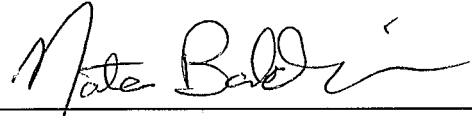


## AFFIDAVIT OF ESTIMATE OF COST

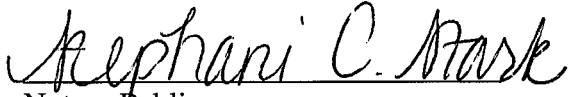
STATE OF KANSAS     )  
                                  ) ss.  
COUNTY OF JOHNSON)

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

1. I am the City Engineer for the City of Olathe, Kansas.
2. The attached detailed estimate of the cost for the **Black Bob Road, 159th to 167th, Improvements Project, PN 3-C-008-22** 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 27<sup>th</sup>  
day of January, 2025.

  
\_\_\_\_\_  
Notary Public

My Appointment Expires

August 19, 2028





## ENGINEER'S ESTIMATE

**Client:** City of Olathe  
**Project:** Black Bob Road (159th to 167th)  
**Project Number:** 021-07612  
**Date:** 01.14.2025

	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	COST	KDOT NON - PARTICIPATING
1	Mobilization	1	Lump Sum	\$375,000.00	\$375,000.00	
2	DBE Mobilization	1	Lump Sum	\$30,000.00	\$30,000.00	
3	Constuction Staking	1	Lump Sum	\$125,000.00	\$125,000.00	
4	Clearing & Grubbing	1	Lump Sum	\$125,000.00	\$125,000.00	
5	Tree Removal	1	Lump Sum	\$187,000.00	\$187,000.00	
6	Remove Existing Asphalt Pavement	22,445	Sq Yd	\$8.00	\$179,560.00	
7	Remove Existing Concrete Pavement	696	Sq Yd	\$12.00	\$8,352.00	
8	Remove Existing Concrete Curb & Gutter	2,617	Lin Ft	\$7.00	\$18,319.00	
9	Remove Existing Concrete Sidewalk	990	Lin Ft	\$7.50	\$7,425.00	
10	Remove Existing Drainage Structures	1	Lump Sum	\$105,000.00	\$105,000.00	
11	Remove and Reconstruct Stone Columns and Relocate Wrought Iron Fence	1	Lump Sum	\$14,000.00	\$14,000.00	
12	Adjust Existing Sanitary Sewer Manhole	2	Each	\$1,600.00	\$3,200.00	
13	Modification of Existing Sanitary Sewer Manhole Structure	3	Each	\$3,200.00	\$9,600.00	
14	Unclassified Excavation	35,987	Cu Yd	\$16.00	\$575,792.00	
15	Compaction of Earthwork (All Types)	42,571	Cu Yd	\$6.00	\$255,426.00	
16	Embankment (Contractor Furnished)	16,482	Cu Yd	\$24.00	\$395,568.00	
17	Install 2" Asphaltic Concrete Surface (Modified Superpave)	5,250	Ton	\$95.00	\$498,750.00	
18	Install 10" Asphaltic Concrete Base (Modified Superpave)	28,171	Ton	\$90.00	\$2,535,390.00	
19	Install 6" Asphaltic Concrete Base (Modified Superpave)	897	Ton	\$90.00	\$80,730.00	
20	Install 6" Aggregate Base Course (Modified AB-3)	59,616	Sq Yd	\$9.00	\$536,544.00	
21	Install Type "A" Concrete Curb & Gutter	165	Lin Ft	\$25.00	\$4,125.00	
22	Install Type "B" Concrete Curb & Gutter	11,153	Lin Ft	\$23.00	\$256,519.00	
23	Install Type "E" Concrete Curb & Gutter	9,922	Lin Ft	\$21.00	\$208,362.00	
24	Install Type "B" Concrete Curb & Gutter (Special)	755	Lin Ft	\$30.00	\$22,650.00	
25	Install Concrete Median Nose	9	Each	\$1,750.00	\$15,750.00	
26	Install Brick Median Pavers	6,971	Sq Ft	\$25.00	\$174,275.00	
27	Install Brick Pavers (Truck Apron)	5,755	Sq Ft	\$40.00	\$230,200.00	
