \$4480.00 \$480.00 \$480.00 \$480.00	\$3,658,667.50 \$6,370.00 \$288.00 \$7,425.00 \$2,250.00 \$15,000.00 \$2,484.00 \$80.00 \$2,600.00 \$2,600.00 \$25,825.00 \$400.00 \$2,400.00 \$2,400.00 \$1,600.00 \$2,400.00 \$2,400.00 \$2,400.00 \$2,400.00 \$2,400.00 \$3,600.00
No. 2           52           53           54           55           56           57           58           59           60           61           62           63           64           65           66           67	Improvem           254           407           448           608           614           615           659           801           801*           802           805           805*	Group 1 Total: Group 1 Total: scription: E. 8th Avenue Water Line ents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC) PG64-22M CONCRETE WALK (4") MAINTAINING TRAFFIC TEMPORARY PAVEMENT SEEDING & MULCHING 6" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS CONCRETE BLOCKING CLASS C, INCR. OR DECR. D.I. FITTINGS, INCR. OR DECR. 6" VALVE & APPURTENANCES 8" VALVE & APPURTENANCES 8" VALVE & APPURTENANCES 3'4" WATER SVC. TAP XFR'D, SHORT 3/4" WATER SVC. TAP XFR'D, LONG CURB BOX	$ \begin{array}{r}     96 \\     27 \\     90 \\     1 \\     138 \\     4 \\     13 \\     385 \\     4 \\     240 \\     2 \\     1 \\     2 \\     3 \\ \end{array} $	GAL CY SF LS SY LF LF LF CY LBS EA EA EA EA	\$3.00 \$120.00 \$5.00 \$4,000.00 \$12.00 \$2.00 \$45.00 \$50.00 \$110.00 \$1.00 \$500.00 \$650.00 \$600.00 \$800.00 \$40.00	\$1.00 \$100.00 \$23.00 \$4,000.00 \$10.00 \$2.00 \$55.00 \$55.00 \$20.00 \$1.00 \$410.00 \$410.00 \$560.00 \$735.00 \$883.00 \$28.00	\$3,486,246.85 \$2,548.00 \$384.00 \$5,940.00 \$2,520.00 \$8,000.00 \$3,036.00 \$16.00 \$1,300.00 \$40,425.00 \$40,425.00 \$480.00 \$1,820.00 \$1,820.00 \$1,210.00 \$2,670.00 \$5,049.00 \$340.00	\$2.00 \$165.00 \$15.00 \$9,000.00 \$11.00 \$12.00 \$120.00 \$87.00 \$60.00 \$0.60 \$720.00 \$960.00 \$720.00 \$720.00 \$300.00	\$1.00 \$110.00 \$10.00 \$6,000.00 \$7.00 \$8.00 \$80.00 \$58.00 \$40.00 \$440.00 \$440.00 \$448.00 \$480.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$400.00 \$4	\$3,658,667.50 \$6,370.00 \$288.00 \$7,425.00 \$2,250.00 \$15,000.00 \$2,484.00 \$80.00 \$2,600.00 \$2,600.00 \$2,600.00 \$2,400.00 \$2,500.00

Ref.		Elite Excavating Co. of Ohio, Inc.		
No. Item No. Description Qty Units Materials Labor Extension Materials	Labor	Extension		
70         SPEC         TEMPORARY SEEDING & MULCHING         4         SY         \$2.00         \$16.00         \$1.00	\$1.00	\$8.00		
71         SPEC         PERMANENT PAVEMENT         34         CY         \$150.00         \$10,200.00         \$165.00	\$110.00	\$9,350.00		
72         SPEC*         SEDIMENT & EROSION CONTROLS         1         LS         \$1,000.00         \$2,000.00         \$150.00	\$100.00	\$250.00		
73         SPEC         SURVEY COORDINATES         1         LS         \$500.00         \$1,500.00         \$2,000.00         \$300.00	\$200.00	\$500.00		
74         SPEC         PROJECT IDENTIFICATION SIGNS         1         EA         \$40.00         \$10.00         \$50.00         \$300.00	\$200.00	\$500.00		
Group 2 Subtotal: \$94,068.00		\$119,550.00		
Group 2 Contingency (15%): \$14,110.20		\$17,932.50		
Group 2 Total: \$108,178.20		\$137,482.50		
COMBINED CONTINGENCY (15% of				
75 SPEC Groups 1-2) \$468,838.05		\$495,150.00		
COMBINED GRAND TOTAL: \$3,594,425.05		\$3,796,150.00		
% DIFFERENCE FROM ENGINEER'S ESTIMATE		5.61%		
% DIFFERENCE WITHIN LOWEST BIDDER		8.86%		
(1) Addendum Ackldgmnt. Completed?		yes		
Contract Compliance No.	20-1643186 (6	exp. 6/22/19, MAJ, 1064)		
Bid Proposal Signature Affidavit Completed?		yes		
Bonding Company (Form B2)		Travelers		
Proposed Subs listed?		yes		
Bid Affidavit Complete? (Form B9) Prime & (applicable) Subs Prequalified to Bid?		yes		
Notarized Statement of HDD experience included?		yes yes but not notarized		
Applicable Loan Forms Included? (B10, 11, 12.2, 12.3, 13)	Vec	(Rath Builders {EDGE})		
		Cert. of Compliance not		

1. Surety's financial statement & Cert. of Compliance not included. 2 HDD statement not notarized (can ask for one per Atty.)

Elite Excavating Co. Ohio, Inc. 4500 Snodgrass Rd. Mansfield, OH 44903 M. Scott Fulmer, President (419) 683-4200 <u>eliteexc1@aol.com</u> Patricia Ann Fulmer, V.P./Traesurer

