


AFFIDAVIT OF ESTIMATE OF COST

STATE OF KANSAS)
) ss.
COUNTY OF JOHNSON)


Nathan Baldwin, P.E., of lawful age, being first duly sworn upon his oath,
states:

1. I am the City Engineer for the City of Olathe, Kansas.
2. The attached detailed estimate of the cost for the 167th & Ridgeview Geometric Improvements, PN 3-C-018-22 is attached and I am providing the estimate of the cost under oath (Exhibit A).



Nathan Baldwin

Subscribed in my presence and sworn under oath before me this 10th
day of November, 2024.



Notary Public

My Appointment Expires
August 19, 2028





Payne & Brockway, P.A.

CIVIL ENGINEERS & LAND SURVEYORS

MARK HUGGINS, P.E.
GERALD CONN, P.S.

CARMAN G. PAYNE, P.E. (1892-1963)
S.H. BROCKWAY, P.E. (1907-1989)
LEE MEIREIS, R.L.S. (1933-2010)
ED YOUNG, P.E., R.L.S. (1936-2011)
JOHNNY RAY, R.L.S. (RETIRED)
MIKE HOWELL, R.L.S. (RETIRED)

Engineers Opinion of Probable Cost

167th Street & Ridgeview Road Geometric Improvements
 KDOT Project No. 46-N-0748-01
 FHWA Project No. CMQ-N074(801)
 CPN 3-C-018-22
 #22-0008 Updated 08/01/24

Geometric Improvements					
	Item	Quantity	Unit	Unit Cost	Total Cost
1	Mobilization	1	LS	\$50,000.00	\$50,000.00
2	DBE Mobilization	1	LS	\$25,000.00	\$25,000.00
3	Construction Staking	1	LS	\$25,000.00	\$25,000.00
4	Owner's Allowance (\$50,000)*	1	LS	\$50,000.00	\$50,000.00
5	Clearing and Grubbing	1	LS	\$25,000.00	\$25,000.00
6	Removal of Existing Structures	1	LS	\$100,000.00	\$100,000.00
7	Unclassified Excavation	4,000	CY	\$15.00	\$60,000.00
8	Compaction of Earthwork (All Types)	22,200	CY	\$5.00	\$111,000.00
9	Embankment (Contractor Furnished)	18,200	CY	\$16.00	\$291,200.00
10	2" Milling	524	SY	\$7.00	\$3,668.00
11	2" Asphaltic Concrete Surface (Modified Superpave)	919	Tons	\$100.00	\$91,900.00
12	4" Asphaltic Concrete Base (Modified Superpave) --- (Shoulders)	99	Tons	\$100.00	\$9,900.00
13	10" Asphaltic Concrete Base (Modified Superpave) --- (Roadway)	4,407	Tons	\$100.00	\$440,700.00
14	4" Concrete Sidewalk	16,164	SF	\$6.50	\$105,066.00
15	4" Aggregate Base Course (Modified AB-3)	1,576	SY	\$10.00	\$15,760.00
16	6" Aggregate Base Course (Modified AB-3)	10,671	SY	\$12.00	\$128,052.00
17	4" Stamped Colored Concrete	1,006	SY	\$70.00	\$70,420.00
18	9" Stamped Colored Concrete	617	SY	\$115.00	\$70,955.00
19	10" Concrete Median Base (3K)	984	SY	\$70.00	\$68,880.00
20	Splitter Island Sidewalk	101	SY	\$80.00	\$8,080.00
21	Type "B" Concrete Curb and Gutter	2,349	LF	\$30.00	\$70,470.00
22	Type "E" Concrete Curb and Gutter	2,196	LF	\$30.00	\$65,880.00
23	Type "E Special" Concrete Curb and Gutter	497	LF	\$30.00	\$14,910.00
24	Type I Sidewalk Ramp	9	EA	\$2,000.00	\$18,000.00
25	Type II Sidewalk Ramp	1	EA	\$2,500.00	\$2,500.00
26	Type III Sidewalk Ramp	1	EA	\$3,000.00	\$3,000.00
27	6" Residential Concrete Driveway	417	SY	\$70.00	\$29,190.00
28	7" Commercial Concrete Driveway	18	SY	\$80.00	\$1,440.00