28	Install Paver Bricks (Splitter Islands)	4,921	Sq Ft	\$35.00	\$172,235.00	
29	Install 4" Concrete Sidewalk	63,483	Sq Ft	\$5.00	\$317,415.00	
30	Install 6" AB-3 (Heritage Park Trail)	954	Sq Yd	\$30.00	\$28,620.00	
31	Install Type I Sidewalk Ramp	8	Each	\$1,500.00	\$12,000.00	
32	Install Type II Sidewalk Ramp	3	Each	\$1,700.00	\$5,100.00	
33	Install Mid-Block Sidewalk Ramp	8	Each	\$1,500.00	\$12,000.00	
34	Install Sidewalk with Abutting Retaining Wall	383	Cu Yd	\$1,400.00	\$536,200.00	
35	Install 6" Residential Concrete Driveway	1,331	Sq Yd	\$78.00	\$103,818.00	
36	Install 7" Commercial Concrete Driveway	197	Sq Yd	\$88.00	\$17,336.00	
37	Install 6" BM-2B Asphalt Driveway	210	Ton	\$90.00	\$18,900.00	
38	Install 6" AB-3 Aggregate Driveway	125	Sq Yd	\$25.00	\$3,125.00	
39	Install 6" Underdrain	7,704	Lin Ft	\$32.00	\$246,528.00	
40	Install 4'x4' Area Inlet	2	Each	\$6,200.00	\$12,400.00	
41	Install 5'x4' Area Inlet	1	Each	\$7,700.00	\$7,700.00	
42	Install 4'x4' Curb Inlet	5	Each	\$6,100.00	\$30,500.00	
43	Install 4'x5' Curb Inlet	3	Each	\$6,300.00	\$18,900.00	
44	Install 6'x4' Curb Inlet	12	Each	\$7,200.00	\$86,400.00	
45	Install 6'x5' Curb Inlet	1	Each	\$7,400.00	\$7,400.00	
46	Install 8'x4' Curb Inlet	14	Each	\$8,000.00	\$112,000.00	
47	Install 6'x6' Curb Inlet	2	Each	\$8,500.00	\$17,000.00	
48	Install 6'x4' Curb Inlet (Non-Setback)	2	Each	\$7,500.00	\$15,000.00	
49	Install 8'x4' Curb Inlet (Non-Setback)	3	Each	\$8,000.00	\$24,000.00	
50	Install 4.58' x 2.75' Curb Inlet (Special)	1	Each	\$6,000.00	\$6,000.00	
51	Install 4'x4' Junction Box	1	Each	\$6,400.00	\$6,400.00	
52	Install Concrete Collar (48")	1	Each	\$1,800.00	\$1,800.00	
53	Install 24" End Section (RC)	3	Each	\$2,200.00	\$6,600.00	
54	Install 48" End Section (RC)	1	Each	\$4,800.00	\$4,800.00	
55	Install 54" End Section (RC)	3	Each	\$5,500.00	\$16,500.00	
56	Install 15" RCP (Class III)	2,405	Lin Ft	\$107.00	\$257,335.00	
57	Install 18" RCP (Class III)	1,739	Lin Ft	\$116.00	\$201,724.00	
58	Install 24" RCP (Class III)	895	Lin Ft	\$125.00	\$111,875.00	
59	Install 48" RCP (Class III)	168	Lin Ft	\$300.00	\$50,400.00	
60	Install 54" RCP (Class III)	304	Lin Ft	\$350.00	\$106,400.00	
61	Construct Concrete Flume	3	Each	\$1,000.00	\$3,000.00	
62	KCMMB 4k Concrete (Cast-in-Place RCB)	320	Cu Yd	\$1,850.00	\$592,000.00	
63	Foundation Stabilization	78	Cu Yd	\$75.00	\$5,850.00	
64	Concrete for Seal Course	34	Cu Yd	\$225.00	\$7,650.00	
65	Handrail	582	Lin Ft	\$320.00	\$186,240.00	
66	Stone Rip-Rap Slope Protection (KDOT 100 Lb. )	14	Sq Yd	\$82.00	\$1,148.00	
67	Stone Rip-Rap Slope Protection (KDOT 200 Lb.)	239	Sq Yd	\$92.00	\$21,988.00	



## ENGINEER'S ESTIMATE

**Client:** City of Olathe  
**Project:** Black Bob Road (159th to 167th)  
**Project Number:** 021-07612  
**Date:** 01.14.2025