Dale A. Stevens, Secretary

						Engineer's Esti	imate		Shelly & Sands	, Inc.
Ref.										
No.	Item No.		Qty	Units	Materials	Labor	Extension	Materials	Labor	Extension
-	<b>•</b>	scription: Maize Road Area Water Line								
No. 1	Improven	nents, C.I.P. 690236-100071								
		PAVEMENT PLANING, ASPHALT								
1	254	CONCRETE	13,216	SY	\$1.00	\$3.00	\$52,864.00	\$1.50	\$1.50	\$39,648.00
		DRIVEWAY PAVEMENT REPL., TYPE III								
2	259	A (ASPHALT)	27	CY	\$150.00	\$150.00	\$8,100.00	\$350.00	\$350.00	\$18,900.00
		DRIVEWAY PAVEMENT REPL., TYPE III								
3	259	B (CONCRETE)	41	CY	\$150.00	\$50.00	\$8,200.00	\$325.00	\$325.00	\$26,650.00
		DRIVEWAY PAVEMENT REPL., TYPE III								
4	259	C (GRAVEL)	17	CY	\$50.00	\$40.00	\$1,530.00	\$85.00	\$85.00	\$2,890.00
5	407	TACK COAT	1,982	GAL	\$3.00	\$1.00	\$7,928.00	\$1.25	\$1.25	\$4,955.00
		ASPHALT CONCRETE SURFACE								
6	448	COURSE (HEAVY TRAFFIC) PG64-22M	301	CY	\$140.00	\$100.00	\$72,240.00	\$96.50	\$96.50	\$58,093.00
		ASPHALT CONCRETE SURFACE								
7	448	COURSE (MEDIUM TRAFFIC) PG64-22M	245	CY	\$120.00	\$100.00	\$53,900.00	\$96.50	\$96.50	\$47,285.00
8	608	CONCRETE WALK	927	SF	\$5.00	\$23.00	\$25,956.00	\$7.50	\$7.50	\$13,905.00
9	614	MAINTAINING TRAFFIC	1	LS	\$30,000.00	\$50,000.00	\$80,000.00	\$195,000.00	\$195,000.00	\$390,000.00
10	615	TEMPORARY PAVEMENT	3,701	SY	\$12.00	\$10.00	\$81,422.00	\$0.40	\$0.40	\$2,960.80
11	632	DETECTOR LOOP	3	EA	\$1,500.00	\$1,500.00	\$9,000.00	\$1,000.00	\$1,000.00	\$6,000.00
12	659	SEEDING & MULCHING	1,577	SY	\$1.00	\$2.00	\$4,731.00	\$2.50	\$2.50	\$7,885.00
13	801	6" WATER PIPE & FITTINGS	940	LF	\$45.00	\$55.00	\$94,000.00	\$52.50	\$52.50	\$98,700.00
14	801	8" WATER PIPE & FITTINGS	8,781	LF	\$50.00	\$55.00	\$922,005.00	\$47.50	\$47.50	\$834,195.00
15	801	12" WATER PIPE & FITTINGS	4,412	LF	\$60.00	\$55.00	\$507,380.00	\$56.00	\$56.00	\$494,144.00
		CONCRETE BLOCKING CLASS C, INCR.								
16	801*	OR DECR.	18	CY	\$110.00	\$20.00	\$2,340.00	\$55.00	\$55.00	\$1,980.00
17	801*	D.I. FITTINGS, INCR. OR DECR.	1,047	LBS	\$1.00	\$1.00	\$2,094.00	\$1.40	\$1.40	\$2,931.60
18	802	6" VALVE & APPURTENANCES	46	EA	\$500.00	\$410.00	\$41,860.00	\$575.00	\$575.00	\$52,900.00
19	802	8" VALVE & APPURTENANCES	27	EA	\$650.00	\$560.00	\$32,670.00	\$725.00	\$725.00	\$39,150.00
20	802	12" VALVE & APPURTENANCES	6	EA	\$1,000.00	\$900.00	\$11,400.00	\$1,062.50	\$1,062.50	\$12,750.00
21	805	3/4" WATER SVC. TAP XFR'D, SHORT	94	EA	\$600.00	\$735.00	\$125,490.00	\$875.00	\$875.00	\$164,500.00
22	805	3/4" WATER SVC. TAP XFR'D, LONG	98	EA	\$800.00	\$883.00	\$164,934.00	\$1,075.00	\$1,075.00	\$210,700.00
23	805	1" WATER SVC. TAP XFR'D, SHORT	2	EA	\$650.00	\$750.00	\$2,800.00	\$912.50	\$912.50	\$3,650.00
24	805	1" WATER SVC. TAP XFR'D, LONG	5	EA	\$850.00	\$850.00	\$8,500.00	\$1,125.00	\$1,125.00	\$11,250.00
25	805	1.5" WATER SVC. TAP XFR'D, SHORT	1	EA	\$700.00	\$800.00	\$1,500.00	\$1,355.00	\$1,355.00	\$2,710.00
26	805	1.5" WATER SVC. TAP XFR'D, LONG	1	EA	\$900.00	\$900.00	\$1,800.00	\$1,375.00	\$1,375.00	\$2,750.00
27	805	2" WATER SVC. TAP XFR'D, SHORT	5	EA	\$800.00	\$900.00	\$8,500.00	\$1,325.00	\$1,325.00	\$13,250.00
28	805	2" WATER SVC. TAP XFR'D, LONG	1	EA	\$1,000.00	\$950.00	\$1,950.00	\$1,750.00	\$1,750.00	\$3,500.00
29	805	6" WATER SVC. TAP XFR'D	1	EA	\$1,200.00	\$1,000.00	\$2,200.00	\$3,050.00	\$3,050.00	\$6,100.00
30	805*	CURB BOX	280	EA	\$40.00	\$28.00	\$19,040.00	\$30.75	\$30.75	\$17,220.00
31	805*	C.I. FERRULE VALVE BOX & COVER	29	EA	\$210.00	\$40.00	\$7,250.00	\$30.00	\$30.00	\$1,740.00
32	809	FIRE HYDRANT	38	EA	\$2,500.00	\$500.00	\$114,000.00	\$1,462.50	\$1,462.50	\$111,150.00
33	810*	6" HYDRANT EXTENSIONS	3	EA	\$300.00	\$150.00	\$1,350.00	\$313.50	\$313.50	\$1,881.00
34	810*	12" HYDRANT EXTENSIONS	3	EA	\$400.00	\$175.00	\$1,725.00	\$335.00	\$335.00	\$2,010.00
35	810*	18" HYDRANT EXTENSIONS	4	EA	\$500.00	\$200.00	\$2,800.00	\$365.00	\$365.00	\$2,920.00

