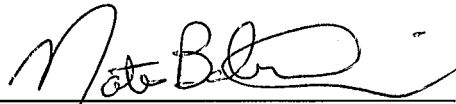


AFFIDAVIT OF ESTIMATE OF COST

STATE OF KANSAS)
) ss.
COUNTY OF JOHNSON)

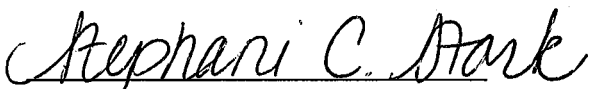
Nate Baldwin, P.E., of lawful age, being first duly sworn upon his oath,
states:

1. I am the City Engineer for the City of Olathe, Kansas.
2. The attached detailed estimate of the cost for 119th Street, Woodland to Northgate, Improvement Project 3-C-024-21, 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 29th
day of October, 2024.



Notary Public

My Appointment Expires
August 19, 2028





119th Street, Woodland to Northgate
Roadway, Bridge, and Intersection Improvements
Final Engineer's Construct Cost Estimate: 10-7-2024
City of Olathe Project No. 3-C-024-21

Bid Item No.	Item Description	Unit	Unit Price	Qty	Extension
Roadway Items					
1	Mobilization	LSUM	\$2,791,000.00	1	\$2,791,000.00
2	Contractor Construction Staking	LSUM	\$375,000.00	1	\$375,000.00
3	Removals	LSUM	\$225,000.00	1	\$225,000.00
4	Clearing & Grubbing	LSUM	\$100,000.00	1	\$100,000.00
5	Unclassified Excavation	CY	\$18.00	23,573	\$424,314.00
6	Rock Excavation	CY	\$30.00	38,267	\$1,148,010.00
7	Embankment (Contractor Furnished)	CY	\$15.00	48,868	\$733,020.00
8	Compaction of Earthwork (All Types)	CY	\$4.00	105,993	\$423,972.00
9	2" Milling	SY	\$3.00	25,892	\$77,676.00
10	6" Depth Asphalt Crack Repair	SY	\$120.00	1,174	\$140,880.00
11	4" Depth Asphalt Base Repair	SY	\$120.00	580	\$69,600.00
12	2" Asphaltic Surface (Superpave)	TON	\$120.00	5,697	\$683,640.00
13	Var. Depth Asphaltic Surface (Superpave)	TON	\$120.00	2,506	\$300,720.00
14	6" Asphaltic Base (BM-2B or BM-2BFR)	TON	\$120.00	100	\$12,000.00
15	8" Asphaltic Base (BM-2B or BM-2BFR)	TON	\$120.00	1,905	\$228,600.00
16	10" Asphaltic Base (Superpave)	TON	\$120.00	26,903	\$3,228,360.00
17	Concrete Base Widening (10")	SY	\$60.00	1,880	\$112,800.00
18	6" Aggregate Base Course (AB-3)	SY	\$13.00	59,400	\$772,200.00
19	9" Compacted Subgrade	CY	\$4.00	14,053	\$56,212.00
20	Install 4" Concrete Sidewalk	SF	\$6.00	65,352	\$392,112.00
21	6" Concrete Trail	SF	\$8.00	4,869	\$38,952.00
22	Install Curb Type A	LF	\$25.00	622	\$15,550.00
23	Install Curb Type B	LF	\$28.00	15,747	\$440,916.00
24	Install Curb Type E	LF	\$25.00	8,826	\$220,650.00
25	Install Curb Type E Special	LF	\$27.00	842	\$22,734.00
26	Install Curb Type D (Doweled)	LF	\$25.00	1,614	\$40,350.00
27	Install Type 1 ADA Ramp	EA	\$2,500.00	48	\$120,000.00
28	Install Concrete Driveway	SY	\$100.00	1,106	\$110,600.00
29	Install Concrete Median Nose	EA	\$1,500.00	15	\$22,500.00
30	Brick Pavers (Clay-Fired)	SF	\$25.00	26,408	\$660,200.00
31	9" KCMMB 4K Concrete Base	SY	\$60.00	2,934	\$176,040.00
