

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		1. Liberta Construction		*2. Lockhart Concrete	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	103.05	Contract Performance Bond	1	L.S.	\$10,000.00	\$10,000.00	\$9,000.00	\$9,000.00	\$23,000.00	\$23,000.00
2	201	Trees Removed, 30"	2	EACH	\$400.00	\$800.00	\$1,000.00	\$2,000.00	\$2,000.00	\$4,000.00
3	202	Pipe Abandoned, 6" Lateral	160	L.F.	\$7.00	\$1,120.00	\$10.00	\$1,600.00	\$5.00	\$800.00
4	202	Pipe Abandoned, 6" Water Main	470	L.F.	\$7.00	\$3,290.00	\$1.00	\$470.00	\$5.00	\$2,350.00
5	202	Water Valve Boxes Removed	4	EACH	\$50.00	\$200.00	\$25.00	\$100.00	\$75.00	\$300.00
6	202	Hydrant Removed	2	EACH	\$200.00	\$400.00	\$100.00	\$200.00	\$500.00	\$1,000.00
7	202	Manhole Abandoned	1	EACH	\$400.00	\$400.00	\$500.00	\$500.00	\$100.00	\$100.00
8	202	Granite and/or Stone Curb Removed & Palletized	600	L.F.	\$7.00	\$4,200.00	\$20.00	\$12,000.00	\$3.00	\$1,800.00
9	202	Brick Pavement Removed & Palletized	891	S.Y.	\$12.00	\$10,692.00	\$35.00	\$31,185.00	\$5.00	\$4,455.00
10	202	Walk & Drive Aprons Removed	111	S.F.	\$1.00	\$111.00	\$1.50	\$166.50	\$0.50	\$55.50
11	202	Abandon 6 Inch Water Main With 6 Inch Cap	1	EACH	\$200.00	\$200.00	\$200.00	\$200.00	\$500.00	\$500.00
12	202	Abandon Water Service	2	EACH	\$100.00	\$200.00	\$500.00	\$1,000.00	\$50.00	\$100.00
13	202	Bollard Removed	13	EACH	\$20.00	\$260.00	\$25.00	\$325.00	\$10.00	\$130.00
14	203	Excavation Including Embankment Construction	1070	C.Y.	\$16.00	\$17,120.00	\$20.00	\$21,400.00	\$20.00	\$21,400.00
15	203	Aggregate Refill, Type 2	20	C.Y.	\$16.00	\$320.00	\$65.00	\$1,300.00	\$50.00	\$1,000.00
16	203	Proof Rolling	1	HOUR	\$150.00	\$150.00	\$1.00	\$1.00	\$100.00	\$100.00
17	207	Straw or Hay Bales	18	EACH	\$30.00	\$540.00	\$5.00	\$90.00	\$5.00	\$90.00
18	254	6 Inch Ductile Iron Pipe	535	L.F.	\$75.00	\$40,125.00	\$90.00	\$48,150.00	\$95.00	\$50,825.00
19	258	6 Inch Valve	4	EACH	\$200.00	\$800.00	\$775.00	\$3,100.00	\$1,000.00	\$4,000.00
20	259	6 Inch 90 Degree Bend	1	EACH	\$200.00	\$200.00	\$125.00	\$125.00	\$165.00	\$165.00
21	259	6 Inch 45 Degree Bend	8	EACH	\$200.00	\$1,600.00	\$125.00	\$1,000.00	\$150.00	\$1,200.00
22	259	6 Inch 22 1/2 Degree Bend	2	EACH	\$200.00	\$400.00	\$125.00	\$250.00	\$140.00	\$280.00
23	259	6 Inch by 6 Inch Tee	4	EACH	\$200.00	\$800.00	\$200.00	\$800.00	\$250.00	\$1,000.00
24	259	8 Inch by 6 Inch Tee	1	EACH	\$200.00	\$200.00	\$400.00	\$400.00	\$300.00	\$300.00
25	259	6 Inch Solid Sleeve	2	EACH	\$200.00	\$400.00	\$300.00	\$600.00	\$150.00	\$300.00
26	259	Bell Clamp Joint Repairs. All Labor and Materials to be	8	EACH	\$2,000.00	\$16,000.00	\$100.00	\$800.00	\$200.00	\$1,600.00
27	259	8 Inch by 6 Inch Tapping Sleeve and Valve	1	EACH	\$200.00	\$200.00	\$1,500.00	\$1,500.00	\$2,000.00	\$2,000.00
28	260	Fire Hydrants	2	EACH	\$1,500.00	\$3,000.00	\$4,500.00	\$9,000.00	\$5,000.00	\$10,000.00
29	263	Tying in to 8 Inch Main	1	EACH	\$1,000.00	\$1,000.00	\$3,000.00	\$3,000.00	\$1,000.00	\$1,000.00
30	265	Water Main Valve Boxes Adjusted	1	EACH	\$60.00	\$60.00	\$75.00	\$75.00	\$50.00	\$50.00
31	301	7-3/4 inch Bituminous Aggregate Base	529	C.Y.	\$120.00	\$63,480.00	\$108.00	\$57,132.00	\$100.00	\$52,900.00
32	304	Aggregate Base, 6 Inch Thick, Limestone Only	410	C.Y.	\$65.00	\$26,650.00	\$65.00	\$26,650.00	\$40.00	\$16,400.00
33	407	Tack Coat	250	GAL.	\$2.50	\$625.00	\$4.00	\$1,000.00	\$2.00	\$500.00
34	407	Tack Coat For Intermediate Course	250	GAL.	\$2.50	\$625.00	\$4.00	\$1,000.00	\$2.00	\$500.00
35	446	Asphalt Concrete, Surface Course, Type 1, Medium, P	86	C.Y.	\$150.00	\$12,900.00	\$300.00	\$25,800.00	\$250.00	\$21,500.00
36	446	Asphalt Concrete, Intermediate Course, Type 2, Medium	205	C.Y.	\$130.00	\$26,650.00	\$145.00	\$29,725.00	\$120.00	\$24,600.00
37	446	Gas Main Valves Boxes Adjusted	2	EACH	\$60.00	\$120.00	\$25.00	\$50.00	\$50.00	\$100.00
38	448	Asphalt Concrete, Surface Course, Type 1, 4" Thick For	5	C.Y.	\$150.00	\$750.00	\$250.00	\$1,250.00	\$275.00	\$1,375.00
39	455	6"x18" Concrete Curb	1043	L.F.	\$18.00	\$18,774.00	\$17.00	\$17,731.00	\$25.00	\$26,075.00
40	456	Concrete Walk, 6 Inches Thick	6665	S.F.	\$6.00	\$39,990.00	\$6.00	\$39,990.00	\$8.00	\$53,320.00
41	456	Concrete Steps	15	L.F.	\$20.00	\$300.00	\$60.00	\$900.00	\$100.00	\$1,500.00
42	456	Curb Ramps	10	EACH	\$500.00	\$5,000.00	\$100.00	\$1,000.00	\$500.00	\$5,000.00
43	456	Concrete Aprons, 6 Inches Thick	476	S.F.	\$7.00	\$3,332.00	\$6.00	\$2,856.00	\$7.00	\$3,332.00
44	456	Concrete Driveway Reconstruction, 6 Inches Thick	1662	S.F.	\$6.00	\$9,972.00	\$6.25	\$10,387.50	\$7.00	\$11,634.00