D C	T			_		Engineer's Est	imate		Shelly & Sands	, Inc.
Ref. No.	Item No.	Description	Qty	Units	Materials	Labor	Extension	Materials	Labor	Extension
36		24" HYDRANT EXTENSIONS	17	EA	\$600.00	\$225.00	\$14,025.00	\$375.00	\$375.00	\$12,750.00
20	010	INCR. OR DECR. IN EXCAVATION &	17	2.1	<b>\$000100</b>	\$ <b>2201</b> 00	¢11,020100	<i><b>Q</b>UUUUUUUUUUUUU</i>	4070100	\$1 <b>2</b> ,700100
37	811*	BACKFILL	111	CY	\$10.00	\$24.00	\$3,774.00	\$15.00	\$15.00	\$3,330.00
38		CRUSHED STONE OR GRAVEL	152	CY	\$50.00	\$50.00	\$15,200.00	\$31.00	\$31.00	\$9,424.00
39	816	1.5" WATER MAIN ABANDONED	3	ĒA	\$100.00	\$150.00	\$750.00	\$312.50	\$312.50	\$1,875.00
40	816	2" WATER MAIN ABANDONED	6	EA	\$100.00	\$150.00	\$1,500.00	\$312.50	\$312.50	\$3,750.00
41	SPEC	TEMPORARY SEEDING & MULCHING	1,577	SY	\$1.00	\$2.00	\$4,731.00	\$1.50	\$1.50	\$4,731.00
42	SPEC	1.5" X 3/4" WATER SVC. TAP TRANSFER	18	EA	\$3,000.00	\$1,500.00	\$81,000.00	\$1,375.00	\$1,375.00	\$49,500.00
		TEMPORARY WATER MAIN & SVC.								
43	SPEC	CONNECTIONS	1	LS	\$5,000.00	\$5,000.00	\$10,000.00	\$17,500.00	\$17,500.00	\$35,000.00
44	SPEC	PERMANENT PAVEMENT	925	CY	\$150.00	\$150.00	\$277,500.00	\$97.50	\$97.50	\$180,375.00
45	SPEC	HEAT WELDING	160	SY	\$25.00	\$22.00	\$7,520.00	\$27.50	\$27.50	\$8,800.00
		12" DUCTILE IRON WATER PIPE,								
		HORIZONTAL DIRECTIONAL DRILLING								
46	SPEC	(HDD)	413	LF	\$60.00	\$60.00	\$49,560.00	\$72.50	\$72.50	\$59,885.00
47		SEDIMENT & EROSION CONTROLS	1	LS	\$1,000.00	\$1,000.00	\$2,000.00	\$11,500.00	\$11,500.00	\$23,000.00
48		SURVEY COORDINATES	1	LS	\$500.00	\$4,500.00	\$5,000.00	\$9,000.00	\$9,000.00	\$18,000.00
49	SPEC*	ADDITIONAL HDD ACCESS PIT	2	EA	\$500.00	\$500.00	\$2,000.00	\$1,500.00	\$1,500.00	\$6,000.00
		8" WATER LINE SUPPORTED ON								
50	SPEC	STRUCTURE	209	LF	\$150.00	\$200.00	\$73,150.00	\$157.50	\$157.50	\$65,835.00
51	SPEC	PROJECT IDENTIFICATION SIGNS	7	EA	\$40.00	\$10.00	\$350.00	\$450.00	\$450.00	\$6,300.00
		Group 1 Subtotal:					\$3,031,519.00			\$3,199,808.40
		Group 1 Contingency (15%):					\$454,727.85			\$479,971.26
		Group i Contingency (1576).					\$454,727.85			\$479,971.20
		Group 1 Total:					\$3,486,246.85			\$3,679,779.66
		scription: E. 8th Avenue Water Line								
roup	Group Des									
	-	ents, C.I.P. 690236-100108								
	Improvem	-					[		Г Г	
<b>[0. 2</b> ]	Improvem	ents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT	637	SY	\$1.00	\$3.00	\$2,548.00	\$5.00	\$5.00	\$6,370.00
<b>6.2</b>	Improvem	nents, C.I.P. 690236-100108	637 96	SY GAL	\$1.00 \$3.00	\$3.00 \$1.00	\$2,548.00 \$384.00	\$5.00 \$1.25	\$5.00 \$1.25	\$6,370.00 \$240.00
<b>10.2</b> 52	Improvem 254	ents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE			\$1.00 \$3.00					
52 53	Improvem 254	ents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT								
52 53 54	<b>Improvem</b> 254 407 448	PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT ASPHALT CONCRETE SURFACE	96	GAL	\$3.00	\$1.00	\$384.00	\$1.25	\$1.25	\$240.00
52 53 54 55	<b>Improvem</b> 254 407 448	ents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC) PG64-22M	96 27	GAL CY	\$3.00 \$120.00	\$1.00 \$100.00	\$384.00 \$5,940.00	\$1.25 \$137.50	\$1.25 \$137.50	\$240.00 \$7,425.00
52 53 54 55 56 57	Improvem           254           407           448           608           614           615	ents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC) PG64-22M CONCRETE WALK (4") MAINTAINING TRAFFIC TEMPORARY PAVEMENT	96 27 90	GAL CY SF LS SY	\$3.00 \$120.00 \$5.00 \$4,000.00 \$12.00	\$1.00 \$100.00 \$23.00 \$4,000.00 \$10.00	\$384.00 \$5,940.00 \$2,520.00 \$8,000.00 \$3,036.00	\$1.25 \$137.50 \$9.00 \$15,000.00 \$0.40	\$1.25 \$137.50 \$9.00 \$15,000.00 \$0.40	\$240.00 \$7,425.00 \$1,620.00 \$30,000.00 \$110.40
52 53 54 55 56 57 58	Improvem           254           407           448           608           614           615           659	ents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC) PG64-22M CONCRETE WALK (4") MAINTAINING TRAFFIC	96 27 90 1	GAL CY SF LS SY SY	\$3.00 \$120.00 \$5.00 \$4,000.00 \$12.00 \$2.00	\$1.00 \$100.00 \$23.00 \$4,000.00 \$10.00 \$2.00	\$384.00 \$5,940.00 \$2,520.00 \$8,000.00	\$1.25 \$137.50 \$9.00 \$15,000.00 \$0.40 \$7.94	\$1.25 \$137.50 \$9.00 \$15,000.00 \$0.40 \$7.95	\$240.00 \$7,425.00 \$1,620.00 \$30,000.00
52 53 54 55 56 57 58	Improvem           254           407           448           608           614           615           659           801	ents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC) PG64-22M CONCRETE WALK (4") MAINTAINING TRAFFIC TEMPORARY PAVEMENT SEEDING & MULCHING 6" WATER PIPE & FITTINGS	96 27 90 1 138 4 13	GAL CY SF LS SY SY LF	\$3.00 \$120.00 \$5.00 \$4,000.00 \$12.00 \$2.00 \$45.00	\$1.00 \$100.00 \$23.00 \$4,000.00 \$10.00	\$384.00 \$5,940.00 \$2,520.00 \$8,000.00 \$3,036.00 \$16.00 \$1,300.00	\$1.25 \$137.50 \$9.00 \$15,000.00 \$0.40	\$1.25 \$137.50 \$9.00 \$15,000.00 \$0.40 \$7.95 \$142.50	\$240.00 \$7,425.00 \$1,620.00 \$30,000.00 \$110.40
52           53           54           55           56           57           58           59	Improvem           254           407           448           608           614           615           659           801	ents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC) PG64-22M CONCRETE WALK (4") MAINTAINING TRAFFIC TEMPORARY PAVEMENT SEEDING & MULCHING 6" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS	96 27 90 1 138 4	GAL CY SF LS SY SY	\$3.00 \$120.00 \$5.00 \$4,000.00 \$12.00 \$2.00	\$1.00 \$100.00 \$23.00 \$4,000.00 \$10.00 \$2.00	\$384.00 \$5,940.00 \$2,520.00 \$8,000.00 \$3,036.00 \$16.00	\$1.25 \$137.50 \$9.00 \$15,000.00 \$0.40 \$7.94	\$1.25 \$137.50 \$9.00 \$15,000.00 \$0.40 \$7.95	\$240.00 \$7,425.00 \$1,620.00 \$30,000.00 \$110.40 \$63.56
52           53           54           55           56           57           58           59	Improvem           254           407           448           608           614           615           659           801	ents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC) PG64-22M CONCRETE WALK (4") MAINTAINING TRAFFIC TEMPORARY PAVEMENT SEEDING & MULCHING 6" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS CONCRETE BLOCKING CLASS C, INCR.	96 27 90 1 138 4 13	GAL CY SF LS SY SY LF LF LF	\$3.00 \$120.00 \$5.00 \$4,000.00 \$12.00 \$2.00 \$45.00	\$1.00 \$100.00 \$23.00 \$4,000.00 \$10.00 \$2.00 \$55.00	\$384.00 \$5,940.00 \$2,520.00 \$8,000.00 \$3,036.00 \$16.00 \$1,300.00	\$1.25 \$137.50 \$9.00 \$15,000.00 \$0.40 \$7.94 \$142.50	\$1.25 \$137.50 \$9.00 \$15,000.00 \$0.40 \$7.95 \$142.50	\$240.00 \$7,425.00 \$1,620.00 \$30,000.00 \$110.40 \$63.56 \$3,705.00
52           53           54           55           56           57           58           59           60	Improvem           254           407           448           608           614           615           659           801           801*	ents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC) PG64-22M CONCRETE WALK (4") MAINTAINING TRAFFIC TEMPORARY PAVEMENT SEEDING & MULCHING 6" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS CONCRETE BLOCKING CLASS C, INCR. OR DECR.	96 27 90 1 138 4 13 385 4	GAL CY SF LS SY SY LF	\$3.00 \$120.00 \$5.00 \$4,000.00 \$12.00 \$2.00 \$45.00	\$1.00 \$100.00 \$23.00 \$4,000.00 \$10.00 \$2.00 \$55.00	\$384.00 \$5,940.00 \$2,520.00 \$8,000.00 \$3,036.00 \$16.00 \$1,300.00 \$40,425.00 \$520.00	\$1.25 \$137.50 \$9.00 \$15,000.00 \$0.40 \$7.94 \$142.50 \$57.50 \$55.00	\$1.25 \$137.50 \$9.00 \$15,000.00 \$0.40 \$7.95 \$142.50 \$57.50 \$55.00	\$240.00 \$7,425.00 \$1,620.00 \$30,000.00 \$110.40 \$63.56 \$3,705.00 \$44,275.00 \$440.00
<b>o. 2</b> 552 553 554 555 556 557 558 559 660 61 62	Improvem           254           407           448           608           614           615           659           801           801*           801*	ents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC) PG64-22M CONCRETE WALK (4") MAINTAINING TRAFFIC TEMPORARY PAVEMENT SEEDING & MULCHING 6" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS CONCRETE BLOCKING CLASS C, INCR. OR DECR. D.I. FITTINGS, INCR. OR DECR.	96 27 90 1 138 4 13 385 4 240	GAL CY SF LS SY SY LF LF CY LBS	\$3.00 \$120.00 \$5.00 \$4,000.00 \$12.00 \$2.00 \$45.00 \$50.00 \$110.00 \$1.00	\$1.00 \$100.00 \$23.00 \$4,000.00 \$10.00 \$2.00 \$55.00 \$55.00 \$20.00 \$1.00	\$384.00 \$5,940.00 \$2,520.00 \$8,000.00 \$3,036.00 \$16.00 \$1,300.00 \$40,425.00 \$520.00 \$480.00	\$1.25 \$137.50 \$9.00 \$15,000.00 \$0.40 \$7.94 \$142.50 \$57.50 \$55.00 \$1.40	\$1.25 \$137.50 \$9.00 \$15,000.00 \$0.40 \$7.95 \$142.50 \$57.50 \$55.00 \$1.40	\$240.00 \$7,425.00 \$1,620.00 \$30,000.00 \$110.40 \$63.56 \$3,705.00 \$44,275.00 \$440.00 \$672.00
<b>o. 2</b> 52 53 54 55 56 57 58 59 60 51 52	Improvem           254           407           448           608           614           615           659           801           801*           802	ents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC) PG64-22M CONCRETE WALK (4") MAINTAINING TRAFFIC TEMPORARY PAVEMENT SEEDING & MULCHING 6" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS CONCRETE BLOCKING CLASS C, INCR. OR DECR. D.I. FITTINGS, INCR. OR DECR. 6" VALVE & APPURTENANCES	96 27 90 1 138 4 13 385 4	GAL CY SF LS SY SY LF LF CY	\$3.00 \$120.00 \$5.00 \$4,000.00 \$12.00 \$2.00 \$45.00 \$50.00 \$110.00 \$1.00 \$500.00	\$1.00 \$100.00 \$23.00 \$4,000.00 \$10.00 \$2.00 \$55.00 \$55.00 \$20.00 \$1.00 \$410.00	\$384.00 \$5,940.00 \$2,520.00 \$8,000.00 \$3,036.00 \$1,6.00 \$1,300.00 \$40,425.00 \$520.00 \$480.00 \$1,820.00	\$1.25 \$137.50 \$9.00 \$15,000.00 \$0.40 \$7.94 \$142.50 \$57.50 \$55.00 \$1.40 \$562.50	\$1.25 \$137.50 \$9.00 \$15,000.00 \$0.40 \$7.95 \$142.50 \$57.50 \$55.00 \$1.40 \$562.50	\$240.00 \$7,425.00 \$1,620.00 \$30,000.00 \$110.40 \$63.56 \$3,705.00 \$44,275.00 \$44,275.00 \$440.00 \$672.00 \$2,250.00