32	Install 4'x4' Manhole	EA	\$6,500.00	5	\$32,500.00
33	Install 4' Dia. Manhole	EA	\$6,500.00	1	\$6,500.00
34	Install 5' Dia. Manhole	EA	\$6,750.00	2	\$13,500.00
35	Install 5'x4.5' Special Inlet with Throat	EA	\$7,000.00	1	\$7,000.00
36	Install 6'x4' Area Inlet with Throat	EA	\$6,500.00	1	\$6,500.00
37	Install 6'x6' Area Inlet with Throat	EA	\$7,000.00	1	\$7,000.00
38	Install 2'x3' Grate Inlet	EA	\$6,000.00	3	\$18,000.00
39	Install 4'x4' Area Inlet	EA	\$6,000.00	2	\$12,000.00
40	Install 5'x4' Curb Inlet	EA	\$6,000.00	1	\$6,000.00
41	Install 7'x3' Curb Inlet	EA	\$6,000.00	31	\$186,000.00
42	Install 7'x3.5' Curb Inlet	EA	\$6,250.00	17	\$106,250.00
43	Install 7'x4' Curb Inlet	EA	\$6,500.00	4	\$26,000.00
44	Install 7'x4.5' Curb Inlet	EA	\$6,750.00	2	\$13,500.00
45	Install 7'x7' Special Curb Inlet	EA	\$7,500.00	4	\$30,000.00
46	Install 8'x3' Curb Inlet	EA	\$7,500.00	2	\$15,000.00
47	Install 8'x8' Curb Inlet	EA	\$9,000.00	1	\$9,000.00
48	Install 9'x3.5' Curb Inlet	EA	\$7,500.00	1	\$7,500.00
49	Install 10'x4' Curb Inlet	EA	\$8,000.00	11	\$88,000.00
50	Install 18" RCP End Section	EA	\$1,250.00	2	\$2,500.00
51	Install 24" RCP End Section	EA	\$1,500.00	4	\$6,000.00
52	Install 30" RCP End Section	EA	\$2,500.00	1	\$2,500.00
53	Install 60" RCP End Section	EA	\$4,000.00	1	\$4,000.00
54	Install Concrete Flume	EA	\$2,500.00	2	\$5,000.00
55	Install 15" RCP	LF	\$110.00	615	\$67,650.00
56	Install 18" RCP	LF	\$115.00	4,239	\$487,485.00
57	Install 24" RCP	LF	\$120.00	1,287	\$154,440.00
58	Install 30" RCP	LF	\$130.00	490	\$63,700.00
59	Install 36" RCP	LF	\$135.00	136	\$18,360.00
60	Install 60" RCP	LF	\$260.00	8	\$2,080.00
61	Install 12" HDPE	LF	\$75.00	68	\$5,100.00
62	Install Pipe Collar	EA	\$1,500.00	12	\$18,000.00
63	Slope Protection (Riprap Stone) (100 lb)	CY	\$85.00	70	\$5,950.00
64	Slope Protection (Riprap Stone) (200 lb)	CY	\$110.00	59	\$6,490.00
65	Geotextile Fabric	SY	\$7.00	233	\$1,631.00
66	Pipe Underdrain (6") PVC	LF	\$25.00	5,636	\$140,900.00
67	Guardrail, Steel Plate (MGS)	LF	\$55.00	175	\$9,625.00
68	Guardrail, Bridge Transition	EA	\$3,500.00	2	\$7,000.00
69	Guardrail, End Terminal (MASH)	EA	\$4,250.00	2	\$8,500.00
70	Concrete Safety Barrier	LF	\$175.00	216	\$37,800.00
71	Concrete Safety Barrier Transition	LF	\$175.00	133	\$23,275.00
72	Fence (Chain Link)	LF	\$65.00	274	\$17,810.00
73	Concrete Pavement (12" Uniform)(AE)(Br. App.)	SY	\$350.00	682	\$238,700.00
74	Concrete Pavement (12" Uniform)(AE)(NRDJ)	SY	\$80.00	67	\$5,360.00
75	Bridge Approach Slab Footing	CY	\$500.00	61	\$30,500.00
76	Class I Excavation (No. 113)	CY	\$55.00	275	\$15,125.00
77	Class II Excavation (No. 113)	CY	\$60.00	9	\$540.00