45	460	Brick Walk Relaid	70	S.F.	\$50.00	\$3,500.00	\$18.00	\$1,260.00	\$50.00	\$3,500.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		1. Liberta Construction		*2. Lockhart Concrete	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
46	553	12 inch Inlet Connection	310	L.F.	\$50.00	\$15,500.00	\$80.00	\$24,800.00	\$70.00	\$21,700.00
47	556	House Drain Pipe, Complete	4	EACH	\$30.00	\$120.00	\$25.00	\$100.00	\$50.00	\$200.00
48	556	House Drain Pipe, Type A	16	L.F.	\$2.50	\$40.00	\$5.00	\$80.00	\$10.00	\$160.00
49	557	8 Inch Sanitary Sewer, VCP Extra Strength, Class B B	270	L.F.	\$150.00	\$40,500.00	\$179.00	\$48,330.00	\$200.00	\$54,000.00
50	557	24 Inch Sanitary Sewer Repair, VCP Extra Strength, C	8	L.F.	\$300.00	\$2,400.00	\$220.00	\$1,760.00	\$250.00	\$2,000.00
51	560	6 Inch House Lateral, VCP Extra Strength	105	L.F.	\$30.00	\$3,150.00	\$80.00	\$8,400.00	\$75.00	\$7,875.00
52	562	Manhole MH-2A on Sanitary Sewer (Casting Supplied	1	EACH	\$4,000.00	\$4,000.00	\$3,800.00	\$3,800.00	\$3,000.00	\$3,000.00
53	562	Manhole Adjusted	3	EACH	\$250.00	\$750.00	\$500.00	\$1,500.00	\$250.00	\$750.00
54	563	Inlet, Dbl. No. 5 (Castings Supplied by CoA)	3	EACH	\$2,500.00	\$7,500.00	\$2,000.00	\$6,000.00	\$3,000.00	\$9,000.00
55	563	Inlet, Dbl. No. 2 (Castings Supplied by CoA)	1	EACH	\$2,000.00	\$2,000.00	\$1,500.00	\$1,500.00	\$3,000.00	\$3,000.00
56	563	Inlet, No. 5 (Castings Supplied by CoA)	1	EACH	\$2,000.00	\$2,000.00	\$1,500.00	\$1,500.00	\$2,500.00	\$2,500.00
57	564	4 inch Pipe Underdrains	1043	L.F.	\$6.00	\$6,258.00	\$6.00	\$6,258.00	\$8.00	\$8,344.00
58	604	Bank Run Gravel	155	C.Y.	\$8.00	\$1,240.00	\$1.00	\$155.00	\$15.00	\$2,325.00
59	606	Pipe Bollard, As Per Plan	2	EACH	\$200.00	\$400.00	\$300.00	\$600.00	\$200.00	\$400.00
60	608	Fence Relocation	212	L.F.	\$25.00	\$5,300.00	\$25.00	\$5,300.00	\$12.00	\$2,544.00
61	609	Engineering Geogrid for Roadways	2500	S.Y.	\$6.00	\$15,000.00	\$2.25	\$5,625.00	\$3.00	\$7,500.00
62	614	Maintaining Traffic	1	L.S.	\$5,000.00	\$5,000.00	\$500.00	\$500.00	\$68,305.00	\$68,305.00
63	616	Calcium Chloride	1	TONS	\$20.00	\$20.00	\$1.00	\$1.00	\$800.00	\$800.00
64	619	Field Office	1	L.S.	\$5,000.00	\$5,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00
65	622	Monument Boxes (Castings Supplied by CoA)	4	EACH	\$450.00	\$1,800.00	\$350.00	\$1,400.00	\$250.00	\$1,000.00
66	623	Construction Layout Stakes	1	L.S.	\$5,000.00	\$5,000.00	\$4,000.00	\$4,000.00	\$107,139.50	\$107,139.50
67	624	Mobilization	1	L.S.	\$5,000.00	\$5,000.00	\$500.00	\$500.00	\$77,000.00	\$77,000.00
68	625	Trench, As Per Plan	368	L.F.	\$10.00	\$3,680.00	\$6.60	\$2,428.80	\$10.00	\$3,680.00
69	625	Conduit, Schedule 40, PVC, 2"	308	L.F.	\$6.00	\$1,848.00	\$4.40	\$1,355.20	\$12.00	\$3,696.00
70	625	Conduit, Schedule 40, PVC, 3"	60	L.F.	\$7.00	\$420.00	\$11.00	\$660.00	\$15.00	\$900.00
71	625	Pull Box, Polymer Concrete, 24"x36"x24"	1	EACH	\$800.00	\$800.00	\$1,320.00	\$1,320.00	\$2,000.00	\$2,000.00
72	625	Ground Rod	4	EACH	\$200.00	\$800.00	\$1,380.50	\$5,522.00	\$100.00	\$400.00
73	629	Street Name Sign Assembly Reset	2	EACH	\$550.00	\$1,100.00	\$200.00	\$400.00	\$100.00	\$200.00
74	629	Street Name Sign Pole	2	EACH	\$250.00	\$500.00	\$250.00	\$500.00	\$500.00	\$1,000.00
75	630	Traffic Sign Removed	3	EACH	\$100.00	\$300.00	\$50.00	\$150.00	\$30.00	\$90.00
76	630	Traffic Sign Removed and relocated, as per plan	1	EACH	\$275.00	\$275.00	\$125.00	\$125.00	\$500.00	\$500.00
77	630	Traffic Sign - Type A	4	EACH	\$275.00	\$1,100.00	\$260.00	\$1,040.00	\$80.00	\$320.00
78	630	Traffic Sign - Type B	9	EACH	\$375.00	\$3,375.00	\$320.00	\$2,880.00	\$370.00	\$3,330.00
79	632	Pull Box, Polymer Concrete, 48"x30"	1	EACH	\$1,000.00	\$1,000.00	\$1,320.00	\$1,320.00	\$1,015.00	\$1,015.00
80	632	Pullbox, Polymer Concrete, 24"x36"	3	EACH	\$900.00	\$2,700.00	\$1,100.00	\$3,300.00	\$907.00	\$2,721.00
81	632	Pedestal Foundation	2	EACH	\$500.00	\$1,000.00	\$715.00	\$1,430.00	\$550.00	\$1,100.00
82	632	Signal Support Foundation	2	EACH	\$3,000.00	\$6,000.00	\$2,090.00	\$4,180.00	\$10,290.00	\$20,580.00
83	633	Cabinet Foundation	1	EACH	\$1,000.00	\$1,000.00	\$1,540.00	\$1,540.00	\$12,000.00	\$12,000.00
84	ODOT 645	Center Line, Double, Type A3	380	L.F.	\$4.00	\$1,520.00	\$12.00	\$4,560.00	\$10.00	\$3,800.00
85	ODOT 645	Lane Line, Dashed, Type 4"	104	L.F.	\$2.00	\$208.00	\$9.00	\$936.00	\$7.00	\$728.00
86	ODOT 645	Groove Long Line Pavement Markings	492	L.F.	\$2.00	\$984.00	\$6.50	\$3,198.00	\$5.00	\$2,460.00
87	653	Topsoil Furnished & Placed, 4" Thick	294	S.Y.	\$5.00	\$1,470.00	\$10.00	\$2,940.00	\$6.50	\$1,911.00
88	659	Lawn Seeding and Mulching	294	S.Y.	\$2.50	\$735.00	\$4.00	\$1,176.00	\$2.00	\$588.00
TOTAL CONSTRUCTION COSTS						\$486,249.00		\$533,139.00		\$801,698.00

