



TAYLOR MILL 2022 STREET IMPROVEMENTS AND KEAVY DRIVE IMPROVEMENTS
TAYLOR MILL, KENTUCKY
PROJECT: 210859/210230
Bid Date 1/27/2022

ENGINEER'S ESTIMATE

MICHELS CONSTRUCTION

EATON ASPHALT

RIEGLER BLACKTOP

ITEM NO.	SPEC. NO.	ITEM	Estimated Quantity	Unit of Measure	Unit Cost Total	Total Amount Bid	Unit Cost Total	Total Amount Bid	Unit Cost Total	Total Amount Bid	Unit Cost Total	Total Amount Bid
1	110	MOBILIZATION	1	LS	\$15,000.00	\$15,000.00	\$28,300.00	\$28,300.00	\$4,800.00	\$4,800.00	\$10,000.00	\$10,000.00
2	112	MAINTENANCE OF TRAFFIC	1	LS	\$7,000.50	\$7,000.50	\$7,450.00	\$7,450.00	\$11,400.00	\$11,400.00	\$26,000.00	\$26,000.00
3	202	CLEARING AND GRUBBING, (INCLUDES REMOVAL AND REINSTALLATION OF SIGNS AND MAILBOXES)	1	LS	\$3,000.00	\$3,000.00	\$2,400.00	\$2,400.00	\$550.00	\$550.00	\$15,000.00	\$15,000.00
4	203	REMOVE EXISTING SIDEWALK (NO SIDEWALK RECONSTRUCTION)	49	SF	\$4.00	\$196.00	\$8.00	\$392.00	\$6.00	\$294.00	\$5.00	\$245.00
5	203	REMOVE EXISTING CURB INLET	5	EA	\$375.00	\$1,875.00	\$350.00	\$1,750.00	\$10.00	\$50.00	\$500.00	\$2,500.00
6	204	REMOVE EXISTING ROADWAY INCLUDING EXISTING CURB	2,161	SY	\$18.00	\$38,898.00	\$19.00	\$41,059.00	\$38.00	\$82,118.00	\$25.00	\$54,025.00
7	204	EXCAVATION FOR GRANULAR BASE	2,161	SY	\$3.00	\$6,483.00	\$4.00	\$8,644.00	\$2.50	\$5,402.50	\$12.00	\$25,932.00
8	207	SUBGRADE RESHAPING AND COMPACTING	2,161	SY	\$1.00	\$2,161.00	\$2.00	\$4,322.00	\$1.25	\$2,701.25	\$1.00	\$2,161.00
9	212/213	EROSION & WATER POLLUTION CONTROL	1	LS	\$4,000.00	\$4,000.00	\$550.00	\$550.00	\$2,000.00	\$2,000.00	\$500.00	\$500.00
10	214	MIRAFI 600X OR EQUIVALENT WOVEN GEOTEXTILE	2,161	SY	\$2.00	\$4,322.00	\$1.95	\$4,213.95	\$2.00	\$4,322.00	\$2.00	\$4,322.00
11	SPL	4" CRUSHED STONE BASE (LESS THAN 7% FINES)	241	CY	\$50.00	\$12,050.00	\$64.00	\$15,424.00	\$48.00	\$11,568.00	\$70.00	\$16,870.00
