



SOUTHERN GROVE PLAT No. 33 (N-S Roadway Infrastructure)

60% ENGINEERS ESTIMATE OF PROBABLE CONSTRUCTION COST

12/1/2020

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	PROJECT COST
101-1A	MOBILIZATION/GENERAL CONDITIONS/BONDS	LS	1	5%	\$ 134,060.52
101-1B	CONSTRUCTION STAKEOUT & AS-BUILT SURVEY	LS	1	1.5%	\$ 40,572.52
102-1	MAINTENANCE OF TRAFFIC	LS	1	2.0%	\$ 53,624.21
104-10-3	SEDIMENT BARRIER	LF	8,640	\$ 1.25	\$ 10,800.00
104-11	FLOATING TURBIDITY BARRIER	LF	300	\$ 10.00	\$ 3,000.00
104-15	SOIL TRACKING PREVENTION DEVICE	EA	2	\$ 2,600.00	\$ 5,200.00
104-18	INLET PROTECTION SYSTEM	EA	8	\$ 110.00	\$ 880.00
110-1	CLEARING & GRUBBING	AC	19	\$ 6,000.00	\$ 114,000.00
120-1	REGULAR EXCAVATION	CY	25,150	\$ 4.00	\$ 100,600.00
120-3	LATERAL DITCH EXCAVATION	CY	19,450	\$ 4.00	\$ 77,800.00
120-3A	LATERAL DITCH CLEANING	LF	3,500	\$ 20.00	\$ 70,000.00
120-6A	EMBANKMENT	CY	25,431	\$ 5.00	\$ 127,155.00
160-4	TYPE B STABILIZATION (12" THICK)	SY	13,131	\$ 4.30	\$ 56,463.30
285-710	OPTIONAL BASE, BASE GROUP 09 (LBR 100)(10" THICK)	SY	11,631	\$ 15.00	\$ 174,465.00
327-70-1	MILLING EXISTING ASPH PAVT, 1" AVG DEPTH	SY	600	\$ 5.00	\$ 3,000.00
334-1-13	SUPERPAVE ASPHALTIC CONC. TRAFFIC C (SP-12.5) (1.5" THICK)	TON	949	\$ 90.00	\$ 85,410.00
337-7-82	SUPERPAVE ASPHALTIC CONC. TRAFFIC C (SP-9.5) (1" THICK)	TON	635	\$ 100.00	\$ 63,500.00
400-0-11	CONCRETE CLASS NS, GRAVITY WALL (W/ STEEL)	CY	40.0	\$ 500.00	\$ 20,000.00
425-1-351	INLETS, CURB, TYPE P-5, <10'	EA	6	\$ 4,800.00	\$ 28,800.00
425-1-361	INLETS, CURB, TYPE P-6, <10'	EA	4	\$ 5,000.00	\$ 20,000.00
425-1-561	INLETS, DITCH BOTTOM, TYPE E, < 10'	EA	2	\$ 4,900.00	\$ 9,800.00
425-2-61	MANHOLE P-8, <10'	EA	2	\$ 3,500.00	\$ 7,000.00
430-174-118	PIPE CULVERT, OPTIONAL, ROUND, 18"	LF	767	\$ 60.00	\$ 46,020.00
430-174-124	PIPE CULVERT, OPTIONAL, ROUND, 24"	LF	181	\$ 80.00	\$ 14,480.00
430-174-130	PIPE CULVERT, OPTIONAL, ROUND, 30"	LF	397	\$ 145.00	\$ 57,565.00
430-174-218	PIPE CULVERT, OPTIONAL, ELLIPTICAL, 14" x 23"	LF	79	\$ 60.00	\$ 4,740.00
430-174-224	PIPE CULVERT, OPTIONAL, ELLIPTICAL, 19" x 30"	LF	99	\$ 80.00	\$ 7,920.00
430-175-124	PIPE CULVERT, CORROGATED ALUMINUM, ROUND, 24"	LF	20	\$ 50.00	\$ 1,000.00
430-175-184	PIPE CULVERT, REINFORCED CONCRETE, ROUND, 84"	LF	192	\$ 550.00	\$ 105,600.00
430-982-225	MITERED END SECTION, OPTIONAL, ELLIPTICAL, 14" x 23"	EA	7	\$ 850.00	\$ 5,950.00