**119th Street, Woodland to Northgate
Roadway, Bridge, and Intersection Improvements
Final Engineer's Construct Cost Estimate: 10-7-2024
City of Olathe Project No. 3-C-024-21**

Bid Item No.	Item Description	Unit	Unit Price	Qty	Extension
78	Concrete (Grade 4.0)(AE)(SA)(MPC) (No. 113)	CY	\$1,300.00	1,411	\$1,834,300.00
79	Concrete (Grade 4.0)(AE) (No. 113)	CY	\$1,000.00	660	\$660,000.00
80	Reinforcing Steel (Grade 60)(Epoxy Coated) (No. 113)	LBS	\$2.00	413,560	\$827,120.00
81	Reinforcing Steel (Grade 60) (No. 113)	LBS	\$1.90	99,690	\$189,411.00
82	Piles (Steel)(HP14x89) (No. 113)	LF	\$120.00	456	\$54,720.00
83	Cased Pile (No. 113)	LF	\$200.00	259	\$51,800.00
84	Pre-Drilled Pile Holes (No. 113)	LF	\$150.00	294	\$44,100.00
85	Cast Steel Pile Points (No. 113)	EA	\$175.00	5	\$875.00
86	Drilled Shaft (60")(Cased) (No. 113)	LF	\$1,500.00	354	\$531,000.00
87	Drilled Shaft (72")(Cased) (No. 113)	LF	\$2,200.00	176	\$387,200.00
88	Core Hole (Investigative) (No. 113)	LF	\$150.00	219	\$32,850.00
89	Sonic Test (Drilled Shaft)(Set Price) (No. 113)	EA	\$1,800.00	1	\$1,800.00
90	Prestressed Concrete Beam (NU63) (No. 113)	LF	\$410.00	2,913	\$1,194,330.00
91	Prestressed Concrete Beam (NU70) (No. 113)	LF	\$430.00	516	\$221,880.00
92	Bearing (Steel Reinforced Elastomeric) (No. 113)	EA	\$3,400.00	16	\$54,400.00
93	Bridge Handrail (Metal)(Special) (No. 113)	LF	\$325.00	896	\$291,200.00
94	Bridge Handrail (Metal)(Ped) (No. 113)	LF	\$425.00	902	\$383,350.00
95	Bridge Handrail (RR) (No. 113)	LF	\$375.00	316	\$118,500.00
96	Abutment Aggregate Drain (No. 113)	CY	\$200.00	72	\$14,400.00
97	Bridge Backwall Protection System (No. 113)	SY	\$75.00	93	\$6,975.00
98	Substructure Waterproofing Membrane (No. 113)	SY	\$85.00	108	\$9,180.00
99	Bridge Drainage System (No. 113)	LSUM	\$20,000.00	1	\$20,000.00
100	Bridge Deck Grooving (No. 113)	SY	\$7.00	2,173	\$15,211.00
101	Electric Conduit (2.0")(Non-Metallic) (No. 113)	LF	\$35.00	823	\$28,805.00
102	Slope Drain (Stone) (No. 113)	LF	\$75.00	179	\$13,425.00
103	Slope Protection (Aggregate) (No. 113)	CY	\$120.00	339	\$40,680.00
104	Slope Protection (Riprap Stone) (No. 113)	CY	\$110.00	1,021	\$112,310.00
105	Bedding for Slope Protection (No. 113)	CY	\$110.00	444	\$48,840.00
106	Expansion Device (Sliding Plate) (No. 113)	LF	\$3,200.00	33	\$105,600.00
107	Simulated Stone Masonry Stain (No. 113)	SY	\$40.00	452	\$18,080.00
108	Concrete Masonry Coating (No. 113)	SY	\$40.00	508	\$20,320.00
109	Class I Excavation (No. 114)	CY	\$55.00	320	\$17,600.00
110	Class II Excavation (No. 114)	CY	\$60.00	11	\$660.00
111	Concrete (Grade 4.0)(AE)(SA)(MPC) (No. 114)	CY	\$1,300.00	1,657	\$2,154,100.00
112	Concrete (Grade 4.0)(AE) (No. 114)	CY	\$1,000.00	763	\$763,000.00
113	Reinforcing Steel (Grade 60)(Epoxy Coated) (No. 114)	LBS	\$2.00	507,650	\$1,015,300.00
114	Reinforcing Steel (Grade 60) (No. 114)	LBS	\$1.90	112,230	\$213,237.00
115	Piles (Steel)(HP14x89) (No. 114)	LF	\$120.00	540	\$64,800.00
116	Cased Pile (No. 114)	LF	\$200.00	324	\$64,800.00
