

AFFIDAVIT OF ESTIMATE OF COST

STATE OF KANSAS)
) ss.
COUNTY OF JOHNSON)

Nate 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 Indian Creek – Lindenwood, Jamestown to Arrowhead, Stormwater Improvements, PN 2-C-016-22 is attached and I am providing the estimate of the cost under oath (Exhibit A).



Nate Baldwin

Subscribed in my presence and sworn under oath before me this 18th
day of March, 2024.



Notary Public

My Appointment Expires
August 19, 2024



**CITY OF OLATHE KANSAS**

Indian Creek - Lindenwood (Jamestown to Arrowhead)

City Project No. 2-C-016-22

Johnson County SMP No. IC-09-056

Engineer's Estimate

Date:

March 13, 2024

Engineer's Estimate of Probable Costs

Bid Items					
No.	Item Description	Unit	Quantity	Unit Price	Total Cost
1	Mobilization	LS	1	\$ 287,000	\$ 287,000
2	Contractor Construction Staking	LS	1	\$ 40,000	\$ 40,000
3	Clearing and Grubbing	LS	1	\$ 125,000	\$ 125,000
4	Unclassified Excavation	CY	28,319	\$ 27	\$ 764,613
5	Compaction of Earthwork	CY	4,296	\$ 5	\$ 21,480
6	Remove Existing Pavement	SY	4,034	\$ 10	\$ 40,340
7	Remove Existing Driveway	SY	117	\$ 10	\$ 1,170
8	Sidewalk Removal	LF	2,729	\$ 7	\$ 19,103
9	Removal of Exist. Structures	LS	1	\$ 100,000	\$ 100,000
Roadway Construction					
10	Cold Milling	SY	210	\$ 20	\$ 4,200
11	Full Depth Street Patch	EA	5	\$ 8,500	\$ 42,500
12	2" Asphaltic Concrete Surface (BM-2FR)	TONS	374	\$ 115	\$ 43,010
13	6" Asphaltic Concrete Base (BM-2BFR)	TONS	233	\$ 110	\$ 25,630
14	8" Asphaltic Concrete Base (BM-2BFR)	TONS	1,076	\$ 110	\$ 118,360
15	Aggregate Base Course (AB-3 Modified) (6")	SY	3,458	\$ 13	\$ 44,954
16	Aggregate Base Course (AB-3 Modified) (4")	SY	1,342	\$ 9	\$ 12,078
17	Subgrade Repair (Geogrid) (Est.)	SY	2,776	\$ 10	\$ 27,760
18	Concrete Pavement (10" Unif.) (AE) (Br App)	CY	52	\$ 250	\$ 13,000
19	Install Curb and Gutter (Type A)	LF	271	\$ 35	\$ 9,485
20	Install Curb and Gutter (Type B)	LF	1,935	\$ 35	\$ 67,725
21	Concrete Safety Barrier	LF	92	\$ 225	\$ 20,700
22	4" Asphaltic Concrete Surface (BM-2FR)	TONS	77	\$ 115	\$ 8,855
23	Install Concrete Sidewalk	SF	13,601	\$ 6	\$ 81,606
24	Concrete Sidewalk Construction (Br App)	SF	639	\$ 17	\$ 10,863
25	Stamped Concrete	SF	102	\$ 63	\$ 6,426
26	Install Type I Sidewalk Ramp	EA	3	\$ 2,000	\$ 6,000
27	Install Type II Sidewalk Ramp	EA	3	\$ 2,500	\$ 7,500
28	Install Type III Sidewalk Ramp	EA	2	\$ 2,500	\$ 5,000
29	Install Concrete Drive (6")	SY	112	\$ 80	\$ 8,960
Utility Adjustments					
30	Adjust Existing Sanitary Sewer Manhole	EA	3	\$ 2,500	\$ 7,500
31	Adjust Existing Sanitary Sewer Manhole & Install Bolt-Down Locking Floodplain Lid	EA	2	\$ 3,000	\$ 6,000
32	Install Bolt-Down Locking Floodplain Lid	EA	2	\$ 1,000	\$ 2,000
33	Adjust. Exist. Water Valve Box or Meter Box	EA	2	\$ 1,500	\$ 3,000
Storm Sewer					
34	6' x 4' Curb Inlet	EA	11	\$ 8,400	\$ 92,400
35	8' x 4' Curb Inlet	EA	2	\$ 9,500	\$ 19,000
36	10' x 4' Curb Inlet	EA	1	\$ 10,500	\$ 10,500
37	6' x 6' Non-Setback Curb Inlet	EA	1	\$ 9,000	\$ 9,000
38	8' x 5' Non-Setback Curb Inlet	EA	1	\$ 9,000	\$ 9,000
39	8' x 8' Area Inlet	EA	1	\$ 15,000	\$ 15,000
40	4' x 4' Junction Box	EA	3	\$ 7,400	\$ 22,200
41	4' x 7' Junction Box	EA	1	\$ 8,500	\$ 8,500
42	4' x 8' Junction Box	EA	1	\$ 9,500	\$ 9,500
43	6' x 5' Junction Box	EA	1	\$ 10,500	\$ 10,500
44	Concrete Collar	EA	2	\$ 1,500	\$ 3,000
45	Storm Sewer (15") (RCP)	LF	309	\$ 95	\$ 29,355
46	Storm Sewer (18") (RCP)	LF	125	\$ 105	\$ 13,125
47	Storm Sewer (24") (RCP)	LF	327	\$ 125	\$ 40,875
48	Storm Sewer (36") (RCP)	LF	78	\$ 210	\$ 16,380
49	Storm Sewer (48") (RCP)	LF	89	\$ 280	\$ 24,920
50	Storm Sewer (66") (RCP)	LF	209	\$ 500	\$ 104,500
51	End Section (15") (RC)	EA	1	\$ 1,500	\$ 1,500
52	End Section (18") (RC)	EA	1	\$ 1,800	\$ 1,800
53	End Section (24") (RC)	EA	3	\$ 2,000	\$ 6,000
54	End Section (48") (RC)	EA	1	\$ 3,800	\$ 3,800
55	End Section (66") (RC)	EA	1	\$ 4,500	\$ 4,500
Slope Protection					
56	Slope Protection (Riprap Stone)(200 LB.)	CY	4,099	\$ 95	\$ 389,405
57	Slope Protection (Riprap Stone)(100 LB.)	CY	311	\$ 95	\$ 29,545
58	Bedding for Slope Protection (6")	CY	1,066	\$ 75	\$ 79,950