52         53           54         55           55         56           57         58           59         60           61         62           63         63	Improvem           254           407           448           608           614           615           659           801           801*           802	ents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC) PG64-22M CONCRETE WALK (4") MAINTAINING TRAFFIC TEMPORARY PAVEMENT SEEDING & MULCHING 6" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS CONCRETE BLOCKING CLASS C, INCR. OR DECR. D.I. FITTINGS, INCR. OR DECR. 6" VALVE & APPURTENANCES 8" VALVE & APPURTENANCES	96 $27$ 90 1 138 4 13 385 4 240 2 1	GAL CY SF LS SY SY LF LF CY LBS EA EA	\$3.00 \$120.00 \$5.00 \$4,000.00 \$12.00 \$2.00 \$45.00 \$50.00 \$110.00 \$1.00 \$500.00 \$650.00	\$1.00 \$100.00 \$23.00 \$4,000.00 \$10.00 \$2.00 \$55.00 \$55.00 \$20.00 \$1.00 \$410.00 \$560.00	\$384.00 \$5,940.00 \$2,520.00 \$8,000.00 \$3,036.00 \$1,6.00 \$1,300.00 \$40,425.00 \$520.00 \$480.00 \$1,820.00 \$1,210.00	\$1.25 \$137.50 \$9.00 \$15,000.00 \$0.40 \$7.94 \$142.50 \$57.50 \$55.00 \$1.40 \$562.50 \$712.50	\$1.25 \$137.50 \$9.00 \$15,000.00 \$0.40 \$7.95 \$142.50 \$57.50 \$55.00 \$1.40 \$562.50 \$712.50	\$240.00 \$7,425.00 \$1,620.00 \$30,000.00 \$110.40 \$63.56 \$3,705.00 \$44,275.00 \$44,275.00 \$440.00 \$672.00 \$2,250.00 \$1,425.00
52           53           54           55           56           57           58           59           60           61           62           63           64           65	Improvem           254           407           448           608           614           615           659           801           801*           802           805	ents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC) PG64-22M CONCRETE WALK (4") MAINTAINING TRAFFIC TEMPORARY PAVEMENT SEEDING & MULCHING 6" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS CONCRETE BLOCKING CLASS C, INCR. OR DECR. D.I. FITTINGS, INCR. OR DECR. 6" VALVE & APPURTENANCES 8" VALVE & APPURTENANCES 3/4" WATER SVC. TAP XFR'D, SHORT	96 $27$ 90 1 138 4 13 385 4 240 2 1 2	GAL CY SF LS SY SY LF LF CY LBS EA	\$3.00 \$120.00 \$5.00 \$4,000.00 \$12.00 \$2.00 \$45.00 \$50.00 \$110.00 \$1.00 \$500.00 \$650.00 \$600.00	\$1.00 \$100.00 \$23.00 \$4,000.00 \$10.00 \$2.00 \$55.00 \$55.00 \$20.00 \$1.00 \$410.00 \$410.00 \$560.00 \$735.00	\$384.00 \$5,940.00 \$2,520.00 \$8,000.00 \$3,036.00 \$16.00 \$1,300.00 \$40,425.00 \$520.00 \$480.00 \$1,820.00 \$1,210.00 \$2,670.00	\$1.25 \$137.50 \$9.00 \$15,000.00 \$0.40 \$7.94 \$142.50 \$57.50 \$55.00 \$1.40 \$562.50 \$712.50 \$875.00	\$1.25 \$137.50 \$9.00 \$15,000.00 \$0.40 \$7.95 \$142.50 \$57.50 \$55.00 \$1.40 \$562.50 \$712.50 \$875.00	\$240.00 \$7,425.00 \$1,620.00 \$30,000.00 \$110.40 \$63.56 \$3,705.00 \$44,275.00 \$44,275.00 \$44,275.00 \$440.00 \$672.00 \$2,250.00 \$1,425.00 \$3,500.00
52 53 54 55 55 55 55 60 61 62 63 64 65 66	Improvem           254           407           448           608           614           615           659           801           801*           802           805	ents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC) PG64-22M CONCRETE WALK (4") MAINTAINING TRAFFIC TEMPORARY PAVEMENT SEEDING & MULCHING 6" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS CONCRETE BLOCKING CLASS C, INCR. OR DECR. D.I. FITTINGS, INCR. OR DECR. 6" VALVE & APPURTENANCES 8" VALVE & APPURTENANCES 3/4" WATER SVC. TAP XFR'D, SHORT 3/4" WATER SVC. TAP XFR'D, LONG	96 $27$ $90$ $1$ $138$ $4$ $13$ $385$ $4$ $240$ $2$ $1$ $2$ $3$	GAL CY SF LS SY SY LF LF CY LBS EA EA EA	\$3.00 \$120.00 \$5.00 \$4,000.00 \$12.00 \$2.00 \$45.00 \$50.00 \$110.00 \$1.00 \$500.00 \$650.00 \$600.00 \$800.00	\$1.00 \$100.00 \$23.00 \$4,000.00 \$10.00 \$2.00 \$55.00 \$55.00 \$20.00 \$1.00 \$410.00 \$410.00 \$560.00 \$735.00 \$883.00	\$384.00 \$5,940.00 \$2,520.00 \$8,000.00 \$3,036.00 \$16.00 \$1,300.00 \$40,425.00 \$520.00 \$480.00 \$1,820.00 \$1,820.00 \$1,210.00 \$2,670.00 \$5,049.00	\$1.25 \$137.50 \$9.00 \$15,000.00 \$0.40 \$7.94 \$142.50 \$57.50 \$55.00 \$1.40 \$562.50 \$712.50 \$875.00 \$1,100.00	\$1.25 \$137.50 \$9.00 \$15,000.00 \$0.40 \$7.95 \$142.50 \$57.50 \$55.00 \$1.40 \$562.50 \$712.50 \$875.00 \$1,100.00	\$240.00 \$7,425.00 \$1,620.00 \$30,000.00 \$110.40 \$63.56 \$3,705.00 \$44,275.00 \$44,000 \$6,72.00 \$4,40.00 \$6,600.00 \$6,600.00
io. 2           52           53           54           55           56           57           58           59           60           61           62           63           64           65           66           67	Improvem           254           407           448           608           614           615           659           801           801*           802           802           805           805*	ents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC) PG64-22M CONCRETE WALK (4") MAINTAINING TRAFFIC TEMPORARY PAVEMENT SEEDING & MULCHING 6" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS CONCRETE BLOCKING CLASS C, INCR. OR DECR. D.I. FITTINGS, INCR. OR DECR. 6" VALVE & APPURTENANCES 8" VALVE & APPURTENANCES 3/4" WATER SVC. TAP XFR'D, SHORT 3/4" WATER SVC. TAP XFR'D, LONG CURB BOX	96 $27$ 90 1 138 4 13 385 4 240 2 1 2	GAL CY SF LS SY LF LF LF CY LBS EA EA EA EA	\$3.00 \$120.00 \$5.00 \$4,000.00 \$12.00 \$2.00 \$45.00 \$50.00 \$110.00 \$1.00 \$500.00 \$650.00 \$600.00 \$800.00 \$40.00	\$1.00 \$100.00 \$23.00 \$4,000.00 \$10.00 \$2.00 \$55.00 \$55.00 \$20.00 \$1.00 \$410.00 \$410.00 \$560.00 \$735.00 \$883.00 \$28.00	\$384.00 \$5,940.00 \$2,520.00 \$8,000.00 \$3,036.00 \$16.00 \$1,300.00 \$40,425.00 \$40,425.00 \$40,425.00 \$480.00 \$1,820.00 \$1,820.00 \$1,210.00 \$2,670.00 \$5,049.00 \$340.00	\$1.25 \$137.50 \$9.00 \$15,000.00 \$0.40 \$7.94 \$142.50 \$57.50 \$55.00 \$1.40 \$562.50 \$712.50 \$875.00 \$1,100.00 \$30.75	\$1.25 \$137.50 \$9.00 \$15,000.00 \$0.40 \$7.95 \$142.50 \$57.50 \$55.00 \$1.40 \$562.50 \$712.50 \$875.00 \$1,100.00 \$30.75	\$240.00 \$7,425.00 \$1,620.00 \$30,000.00 \$110.40 \$63.56 \$3,705.00 \$44,275.00 \$4,425.00 \$3,500.00 \$3,500.00 \$3,500.00 \$3,500.00 \$3,500.00 \$3,500.00
52           53           54           55           56           57           58           59           60           61           62           63           64           65           66           67	Improvem           254           407           448           608           614           615           659           801           801*           802           802           805           805*	ents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC) PG64-22M CONCRETE WALK (4") MAINTAINING TRAFFIC TEMPORARY PAVEMENT SEEDING & MULCHING 6" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS CONCRETE BLOCKING CLASS C, INCR. OR DECR. D.I. FITTINGS, INCR. OR DECR. 6" VALVE & APPURTENANCES 8" VALVE & APPURTENANCES 3/4" WATER SVC. TAP XFR'D, SHORT 3/4" WATER SVC. TAP XFR'D, LONG CURB BOX FIRE HYDRANT	96 $27$ $90$ $1$ $138$ $4$ $13$ $385$ $4$ $240$ $2$ $1$ $2$ $3$	GAL CY SF LS SY SY LF LF CY LBS EA EA EA	\$3.00 \$120.00 \$5.00 \$4,000.00 \$12.00 \$2.00 \$45.00 \$50.00 \$110.00 \$1.00 \$500.00 \$650.00 \$600.00 \$800.00	\$1.00 \$100.00 \$23.00 \$4,000.00 \$10.00 \$2.00 \$55.00 \$55.00 \$20.00 \$1.00 \$410.00 \$410.00 \$560.00 \$735.00 \$883.00	\$384.00 \$5,940.00 \$2,520.00 \$8,000.00 \$3,036.00 \$16.00 \$1,300.00 \$40,425.00 \$520.00 \$480.00 \$1,820.00 \$1,820.00 \$1,210.00 \$2,670.00 \$5,049.00	\$1.25 \$137.50 \$9.00 \$15,000.00 \$0.40 \$7.94 \$142.50 \$57.50 \$55.00 \$1.40 \$562.50 \$712.50 \$875.00 \$1,100.00	\$1.25 \$137.50 \$9.00 \$15,000.00 \$0.40 \$7.95 \$142.50 \$57.50 \$55.00 \$1.40 \$562.50 \$712.50 \$875.00 \$1,100.00	\$240.00 \$7,425.00 \$1,620.00 \$30,000.00 \$110.40 \$63.56 \$3,705.00 \$44,275.00 \$44,275.00 \$44,275.00 \$440.00 \$672.00 \$2,250.00 \$1,425.00 \$3,500.00 \$6,600.00
52 53 54 55 55 55 55 60 61 62 63 64 65 66	Improvem           254           407           448           608           614           615           659           801           801*           802           805           805*           809	ents, C.I.P. 690236-100108 PAVEMENT PLANING, ASPHALT CONCRETE TACK COAT ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC) PG64-22M CONCRETE WALK (4") MAINTAINING TRAFFIC TEMPORARY PAVEMENT SEEDING & MULCHING 6" WATER PIPE & FITTINGS 8" WATER PIPE & FITTINGS CONCRETE BLOCKING CLASS C, INCR. OR DECR. D.I. FITTINGS, INCR. OR DECR. 6" VALVE & APPURTENANCES 8" VALVE & APPURTENANCES 3/4" WATER SVC. TAP XFR'D, SHORT 3/4" WATER SVC. TAP XFR'D, LONG CURB BOX	96 $27$ $90$ $1$ $138$ $4$ $13$ $385$ $4$ $240$ $2$ $1$ $2$ $3$	GAL CY SF LS SY LF LF LF CY LBS EA EA EA EA	\$3.00 \$120.00 \$5.00 \$4,000.00 \$12.00 \$2.00 \$45.00 \$50.00 \$110.00 \$1.00 \$500.00 \$650.00 \$600.00 \$800.00 \$40.00	\$1.00 \$100.00 \$23.00 \$4,000.00 \$10.00 \$2.00 \$55.00 \$55.00 \$20.00 \$1.00 \$410.00 \$410.00 \$560.00 \$735.00 \$883.00 \$28.00	\$384.00 \$5,940.00 \$2,520.00 \$8,000.00 \$3,036.00 \$16.00 \$1,300.00 \$40,425.00 \$40,425.00 \$40,425.00 \$480.00 \$1,820.00 \$1,820.00 \$1,210.00 \$2,670.00 \$5,049.00 \$340.00	\$1.25 \$137.50 \$9.00 \$15,000.00 \$0.40 \$7.94 \$142.50 \$57.50 \$55.00 \$1.40 \$562.50 \$712.50 \$875.00 \$1,100.00 \$30.75	\$1.25 \$137.50 \$9.00 \$15,000.00 \$0.40 \$7.95 \$142.50 \$57.50 \$55.00 \$1.40 \$562.50 \$712.50 \$875.00 \$1,100.00 \$30.75	\$240.00 \$7,425.00 \$1,620.00 \$30,000.00 \$110.40 \$63.56 \$3,705.00 \$44,275.00 \$4,40.00 \$6,72.00 \$3,500.00 \$3,500.00 \$3,500.00 \$3,500.00 \$3,500.00

