

AFFIDAVIT OF ESTIMATE OF COST

STATE OF KANSAS)
) ss.
COUNTY OF JOHNSON)

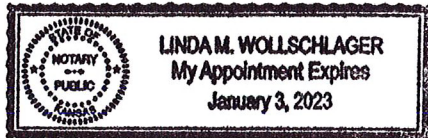
Elizabeth Wright, P.E., of lawful age, being first duly sworn upon her oath,
states:

1. I am the City Engineer for the City of Olathe, Kansas.
2. The attached detailed estimate of the cost for **Woodland Road, K-10 to College Boulevard Improvements Project, PN 3-C-041-18** is attached and I am providing the estimate of the cost under oath (Exhibit A).

Elizabeth Wright

Elizabeth Wright, Deputy Director

Subscribed in my presence and sworn under oath before me this 22nd ^{and LW} ~~January~~
day of January, 2020.



Linda M. Wollschlager

Notary Public

My Appointment Expires
January 3, 2023



CITY OF OLATHE KANSAS

Woodland Road (K-10 to College Boulevard)

City Project No. 3-C-041-18

Bidding Engineer's Construction Cost Estimate

Date: January 6, 2020

NO.	ITEM DESCRIPTION	UNIT	TOTAL	UNIT PRICE	TOTAL COST
1	Mobilization	LS	1	\$ 250,000.00	\$ 250,000.00
2	Cleaning and Grubbing	LS	1	\$ 100,000.00	\$ 100,000.00
3	Demolition and Removals	LS	1	\$ 100,000.00	\$ 100,000.00
4	Contractor Construction Staking	LS	1	\$ 100,000.00	\$ 100,000.00
5	Owner's Contingency Allowance (Set)	LS	1	\$ 150,000.00	\$ 150,000.00
6	Unclassified Excavation	CY	55,080	\$ 18.00	\$ 991,440.00
7	Compaction of Earthwork (All Types)	CY	12,898	\$ 5.00	\$ 64,490.00
8	Cold Milling (2")	SY	11,843	\$ 2.00	\$ 23,686.00
9	2" Asphaltic Surface (Modified Superpave)	TON	4,613	\$ 67.00	\$ 309,071.00
10	10" Asphaltic Base (Modified Superpave)	TON	15,309	\$ 65.00	\$ 995,085.00
11	8" Asphaltic Base (Modified Superpave)	TON	1,512	\$ 65.00	\$ 98,280.00
12	6" Aggregate Base Course (Modified AB-3)	SY	30,578	\$ 10.00	\$ 305,780.00
13	Concrete Base	SY	351	\$ 55.00	\$ 19,305.00
14	Curb and Gutter, Combined (Type A)	LF	158	\$ 25.00	\$ 3,950.00
15	Curb and Gutter, Combined (Type B)	LF	10,062	\$ 20.00	\$ 201,240.00
16	Curb and Gutter, Combined (Type C)	LF	286	\$ 25.00	\$ 7,150.00
17	Curb and Gutter, Combined (Type E)	LF	9,271	\$ 20.00	\$ 185,420.00
18	Concrete Median Nose	EA	9	\$ 1,300.00	\$ 11,700.00
19	Brick Pavers	SF	10,166	\$ 10.00	\$ 101,660.00
20	4" Aggregate Base Course (Modified AB-3)	SY	4,102	\$ 7.00	\$ 28,714.00
21	4" Concrete Sidewalk	SF	56,097	\$ 5.00	\$ 280,485.00
22	Type I ADA Sidewalk Ramp	EA	21	\$ 1,350.00	\$ 28,350.00
23	Type II ADA Sidewalk Ramp	EA	6	\$ 1,500.00	\$ 9,000.00
24	Type III ADA Sidewalk Ramp	EA	2	\$ 1,500.00	\$ 3,000.00
25	2" Asphalt Sidewalk (BM-2)	TON	79	\$ 65.00	\$ 5,135.00
26	3" Asphalt Sidewalk (BM-2B)	TON	131	\$ 62.00	\$ 8,122.00
27	6" Aggregate Sidewalk (Pugged AB-3)	SY	798	\$ 15.00	\$ 11,970.00
28	Modified Integral Sidewalk Retaining Wall (ISRW) w/ Form Liner	LF	1,011	\$ 190.00	\$ 192,090.00