BID TAB FOR: West Emerling Improvements

FILE NO. 2014-011-00

BID DATE: June 1, 2016

CODE: 4060-B14002

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	ENGINEER'S ESTIMATE AMOUNT	1. Liberta Construction PRICE	1. Liberta Construction AMOUNT	*2. Lockhart Concrete PRICE	*2. Lockhart Concrete AMOUNT
+/- ENGINEER'S ESTIMATE								+9.6%		+64.9%

*Ref #s 54 & 80 Total Item Cost total is incorrect. Unofficial Construction Cost Total is incorrect.

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		1. Liberta Construction		2. Lockhart Concrete	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	456	Concrete Walk, 6 Inches Thick	120	S.F.	\$6.00	\$720.00	\$7.50	\$900.00	\$7.00	\$840.00
2	456	Curb Ramps	1	EACH	\$500.00	\$500.00	\$200.00	\$200.00	\$500.00	\$500.00
3	629	Street Name Sign Assembly on Mast Arm	3	EACH	\$200.00	\$600.00	\$390.00	\$1,170.00	\$1,000.00	\$3,000.00
4	625	Bracket Arm	1	EACH	\$800.00	\$800.00	\$1,320.00	\$1,320.00	\$1,000.00	\$1,000.00
5	625	Pull Box, Polymer Concrete, 24"x36"x24"	1	EACH	\$800.00	\$800.00	\$1,320.00	\$1,320.00	\$907.00	\$907.00
6	625	AWG No. 4, Type USE Copper 600 Volt Distribution	180	L.F.	\$2.50	\$450.00	\$4.40	\$792.00	\$4.60	\$828.00
7	625	2" PVC Sch. 40 Conduit	12	L.F.	\$6.00	\$72.00	\$11.00	\$132.00	\$0.99	\$11.88
8	632	Signal Support, Type 81.21, Design 12	2	EACH	\$9,000.00	\$18,000.00	\$10,450.00	\$20,900.00	\$12,500.00	\$25,000.00
9	632	Vehicular Signal Head, LED, 3-Section, 12" Lens	5	EACH	\$600.00	\$3,000.00	\$990.00	\$4,950.00	\$1,000.00	\$5,000.00
10	632	Vehicular Signal Head, LED, 5-Section, 12" Lens	1	EACH	\$1,000.00	\$1,000.00	\$430.00	\$430.00	\$1,530.00	\$1,530.00
11	632	Pedestrian Signal Head, LED, Type D2 Countdown	4	EACH	\$800.00	\$3,200.00	\$660.00	\$2,640.00	\$540.00	\$2,160.00
12	632	Pedestrian Push Button	4	EACH	\$200.00	\$800.00	\$275.00	\$1,100.00	\$288.00	\$1,152.00
13	632	Signal Cable, 7 Conductor, No. 14 AWG	500	L.F.	\$6.00	\$3,000.00	\$2.20	\$1,100.00	\$2.16	\$1,080.00
14	632	Power Service	1	EACH	\$2,000.00	\$2,000.00	\$1,320.00	\$1,320.00	\$2,016.00	\$2,016.00
15	632	Video Detection System	3	EACH	\$6,000.00	\$18,000.00	\$7,810.00	\$23,430.00	\$19,152.00	\$57,456.00
16	633	Uninterruptable Power Supply	1	EACH	\$6,000.00	\$6,000.00	\$7,700.00	\$7,700.00	\$3,944.00	\$3,944.00
17	633	Controller Misc.: Fiber Optic Ethernet Transceiver	1	EACH	\$3,000.00	\$3,000.00	\$2,750.00	\$2,750.00	\$1,008.00	\$1,008.00
18	633	Controller Misc.: Preemption Priority Control	1	EACH	\$5,000.00	\$5,000.00	\$4,180.00	\$4,180.00	\$1,654.00	\$1,654.00
19	633	Controller Work Pad	1	EACH	\$250.00	\$250.00	\$660.00	\$660.00	\$1,253.00	\$1,253.00
20	633	Controller Unit, Type Cobalt with Cabinet	1	EACH	\$15,000.00	\$15,000.00	\$3,200.00	\$3,200.00	\$1,200.00	\$1,200.00
21	ODOT 645	Crosswalk, Solid, Type 4"	202	L.F.	\$2.00	\$404.00	\$16.00	\$3,232.00	\$15.00	\$3,030.00
22	ODOT 645	Stop Line, Solid, 24"	28	L.F.	\$2.00	\$56.00	\$40.00	\$1,120.00	\$40.00	\$1,120.00
23	ODOT 645	Groove Long Line Pavement Markings	230	L.F.	\$2.00	\$460.00	\$10.00	\$2,300.00	\$10.00	\$2,300.00
TOTAL CONSTRUCTION COSTS						\$83,112.00	\$86,846.00	\$144,989.88		
+/- ENGINEER'S ESTIMATE							+4.5%		+74.5%	

ESTIMATE OF PROJECT COSTS

PROJECT: West Emmering Avenue Improvements
 COSE NUMBER:
 FILE NUMBER:
 BID DATE:

06/04/18
 RWK

Review estimate of cost for the improvement of
 West Emmering Avenue Improvements. Replace brick pavement with asphalt
 asphalt pavement and 6"x18" curb, concrete aprons, concrete sidewalk and
 reconstruction of the 8" sanitary sewer and 6" water main.