	ef					Engineer's Est	imate	Shelly & Sands, Inc.			
Ref.	T/ N		04	<b>T</b> T •4							
No.	Item No.	Description	Qty	Units	Materials	Labor	Extension	Materials	Labor	Extension	
70 71	SPEC SPEC	TEMPORARY SEEDING & MULCHING PERMANENT PAVEMENT	4 34	SY CY	\$2.00 \$150.00	\$2.00 \$150.00	\$16.00 \$10,200.00	\$5.30 \$110.00	\$5.30 \$110.00	\$42.40	
71	SPEC SPEC*	SEDIMENT & EROSION CONTROLS	1	LS	\$1,000.00	\$1,000.00	\$10,200.00	\$1,400.00	\$1,400.00	\$7,480.00 \$2,800.00	
72	SPEC*	SURVEY COORDINATES	1	LS	\$1,000.00	\$1,500.00	\$2,000.00	\$650.00	\$1,400.00	\$2,800.00	
			1				. ,				
74	SPEC	PROJECT IDENTIFICATION SIGNS	1	EA	\$40.00	\$10.00	\$50.00	\$450.00	\$450.00	\$900.00	
		Group 2 Subtotal:					\$94,068.00			\$124,885.86	
		Group 2 Contingency (15%):					\$14,110.20			\$18,732.88	
		Group 2 Total:					\$108,178.20			\$143,618.74	
		COMBINED CONTINGENCY (15% of									
75	SPEC	Groups 1-2)					\$468,838.05			\$498,704.14	
		COMBINED GRAND TOTAL:					\$3,594,425.05			\$3,823,398.40	
	% DI	FFERENCE FROM ENGINEER'S ESTIMATE								6.37%	
		% DIFFERENCE WITHIN LOWEST BIDDER								9.65%	
		(1) Addendum Ackldgmnt. Completed?								ye	
		Contract Compliance No.							31-4351261 (ex	p. 12/23/17, MAJ, 6043	
		Bid Proposal Signature Affidavit Completed?								yes	
		Bonding Company (Form B2)							C	Phio Farmers & Travelers	
		Proposed Subs listed?								yes	
		Bid Affidavit Complete? (Form B9)								yes	
		Prime & (applicable) Subs Prequalified to Bid?								yes	
		tarized Statement of HDD experience included?								is a proposed sub though	
	Applicable	Loan Forms Included? (B10, 11, 12.2, 12.3, 13)								WBE @ 1.81% }; Lionel	
									mentnot asking	for one since 3rd	
								lowest bidder.	B		