29	CIP Retaining Wall w/ Form Liner	SF	19,889	\$ 95.00	\$ 1,889,455.00
30	Handrail (Metal) (3'-6") (Structural Retaining Walls)	LF	3,879	\$ 175.00	\$ 678,825.00
31	6" Concrete Driveway (Residential)	SY	309	\$ 57.00	\$ 17,613.00
32	7" Concrete Driveway (Commercial)	SY	465	\$ 60.00	\$ 27,900.00
33	6" Asphaltic Base (BM-2B Modified) Driveway	TON	362	\$ 100.00	\$ 36,200.00
34	Adjust Existing Sanitary Sewer Manhole	EA	3	\$ 1,500.00	\$ 4,500.00
35	Pipe Underdrain (6")	LF	6,343	\$ 20.00	\$ 126,860.00
36	Inlet (6' x 4') (Curb) (Special)	EA	3	\$ 10,000.00	\$ 30,000.00
37	Inlet (6' x 4') (Curb)	EA	27	\$ 5,100.00	\$ 137,700.00
38	Inlet (6' x 4') (Curb) (Non-Setback)	EA	9	\$ 6,000.00	\$ 54,000.00
39	Inlet (6' x 3') (Curb) (Non-Setback)	EA	4	\$ 5,500.00	\$ 22,000.00
40	Area Inlet (4' x 4')	EA	2	\$ 5,000.00	\$ 10,000.00
41	Junction Box (4' x 4')	EA	1	\$ 5,000.00	\$ 5,000.00
42	Junction Box (6' x 6') (Special)	EA	1	\$ 15,000.00	\$ 15,000.00
43	Modification of Structure (Adjustment of Junction Box)	EA	1	\$ 1,500.00	\$ 1,500.00
44	Storm Sewer (15" RCP) (RCP Class III)	LF	671	\$ 76.00	\$ 50,996.00
45	Storm Sewer (18" RCP) (RCP Class III)	LF	2,184	\$ 90.00	\$ 196,560.00
46	Storm Sewer (24" RCP) (RCP Class III)	LF	1,195	\$ 120.00	\$ 143,400.00
47	Storm Sewer (30" RCP) (RCP Class III)	LF	586	\$ 140.00	\$ 82,040.00
48	End Section (18" RC)	EA	2	\$ 1,100.00	\$ 2,200.00
49	End Section (24" RC)	EA	1	\$ 1,300.00	\$ 1,300.00
50	End Section (30" RC)	EA	2	\$ 1,500.00	\$ 3,000.00
51	Slope Protection (Riprap Stone)(100 lb)	CY	113	\$ 82.00	\$ 9,266.00
52	Slope Protection (Riprap Stone)(200 lb)	CY	19	\$ 85.00	\$ 1,615.00
53	Bedding for Slope Protection	CY	5	\$ 100.00	\$ 500.00
54	Concrete Ditch Lining (Backslope)	SY	60	\$ 70.00	\$ 4,200.00
55	Concrete Ditch Lining	SY	7	\$ 70.00	\$ 490.00
56	Temporary Storm Sewer (18")	LF	140	\$ 110.00	\$ 15,400.00
57	Temporary Storm Sewer (30")	LF	4	\$ 160.00	\$ 640.00
58	Temporary Concrete Pipe Collar (18" RC)	EA	7	\$ 800.00	\$ 5,600.00
59	Temporary Concrete Pipe Collar (30" RC)	EA	3	\$ 1,500.00	\$ 4,500.00
60	Fencing, Black Chain Link (Triple Strand Barbed Wire, Metal Post) (6')	LF	128	\$ 50.00	\$ 6,400.00
61	Fencing, Woven Wire (Double Strand Barbed Wire, Wood Post) (5')	LF	1,286	\$ 45.00	\$ 57,870.00
62	Fencing, Woven Wire (Single Strand Barbed Wire, Metal Post) (4')	LF	1,266	\$ 40.00	\$ 50,640.00
63	Fencing, Wooden Rail (4')	LF	617	\$ 30.00	\$ 18,510.00
64	Fencing, Woven Wire (4')	LF	272	\$ 31.00	\$ 8,432.00
65	Fencing, Chain Link (4')	LF	242	\$ 50.00	\$ 12,100.00
66	Fencing, Temporary Chain Link (4')	LF	3,760	\$ 25.00	\$ 94,000.00
67	Fencing, Temporary Wire Fence (Double Strand Barbed Wire, Wood Post) (5')	LF	441	\$ 25.00	\$ 11,026.00
68	Median Irrigation System	LS	1	\$ 175,000.00	\$ 175,000.00