117	Pre-Drilled Pile Holes (No. 114)	LF	\$150.00	306	\$45,900.00
118	Cast Steel Pile Points (No. 114)	EA	\$175.00	8	\$1,400.00
119	Drilled Shaft (60")(Cased) (No. 114)	LF	\$1,500.00	426	\$639,000.00
120	Drilled Shaft (72")(Cased) (No. 114)	LF	\$2,200.00	179	\$393,800.00
121	Core Hole (Investigative) (No. 114)	LF	\$150.00	228	\$34,200.00
122	Sonic Test (Drilled Shaft)(Set Price) (No. 114)	EA	\$1,800.00	1	\$1,800.00
123	Prestressed Concrete Beam (NU63) (No. 114)	LF	\$410.00	2,101	\$861,410.00
124	Prestressed Concrete Beam (NU70) (No. 114)	LF	\$430.00	2,087	\$897,410.00
125	Bearing (Steel Reinforced Elastomeric) (No. 114)	EA	\$3,400.00	20	\$68,000.00
126	Bridge Handrail (Metal)(Special) (No. 114)	LF	\$325.00	870	\$282,750.00
127	Bridge Handrail (Metal)(Ped) (No. 114)	LF	\$425.00	868	\$368,900.00
128	Bridge Handrail (RR) (No. 114)	LF	\$375.00	316	\$118,500.00
129	Abutment Aggregate Drain (No. 114)	CY	\$200.00	93	\$18,600.00
130	Bridge Backwall Protection System (No. 114)	SY	\$75.00	117	\$8,775.00
131	Substructure Waterproofing Membrane (No. 114)	SY	\$85.00	109	\$9,265.00
132	Bridge Drainage System (No. 114)	LSUM	\$20,000.00	1	\$20,000.00
133	Bridge Deck Grooving (No. 114)	SY	\$7.00	2,453	\$17,171.00
134	Electric Conduit (2.0")(Non-Metallic) (No. 114)	LF	\$35.00	1,667	\$58,345.00
135	Electric Conduit (3.0")(Non-Metallic) (No. 114)	LF	\$37.00	844	\$31,228.00
136	Slope Drain (Stone) (No. 114)	LF	\$75.00	202	\$15,150.00
137	Slope Protection (Aggregate) (No. 114)	CY	\$120.00	394	\$47,280.00
138	Slope Protection (Riprap Stone) (No. 114)	CY	\$110.00	1,098	\$120,780.00
139	Bedding for Slope Protection (No. 114)	CY	\$110.00	458	\$50,380.00
140	Expansion Device (Sliding Plate) (No. 114)	LF	\$3,200.00	38	\$121,600.00
141	Simulated Stone Masonry Stain (No. 114)	SY	\$40.00	445	\$17,800.00
142	Concrete Masonry Coating (No. 114)	SY	\$40.00	497	\$19,880.00
143	Integral Sidewalk Retaining Wall (ISRW) w/ Form Liner (Wall No. 1)	LF	\$225.00	81	\$18,225.00
144	Cast-in-Place Retaining Wall (Wall No. 2)	SF	\$325.00	368	\$119,600.00
145	Handrail (Metal) (3'-6") (Wall No. 2)	LF	\$140.00	100	\$14,000.00
146	Cast-in-Place Retaining Wall (Wall No. 3)	SF	\$420.00	1,586	\$666,120.00
147	Handrail (Metal) (3'-6") (Wall No. 3)	LF	\$140.00	200	\$28,000.00
148	Integral Sidewalk Retaining Wall (ISRW) w/ Form Liner (Wall No. 4)	LF	\$225.00	70	\$15,750.00
149	Modified Integral Sidewalk Retaining Wall (ISRW) w/ Form Liner (Wall No. 5)	SF	\$200.00	2,050	\$410,000.00
150	Handrail (Metal) (3'-6") (Wall No. 5)	LF	\$140.00	545	\$76,300.00
151	Modified Integral Sidewalk Retaining Wall (ISRW) w/ Form Liner (Wall No. 6)	SF	\$200.00	1,730	\$346,000.00
152	Handrail (Metal) (3'-6") (Wall No. 6)	LF	\$140.00	239	\$33,460.00
153	Cast-in-Place Retaining Wall (Wall No. 7)	SF	\$275.00	35	\$9,625.00
154	Retaining Wall (MSEW) - MSE Wall at East Bridge Abutments	SF	\$127.00	3,170	\$402,590.00
155	Anti-Graffiti Coating (MSE Wall at East Bridge Abutments)	SY	\$55.00	265	\$14,575.00