Shelly & Sands, Inc. 1515 Harmon Ave. Columbus, OH 43223 Jeffrey T. Schultz, Asst. V.P. (614) 444-5100 j.schultz@shellyandsands.com Colby J. Graham, President Michael W. Cline, Secretary Bryan D. Howell, Exec. V.P.

						-			<b>.</b>	
Ref.	1					Engineer's Esti	imate		Danbert, I	nc
No.	Item No.		Qty	Units	Materials	Labor	Extension	Materials	Labor	Extension
		scription: Maize Road Area Water Line								
No. 1	Improvem	nents, C.I.P. 690236-100071								
		PAVEMENT PLANING, ASPHALT								
1	254	CONCRETE	13,216	SY	\$1.00	\$3.00	\$52,864.00	\$0.00	\$2.80	\$37,004.80
		DRIVEWAY PAVEMENT REPL., TYPE III								
2	259	A (ASPHALT)	27	CY	\$150.00	\$150.00	\$8,100.00	\$400.00	\$39.00	\$11,853.00
		DRIVEWAY PAVEMENT REPL., TYPE III			±		** *** **	+	** * * *	
3	259	B (CONCRETE)	41	CY	\$150.00	\$50.00	\$8,200.00	\$500.00	\$95.00	\$24,395.00
		DRIVEWAY PAVEMENT REPL., TYPE III			+	± ( 0 0 0			± 4 0 0 0	
4	259	C (GRAVEL)	17	CY	\$50.00	\$40.00	\$1,530.00	\$43.00	\$40.00	\$1,411.00
5	407	TACK COAT	1,982	GAL	\$3.00	\$1.00	\$7,928.00	\$1.50	\$1.00	\$4,955.00
~	140	ASPHALT CONCRETE SURFACE	201	GV	¢1.40.00	¢100.00	# <b>73 3</b> 40 00	¢200.00	¢ 10.00	¢74.040.00
6	448	COURSE (HEAVY TRAFFIC) PG64-22M ASPHALT CONCRETE SURFACE	301	CY	\$140.00	\$100.00	\$72,240.00	\$200.00	\$49.00	\$74,949.00
7	440		245	CV	¢120.00	¢100.00	¢52,000,00	¢200.00	¢ 40.00	¢ < 1 005 00
7	448	COURSE (MEDIUM TRAFFIC) PG64-22M CONCRETE WALK	245 927	CY SF	\$120.00 \$5.00	\$100.00 \$23.00	\$53,900.00 \$25,956.00	\$200.00 \$7.00	\$49.00 \$7.00	\$61,005.00
8	608 614	MAINTAINING TRAFFIC		SF LS	\$30,000.00	\$23.00	\$25,956.00	\$7.00	\$176,000.00	\$12,978.00 \$176,000.00
9	615	TEMPORARY PAVEMENT	1 3,701	SY	\$12.00	\$10.00	\$80,000.00	\$0.00	\$0.00	\$170,000.00
10	632	DETECTOR LOOP	3,701	EA	\$1,500.00	\$1,500.00	\$9,000.00	\$2,100.00	\$2,000.00	\$12,300.00
12	659	SEEDING & MULCHING	1,577	SY EA	\$1,500.00	\$1,500.00	\$4,731.00	\$2,100.00	\$2,000.00	\$9,462.00
12	801	6" WATER PIPE & FITTINGS	940	LF	\$45.00	\$55.00	\$94,000.00	\$60.00	\$54.00	\$107,160.00
14	801	8" WATER PIPE & FITTINGS	8,781	LF	\$50.00	\$55.00	\$922,005.00	\$58.00	\$50.00	\$948,348.00
15	801	12" WATER PIPE & FITTINGS	4,412	LF	\$60.00	\$55.00	\$507,380.00	\$80.00	\$50.00	\$573,560.00
15	001	CONCRETE BLOCKING CLASS C, INCR.	7,712		\$00.00	\$55.00	\$507,500.00	φ00.00	\$50.00	\$575,500.00
16	801*	OR DECR.	18	CY	\$110.00	\$20.00	\$2,340.00	\$75.00	\$75.00	\$2,700.00
17	801*	D.I. FITTINGS, INCR. OR DECR.	1.047	LBS	\$1.00	\$1.00	\$2,094.00	\$2.00	\$2.00	\$4,188.00
18	802	6" VALVE & APPURTENANCES	46	EA	\$500.00	\$410.00	\$41,860.00	\$600.00	\$1,000.00	\$73,600.00
19	802	8" VALVE & APPURTENANCES	27	EA	\$650.00	\$560.00	\$32,670.00	\$900.00	\$1,000.00	\$51,300.00
20	802	12" VALVE & APPURTENANCES	6	EA	\$1,000.00	\$900.00	\$11,400.00	\$1,100.00	\$2,000.00	\$18,600.00
21	805	3/4" WATER SVC. TAP XFR'D, SHORT	94	EA	\$600.00	\$735.00	\$125,490.00	\$250.00	\$1,000.00	\$117,500.00
22	805	3/4" WATER SVC. TAP XFR'D, LONG	98	EA	\$800.00	\$883.00	\$164,934.00	\$700.00	\$1,000.00	\$166,600.00
23	805	1" WATER SVC. TAP XFR'D, SHORT	2	EA	\$650.00	\$750.00	\$2,800.00	\$300.00	\$1,000.00	\$2,600.00
24	805	1" WATER SVC. TAP XFR'D, LONG	5	EA	\$850.00	\$850.00	\$8,500.00	\$800.00	\$1,000.00	\$9,000.00
25	805	1.5" WATER SVC. TAP XFR'D, SHORT	1	EA	\$700.00	\$800.00	\$1,500.00	\$900.00	\$1,000.00	\$1,900.00
26	805	1.5" WATER SVC. TAP XFR'D, LONG	1	EA	\$900.00	\$900.00	\$1,800.00	\$200.00	\$2,000.00	\$2,200.00
27	805	2" WATER SVC. TAP XFR'D, SHORT	5	EA	\$800.00	\$900.00	\$8,500.00	\$500.00	\$1,500.00	\$10,000.00
28	805	2" WATER SVC. TAP XFR'D, LONG	1	EA	\$1,000.00	\$950.00	\$1,950.00	\$700.00	\$2,000.00	\$2,700.00
29	805	6" WATER SVC. TAP XFR'D	1	EA	\$1,200.00	\$1,000.00	\$2,200.00	\$1,500.00	\$1,500.00	\$3,000.00
30	805*	CURB BOX	280	EA	\$40.00	\$28.00	\$19,040.00	\$65.00	\$0.00	\$18,200.00
31	805*	C.I. FERRULE VALVE BOX & COVER	29	EA	\$210.00	\$40.00	\$7,250.00	\$85.00	\$0.00	\$2,465.00
32	809	FIRE HYDRANT	38	EA	\$2,500.00	\$500.00	\$114,000.00	\$1,400.00	\$1,000.00	\$91,200.00
33	810*	6" HYDRANT EXTENSIONS	3	EA	\$300.00	\$150.00	\$1,350.00	\$50.00	\$50.00	\$300.00
34	810*	12" HYDRANT EXTENSIONS	3	EA	\$400.00	\$175.00	\$1,725.00	\$250.00	\$250.00	\$1,500.00
35	810*	18" HYDRANT EXTENSIONS	4	EA	\$500.00	\$200.00	\$2,800.00	\$300.00	\$250.00	\$2,200.00