	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	COST	KDOT NON - PARTICIPATING
68	Stone Rip-Rap Slope Protection (KDOT 1/2 Ton)	518	Sq Yd	\$200.00	\$103,600.00	
69	Water Line Mobilization and Demobilization *	1	Lump Sum	\$100,000.00	\$100,000.00	\$100,000.00
70	12-inch PVC Distribution Main (Open-Cut) *	6,109	Lin Ft	\$199.00	\$1,215,691.00	\$1,215,691.00
71	BOL Connection to Existing 8-inch PVC - South of W 167th Ter. (Line A) *	1	Lump Sum	\$9,000.00	\$9,000.00	\$9,000.00
72	Connection to Existing 6-inch PVC - W 167th Ter. (Line A) *	1	Lump Sum	\$6,600.00	\$6,600.00	\$6,600.00
73	EOL Connection to Existing 12-inch PVC - W 167th St. (Line A) *	1	Lump Sum	\$8,500.00	\$8,500.00	\$8,500.00
74	BOL Connection to Existing 12-inch PVC - North of W 167th St. (Line B) *	1	Lump Sum	\$8,800.00	\$8,800.00	\$8,800.00
75	Connection to Existing 6-inch DIP - Marais Dr. (Line B) *	1	Lump Sum	\$6,400.00	\$6,400.00	\$6,400.00
76	Connection to Existing 8-inch DIP - W 165th St. (Line B) *	1	Lump Sum	\$7,500.00	\$7,500.00	\$7,500.00
77	EOL Connection to Existing 12-inch GV - W 159th St. (Line B) *	1	Lump Sum	\$8,500.00	\$8,500.00	\$8,500.00
78	12-inch Gate Valve *	7	Each	\$4,500.00	\$31,500.00	\$31,500.00
79	8-inch Gate Valve *	1	Each	\$3,000.00	\$3,000.00	\$3,000.00
80	6-inch Gate Valve *	2	Each	\$2,200.00	\$4,400.00	\$4,400.00
81	Fire Hydrant Installation *	5	Each	\$6,800.00	\$34,000.00	\$34,000.00
82	Standard Service Line Changeover *	2	Each	\$2,500.00	\$5,000.00	\$5,000.00
83	Service Line Changeover w/ New Road Crossing *	1	Each	\$3,500.00	\$3,500.00	\$3,500.00
84	Service Line Changeover w/ New Road Crossing AND New Meter Pit *	2	Each	\$4,000.00	\$8,000.00	\$8,000.00
85	Service Line Changeover w/ New Meter Pit *	9	Each	\$2,941.00	\$26,469.00	\$26,469.00
86	6" Fire Line Reconnection (16000 S Black Bob Rd.)*	1	Each	\$7,800.00	\$7,800.00	\$7,800.00
87	Utility Conflict - 12-inch PVC w/ 4 - 45 Degree Bends & Additional Restrained Pipe *	4	Each	\$7,010.00	\$28,040.00	\$28,040.00
88	Utility Conflict - 8-inch PVC w/ 4 - 45 Degree Bends & Additional Restrained Pipe *	1	Each	\$6,000.00	\$6,000.00	\$6,000.00
89	Utility Conflict - 6-inch PVC w/ 4 - 45 Degree Bends & Additional Restrained Pipe *	1	Each	\$5,100.00	\$5,100.00	\$5,100.00
90	Pressure Testing and Disinfection *	1	Lump Sum	\$12,000.00	\$12,000.00	\$12,000.00
91	Waterline Cash Allowance (Set Price of \$25,000)*	1	Lump Sum	\$25,000.00	\$25,000.00	\$25,000.00
92	Underground Infrastructure for Pedestrian Hybrid Beacon (Heritage Park Ent. & Black Bob)	1	Lump Sum	\$47,300.00	\$47,300.00	
93	Street Lighting	1	Lump Sum	\$315,000.00	\$315,000.00	
94	Fiber Optic Interconnect	1	Lump Sum	\$141,000.00	\$141,000.00	
95	4" Yellow HPS-8	2,040	Lin Ft	\$1.50	\$3,060.00	
96	6" White HPS-8	14,335	Lin Ft	\$2.00	\$28,670.00	
97	6" White PTP	1,305	Lin Ft	\$6.00	\$7,830.00	
98	12" Yellow PTP	24	Lin Ft	\$12.00	\$288.00	
99	Yield Line - White Thermoplastic	26	Each	\$50.00	\$1,300.00	
100	24" Stop Bar - White Thermoplastic	84	Lin Ft	\$24.00	\$2,016.00	
101	Turn Arrow - White Thermoplastic	48	Each	\$350.00	\$16,800.00	
102	Bicycle Rider and Arrow - White Thermoplastic	22	Each	\$500.00	\$11,000.00	
103	Remove Existing Street Sign	10	Each	\$150.00	\$1,500.00	