Sanitary Sewer					
59	4' Dia. Manhole (Sanitary) with Install Bolt-Down Locking Floodplain Lid	EA	1	\$ 11,000	\$ 11,000
60	5' Dia. Manhole (Sanitary)	EA	2	\$ 12,000	\$ 24,000
61	5' Dia. Manhole (Sanitary) with Install Bolt-Down Locking Floodplain Lid	EA	7	\$ 13,000	\$ 91,000
62	Sanitary Sewer (8") (PVC SDR 26)	LF	40	\$ 200	\$ 8,000
63	Sanitary Sewer (12") (PVC SDR 26)	LF	203	\$ 260	\$ 52,780
64	Sanitary Sewer (15") (PVC SDR 26)	LF	164	\$ 315	\$ 51,660
65	Sanitary Sewer (30") (PVC PS 115)	LF	983	\$ 450	\$ 442,350
66	Concrete Encasement (Sanitary)	LF	307	\$ 290	\$ 89,030
67	Caged Reinforced Concrete Encasement (Sanitary)	LF	148	\$ 340	\$ 50,320
68	6" Service Line (SDR 26) (Sanitary)	LF	32	\$ 160	\$ 5,120
69	Flowable Fill	CY	143	\$ 260	\$ 37,180
Waterline					
70	6" Waterline (DIP) (Polywrapped) (Pressure Class 350)	LF	28	\$ 135	\$ 3,780
71	8" Waterline (DIP) (Polywrapped) (Pressure Class 350)	LF	422	\$ 175	\$ 73,850
72	12" Waterline (DIP) (Polywrapped) (Pressure Class 350)	LF	319	\$ 200	\$ 63,800
73	Gate Valve (8")	EA	1	\$ 2,100	\$ 2,100
74	Straddle Block (6")	EA	5	\$ 1,200	\$ 6,000
75	Straddle Block (8")	EA	2	\$ 1,700	\$ 3,400
76	Straddle Block (12")	EA	4	\$ 2,200	\$ 8,800
77	Concrete Encasement (Waterline)	LF	86	\$ 175	\$ 15,050
78	Relocate Fire Hydrant	EA	2	\$ 3,000	\$ 6,000
Feature Restoration					
79	Fence (Chain Link) (48")	LF	147	\$ 32	\$ 4,704
80	Fence (Chain Link) (60")	LF	38	\$ 42	\$ 1,596
81	Fence (Wood Privacy) (48")	LF	76	\$ 40	\$ 3,040
82	Fence (Wood Privacy) (72")	LF	583	\$ 50	\$ 29,150
83	Gate (Wood Privacy) (48")	EA	1	\$ 315	\$ 315
84	Gate (Wood Privacy) (72")	EA	1	\$ 315	\$ 315
85	Salvage & Reconstruct Monument	EA	1	\$ 15,000	\$ 15,000
86	Install Relocated Bench	EA	1	\$ 1,000	\$ 1,000
87	Relocate and Reset Shed (Tract 3)	EA	1	\$ 4,000	\$ 4,000
88	Relocate and Reset Shed (Tract 4)	EA	1	\$ 4,000	\$ 4,000
89	Relocate and Reset Shed and Landscaping Rock (Tract 7)	EA	1	\$ 5,000	\$ 5,000
90	Railroad Tie Wall (Tract 24)	EA	1	\$ 5,000	\$ 5,000
Bridge					
91	Class I Excavation (Pawnee Bridge)	CY	96	\$ 68	\$ 6,528
92	Class II Excavation (Pawnee Bridge)	CY	306	\$ 90	\$ 27,540
93	Concrete (Grade 4.0)(AE) (Pawnee Bridge)	CY	135.2	\$ 1,100	\$ 148,720
94	Concrete (Grade 4.0)(AE)(SA) (Pawnee Bridge)	CY	306.4	\$ 1,000	\$ 306,400