						Engineer's Esti	imata	Danbert, Inc			
Ref.						Engineer s Esti	imate		Danbert, I	nc	
No.	Item No.	Description	Otv	Units	Materials	Labor	Extension	Materials	Labor	Extension	
36		24" HYDRANT EXTENSIONS	17	EA	\$600.00	\$225.00	\$14,025.00	\$300.00	\$300.00	\$10,200.00	
		INCR. OR DECR. IN EXCAVATION &									
37		BACKFILL	111	CY	\$10.00	\$24.00	\$3,774.00	\$25.00	\$25.00	\$5,550.00	
38		CRUSHED STONE OR GRAVEL	152	CY	\$50.00	\$50.00	\$15,200.00	\$40.00	\$40.00	\$12,160.00	
39	816	1.5" WATER MAIN ABANDONED	3	EA	\$100.00	\$150.00	\$750.00	\$500.00	\$500.00	\$3,000.00	
40	816	2" WATER MAIN ABANDONED	6	EA	\$100.00	\$150.00	\$1,500.00	\$500.00	\$500.00	\$6,000.00	
41	SPEC	TEMPORARY SEEDING & MULCHING	1,577	SY	\$1.00	\$2.00	\$4,731.00	\$1.00	\$1.00	\$3,154.00	
42	SPEC	1.5" X 3/4" WATER SVC. TAP TRANSFER TEMPORARY WATER MAIN & SVC.	18	EA	\$3,000.00	\$1,500.00	\$81,000.00	\$1,500.00	\$1,000.00	\$45,000.00	
12	SDEC		1	τc	¢5 000 00	\$5,000,00	¢10,000,00	¢10,000,00	\$10,000,00	¢20,000,00	
43 44		CONNECTIONS PERMANENT PAVEMENT	925	LS	\$5,000.00 \$150.00	\$5,000.00 \$150.00	\$10,000.00 \$277,500.00	\$10,000.00 \$130.00	\$10,000.00 \$130.00	\$20,000.00 \$240,500.00	
44	SPEC	HEAT WELDING	923	CY SY	\$150.00	\$130.00	\$7,520.00	\$130.00	\$50.00	\$9,600.00	
45	SFEC	12" DUCTILE IRON WATER PIPE,	100	51	\$23.00	\$22.00	\$7,520.00	\$10.00	\$30.00	\$9,000.00	
		HORIZONTAL DIRECTIONAL DRILLING									
46	SPEC	(HDD)	413	LF	\$60.00	\$60.00	\$49,560.00	\$96.00	\$100.00	\$80,948.00	
40		SEDIMENT & EROSION CONTROLS	1	LI	\$1.000.00	\$1.000.00	\$2,000.00	\$5.000.00	\$5,000.00	\$10,000.00	
48	SPEC	SURVEY COORDINATES	1	LS	\$500.00	\$4,500.00	\$5,000.00	\$0.00	\$5,000.00	\$5,000.00	
49	SPEC*	ADDITIONAL HDD ACCESS PIT	2	EA	\$500.00	\$500.00	\$2,000.00	\$2,500.00	\$2,500.00	\$10,000.00	
		8" WATER LINE SUPPORTED ON					1 /	. ,	1 /2 2 2 2 2	,	
50	SPEC	STRUCTURE	209	LF	\$150.00	\$200.00	\$73,150.00	\$325.00	\$325.00	\$135,850.00	
51	SPEC	PROJECT IDENTIFICATION SIGNS	7	EA	\$40.00	\$10.00	\$350.00	\$500.00	\$500.00	\$7,000.00	
		Group 1 Subtotal:					\$3,031,519.00			\$3,244,796.80	
		_									
		Group 1 Contingency (15%):					\$454,727.85			\$486,719.52	
		Group 1 Total:					\$3,486,246.85			\$3,731,516.32	
()											
	-	scription: E. 8th Avenue Water Line									
No. 2	<b>A</b>	ents, C.I.P. 690236-100108		1							
50		PAVEMENT PLANING, ASPHALT CONCRETE	637	SY	¢1.00	\$3.00	\$2,548.00	\$0.00	\$11.80	\$7.516.60	
52 53	407	TACK COAT	96	GAL	\$1.00 \$3.00	\$3.00	\$2,548.00	\$0.00	\$11.80	\$7,516.60 \$249.60	
33	407	ASPHALT CONCRETE SURFACE	90	GAL	\$5.00	\$1.00	\$384.00	\$1.50	\$1.50	\$249.00	
54	448	COURSE (MEDIUM TRAFFIC) PG64-22M	27	CY	\$120.00	\$100.00	\$5,940.00	\$300.00	\$84.00	\$10,368.00	
55	608	CONCRETE WALK (4")	90	SF	\$5.00	\$23.00	\$2,520.00	\$10.00	\$10.00	\$1,800.00	
56	614	MAINTAINING TRAFFIC	1	LS	\$4,000.00	\$4,000.00	\$8,000.00	\$0.00	\$20,000.00	\$20,000.00	
57	615	TEMPORARY PAVEMENT	138	SY	\$12.00	\$10.00	\$3,036.00	\$1.00	\$0.00	\$138.00	
58	659	SEEDING & MULCHING	4	SY	\$2.00	\$2.00	\$16.00	\$50.00	\$50.00	\$400.00	
59	801	6" WATER PIPE & FITTINGS	13	LF	\$45.00	\$55.00	\$1,300.00	\$80.00	\$80.00	\$2,080.00	
60	801	8" WATER PIPE & FITTINGS	385	LF	\$50.00	\$55.00	\$40,425.00	\$100.00	\$30.00	\$50,050.00	
		CONCRETE BLOCKING CLASS C, INCR.									
61		OR DECR.	4	CY	\$110.00	\$20.00	\$520.00	\$75.00	\$75.00	\$600.00	
62		D.I. FITTINGS, INCR. OR DECR.	240	LBS	\$1.00	\$1.00	\$480.00	\$2.00	\$2.00	\$960.00	
63		6" VALVE & APPURTENANCES	2	EA	\$500.00	\$410.00	\$1,820.00	\$800.00	\$800.00	\$3,200.00	
64		8" VALVE & APPURTENANCES	1	EA	\$650.00	\$560.00	\$1,210.00	\$900.00	\$1,000.00	\$1,900.00	
65	805	3/4" WATER SVC. TAP XFR'D, SHORT	2	EA	\$600.00	\$735.00	\$2,670.00	\$700.00	\$1,000.00	\$3,400.00	
66	805	3/4" WATER SVC. TAP XFR'D, LONG	3	EA	\$800.00	\$883.00	\$5,049.00	\$700.00	\$1,000.00	\$5,100.00	
67		CURB BOX	5	EA	\$40.00	\$28.00	\$340.00	\$65.00	\$0.00	\$325.00	
68		FIRE HYDRANT	1	EA	\$2,500.00	\$500.00	\$3,000.00	\$1,200.00	\$1,200.00	\$2,400.00	
69		INCR. OR DECR. IN EXCAVATION & BACKFILL	16	CY	\$10.00	\$24.00	\$544.00	\$25.00	\$25.00	\$800.00	
		DALNELL	10	L Y	510.00	N/4 UU	D 044 UU		3/2.00	22000	