104	Permanent Street Signing (1 Sign)	25	Each	\$500.00	\$12,500.00	
105	Permanent Street Signing (2 Signs)	14	Each	\$700.00	\$9,800.00	
106	Permanent Street Signing (3 Signs)	1	Each	\$900.00	\$900.00	
107	Permanent Street Signing - Reuse Existing Sign	10	Each	\$350.00	\$3,500.00	
108	Rectangular Rapid Flashing Beacon (RRFB)	8	Each	\$7,500.00	\$60,000.00	
109	Traffic Control	1	Lump Sum	\$70,000.00	\$70,000.00	
110	Sodding	46,089	Sq Yd	\$5.50	\$253,489.50	
111	Install Silt Fence	13,966	Lin Ft	\$1.75	\$24,440.50	
112	Install Temporary Inlet Sediment Barrier (Curb Inlet)	36	Each	\$125.00	\$4,500.00	
113	Install Temporary Inlet Sediment Barrier (Area Inlet)	3	Each	\$170.00	\$510.00	
114	Install Temporary Ditch Check	17	Each	\$250.00	\$4,250.00	
115	Landscaping - Evergreen Trees (8'-0" ht.)	24	Each	\$650.00	\$15,600.00	
116	Landscaping - Ornamental Trees (2" cal.)	3	Each	\$550.00	\$1,650.00	
117	Landscaping - Ornamental Trees (2.5" cal.)	18	Each	\$550.00	\$9,900.00	
118	Landscaping - Overstory Trees (2.5" cal.)	5	Each	\$550.00	\$2,750.00	
119	Landscaping - Landscape Bed - Shrubs	27	Each	\$50.00	\$1,350.00	
120	Landscaping - Landscape Bed - Perennials & Ground Covers	76	Each	\$10.00	\$760.00	
121	Landscaping - Landscape Bed - Annuals	66	Each	\$5.00	\$330.00	
122	Landscaping - Soil (Turf Sod)	138	Cu Yd	\$100.00	\$13,800.00	
123	Landscaping - Soil (Planting Bed)	52	Cu Yd	\$100.00	\$5,200.00	
124	Landscaping - Sod (Turf Grass)	830	Sq Yd	\$13.50	\$11,205.00	
125	Landscaping - Mulch - Double-Ground Hardwood (Tree Rings 3" Depth)	2	Cu Yd	\$85.00	\$170.00	
126	Landscaping - Mulch - 2" Buffalo River Rock Mulch (6" Depth)	26	Cu Yd	\$200.00	\$5,200.00	
127	Landscaping - Landscape Bed Edge - Metal	90	Lin Ft	\$4.00	\$360.00	
128	Landscaping - Limestone Blocks - Approx. 18" H x 24" W x 36" L	23	Each	\$360.00	\$8,280.00	
129	Landscaping - Aggregate - Limestone Slab Setting Bed (6" Depth)	2.0	Ton	\$135.00	\$270.00	
130	Landscaping - Irrigation System - Permanent Roundabout (Rain Bird)	1	Lump Sum	\$15,000.00	\$15,000.00	
131	Landscaping - Irrigation Stonegate Subdivision (South of Marais)*	1	Lump Sum	\$54,000.00	\$54,000.00	
132	Landscaping - Irrigation Stonegate Subdivision (North of Marais)*	1	Lump Sum	\$31,300.00	\$31,300.00	
133	Remove Existing Barbed Wire Fence	1,734	Lin Ft	\$4.00	\$6,936.00	
134	Remove Existing Woven Wire Fence	3,109	Lin Ft	\$4.00	\$12,436.00	
135	Install Fence (Temporary Chain Link - 72")	130	Lin Ft	\$50.00	\$6,500.00	



## ENGINEER'S ESTIMATE

**Client:** City of Olathe  
**Project:** Black Bob Road (159th to 167th)  
**Project Number:** 021-07612  
**Date:** 01.14.2025

	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	COST	KDOT NON - PARTICIPATING
136	Entrance Monument & Sign Relocation (Heritage Park)	1	Lump Sum	\$0.00	\$0.00	
137	Remove and Relocate Heritage Park Wayfinding Signage	1	Lump Sum	\$0.00	\$0.00	
138	Install Monument Box	2	Each	\$1,750.00	\$3,500.00	
139	Owners Allowance (Set Price of \$400,000)*	1	Lump Sum	\$400,000.00	\$400,000.00	\$400,000.00
140	CARS Project Sign*	2	Each	\$550.00	\$1,100.00	\$1,100.00
				<b>TOTAL</b>	<b>\$13,671,475.00</b>	<b>\$1,971,900.00</b>

\* KDOT Non-Participating

