

Engineer's Estimate of Probable Construction Costs Field Check Plans

PROJECT INFORMATION

PROJECT:	Roe Boulevard Improvements	DATE:	March 4, 2019
JOB NO.:	STP-N066(101)	PROJECT MANAGER:	BAB
CLIENT:	City of Roeland Park, KS	PREPARED BY:	MLG

Item No.		Units	Unit Price	Total	
				Quantity	Extension
1	Mobilization	LS	\$ 306,841.90	1.0	\$ 306,841.90
2	Contractor Construction Staking	LS	\$ 50,000.00	1.0	\$ 50,000.00
3	Field Office & Laboratory (Type A)	Each	\$ 5,000.00	1.0	\$ 5,000.00
4	Erosion Control	LS	\$ 50,000.00	1.0	\$ 50,000.00
5	Clearing & Grubbing	Acre	\$ 15,000.00	0.1	\$ 1,500.00
6	Removal of Existing Structures	LS	\$ 100,000.00	1.0	\$ 100,000.00
7	Removal & Reconstruction of Existing Structures	LS	\$ 10,000.00	1.0	\$ 10,000.00
8	Common Excavation	Cu. Yd.	\$ 30.00	5757.4	\$ 172,722.79
9	Rock Excavation	Cu. Yd.	\$ 75.00	5518.8	\$ 413,912.44
10	Compaction of Earthwork (Type B) (MR-90)	Cu. Yd.	\$ 8.00	1344.2	\$ 10,753.76
11	Concrete (Grade 3.0) (AE) *Stamped Median or Alternative	Sq. Yd.	\$ 100.00	990.6	\$ 99,060.00
12	Curb & Gutter, Combined (AE) (Special)	Ln. Ft.	\$ 30.00	14242.4	\$ 427,272.00
13	Curb, Protection (AE) (Special)	Ln. Ft.	\$ 25.00	10501.1	\$ 262,527.50
14	Concrete Pavement (6" Uniform) (AE) (Plain)	Sq. Yd.	\$ 58.00	2663.1	\$ 154,459.80
15	Concrete Pavement (8" Uniform) (AE) (Plain)	Sq. Yd.	\$ 62.00	370.1	\$ 22,946.20
16	Sidewalk Construction (4") (AE)	Sq. Yd.	\$ 32.00	7211.9	\$ 230,780.80
17	Sidewalk Ramp	Sq. Yd.	\$ 100.00	1034.1	\$ 103,410.00
18	Integral Sidewalk Retaining Wall	Ln. Ft.	\$ 100.00	235.5	\$ 23,550.00
19	Storm Sewer (24")	Ln. Ft.	\$ 70.00	754.9	\$ 52,843.00
20	Line 60" x 180' CMP with Spray Liner	LS	\$ 125,000.00	1.0	\$ 125,000.00
21	Inlet (Curb) (Setback) (Special)	Each	\$ 3,500.00	19.0	\$ 66,500.00
22	Inlet (Curb) (Type 12)	Each	\$ 3,000.00	2.0	\$ 6,000.00
23	Manhole	Each	\$ 3,000.00	2.0	\$ 6,000.00
24	Inlet (Area) (Special)	Each	\$ 3,000.00	1.0	\$ 3,000.00
25	Junction Box	Each	\$ 1,500.00	4.0	\$ 6,000.00
26	HMA-Commercial Grade (Class A) (Patching)	Ton	\$ 175.00	952.8	\$ 166,742.85
27	Flowable Fill (Low Strength)	Cu. Yd.	\$ 150.00	395.2	\$ 59,280.00
28	Roadside Improvements	LS	\$ 300,000.00	1.0	\$ 300,000.00
29	Adjustment of Manholes	Each	\$ 550.00	2.0	\$ 1,100.00
30	Adjustment of Junction Box	Each	\$ 550.00	8.0	\$ 4,400.00
31	Adjustment of Curb Inlet	Each	\$ 550.00	7.0	\$ 3,850.00
	Surfacing Items				
32	Plant Mix Asphalt Mixture - Overland Park (Surface)	Ton	\$ 90.00	5046.5	\$ 454,182.81
33	Plant Mix Asphalt Mixture - Overland Park (Base)	Ton	\$ 80.00	5627.0	\$ 450,162.31
34	Aggregate Base (AB-3) (6")	Sq. Yd.	\$ 8.00	16974.2	\$ 135,793.99
35	Milling	Sq. Yd.	\$ 1.50	34335.7	\$ 51,503.58
	Seeding Items				
36	Sod (Turf Type Tall Fescue) (Strips)	Sq. Yd.	\$ 5.25	19985.7	\$ 104,925.18
	Traffic Items				
37	4" White Thermoplastic	Ln. Ft.	\$ 1.00	225	\$ 225.00
38	4" Yellow Thermoplastic	Ln. Ft.	\$ 1.00	3411	\$ 3,411.00
39	6" White Thermoplastic	Ln. Ft.	\$ 2.00	9612	\$ 19,224.00
40	12" Yellow Thermoplastic	Ln. Ft.	\$ 5.00	38	\$ 190.00
41	24" White Pre-formed Thermoplastic	Ln. Ft.	\$ 10.00	521	\$ 5,210.00
42	White Right/Left Arrows Pre-formed Thermoplastic	Each	\$ 150.00	84	\$ 12,600.00
43	White Thru-Right/Left Arrows Pre-formed Thermoplastic	Each	\$ 250.00	3	\$ 750.00
44	Permanent Traffic Control Signs	Sq. Ft.	\$ 20.00	714.0	\$ 14,280.00
45	1-3/4" x 1-3/4" Sign Posts	Ln. Ft.	\$ 5.00	880.0	\$ 4,400.00
46	2" x 2" Sign Post Anchors	Ln. Ft.	\$ 6.00	320.0	\$ 1,920.00
47	2-1/4" x 2-1/4" Anchor Sleeves	Ln. Ft.	\$ 8.00	200.0	\$ 1,600.00
48	Street Lighting	LS	\$ 848,000.00	1.0	\$ 848,000.00
49	Traffic Signals & Communication	Each	\$ 200,000.00	4.0	\$ 800,000.00
50	Traffic Control	LS	\$ 289,849.00	1.0	\$ 289,849.00
	Construction (Base Bid):				\$6,443,679.90
	Inflation (%/yrs):	3.5%	0		\$6,443,679.90
	Contingency (%):		10%		\$644,000.00
	Grand Total:				\$ 7,087,679.90