119th Street, Woodland to Northgate
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Bid Item No.	Item Description	Unit	Unit Price	Qty	Extension
156	Pavement Marking 4" Broken White (HPS-8)	LF	\$2.65	1,981	\$5,249.65
157	Pavement Marking 4" Dotted White (HPS-8)	LF	\$2.65	265	\$702.25
158	Pavement Marking 6" Solid White Line (HPS-8)	LF	\$3.00	12,428	\$37,284.00
159	Pavement Marking 6" Dotted White Extension Line (HPS-8)	LF	\$3.00	241	\$723.00
160	Pavement Marking 12" Solid Yellow Diagonal Line (PREFORMED THERMO-PLASTIC)	LF	\$14.00	490	\$6,860.00
161	Pavement Marking 12" Solid White Diagonal Line (PREFORMED THERMO-PLASTIC)	LF	\$14.00	67	\$938.00
162	Pavement Marking 12" Solid White Chevron Line (PREFORMED THERMO-PLASTIC)	LF	\$14.00	8	\$112.00
163	Pavement Marking 6" White Crosswalk Line (PREFORMED THERMO-PLASTIC)	LF	\$4.50	1,823	\$8,203.50
164	Pavement Marking 12" White Crosswalk Line (PREFORMED THERMO-PLASTIC)	LF	\$14.00	1,548	\$21,672.00
165	Pavement Marking 24" Solid White Stop Line (PREFORMED THERMO-PLASTIC)	LF	\$24.00	512	\$12,288.00
166	Pavement Marking 4" Solid Yellow Double Line (HPS-8)	LF	\$2.65	19,696	\$52,194.40
167	Pavement Marking 24" Yield Triangle (HPS-8)	EA	\$65.00	38	\$2,470.00
168	Pavement Marking Left Turn Arrows (PREFORMED THERMO-PLASTIC)	EA	\$350.00	54	\$18,900.00
169	Pavement Marking Right Turn Arrows (PREFORMED THERMO-PLASTIC)	EA	\$350.00	56	\$19,600.00
170	Pavement Marking Through Arrows (PREFORMED THERMO-PLASTIC)	EA	\$350.00	7	\$2,450.00
171	Pavement Marking Bike Lane Symbol (PREFORMED THERMO-PLASTIC)	EA	\$400.00	7	\$2,800.00
172	Pavement Marking Bike Lane White Arrow (PREFORMED THERMO-PLASTIC)	EA	\$300.00	7	\$2,100.00
173	Pavement Marking Lane Use Arrows (PREFORMED THERMO-PLASTIC)	EA	\$350.00	4	\$1,400.00
174	Permanent Street Signing	LSUM	\$200,000.00	1	\$200,000.00
175	Traffic Signalized Intersection	EA	\$450,000.00	3	\$1,350,000.00
176	Rectangular Rapid Flashing Beacons	LSUM	\$115,000.00	1	\$115,000.00
177	Street Lighting	LSUM	\$1,065,000.00	1	\$1,065,000.00
178	Fiber Optic Interconnect	LSUM	\$530,000.00	1	\$530,000.00
179	Temporary Traffic Control	LSUM	\$400,000.00	1	\$400,000.00
180	Temporary Erosion Control	LSUM	\$200,000.00	1	\$200,000.00
181	BNSF RR Flagging	LSUM	\$300,000.00	1	\$300,000.00
182	Field Office and Laboratory (Type A)	EA	\$5,500.00	1	\$5,500.00
183	Shade Tree, 2" Caliper	EA	\$700.00	56	\$39,200.00