CITY OF OLATHE KANSAS

Woodland Road (K-10 to College Boulevard)

City Project No. 3-C-041-18

Bidding Engineer's Construction Cost Estimate

Date: January 6, 2020

NO.	ITEM DESCRIPTION	UNIT	TOTAL	UNIT PRICE	TOTAL COST
69	Tree - Deciduous, 2.5" CAL.	EA	8	\$ 450.00	\$ 3,600.00
70	Water Line Mobilization/Demobilization	LS	1	\$ 10,000.00	\$ 10,000.00
71	12-inch PVC Pipe	LF	4,565	\$ 115.00	\$ 524,975.00
72	8-inch PVC Pipe	LF	531	\$ 100.00	\$ 53,100.00
73	6-inch PVC Pipe	LF	20	\$ 80.00	\$ 1,600.00
74	2-inch HDPE Temporary Pipe	LF	315	\$ 30.00	\$ 9,450.00
75	2-inch HDPE Pipe	LF	50	\$ 30.00	\$ 1,500.00
76	20-inch steel encasement	LF	160	\$ 130.00	\$ 20,800.00
77	16-inch steel encasement	LF	310	\$ 100.00	\$ 31,000.00
78	4" HDPE encasement	LF	25	\$ 25.00	\$ 625.00
79	12-inch Gate Valve Installation	EA	8	\$ 3,000.00	\$ 24,000.00
80	8-inch Gate Valve Installation	EA	5	\$ 2,000.00	\$ 10,000.00
81	6-inch Gate Valve Installation	EA	1	\$ 1,500.00	\$ 1,500.00
82	4-inch Gate Valve Installation	EA	1	\$ 1,000.00	\$ 1,000.00
83	Hydrant Installation	EA	8	\$ 5,000.00	\$ 40,000.00
84	Connection to Existing 8-inch - 600'N +/- 105th & Woodland	LS	1	\$ 7,000.00	\$ 7,000.00
85	Connection to Existing 8-inch - 105th & Woodland	LS	1	\$ 7,000.00	\$ 7,000.00
86	Connection to Existing 6-inch - 105th & Woodland	LS	1	\$ 7,000.00	\$ 7,000.00
87	Connection to Existing 6-inch - 107th & Woodland	LS	1	\$ 7,000.00	\$ 7,000.00
88	Connection to Existing 8-inch - 107th Ter. & Woodland	LS	1	\$ 7,000.00	\$ 7,000.00
89	Connection to Existing 8-inch - 108th Ter. & Woodland	LS	1	\$ 7,000.00	\$ 7,000.00
90	Connection to Existing 8-inch - 110th & Woodland	LS	1	\$ 7,000.00	\$ 7,000.00
91	Connection to Existing 12-inch - 111th & Woodland	LS	1	\$ 7,000.00	\$ 7,000.00
92	2" Temp. Connection to retired FH valve - 111th & Woodland	LS	1	\$ 3,000.00	\$ 3,000.00
93	Service Line/Change Over - 10425 S Woodland Rd.	LS	1	\$ 5,000.00	\$ 5,000.00
94	Service Line/Change Over - 10859 S Woodland Rd.	LS	1	\$ 5,000.00	\$ 5,000.00
95	Service Line/Change Over - 10800 S Woodland Rd.	LS	1	\$ 1,000.00	\$ 1,000.00
96	Service Line/Change Over - 10940 S Woodland Rd.	LS	1	\$ 1,000.00	\$ 1,000.00
97	Service Line/Change Over - Temp&Final 19720 College Blvd.	LS	1	\$ 2,000.00	\$ 2,000.00
98	Service Line/Change Over - Temp&Final 19700 College Blvd.	LS	1	\$ 2,000.00	\$ 2,000.00
99	Service Line/Change Over - Temp&Final 198300 College Blvd.	LS	1	\$ 2,000.00	\$ 2,000.00
100	Traffic Signal Modification (Woodland and College)	LS	1	\$ 170,000.00	\$ 170,000.00