12	302/SPL*	CONCRETE SUBGRADE REPAIR: 6" CRUSHED STONE BASE (CSB) FOR SUGRADE REPAIR (INCLUDES EXCAVATION AND DISPOSAL OF UNSUITABLE)	37	CY	\$70.00	\$2,590.00	\$58.00	\$2,146.00	\$51.00	\$1,887.00	\$100.00	\$3,700.00
13	302/SPL*	ASPHALT SUBGRADE REPAIR: 6" DENSE GRADE AGGREGATE (DGA) BASE FOR SUGRADE REPAIR (INCLUDES EXCAVATION AND DISPOSAL OF UNSUITABLE)	95	CY	\$80.00	\$7,600.00	\$58.00	\$5,510.00	\$110.00	\$10,450.00	\$50.00	\$4,750.00
14	SPL*	CONCRETE SUBGRADE REPAIR: GEOGRID REINFORCEMENT FOR SUBGRADE REPAIR (TENSAR BX 1200 OR EQUIVALENT)	217	SY	\$5.50	\$1,193.50	\$4.50	\$976.50	\$3.75	\$813.75	\$5.00	\$1,085.00
15	SPL	8" PCC PAVEMENT WITH INTEGRAL ROLLED CURB	2,161	SY	\$50.00	\$108,050.00	\$67.00	\$144,787.00	\$60.00	\$129,660.00	\$74.00	\$159,914.00
15a	SPL	9" PCC PAVEMENT (HIGH EARLY MIX)	204	SY	\$50.00	\$10,200.00	\$134.00	\$27,336.00	\$85.00	\$17,340.00	\$160.00	\$32,640.00
16	SPL	6" CONCRETE DRIVEWAY APRON REPLACEMENT	1,150	SF	\$6.00	\$6,900.00	\$12.50	\$14,375.00	\$15.00	\$17,250.00	\$14.00	\$16,100.00
17	SPL*	FULL DEPTH PAVEMENT REPAIR AS PER PLAN	568	SY	\$45.00	\$25,560.00	\$49.00	\$27,832.00	\$60.00	\$34,080.00	\$70.00	\$39,760.00
18	408	3" MILLING	4,662	SY	\$3.00	\$13,986.00	\$3.80	\$17,715.60	\$5.00	\$23,310.00	\$3.75	\$17,482.50
19	408	1.5" MILLING	6,684	SY	\$2.00	\$13,368.00	\$3.50	\$23,394.00	\$3.50	\$23,394.00	\$2.50	\$16,710.00
20	402/403/ SPL	1.5" ASPHALT SURFACE COURSE (CL2 ASPHALT SURFACE 0.38D PG64-22) WITH FIBER REINFORCEMENT	11,346	SY	\$9.00	\$102,114.00	\$8.70	\$98,710.20	\$11.00	\$124,806.00	\$8.75	\$99,277.50
21	402/403	1.5" ASPHALT INTERMEDIATE COURSE (CL2 ASPH BIND 0.50D PG64-22)	4,662	SY	\$5.00	\$23,310.00	\$7.10	\$33,100.20	\$7.50	\$34,965.00	\$7.50	\$34,965.00
22	411	ASPHALT WEDGE CURB	40	LF	\$25.00	\$1,000.00	\$29.00	\$1,160.00	\$85.00	\$3,400.00	\$37.00	\$1,480.00