REF	ITEM	DESCRIPTION	QUAN.	UNITS	PRICE	AMOUNT	OTHER	MBE	N/A	USEFUL LIFE 10 YEARS	USEFUL LIFE 25 YEARS	USEFUL LIFE 30 YEARS	USEFUL LIFE 40 YEARS	USEFUL LIFE 50 YEARS	NEW	REPAIR/ REPLACEMENT
	10039	Contract Performance Bond	1	EACH	\$10,000.00	\$10,000.00			\$10,000.00							
201		Trees Removed 30"	4	EACH	\$400.00	\$1,600.00										
202		Pipe Abandoned 6" Lateral	166	L F	\$7.00	\$1,162.00										
202		Pipe Abandoned 6" Water Main	470	L F	\$7.00	\$3,290.00										
202		Water Valve Boxes Removed	4	EACH	\$50.00	\$200.00										
202		Hydrant Removed	2	EACH	\$200.00	\$400.00										
202		Manhole Abandoned	1	EACH	\$400.00	\$400.00										
202		Granite and/or Stone Curb Removed & Palletized	600	L F	\$7.00	\$4,200.00										
202		Brick Pavement Removed & Palletized	891	S Y	\$12.00	\$10,692.00										
202		Walk & Drive Aprons Removed	111	S Y	\$1.00	\$111.00							\$111.00			\$111.00
202		Abandon 6 Inch Water Main With 6 Inch Cap	1	EACH	\$200.00	\$200.00										\$200.00
202		Abandon Water Service	2	EACH	\$100.00	\$200.00										\$17,120.00
202		Bollard Removed	13	EACH	\$20.00	\$260.00										
203		Excavation Including Embankment Construction	1070	C Y	\$16.00	\$17,120.00							\$150.00			\$150.00
203		Asph/Flt Bed, Type 2	29	C Y	\$16.00	\$464.00	\$540.00		\$540.00							
203		Proof Rolling	1	HOURL	\$150.00	\$150.00								\$80,125.00		\$80,125.00
207		Rein. w/ Bag Batts	18	EACH	\$48.00	\$864.00										
207		8 Inch Ductile Iron Pipe	538	L F	\$75.00	\$40,350.00								\$200.00		\$200.00
208		8 Inch Valve	4	EACH	\$200.00	\$800.00										
209		8 Inch 90 Degree Bend	1	EACH	\$200.00	\$200.00										
209		6 Inch 45 Degree Bend	8	EACH	\$200.00	\$1,600.00										
209		8 Inch 22 1/2 Degree Bend	2	EACH	\$200.00	\$400.00										
209		8 Inch 90 Tee	4	EACH	\$200.00	\$800.00							\$200.00			\$200.00
209		8 Inch by 8 Inch Tee	1	EACH	\$200.00	\$200.00										
209		8 Inch Solid Sleeve	2	EACH	\$200.00	\$400.00										
209		Bell Clamp Joint Repairs. All Labor and Materials to be supplied by the contractor	8	EACH	\$2,000.00	\$16,000.00										\$1,000.00
209		8 Inch by 8 Inch Tapping Sleeve and Valve	1	EACH	\$200.00	\$200.00										\$50.00
209		Fire Hydrants	2	EACH	\$1,000.00	\$2,000.00										\$63,480.00
203		Tying in to 8 Inch Main	1	EACH	\$1,000.00	\$1,000.00										\$28,650.00
205		Water Main Valve Boxes Adjusted	1	EACH	\$60.00	\$60.00										\$625.00
301		12-14 inch Fiberglass Aggregate Base	529	C Y	\$120.00	\$63,480.00										\$2,900.00
304		Aggregate Base, 6 Inch Thick, Limestone Only	410	C Y	\$65.00	\$26,650.00										\$12,900.00
407		Track Coat	250	GAL	\$2.50	\$625.00										\$28,650.00
407		Track Coat For Intermediate Course	250	GAL	\$2.50	\$625.00										\$750.00
446		Asphalt Concrete, Surface Course, Type 1, Medium, PG 64-22, 1.14" Thickness	86	C Y	\$150.00	\$12,900.00										\$18,774.00
446		Asphalt Concrete, Intermediate Course, Type 2, Medium, PG 64-22, 3" Thickness	299	C Y	\$130.00	\$38,870.00										\$18,774.00
446		Gas Main Valve Boxes Adjusted	2	EACH	\$60.00	\$120.00										\$38,550.00
446		Asphalt Concrete, Surface Course, Type 1, 4" Thick For Driveway Reconstruction	8	L Y	\$150.00	\$1,200.00										\$5,000.00
455		6"x18" Concrete Curb	1045	L F	\$18.00	\$18,810.00										\$3,330.00
456		Concrete Walls, 6 Inches Thick	8666	S F	\$8.00	\$69,328.00										\$9,972.00
456		Concrete Slabs	18	L F	\$200.00	\$3,600.00								\$3,900.00		\$3,500.00
456		Curb Ramps	10	EACH	\$500.00	\$5,000.00										\$15,500.00
456		Concrete Aprons, 6 Inches Thick	470	S F	\$7.00	\$3,290.00								\$120.00		\$120.00
456		Concrete Driveway Reconstruction, 6 Inches Thick	1666	S F	\$6.00	\$9,996.00										\$45.00