101	Traffic Pedestrian Signal (Woodland and 107th Terrace)	LS	1	\$ 110,000.00	\$ 110,000.00
102	Traffic Signal Modification (Woodland and K-10)	LS	1	\$ 15,000.00	\$ 15,000.00
103	Street Lighting Installation	LS	1	\$ 250,000.00	\$ 250,000.00
104	Permanent Signing	LS	1	\$ 30,000.00	\$ 30,000.00
105	4" Yellow HPS 8 Multi-Polymer Pavement Marking	LF	346	\$ 1.00	\$ 346.00
106	6" White HPS 8 Multi-Polymer Pavement Marking	LF	12,705	\$ 1.50	\$ 19,057.50
107	6" Yellow HPS 8 Multi-Polymer Pavement Marking	LF	64	\$ 1.50	\$ 96.00
108	6" White Prefomed Thermoplastic Pavement Marking	LF	115	\$ 3.00	\$ 345.00
109	12" White Prefomed Thermoplastic Pavement Marking	LF	212	\$ 4.00	\$ 848.00
110	24" White Prefomed Thermoplastic Pavement Marking	LF	106	\$ 20.00	\$ 2,120.00
111	White Turn Arrow Prefomed Thermoplastic Pavement Marking	EA	58	\$ 225.00	\$ 13,050.00
112	White Bike Lane Rider Prefomed Thermoplastic Pavement Marking	EA	16	\$ 200.00	\$ 3,200.00
113	White Bike Lane Arrow Prefomed Thermoplastic Pavement Marking	EA	16	\$ 200.00	\$ 3,200.00
114	Erosion and Sediment Control	LS	1	\$ 60,000.00	\$ 60,000.00
115	Erosion Control Blanket (Class I) (Type A)	SY	31,653	\$ 2.00	\$ 63,306.00
116	Temporary Seeding and Hydraulic Mulching	AC	10	\$ 3,000.00	\$ 30,000.00
117	Sodding	SY	45,000	\$ 5.00	\$ 225,000.00
118	Traffic Control	LS	1	\$ 100,000.00	\$ 100,000.00
119	Temporary 6" Asphaltic Base (BM-2B Modified)	TON	422	\$ 60.00	\$ 25,320.00
120	Lawn Sprinkler System (Tract 7)	LS	1	\$ 5,000.00	\$ 5,000.00
121	Lawn Sprinkler System (Tract 8)	LS	1	\$ 5,000.00	\$ 5,000.00
122	Lawn Sprinkler System (Tract 11)	LS	1	\$ 5,000.00	\$ 5,000.00
123	Lawn Sprinkler System (Tract 12)	LS	1	\$ 5,000.00	\$ 5,000.00
124	Lawn Sprinkler System (Tract 17)	LS	1	\$ 5,000.00	\$ 5,000.00
125	Lawn Sprinkler System (Tract 22)	LS	1	\$ 5,000.00	\$ 5,000.00
126	Lawn Sprinkler System (Tract 25a)	LS	1	\$ 5,000.00	\$ 5,000.00
127	Land Corner Monument Box	EA	1	\$ 2,000.00	\$ 2,000.00
128	Permanent Wayfinding Sign	LS	1	\$ 3,000.00	\$ 3,000.00
129	Wayfinding Sign (Remove and Reset)	LS	1	\$ 1,000.00	\$ 1,000.00

3-C-041-18 - Woodland Road (K-10 to College Boulevard) Total Construction Cost (2019 Dollars) \$ 10,569,398.50

Note: All Unit Prices based on 2019 values. The costs shown in 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, equipment, and subcontractors. HNTB is not responsible for 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.