						Engineer's Esti	mate	Danbert, Inc			
Ref.	T/ N		0	<b>T</b> T •4	M 4 1 1	<b>T</b> 1					
<u>No.</u>	Item No.		Qty	Units	Materials		Extension	Materials		Extension	
70 71	SPEC SPEC	TEMPORARY SEEDING & MULCHING PERMANENT PAVEMENT	4 34	SY CY	\$2.00 \$150.00	\$2.00 \$150.00	\$16.00 \$10,200.00	\$80.00 \$120.00	\$80.00 \$120.00	\$640.00 \$8.160.00	
71	SPEC SPEC*		34		\$1,000.00	\$1,000.00	\$10,200.00	\$1,500.00	\$1,500.00	\$3,000.00	
72	SPEC	SEDIMENT & EROSION CONTROLS SURVEY COORDINATES	1	LS	\$500.00	\$1,500.00	\$2,000.00	\$1,500.00	\$2,000.00	\$2,000.00	
			1								
74	SPEC	PROJECT IDENTIFICATION SIGNS	1	EA	\$40.00	\$10.00	\$50.00	\$500.00	\$500.00	\$1,000.00	
		Group 2 Subtotal:					\$94,068.00			\$126,087.20	
		Group 2 Contingency (15%):					\$14,110.20			\$18,913.08	
		Group 2 Total:					\$108,178.20			\$145,000.28	
		COMBINED CONTINGENCY (15% of									
75	SPEC	Groups 1-2)					\$468,838.05			\$505,632.60	
		COMBINED GRAND TOTAL:					\$3,594,425.05			\$3,876,516.60	
	% DI	FFERENCE FROM ENGINEER'S ESTIMATE								7.85%	
		% DIFFERENCE WITHIN LOWEST BIDDER								11.17%	
		(1) Addendum Ackldgmnt. Completed?									
		Contract Compliance No.									
		Bid Proposal Signature Affidavit Completed?									
		Bonding Company (Form B2)									
		Proposed Subs listed?						Not ev	aluated; top 3 bid	ders responsive.	
		Bid Affidavit Complete? (Form B9)									
		Prime & (applicable) Subs Prequalified to Bid?									
		tarized Statement of HDD experience included?									
	Applicable	Loan Forms Included? (B10, 11, 12.2, 12.3, 13)									

ORD #1805-2017, Division of Water

Maize Rd. Area Water Line Imp's (including 8th Ave. Water Line Imp's) C.I.P. No. 690236-100071 (Maize) and 690236-100108 (E. 8th) Bid Tabulation, Opened 6/21/17

Engineer's Estimate	Fields Excavating, Inc.	Elite Excavating Co. of Ohio, Inc.	Shelly & Sands, Inc.	Danbert, Inc
\$3,594,425.05	\$3,487,042.65	\$3,796,150.00	\$3,823,398.40	\$3,876,516.60
600236 71 (Maize) amount:		\$3 347 475 20		

690236-71 (Maize) amount:	\$3,347,475.20
690236-108 (E. 8th) amount:	\$139,567.45
	\$3,487,042.65