* CONTINGENCY ITEM - TO BE USED AT THE ENGINEER'S DIRECTION



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23	506 *	VERTICAL CURB AND GUTTER REPLACEMENT	75	LF	\$35.00	\$2,625.00	\$79.00	\$5,925.00	\$54.00	\$4,050.00	\$85.00	\$6,375.00
24	506 *	ROLLED CURB AND GUTTER REPLACEMENT	75	LF	\$30.00	\$2,250.00	\$74.00	\$5,550.00	\$48.00	\$3,600.00	\$85.00	\$6,375.00
25	SPL	CONCRETE WALK REPLACEMENT	967	SF	\$8.00	\$7,736.00	\$16.00	\$15,472.00	\$13.00	\$12,571.00	\$15.00	\$14,505.00
26	SPL	ADA CURB RAMP	14	EA	\$250.00	\$3,500.00	\$230.00	\$3,220.00	\$500.00	\$7,000.00	\$1,800.00	\$25,200.00
27	704	4" RIGID PERFORATED PVC UNDERDRAIN SYSTEM	1,420	LF	\$15.00	\$21,300.00	\$13.50	\$19,170.00	\$10.00	\$14,200.00	\$15.00	\$21,300.00
28	704	4" SOLID P.V.C. FOR UNDERDRAIN OUTLET	135	LF	\$12.00	\$1,620.00	\$12.00	\$1,620.00	\$22.00	\$2,970.00	\$40.00	\$5,400.00
29	710	STANDARD DOUBLE GRATE CURB INLET	3	EA	\$3,200.00	\$9,600.00	\$5,250.00	\$15,750.00	\$4,500.00	\$13,500.00	\$5,800.00	\$17,400.00
30	710	DOUBLE GRATE CURB INLET W/ MOUNTABLE GRATE (NOTE 6)	2	EA	\$3,600.00	\$7,200.00	\$5,200.00	\$10,400.00	\$4,800.00	\$9,600.00	\$6,700.00	\$13,400.00
31	710	REPLACE CURB INLET TOP W/ HOOD, FRAME AND VANE GRATE (NOTE 8)	2	EA	\$2,000.00	\$4,000.00	\$2,425.00	\$4,850.00	\$2,000.00	\$4,000.00	\$4,100.00	\$8,200.00
32	713/714	PAVEMENT STRIPING	1	LS	\$4,200.00	\$4,200.00	\$2,900.00	\$2,900.00	\$4,000.00	\$4,000.00	\$2,120.00	\$2,120.00
PART A - 2022 STREET PROGRAM SUB TOTAL:						\$474,888.00		\$596,404.45		\$622,052.50		\$705,694.00
KEAVY DRIVE IMPROVEMENTS												
33	110	MOBILIZATION	1	LS	\$4,500.00	\$4,500.00	\$14,100.00	\$14,100.00	\$4,000.00	\$4,000.00	\$2,500.00	\$2,500.00
34	112	MAINTENANCE OF TRAFFIC	1	LS	\$1,700.00	\$1,700.00	\$3,100.00	\$3,100.00	\$3,500.00	\$3,500.00	\$500.00	\$500.00
35	202	CLEARING AND GRUBBING	1	LS	\$3,100.00	\$3,100.00	\$850.00	\$850.00	\$2,500.00	\$2,500.00	\$5,000.00	\$5,000.00
35	202	REMOVE TREE / STUMP	3	EA	\$300.00	\$900.00	\$750.00	\$2,250.00	\$1,100.00	\$3,300.00	\$500.00	\$1,500.00
36	203	REMOVE STRUCTURE (WOODEN SHED)	1	LS	\$500.00	\$500.00	\$775.00	\$775.00	\$1,800.00	\$1,800.00	\$1,000.00	\$1,000.00
37	203	ASPHALT PAVEMENT REMOVAL	376	SY	\$8.00	\$3,008.00	\$24.00	\$9,024.00	\$9.00	\$3,384.00	\$40.00	\$15,040.00
38	203	EXCAVATION FOR GRANULAR BASE	376	SY	\$3.00	\$1,128.00	\$6.00	\$2,256.00	\$9.00	\$3,384.00	\$30.00	\$11,280.00
39	204/206	EARTHWORK/GRADING	1	LS	\$27,000.00	\$27,000.00	\$36,900.00	\$36,900.00	\$18,875.00	\$18,875.00	\$33,000.00	\$33,000.00
40	207	SUBGRADE RESHAPING AND COMPACTING (RECONSTRUCTION AREA ONLY)	383	SY	\$2.00	\$766.00	\$5.00	\$1,915.00	\$3.50	\$1,340.50	\$9.00	\$3,447.00
41	212/213	EROSION CONTROL & WATER POLLUTION CONTROL	1	LS	\$2,200.25	\$2,200.25	\$1,050.00	\$1,050.00	\$5,000.00	\$5,000.00	\$1,500.00	\$1,500.00
42	SPL*	FULL DEPTH PAVEMENT REPAIR AS PER PLAN	92	SY	\$45.00	\$4,140.00	\$69.00	\$6,348.00	\$106.00	\$9,752.00	\$105.00	\$9,660.00