184	Ornamental Tree, 1.5" Caliper	EA	\$650.00	60	\$39,000.00
185	Evergreen Tree, 6-7' Tall	EA	\$600.00	32	\$19,200.00
186	Shrub, 5 Gallon Cont.	EA	\$80.00	177	\$14,160.00
187	Ornamental Grass/Perennial, 1 Gallon Cont.	EA	\$35.00	775	\$27,125.00
188	Planting Soil Mix	CY	\$40.00	196	\$7,840.00
189	Brookridge Limestone Slab	EA	\$1,000.00	28	\$28,000.00
190	Tall Fescue Sod	SF	\$1.25	318,436	\$398,045.00
191	Shredded Hardwood Mulch	CY	\$45.00	98	\$4,410.00
192	Median Irrigation System	LSUM	\$120,000.00	1	\$120,000.00
193	Flowable Fill (Low Strength)	CY	\$200.00	30	\$6,000.00
194	30-Inch DIP (Water Main - Class 200)	LF	\$500.00	750	\$375,000.00
195	30-Inch DIP (Water Main - Class 300)	LF	\$550.00	20	\$11,000.00
196	Polywrap 30-Inch DIP (Water Main)	LF	\$5.00	770	\$3,850.00
197	Install 30-Inch Butterfly Valve *	EA	\$3,000.00	2	\$6,000.00
198	Install 12-Inch Gate Valve *	EA	\$3,000.00	1	\$3,000.00
199	Install Straddle Block	EA	\$22,000.00	2	\$44,000.00
200	Install Fittings (30-Inch Sleeves, Bends, etc.)	EA	\$8,000.00	5	\$40,000.00
201	Install 30-Inch x 30-Inch x 12-Inch Tapping Sleeve	EA	\$12,000.00	1	\$12,000.00
202	Temporary Flushing Assembly	EA	\$5,000.00	2	\$10,000.00
203	Connection to Existing Pipe (30-Inch Water Main)	EA	\$7,500.00	2	\$15,000.00
204	Install 30-Inch Line Stop	EA	\$50,000.00	1	\$50,000.00
205	Plug/Fill Existing Water Main with Flowable Fill	CY	\$200.00	145	\$29,000.00
206	Install Air Relief Valve	EA	\$20,000.00	1	\$20,000.00
207	As-Built Plans	LSUM	\$200,000.00	1	\$200,000.00
208	Stamped, Colored Concrete	SF	\$50.00	88	\$4,400.00
209	6" Concrete Pads for Public Art	SF	\$8.00	4,356	\$34,848.00
210	Concrete Ditch Lining	SY	\$100.00	345	\$34,500.00
	Sub-Total				\$40,146,631.80
211	Owner's Contingency	LSUM	\$1,475,000.00	1	\$1,475,000.00
	Total Construction Cost (2024)				\$41,621,631.80

* Material to be provided by the City of Olathe

Note: All Unit Prices are based on 2024 values. The costs shown on this estimate represent an estimate of probable costs prepared in good faith and with reasonable care. HDR has no control over the costs of construction labor, materials, or equipment, not over competitive bidding or negotiation methods and does not make any commitment or assume any duty to assure that bids or negotiated prices will not vary from the estimate. This estimate does not include costs for right-of-way, utility relocation, and engineering administration