95	Reinforcing Steel (Grade 60) (Pawnee Bridge)	LB	19,840	\$ 1.80	\$ 35,712
96	Reinforcing Steel (Grade 60)(Epoxy Coated) (Pawnee Bridge)	LB	70,230	\$ 2.00	\$ 140,460
97	Drilled Shaft (30") (Pawnee Bridge)	LF	167.5	\$ 700	\$ 117,250
98	Sonic Test (Drilled Shaft)(Set Price) (Pawnee Bridge)	EA	1	\$ 1,800	\$ 1,800
99	Bridge Handrail (Metal)(Spec.) (Pawnee Bridge)	LF	161	\$ 230	\$ 37,030
100	Bridge Handrail (Metal)(4'-6") (Pawnee Bridge)	LF	166	\$ 200	\$ 33,200
101	Abutment Aggregate Drain (Pawnee Bridge)	CY	96	\$ 180	\$ 17,280
102	Bridge Backwall Protection System (Pawnee Bridge)	SY	68	\$ 60	\$ 4,080
103	Multi-Layer Polymer Concrete Overlay (Pawnee Bridge)	SY	510.9	\$ 140	\$ 71,526
104	Concrete Masonry Coating (Pawnee Bridge)	SY	85	\$ 50	\$ 4,250
105	Prefabricated Bridge (Steel)(78ft) (Pedestrian Bridge)	LS	1	\$ 134,400	\$ 134,400
106	Concrete (Grade 4.0)(AE) (Pedestrian Bridge)	CY	14.2	\$ 830	\$ 11,786
107	Reinforcing Steel (Grade 60) (Pedestrian Bridge)	LB	1,180	\$ 1.65	\$ 1,947
108	Re-deck Existing Pedestrian Bridge	LS	1	\$ 5,000	\$ 5,000
Landscaping					
109	Sodding	SY	5,599	\$ 7	\$ 39,193
110	Seeding (Lawn Grass)	SY	7,802	\$ 2	\$ 15,604
111	Seeding (Wildflower Planting)	SY	690	\$ 6	\$ 4,140
112	Seeding (Flood Bench Seeding)	SY	4,672	\$ 3	\$ 14,016
113	Deep Cell Plug (Native Grasses)	EA	1,424	\$ 6.50	\$ 9,256
114	Turf Reinforcement Mat (TRM) (Permanent)	SY	6,461	\$ 9	\$ 58,149
115	Turf Reinforcement Mat (TRM) (Temporary)	SY	2,796	\$ 5	\$ 13,980
116	Tree Replacement	EA	115	\$ 525	\$ 60,375
117	Temporary Seeding & Mulching	Acre	5.44	\$ 1,600	\$ 8,704
118	Erosion Control	LS	1	\$ 30,000	\$ 30,000
Traffic and Misc.					
119	Street Lighting Installation	LS	1	\$ 35,000	\$ 35,000
120	Permanent Signing & Striping	LS	1	\$ 10,000	\$ 10,000
121	SMP Project Sign	EA	2	\$ 800	\$ 1,600
122	Traffic Control	LS	1	\$ 40,000	\$ 40,000
123	As-Built Plans	LS	1	\$ 2,000	\$ 2,000

2024 Construction 2-C-016-21 (SMP Eligible) SubTotal \$ 5,501,339.00
Owner's Allowance (Set Price) \$ 150,000

2024 Construction 2-C-016-21 (SMP Eligible) Total \$ 5,651,339

Note:

All Unit Prices based on 2024 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. Estimate does not include City staff or overhead time.