460		Black Walk Retard	70	S F	\$50.00	\$3,500.00										
553		12 Inch Inlet Connection	310	L F	\$60.00	\$18,600.00										
556		House Drain Pipe, Complete	4	EACH	\$30.00	\$120.00										
556		House Drain Pipe, Type A	16	L F	\$22.00	\$352.00										
557		8 Inch Sanitary Sewer, VCP Extra Strength, Class B Bedding	270	L F	\$160.00	\$43,200.00										\$750.00
557		24 Inch Sanitary Sewer Repair, VCP Extra Strength, Class B Bedding	8	L F	\$300.00	\$2,400.00										\$7,600.00
560		8 Inch House Lateral, VCP Extra Strength	166	L F	\$30.00	\$4,980.00										\$2,000.00
562		Manhole Adjusted	3	EACH	\$250.00	\$750.00										\$2,000.00
563		Inlet, DNI, No. 5 (Castings Supplied by CoA)	1	EACH	\$2,000.00	\$2,000.00										\$2,000.00
563		Inlet, DNI, No. 2 (Castings Supplied by CoA)	1	EACH	\$2,000.00	\$2,000.00										\$5,400.00
563		Inlet, No. 5 (Castings Supplied by CoA)	1	EACH	\$2,000.00	\$2,000.00							\$15,000.00			\$15,000.00
564		4 Inch Pipe Underdrain	1045	L F	\$8.00	\$8,360.00	\$5,000.00		\$5,000.00							
604		Bank Run Gravel	155	C Y	\$8.00	\$1,240.00										
608		Pipe Bypass, As Per Plan	1	EACH	\$200.00	\$200.00										\$200.00
609		Flare Retention	215	L F	\$25.00	\$5,375.00	\$5,000.00		\$5,000.00							
609		Engineering Concord for Roadways	2500	S Y	\$6.00	\$15,000.00			\$600.00							\$1,800.00
614		Maintenance Traffic	1	L.S.	\$5,000.00	\$5,000.00			\$5,000.00							\$1,800.00
616		Calcium Chloride	1	TONS	\$20.00	\$20.00			\$5,000.00							\$1,800.00
619		Field Office	1	L.S.	\$5,000.00	\$5,000.00										
622		Monument Boxes (Castings Supplied by CoA)	1	EACH	\$450.00	\$450.00										
623		Construction Layout Stakes	1	L.S.	\$5,000.00	\$5,000.00										
624		Manhole	1	EACH	\$5,000.00	\$5,000.00										
626		French 1/8 Per Drain	364	L F	\$50.00	\$18,200.00										
625		Conduit, Schedule 40, PVC, 2"	308	L F	\$8.00	\$2,464.00										
625		Conduit, Schedule 40, PVC, 1"	60	L F	\$7.00	\$420.00										
625		Pull Box, Polymer Concrete, 24"x36"x24"	1	EACH	\$800.00	\$800.00										
625		Street Rod	4	EACH	\$200.00	\$800.00										
629		Street Name Sign Assembly Reset	1	EACH	\$550.00	\$550.00										\$1,100.00
629		Street Name Sign Pole	2	EACH	\$250.00	\$500.00										\$500.00
630		Traffic Sign Removed	3	EACH	\$100.00	\$300.00										
630		Traffic Sign Removed and relocated, as per plan	1	EACH	\$275.00	\$275.00										
630		Traffic Sign - Type A	4	EACH	\$275.00	\$1,100.00										\$1,100.00
630		Traffic Sign - Type B	3	EACH	\$375.00	\$1,125.00										\$3,375.00
632		Pull Box, Polymer Concrete, 48"x30"	1	EACH	\$1,000.00	\$1,000.00										
632		Pullbox, Polymer Concrete, 24"x36"	3	EACH	\$300.00	\$900.00										
632		Basement Foundation	1	EACH	\$600.00	\$600.00										
632		Signal Support Foundation	2	EACH	\$3,000.00	\$6,000.00										
633		Cabinet Foundation	1	EACH	\$1,000.00	\$1,000.00										\$1,470.00
ODOT 643		Center Line, Double, Type A3	380	L F	\$4.00	\$1,520.00										\$735.00
ODOT 644		Lane Line, Dashed, Type 4"	104	L F	\$2.00	\$208.00										
ODOT 645		Groove Lane Line Pavement Markings	490	L F	\$2.00	\$980.00										
653		Topsoil Fumigated & Placed, 4" Thick	294	S Y	\$5.00	\$1,470.00										
659		Lawn Seeding and Mulching	294	S Y	\$2.50	\$735.00										
						\$486,249.00	\$30,540.00	\$1,000.00	\$30,540.00	\$0.00	#REF!	\$88,896.00	\$207,556.00	\$31,250.00	\$0.00	#REF!
		Pro-rated OTHER items								\$0.00	#REF!	\$5,960.18	\$13,509.07	\$2,094.26		
		Total Estimated Construction Cost Less Direct Purchases				\$486,249.00				\$0.00	#REF!	\$94,856.18	\$221,065.07	\$33,344.26		
		Design				\$40,000.00				0.00%	#REF					

