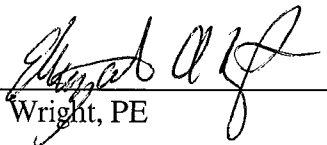


AFFIDAVIT OF ESTIMATE OF COST

STATE OF KANSAS)
) ss.
COUNTY OF JOHNSON)

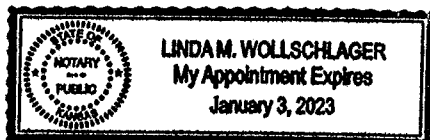
Beth Wright, P.E., of lawful age, being first duly sworn upon her oath,
states:

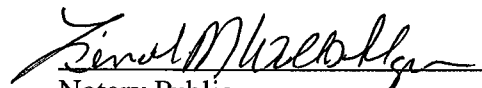
1. I am the City Engineer for the City of Olathe, Kansas.
2. The attached detailed estimate of the cost for the Mahaffie Circle Improvements Project, PN 3-C-107-17, is attached and I am providing the estimate of the cost under oath (Exhibit A).



Beth Wright, PE

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





Notary Public

My Appointment Expires

January 3, 2023

**CITY OF OLATHE KANSAS**

Mahaffie Street (151st to Old 56)

City Project No. 3-C-107-17

Engineer's Construction Cost Estimate

Date: August 2, 2019

NO.	ITEM DESCRIPTION	UNIT	TOTAL	UNIT PRICE	TOTAL COST
1	Mobilization	LS	1	\$ 100,000.00	\$ 100,000.00
2	Clearing and Grubbing	LS	1	\$ 25,000.00	\$ 25,000.00
3	Demolition and Removals	LS	1	\$ 25,000.00	\$ 25,000.00
4	Contractor Construction Staking	LS	1	\$ 30,000.00	\$ 30,000.00
5	Unclassified Excavation	CY	21,143	\$ 18.00	\$ 380,574.00
6	Compaction of Earthwork (All Types)	CY	16,971	\$ 4.00	\$ 67,884.00
7	2" Asphaltic Surface (Modified Superpave)	TON	2,042	\$ 70.00	\$ 142,940.00
8	8" Asphaltic Base (Modified Superpave)	TON	7,786	\$ 70.00	\$ 545,020.00
9	6" Asphaltic Base (BM-2B Modified)	TON	593	\$ 60.00	\$ 35,580.00
10	6" Aggregate Base Course (Modified AB-3)	SY	19,810	\$ 10.00	\$ 198,100.00
11	Concrete Pavement (12" Uniform) (AE) (NRDJ)	SY	837	\$ 95.00	\$ 79,515.00
12	Concrete Pavement (12") (Plain) (AE)	SY	455	\$ 60.00	\$ 27,300.00
13	7" Portland Cement Concrete (KCMMB)	SY	652	\$ 55.00	\$ 35,860.00
14	Drainable Base (Bound) (4")	SY	1,458	\$ 10.00	\$ 14,580.00
15	Fly Ash Treated Subgrade (6")	TON	59	\$ 80.00	\$ 4,720.00
16	Manipulation for Fly Ash Treated Subgrade (6")	SY	1,459	\$ 5.00	\$ 7,295.00
17	Concrete Base Widening	SY	93	\$ 55.00	\$ 5,115.00
18	Pavement Edge Wedge (Rock)	TON	85	\$ 30.00	\$ 2,550.00
19	Concrete Safety Barrier (Type II) (32") (Special)	LF	575	\$ 150.00	\$ 86,250.00
20	Concrete Safety Barrier (Type II) (54") (Special)	LF	418	\$ 200.00	\$ 83,600.00
21	Curb and Gutter, Combined (Type B)	LF	6,686	\$ 20.00	\$ 133,720.00
22	Curb and Gutter, Combined (Type C)	LF	220	\$ 22.00	\$ 4,840.00
23	Brick Pavers	SF	516	\$ 25.00	\$ 12,900.00
24	4" Concrete Sidewalk	SF	38,960	\$ 5.00	\$ 194,800.00
25	Type I ADA Sidewalk Ramp	EA	14	\$ 1,350.00	\$ 18,900.00
26	Type III ADA Sidewalk Ramp	EA	1	\$ 1,500.00	\$ 1,500.00