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43	302/SPL*	ASPHALT SUBGRADE REPAIR: 6" DENSE GRADE AGGREGATE (DGA) BASE FOR SUGRADE REPAIR (INCLUDES EXCAVATION AND DISPOSAL OF UNSUITABLE	16	CY	\$80.00	\$1,280.00	\$89.00	\$1,424.00	\$130.00	\$2,080.00	\$150.00	\$2,400.00
44	302	7" CRUSHED STONE BASE	75	CY	\$58.00	\$4,350.00	\$84.00	\$6,300.00	\$78.00	\$5,850.00	\$70.00	\$5,250.00
45	402/403	5" ASPHALT BASE	383	SY	\$25.00	\$9,575.00	\$32.00	\$12,256.00	\$29.00	\$11,107.00	\$32.00	\$12,256.00
46	402/403	1" ASPHALT LEVELING COURSE	915	SY	\$4.00	\$3,660.00	\$6.00	\$5,490.00	\$9.00	\$8,235.00	\$8.00	\$7,320.00
47	402/403/SPL	1.5" ASPHALT SURFACE WITH FIBER REINFORCEMENT	1,298	SY	\$9.00	\$11,682.00	\$9.75	\$12,655.50	\$13.00	\$16,874.00	\$10.00	\$12,980.00
48	408	PAVEMENT MILLING, 2-1/2"	915	SY	\$2.25	\$2,058.75	\$6.75	\$6,176.25	\$5.50	\$5,032.50	\$5.00	\$4,575.00
49	411	ASPHALT WEDGE CURB	15	LF	\$25.00	\$375.00	\$50.00	\$750.00	\$125.00	\$1,875.00	\$50.00	\$750.00
50	703	CRUSHED AGGREGATE SLOPE PROTECTION (1' DEPTH, INCLUDES GEOTEXTILE FABRIC)	197	SY	\$23.00	\$4,531.00	\$34.00	\$6,698.00	\$30.00	\$5,910.00	\$26.75	\$5,269.75
51	704	PERFORATED PIPE UNDERDRAIN-6 IN	272	LF	\$18.00	\$4,896.00	\$14.00	\$3,808.00	\$19.00	\$5,168.00	\$20.00	\$5,440.00
52	704	NON-PERFORATED PIPE UNDERDRAIN-6 IN	44	LF	\$22.00	\$968.00	\$12.00	\$528.00	\$33.00	\$1,452.00	\$35.00	\$1,540.00
53	704	PERFORATED PIPE HEADWALL	1	EA	\$900.00	\$900.00	\$950.00	\$950.00	\$1,500.00	\$1,500.00	\$750.00	\$750.00
54	SPL	TURF REINFORCEMENT MAT, TYPE 1	200	SY	\$6.00	\$1,200.00	\$4.00	\$800.00	\$6.50	\$1,300.00	\$10.00	\$2,000.00
55	719	GUARD RAIL, STEEL W-BEAM, SINGLE FACE, 6' POSTS TYPICAL (9' POSTS WHERE NEEDED)	113	LF	\$45.00	\$5,085.00	\$51.00	\$5,763.00	\$83.00	\$9,379.00	\$55.00	\$6,215.00
56	719	GUARDRAIL END TREATMENT, TYPE 4A	2	EA	\$3,400.00	\$6,800.00	\$4,100.00	\$8,200.00	\$4,000.00	\$8,000.00	\$3,500.00	\$7,000.00
57	SPL *	GRAVEL DRIVEWAY REPLACEMENT	2582	SF	1	\$2,582.00	\$2.00	\$5,164.00	\$3.25	\$8,391.50	\$0.75	\$1,936.50
58	SPL *	6" CONCRETE DRIVEWAY APRON REPLACEMENT	405	SF	6	\$2,430.00	\$16.00	\$6,480.00	\$13.50	\$5,467.50	\$15.00	\$6,075.00
59	SPL *	GEOGRID REINFORCEMENT FOR SUBGRADE REPAIR (MIRAFI 600X OR EQUIVALENT)	92	SY	5.5	\$506.00	\$7.00	\$644.00	\$7.50	\$690.00	\$5.50	\$506.00
PART B - KEAVY DRIVE IMPROVEMENTS SUB-TOTAL:						\$111,821.00		\$162,654.75		\$155,147.00		\$166,690.25
PROJECT TOTAL (PART A + PART B):						\$586,709.00		\$759,059.20		\$777,199.50		\$872,384.25