BIDDING SCHEDULE FOR: West Emerling Improvements

TO THE DIRECTOR OF PUBLIC SERVICE OF THE CITY OF AKRON:

The undersigned proposes to furnish all labor, materials, and equipment for and construct the following improvement and all other work incidental thereto, including any and all work and materials that may be necessary to connect the work done with the adjoining work, in a proper and workmanlike manner, and according to the plans and profiles on file in the Bureau of Engineering, and upon the terms and conditions of the specifications and form of contract bound herewith and the rules and regulations of the City, and under the direction and to the satisfaction of the Director of Public Service, at the following unit rates, to-wit:

PLEASE TYPE OR USE BLACK INK

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
1	103.05	Contract Performance Bond	1	L.S.		
2	201	Trees Removed, 30"	2	EACH		
3	202	Pipe Abandoned, 6" Lateral	160	L.F.		
4	202	Pipe Abandoned, 6" Water Main	470	L.F.		
5	202	Water Valve Boxes Removed	4	EACH		
6	202	Hydrant Removed	2	EACH		
7	202	Manhole Abandoned	1	EACH		
8	202	Granite and/or Stone Curb Removed & Palletized	600	L.F.		
9	202	Brick Pavement Removed & Palletized	891	S.Y.		
10	202	Walk & Drive Aprons Removed	111	S.F.		
11	202	Abandon 6 Inch Water Main With 6 Inch Cap	1	EACH		
12	202	Abandon Water Service	2	EACH		
13	202	Bollard Removed	13	EACH		
14	203	Excavation Including Embankment Construction	1070	C.Y.		
15	203	Aggregate Refill, Type 2	20	C.Y.		
16	203	Proof Rolling	1	HOUR		