29	4" Gravel Driveway	66	SY	\$10.00	\$660.00
30	6" Asphalt Driveway	557	SY	\$40.00	\$22,280.00
31	Keystone Retaining Wall	245	FF	\$50.00	\$12,250.00
32	Handrail	211	LF	\$250.00	\$52,750.00
33	4" HDPE Underdrain	121	LF	\$30.00	\$3,630.00
34	4" HDPE Perforated Underdrain	390	LF	\$30.00	\$11,700.00
35	4" PVC Underdrain	39	LF	\$25.00	\$975.00
36	Concrete Collar for Underdrain	1	EA	\$500.00	\$500.00
37	6'x4' Curb Inlet	5	EA	\$8,000.00	\$40,000.00
38	6'x4' Area Inlet w/ 2 Openings	1	EA	\$8,000.00	\$8,000.00
39	6'x6' Area Inlet w/ 1 Opening	1	EA	\$9,000.00	\$9,000.00
40	6'x7' Area Inlet w/ 1 Opening	1	EA	\$10,000.00	\$10,000.00
41	6'x4' Junction Box	1	EA	\$8,000.00	\$8,000.00
42	24" HDPE	10	LF	\$120.00	\$1,200.00
43	15" RCP (Class III)	110	LF	\$125.00	\$13,750.00
44	18" RCP (Class III)	92	LF	\$135.00	\$12,420.00
45	24" RCP (Class III)	245	LF	\$150.00	\$36,750.00
46	30" RCP (Class III)	140	LF	\$175.00	\$24,500.00
47	42" RCP (Class III)	100	LF	\$200.00	\$20,000.00
48	51-1/8"x31-5/16" RCAP	311	LF	\$250.00	\$77,750.00
49	24" HDPE End Section	1	EA	\$1,500.00	\$1,500.00
50	18" RCP End Section	2	EA	\$1,500.00	\$3,000.00
51	30" RCP End Section	4	EA	\$2,000.00	\$8,000.00
52	42" RCP End Section	4	EA	\$3,000.00	\$12,000.00
53	51-1/8"x31-5/16" RCAP End Section	1	EA	\$5,000.00	\$5,000.00
54	150 Lb. Min. Stone Rip-Rap (18" Min. Depth)	7	CY	\$170.00	\$1,190.00
55	500 Lb. Min. Stone Rip-Rap (24" Min. Depth)	208	CY	\$200.00	\$41,600.00
56	RCP Connection to Proposed/Existing Structure	4	EA	\$2,500.00	\$10,000.00
57	Double 12'x4' RCB with Wingwalls and Apron	153	LF	\$2,000.00	\$306,000.00
58	Double 5'x4' RCB with Wingwalls and Apron	134	LF	\$1,600.00	\$214,400.00
59	Street Lighting	1	LS	\$80,000.00	\$80,000.00
60	Irrigation*	1	LS	\$50,000.00	\$50,000.00
61	Landscaping*	1	LS	\$35,000.00	\$35,000.00
62	Pavement Marking, 6" Solid White Lane Line (HPS-8)	7	LF	\$5.00	\$35.00
63	Pavement Marking, 6" Solid White Edge Line (HPS-8)	1,965	LF	\$5.00	\$9,825.00
64	Pavement Marking, 6" Dotted White Extension Edge Line (Preformed Thermo)	197	LF	\$10.00	\$1,970.00
65	Pavement Marking, 4" Solid Yellow Line (HPS-8)	4,266	LF	\$8.00	\$34,128.00
66	Pavement Marking, 6" Solid White Crosswalk Line (Preformed Thermo)	273	LF	\$10.00	\$2,730.00
67	Pavement Marking, 12" Solid Yellow Diagonal Line (Preformed Thermo)	65	LF	\$15.00	\$975.00
68	Permanent Street Signing	1	LS	\$4,000.00	\$4,000.00
69	Traffic Control	1	LS	\$25,000.00	\$25,000.00

70	Temporary Relocation of Private Signs*	1	LS	\$1,000.00	\$1,000.00
71	Permanent Relocation of Private Signs*	1	LS	\$1,000.00	\$1,000.00
72	Installation of Temporary Mailboxes*	2	EA	\$500.00	\$1,000.00
73	Installation of Permanent Mailboxes	5	EA	\$500.00	\$2,500.00
74	Install Monument Box	1	EA	\$2,500.00	\$2,500.00
75	Stabilized Construction Entrance	16	Tons	\$30.00	\$480.00
76	Silt Fence	5,100	LF	\$2.00	\$10,200.00
77	Install Temporary Inlet Sediment Barrier (Existing Inlets)	2	EA	\$150.00	\$300.00
78	Install Temporary Inlet Sediment Barrier (New Inlets)	8	EA	\$200.00	\$1,600.00
79	Temporary Seeding	2.3	Acres	\$2,000.00	\$4,600.00
80	Seeding and Hydraulic Mulching	2.3	Acres	\$2,000.00	\$4,600.00
81	Sodding	15,170	SY	\$7.00	\$106,190.00
82	Erosion Control Blanket	464	SY	\$22.00	\$10,208.00
83	Turf Reinforcement Mat	2,395	SY	\$10.00	\$23,950.00
84	Rock Ditch Check	14.00	EA	\$1,000.00	\$14,000.00
85	Raise Existing Sanitary Sewer Manhole Top	2.17	VF	\$900.00	\$1,953.00
Total					\$3,354,520.00

* **KDOT Non-Participating Item**

Geometric Improvement Quantities:

\$ 3,354,520.00

Prepared By,



Mark S. Huggins, P.E.