27	Integral Sidewalk Retaining Wall (ISRW) w/ Form Liner	LF	37	\$ 250.00	\$ 9,250.00
28	7" Concrete Driveway (Commercial)	SY	385	\$ 60.00	\$ 23,100.00
29	Adjust Existing Manhole	EA	1	\$ 1,500.00	\$ 1,500.00
30	6" Underdrain	LF	832	\$ 15.00	\$ 12,480.00
31	Inlet (6' x 4') (Curb)	EA	21	\$ 4,500.00	\$ 94,500.00
32	Inlet (6' x 5') (Curb) (Non-Setback)	EA	1	\$ 6,000.00	\$ 6,000.00
33	Inlet (10' x 4') (Curb)	EA	3	\$ 8,000.00	\$ 24,000.00
34	Inlet (8' x 5') (Curb)	EA	1	\$ 7,500.00	\$ 7,500.00
35	Inlet (6' x 5') (Curb)	EA	9	\$ 6,000.00	\$ 54,000.00
36	Inlet (10' x 7') (Curb)	EA	1	\$ 10,000.00	\$ 10,000.00
37	Inlet (6' x 6') (Curb)	EA	2	\$ 6,500.00	\$ 13,000.00
38	Inlet (8' x 8') (Curb)	EA	1	\$ 8,000.00	\$ 8,000.00
39	Inlet (4' x 4') (Area)	EA	5	\$ 6,000.00	\$ 30,000.00
40	Inlet-Manhole, Special (4.5' x 3.5')	EA	1	\$ 5,500.00	\$ 5,500.00
41	Inlet-Manhole, Special (5' x 5')	EA	1	\$ 6,000.00	\$ 6,000.00
42	Manhole (Storm Sewer) (4' Dia.)	EA	1	\$ 5,000.00	\$ 5,000.00
43	Manhole (Storm Sewer) (5' Dia.)	EA	1	\$ 5,500.00	\$ 5,500.00
44	Junction Box (4' x 4')	EA	1	\$ 4,500.00	\$ 4,500.00
45	Junction Box (5' x 5')	EA	1	\$ 5,500.00	\$ 5,500.00
46	Junction Box (8' x 8')	EA	2	\$ 8,000.00	\$ 16,000.00
47	Storm Sewer (15" RCP) (RCP Class III)	LF	1,208	\$ 70.00	\$ 72,480.00
48	Storm Sewer (18" RCP) (RCP Class III)	LF	189	\$ 75.00	\$ 14,175.00
49	Storm Sewer (24" RCP) (RCP Class III)	LF	620	\$ 90.00	\$ 46,500.00
50	Storm Sewer (30" RCP) (RCP Class III)	LF	343	\$ 120.00	\$ 49,735.00
51	Storm Sewer (36" RCP) (RCP Class III)	LF	546	\$ 130.00	\$ 98,280.00
52	Storm Sewer (42" RCP) (RCP Class III)	LF	390	\$ 150.00	\$ 85,800.00
53	Storm Sewer (48" RCP) (RCP Class III)	LF	66	\$ 170.00	\$ 11,220.00
54	Storm Sewer (54" RCP) (RCP Class III)	LF	5	\$ 220.00	\$ 1,100.00
55	Storm Sewer (60" RCP) (RCP Class III)	LF	92	\$ 250.00	\$ 23,000.00
56	Storm Sewer (78" RCP) (RCP Class III)	LF	83	\$ 500.00	\$ 29,050.00
57	Storm Sewer (36" WSP)	LF	53	\$ 1,185.00	\$ 62,805.00
58	Storm Sewer (12" HDPE)	LF	27	\$ 50.00	\$ 1,350.00
59	Slope Protection (Riprap Stone) (100 lb)	CY	317	\$ 70.00	\$ 22,190.00
60	Slope Protection (Riprap Stone) (200 lb)	CY	30	\$ 70.00	\$ 2,100.00
61	Bedding for Slope Protection	CY	10	\$ 55.00	\$ 550.00
62	Concrete Ditch Lining	SY	12	\$ 70.00	\$ 840.00
63	Flume Inlet (Concrete)	EA	1	\$ 1,000.00	\$ 1,000.00
64	Slope Drain (Stone)	LF	106	\$ 70.00	\$ 7,420.00
65	Slope Drain (Concrete)	LF	88	\$ 50.00	\$ 4,400.00
66	End Section (12" HDPE)	EA	1	\$ 250.00	\$ 250.00
67	End Section (15" RC)	EA	1	\$ 1,000.00	\$ 1,000.00



CITY OF OLATHE KANSAS

Mahaffie Street (151st to Old 56)