BIDDING SCHEDULE FOR: West Emerling Improvements

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
17	207	Straw or Hay Bales	18	EACH		
18	254	6 Inch Ductile Iron Pipe	535	L.F.		
19	258	6 Inch Valve	4	EACH		
20	259	6 Inch 90 Degree Bend	1	EACH		
21	259	6 Inch 45 Degree Bend	8	EACH		
22	259	6 Inch 22 1/2 Degree Bend	2	EACH		
23	259	6 Inch by 6 Inch Tee	4	EACH		
24	259	8 Inch by 6 Inch Tee	1	EACH		
25	259	6 Inch Solid Sleeve	2	EACH		
26	259	Bell Clamp Joint Repairs. All Labor and Materials to be supplied by the contractor	8	EACH		
27	259	8 Inch by 6 Inch Tapping Sleeve and Valve	1	EACH		
28	260	Fire Hydrants	2	EACH		
29	263	Tying in to 8 Inch Main	1	EACH		
30	265	Water Main Valve Boxes Adjusted	1	EACH		
31	301	7-3/4 inch Bituminous Aggregate Base	529	C.Y.		
32	304	Aggregate Base, 6 Inch Thick, Limestone Only	410	C.Y.		
33	407	Tack Coat	250	GAL.		
34	407	Tack Coat For Intermediate Course	250	GAL.		
35	446	Asphalt Concrete, Surface Course, Type 1, Medium, PG 64-22, 1-1/4" Thickness	86	C.Y.		

BIDDING SCHEDULE FOR: West Emerling Improvements

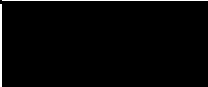
REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
36	446	Asphalt Concrete, Intermediate Course, Type 2, Medium, PG 64-22, 3" Thickness	205	C.Y.		
37	446	Gas Main Valves Boxes Adjusted	2	EACH		
38	448	Asphalt Concrete, Surface Course, Type 1, 4" Thick For Driveway Reconstruction	5	C.Y.		
39	455	6"x18" Concrete Curb	1043	L.F.		
40	456	Concrete Walk, 6 Inches Thick	6665	S.F.		
41	456	Concrete Steps	15	L.F.		
42	456	Curb Ramps	10	EACH		
43	456	Concrete Aprons, 6 Inches Thick	476	S.F.		
44	456	Concrete Driveway Reconstruction, 6 Inches Thick	1662	S.F.		
45	460	Brick Walk Relaid	70	S.F.		
46	553	12 inch Inlet Connection	310	L.F.		
47	556	House Drain Pipe, Complete	4	EACH		
48	556	House Drain Pipe, Type A	16	L.F.		
49	557	8 Inch Sanitary Sewer, VCP Extra Strength, Class B Bedding	270	L.F.		
50	557	24 Inch Sanitary Sewer Repair, VCP Extra Strength, Class B Bedding	8	L.F.		
51	560	6 Inch House Lateral, VCP Extra Strength	105	L.F.		
52	562	Manhole MH-2A on Sanitary Sewer (Casting Supplied by the City of Akron)	1	EACH		
53	562	Manhole Adjusted	3	EACH		
54	563	Inlet, Dbl. No. 5 (Castings Supplied by CoA)	3	EACH		

BIDDING SCHEDULE FOR: West Emerling Improvements

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
55	563	Inlet, Dbl. No. 2 (Castings Supplied by CoA)	1	EACH		
56	563	Inlet, No. 5 (Castings Supplied by CoA)	1	EACH		
57	564	4 inch Pipe Underdrains	1043	L.F.		
58	604	Bank Run Gravel	155	C.Y.		
59	606	Pipe Bollard, As Per Plan	2	EACH		
60	608	Fence Relocation	212	L.F.		
61	609	Engineering Geogrid for Roadways	2500	S.Y.		
62	614	Maintaining Traffic	1	L.S.		
63	616	Calcium Chloride	1	TONS		
64	619	Field Office	1	L.S.		
65	622	Monument Boxes (Castings Supplied by CoA)	4	EACH		
66	623	Construction Layout Stakes	1	L.S.		
67	624	Mobilization	1	L.S.		
68	625	Trench, As Per Plan	368	L.F.		
69	625	Conduit, Schedule 40, PVC, 2"	308	L.F.		
70	625	Conduit, Schedule 40, PVC, 3"	60	L.F.		
71	625	Pull Box, Polymer Concrete, 24"x36"x24"	1	EACH		
72	625	Ground Rod	4	EACH		
73	629	Street Name Sign Assembly Reset	2	EACH		

BIDDING SCHEDULE FOR: West Emerling Improvements

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
74	629	Street Name Sign Pole	2	EACH		
75	630	Traffic Sign Removed	3	EACH		
76	630	Traffic Sign Removed and relocated, as per plan	1	EACH		
77	630	Traffic Sign - Type A	4	EACH		
78	630	Traffic Sign - Type B	9	EACH		
79	632	Pull Box, Polymer Concrete, 48"x30"	1	EACH		
80	632	Pullbox, Polymer Concrete, 24"x36"	3	EACH		
81	632	Pedestal Foundation	2	EACH		
82	632	Signal Support Foundation	2	EACH		
83	633	Cabinet Foundation	1	EACH		
84	ODOT 645	Center Line, Double, Type A3	380	L.F.		
85	ODOT 645	Lane Line, Dashed, Type 4"	104	L.F.		
86	ODOT 645	Groove Long Line Pavement Markings	492	L.F.		
87	653	Topsoil Furnished & Placed, 4" Thick	294	S.Y.		
88	659	Lawn Seeding and Mulching	294	S.Y.		
UNOFFICIAL CONSTRUCTION COST:						
PLEASE COMPLETE THE PROPOSAL FORMS BOUND HEREIN AND SUBMIT THE ENTIRE BOOK. DO NOT REMOVE ANY PAGES. ALL ERASURES MUST BE INITIALED AND DATED BY THE BIDDER.						



