

AFFIDAVIT OF ESTIMATE OF COST

STATE OF KANSAS)
) ss.
COUNTY OF JOHNSON)

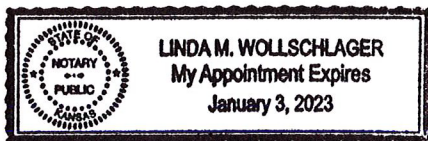
Elizabeth Wright, P.E., of lawful age, being first duly sworn upon her oath,
states:


1. I am the City Engineer for the City of Olathe, Kansas.
2. The attached detailed estimate of the cost for the Brougham Drive Regional Detention Basin Project, PN 2-C-002-16, is attached and I am providing the estimate of the cost under oath (Exhibit A).



Elizabeth Wright

Subscribed in my presence and sworn under oath before me this 24
day of June, 2019.





Notary Public

My Appointment Expires

January 3, 2023

6/18/2019

CITY OF OLATHE
BROUGHAM DR. EMBANKMENT IMPROVEMENTS (2-C-002-16)
LINDENWOOD DR. EMBANKMENT IMPROVEMENTS (2-C-002-16)

**ENGINEERS OPINION OF
PROBABLE COST**

BID ITEM NO.	ITEM DESCRIPTION	UNIT	QTY	UNIT PRICE	TOTAL
Brougham Drive Embankment					
1	Mobilization	LS	1	\$50,000.00	\$50,000.00
2	Clearing and Grubbing	LS	1	\$25,000.00	\$25,000.00
3	Unclassified Excavation	CY	2,335	\$8.00	\$18,680.00
4	Unclassified Excavation (Unsuitable)(est.)	CY	12,418	\$8.00	\$99,343.81
5	Unclassified Excavation (at RCB and Riprap Basin)(est.)	CY	720	\$8.00	\$5,760.00
6	Compaction of Earthwork (All Types)	CY	64,335	\$6.00	\$386,009.86
7	Embankment (Contractor Furnished)	CY	62,777	\$8.00	\$502,213.42
8	Topsoil (est.)	CY	5,650	\$12.00	\$67,800.00
9	KCMMB 5K Concrete (Wing Walls, Apron, Headwall)	CY	63	\$900.00	\$56,700.00
10	12x11-foot RCB (Cast in Place)	LF	140	\$2,800.00	\$392,000.00
11	Large Block Wall	SF	444	\$125.00	\$55,500.00
12	Sanitary Sewer Impervious Ditch Check	LF	4	\$600.00	\$2,400.00
13	Riprap (KDOT 1/4-Ton)	Ton	270	\$65.00	\$17,550.00
14	Riprap (KDOT 1-Ton)	Ton	5,950	\$75.00	\$446,250.00
15	Modified Caged Reinforced Concrete Encasement	LF	161	\$600.00	\$96,600.00
16	Three Strand Barbed Wire Fence	LF	1,260	\$7.00	\$8,820.00
17	Traffic Control	LS	1	\$5,000.00	\$5,000.00
18	Sediment Fence (18")	LF	1,600	\$2.00	\$3,200.00
19	Sediment Fence (30")	LF	1,600	\$4.00	\$6,400.00
20	Rock Ditch Check	EA	18	\$250.00	\$4,500.00
21	Biodegradable Log (9" Diameter)	LF	1,500	\$2.00	\$3,000.00
22	Stream Crossing	EA	1	\$5,000.00	\$5,000.00
23	Concrete Washout	EA	1	\$500.00	\$500.00
24	Temporary Seed	Acre	7.0	\$600.00	\$4,200.00
25	Permanent Seed	Acre	7.0	\$1,200.00	\$8,400.00
26	Handrail (42" Metal)	LF	137	\$150.00	\$20,550.00
27	SMP Project Sign	EA	1	\$900.00	\$900.00
28	Contractor Construction Staking	LS	1	\$20,000.00	\$20,000.00
29	Environmental Assessment Report	LS	1	\$5,460.00	\$5,460.00
Subtotal Brougham Drive =					\$2,317,737.09
Lindenwood Drive Embankment					
30	Mobilization	LS	1	\$50,000.00	\$50,000.00
31	Clearing and Grubbing	LS	1	\$25,000.00	\$25,000.00
32	Unclassified Excavation	CY	3,019	\$8.00	\$24,152.00
33	Unclassified Excavation (Unsuitable)(est.)	CY	11,796	\$8.00	\$94,367.43
34	Unclassified Excavation (at RCB and Riprap Basin)(est.)	CY	1,600	\$8.00	\$12,800.00
35	Compaction of Earthwork (All Types)	CY	68,974	\$6.00	\$413,843.57
36	Embankment (Contractor Furnished)	CY	68,438	\$8.00	\$547,502.39
37	Topsoil (est.)	CY	5,090	\$12.00	\$61,080.00
38	KCMMB 5K Concrete (Wing Walls, Apron, Headwall)	CY	38	\$900.00	\$34,200.00
39	5x4-foot RCB (Cast in Place)	LF	117	\$1,000.00	\$117,000.00
40	9x5-foot RCB (Cast in Place)	LF	125	\$1,400.00	\$175,000.00
41	Large Block Wall	SF	600	\$125.00	\$75,000.00
42	Rebuild Sanitary Sewer Manhole	EA	3	\$2,500.00	\$7,500.00
43	Riprap (KDOT 1/4-Ton)	Ton	2,140	\$65.00	\$139,100.00
44	Caged Reinforced Concrete Encasement (8" PVC)	LF	231	\$200.00	\$46,200.00
45	Caged Reinforced Concrete Encasement (18" PVC)	LF	150	\$300.00	\$45,000.00
46	Traffic Control	LS	1	\$5,000.00	\$5,000.00
47	Sediment Fence (18")	LF	3,590	\$2.00	\$7,180.00
48	Sediment Fence (30")	LF	1,500	\$4.00	\$6,000.00
49	Rock Ditch Check	EA	16	\$250.00	\$4,000.00
50	Biodegradable Log (9" Diameter)	LF	2,565	\$2.00	\$5,130.00
51	Stream Crossing	EA	2	\$5,000.00	\$10,000.00
52	Concrete Washout	EA	1	\$500.00	\$500.00
53	Temporary Seed	Acre	7.0	\$600.00	\$4,200.00
54	Permanent Seed	Acre	7.0	\$1,200.00	\$8,400.00
55	Handrail (42" Metal)	LF	181	\$150.00	\$27,150.00
56	SMP Project Sign	EA	1	\$900.00	\$900.00
57	Contractor Construction Staking	LS	1	\$20,000.00	\$20,000.00
58	Environmental Assessment Report	LS	1	\$5,540.00	\$5,540.00
Subtotal Lindenwood Drive =					\$1,971,745.39
TOTAL =					\$4,289,482.49