City Project No. 3-C-107-17

Engineer's Construction Cost Estimate

Date: August 2, 2019

NO.	ITEM DESCRIPTION	UNIT	TOTAL	UNIT PRICE	TOTAL COST
68	End Section (24" RC)	EA	4	\$ 1,000.00	\$ 4,000.00
69	End Section (36" RC)	EA	1	\$ 2,000.00	\$ 2,000.00
70	End Section (42" RC)	EA	1	\$ 3,500.00	\$ 3,500.00
71	End Section (60" RC)	EA	1	\$ 3,750.00	\$ 3,750.00
72	End Section (78" RC)	EA	1	\$ 4,000.00	\$ 4,000.00
73	Headwall (36" Concrete)	EA	2	\$ 8,500.00	\$ 17,000.00
74	Concrete Pipe Collar (15" RCP)	EA	1	\$ 1,000.00	\$ 1,000.00
75	Concrete Pipe Collar (54" RCP)	EA	1	\$ 1,100.00	\$ 1,100.00
76	Concrete Pipe Collar (78" RCP)	EA	1	\$ 1,200.00	\$ 1,200.00
77	8" Polywrapped (DIP) (Pressure Class 350) (Garmin)	LF	34	\$ 125.00	\$ 4,250.00
78	10" Polywrapped (DIP) (Pressure Class 350) (Garmin)	LF	778	\$ 135.00	\$ 105,030.00
79	6" Gate Valve (Garmin)	EA	1	\$ 2,000.00	\$ 2,000.00
80	10" Gate Valve (Garmin)	EA	2	\$ 2,650.00	\$ 5,300.00
81	Fire Hydrant Installation	EA	1	\$ 5,000.00	\$ 5,000.00
82	Fencing, Black Chain Link (8')	LF	425	\$ 30.00	\$ 12,750.00
83	Fencing, Chain Link (4')	LF	3,020	\$ 25.00	\$ 75,500.00
84	Fencing, Temporary Chain Link (5')	LF	265	\$ 25.00	\$ 6,625.00
85	Fencing, Temporary Chain Link (4')	LF	1,036	\$ 25.00	\$ 25,900.00
86	Permanent Signing	LS	1	\$ 2,000.00	\$ 2,000.00
87	4" White HPS 8 Multi-Polymer Pavement Marking	LF	244	\$ 1.00	\$ 244.00
88	4" Yellow HPS 8 Multi-Polymer Pavement Marking	LF	10,713	\$ 1.50	\$ 16,069.50
89	6" White HPS 8 Multi-Polymer Pavement Marking	LF	2,253	\$ 8.00	\$ 18,024.00
90	6" Yellow HPS 8 Multi-Polymer Pavement Marking	LF	569	\$ 1.00	\$ 569.00
91	12" Yellow HPS 8 Multi-Polymer Pavement Marking	LF	54	\$ 1.50	\$ 81.00
92	6" White Preformed Thermoplastic Pavement Marking	LF	372	\$ 8.00	\$ 2,976.00
93	24" White Preformed Thermoplastic Pavement Marking	LF	149	\$ 20.00	\$ 2,980.00
94	White Turn Arrow Preformed Thermoplastic Pavement Marking	EA	37	\$ 225.00	\$ 8,325.00
95	Street Lighting Installation	LS	1	\$ 255,000.00	\$ 255,000.00
96	Mahaffie & Old 56 Hwy Traffic Signal Installation	LS	1	\$ 280,000.00	\$ 280,000.00
97	Silt Fence	LF	9,048	\$ 2.00	\$ 18,096.00
98	Curb Inlet Protection	EA	39	\$ 70.00	\$ 2,730.00
99	Area Inlet Protection	EA	16	\$ 115.00	\$ 1,840.00
100	Rock Ditch Check	EA	3	\$ 500.00	\$ 1,500.00
101	Erosion Control Blanket	SY	10,509	\$ 2.00	\$ 21,018.00
102	Turf Reinforcement Matting	SY	5,416	\$ 11.00	\$ 59,576.00
103	Temporary Seeding and Hydraulic Mulching	AC	7	\$ 5,000.00	\$ 35,000.00
104	Seeding and Hydraulic Mulching	AC	1	\$ 5,000.00	\$ 5,000.00
105	Sodding	SY	30,503	\$ 5.00	\$ 152,515.00
106	Traffic Control (includes BNSF Bridge Painting Traffic Control)	LS	1	\$ 40,000.00	\$ 40,000.00
107	BNSF Bridge Painting	LS	1	\$ 250,000.00	\$ 250,000.00
108	8" Waterline (Olathe)	LF	195	\$ 125.00	\$ 24,375.00
109	12" Waterline (Olathe)	LF	3,555	\$ 145.00	\$ 515,475.00
110	6" Gate Valve (Olathe)	EA	7	\$ 2,000.00	\$ 14,000.00
111	8" Gate Valve (Olathe)	EA	3	\$ 2,300.00	\$ 6,900.00
112	12" Gate Valve (Olathe)	EA	7	\$ 3,000.00	\$ 21,000.00
113	Fire Hydrant Installation (Olathe)	EA	7	\$ 5,000.00	\$ 35,000.00
114	Air Release Valve & Vault	EA	2	\$ 6,000.00	\$ 12,000.00
115	Install Coated Steel Encasement Pipe (18")	LF	356	\$ 190.00	\$ 67,640.00
116	Fiber Optic Interconnect	LS	1	\$ 130,000.00	\$ 130,000.00
117	Owner's Contingency Allowance (Set)	LS	1	\$ 400,000.00	\$ 400,000.00

3-C-107-17 - Total Construction Cost (2019 Dollars) \$ 5,819,956.50

Note: All Unit Prices based on 2019 values. The costs shown on this estimate represent an estimate of probable costs prepared in good faith and with reasonable care. HNTB has no control over the costs of construction labor, materials, or equipment, nor over competitive bidding or negotiating methods and does not make any commitment or assume any duty to assure that bids or negotiated prices will not vary from this estimate. This estimate does not include costs for right-of-way, utility relocation, and engineering administration.