DENOTES LUMP SUM - UNIT PRICE

NEED NOT BE COMPLETED

BIDDING SCHEDULE CONTINUED ON NEXT PAGE

BIDDING SCHEDULE FOR: West Emerling Improvements - Alternate Bid Items

TO THE DIRECTOR OF PUBLIC SERVICE OF THE CITY OF AKRON:

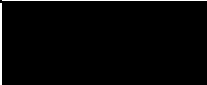
The undersigned proposes to furnish all labor, materials, and equipment for and construct the following improvement and all other work incidental thereto, including any and all work and materials that may be necessary to connect the work done with the adjoining work, in a proper and workmanlike manner, and according to the plans and profiles on file in the Bureau of Engineering, and upon the terms and conditions of the specifications and form of contract bound herewith and the rules and regulations of the City, and under the direction and to the satisfaction of the Director of Public Service, at the following unit rates, to-wit:

PLEASE TYPE OR USE BLACK INK

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
1	456	Concrete Walk, 6 Inches Thick	120	S.F.		
2	456	Curb Ramps	1	EACH		
3	629	Street Name Sign Assembly on Mast Arm	3	EACH		
4	625	Bracket Arm	1	EACH		
5	625	Pull Box, Polymer Concrete, 24"x36"x24"	1	EACH		
6	625	AWG No. 4, Type USE Copper 600 Volt Distribution	180	L.F.		
7	625	2" PVC Sch. 40 Conduit	12	L.F.		
8	632	Signal Support, Type 81.21, Design 12	2	EACH		
9	632	Vehicular Signal Head, LED, 3-Section, 12" Lens	5	EACH		
10	632	Vehicular Signal Head, LED, 5-Section, 12" Lens	1	EACH		
11	632	Pedestrian Signal Head, LED, Type D2 Countdown	4	EACH		
12	632	Pedestrian Push Button	4	EACH		
13	632	Signal Cable, 7 Conductor, No. 14 AWG	500	L.F.		
14	632	Power Service	1	EACH		
15	632	Video Detection System	3	EACH		
16	633	Uninterruptable Power Supply	1	EACH		

BIDDING SCHEDULE FOR: West Emerling Improvements - Alternate Bid Items

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
17	633	Controller Misc.: Fiber Optic Ethernet Transceiver	1	EACH		
18	633	Controller Misc.: Preemption Priority Control	1	EACH		
19	633	Controller Work Pad	1	EACH		
20	633	Controller Unit, Type Cobalt with Cabinet	1	EACH		
21	ODOT 645	Crosswalk, Solid, Type 4"	202	L.F.		
22	ODOT 645	Stop Line, Solid, 24"	28	L.F.		
23	ODOT 645	Groove Long Line Pavement Markings	230	L.F.		
ALTERNATE BID ITEMS UNOFFICIAL CONSTRUCTION COST:						
PLEASE COMPLETE THE PROPOSAL FORMS BOUND HEREIN AND SUBMIT THE ENTIRE BOOK. DO NOT REMOVE ANY PAGES. ALL ERASURES MUST BE INITIALED AND DATED BY THE BIDDER.						



DENOTES LUMP SUM - UNIT PRICE
NEED NOT BE COMPLETED

BIDDING SCHEDULE CONTINUED ON NEXT PAGE

**CITY OF AKRON
DEPARTMENT OF PUBLIC SERVICE, BUREAU OF ENGINEERING
ENGINEER'S ESTIMATE**

ESTIMATE NO. _____ PROJECT _____
 DATE _____ CONTRACTOR _____
 CODE _____
 FINANCE DEPT. NO. _____

REF. NO.	ITEM NO.	DESCRIPTION	ESTIMATE QUANTITY	UNIT	ACTUAL QUANTITY	UNIT PRICE	COMPLETE TO DATE
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CITY OF AKRON
DEPARTMENT OF PUBLIC SERVICE, BUREAU OF ENGINEERING
ENGINEER'S ESTIMATE

ESTIMATE NO. _____ PROJECT _____
DATE _____ CONTRACTOR _____
CODE _____
FINANCE DEPT. NO. _____

REF. NO.	ITEM NO.	DESCRIPTION	ESTIMATE QUANTITY	UNIT	ACTUAL QUANTITY	UNIT PRICE	COMPLETE TO DATE
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**CITY OF AKRON
DEPARTMENT OF PUBLIC SERVICE, BUREAU OF ENGINEERING
ENGINEER'S ESTIMATE**

ESTIMATE NO. _____ PROJECT _____
 DATE _____ CONTRACTOR _____
 CODE _____
 FINANCE DEPT. NO. _____

REF. NO.	ITEM NO.	DESCRIPTION	ESTIMATE QUANTITY	UNIT	ACTUAL QUANTITY	UNIT PRICE	COMPLETE TO DATE
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This is to certify that the work as listed above has been completed in accordance with the contract documents, that all items are paid for which previous certificates for payment were issued and payments received, and that the current payment is now due.

TOTAL COMPLETED TO DATE _____
 STORED MATERIALS _____
 TOTAL COMPLETED & STORED _____
 LESS _____ RETAINAGE _____
 TOTAL EARNED LESS RETAINAGE _____
 LESS PREVIOUS PAYMENTS _____
 LESS ADDITIONAL DEDUCTIONS _____
 CURRENT PAYMENT DUE _____

CONTRACTOR: _____

BY: _____

APPROVED: _____
 CONSTRUCTION ENGINEER

DATE: _____

PAYROLLS REVIEWED/QUANTITIES CHECKED BY:

_____ PROJECT MANAGER

APPROVED: _____
 CITY ENGINEER

DATE: _____

DATE OF PROJECT WORK ACCEPTANCE _____