430-982-229	MITERED END SECTION, OPTIONAL, ELLIPTICAL, 19" x 30"	EA	1	\$ 1,070.00	\$ 1,070.00
446-1-1	EDGEDRAIN DRAINCRETE STANDARD	LF	3,570	\$ 21.00	\$ 74,970.00
520-1-10	CONCRETE CURB & GUTTER, TYPE F	LF	3,580	\$ 16.00	\$ 57,280.00
522-1	CONCRETE SIDEWALK/PADS, 4" THICK	SY	4,739	\$ 38.00	\$ 180,082.00
522-2	CONCRETE DRIVEWAY, 6" THICK	SY	122	\$ 46.00	\$ 5,612.00
570-1-2	DETECTABLE MAT	SF	72	\$ 30.00	\$ 2,160.00
570-1-1	PERFORMANCE TURF, SEED & MULCH (LATERAL DITCH)	SY	8,200	\$ 1.00	\$ 8,200.00
570-1-2	PERFORMANCE TURF, SOD	SY	23,630	\$ 2.30	\$ 54,349.00
590-70	LANDSCAPE COMPLETE - STREET TREES	LS	1	\$ 37,500.00	\$ 37,500.00
590-80	IRRIGATION SYSTEM	LS	1	\$ 25,000.00	\$ 25,000.00
700-1-11	SINGLE POST SIGN, F&I GM, < 12 SF	EA	15	\$ 350.00	\$ 5,250.00
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	EA	150	\$ 3.75	\$ 562.50
711-11-121	THERMOPLASTIC, STANDARD, WHITE, SOLID, 6"	LF	5,120	\$ 1.10	\$ 5,632.00
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12"	LF	200	\$ 2.20	\$ 440.00
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24"	LF	140	\$ 4.40	\$ 616.00
711-11-141	THERMOPLASTIC, STANDARD, WHITE, SKIP (10 - 30)	LF	400	\$ 1.10	\$ 440.00
711-11-160A	THERMOPLASTIC, STANDARD, WHITE, MESSAGE (MERGE)	EA	2	\$ 200.00	\$ 400.00
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	8	\$ 150.00	\$ 1,200.00
711-11-221	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 6"	LF	4,960	\$ 2.20	\$ 10,912.00
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18"	LF	55	\$ 3.30	\$ 181.50
715-2-115	2" CONDUIT (F&I) (UNDERGRD, PVC SCHEDULE 40)	LF	4,860	\$ 2.50	\$ 12,150.00
715-7-11	LOAD CENTER (F&I) (SECONDARY VOLTAGE)	EA	1	\$ 10,500.00	\$ 10,500.00
635-2-11	PULL & SPLICE BOX (F&I) 13" x 24" COVER	EA	15	\$ 200.00	\$ 3,000.00
715-516-115	LIGHTING POLE COMPLETE (F&I)	EA	10	\$ 3,500.00	\$ 35,000.00
1050-31206A	UTILITY PIPE,PVC, F&I, 6" FORCE MAIN	LF	2125	\$ 25.00	\$ 53,125.00
1050-31208A	UTILITY PIPE,PVC, F&I, 8" FORCE MAIN	LF	900	\$ 30.00	\$ 27,000.00
1050-31208B	UTILITY PIPE,PVC, F&I, 8" GRAVITY MAIN	LF	1419	\$ 50.00	\$ 70,950.00
1050-31206B	UTILITY PIPE,PVC, F&I, 6" WATER MAIN	LF	110	\$ 25.00	\$ 2,750.00
1050-31208C	UTILITY PIPE,PVC, F&I, 8" WATER MAIN	LF	270	\$ 30.00	\$ 8,100.00
1050-31212	UTILITY PIPE,PVC, F&I, 12" WATER MAIN	LF	4572	\$ 50.00	\$ 228,600.00
1080-23112	UTILITY FIXTURE - TAPPING SADDLE/VALVE, F&I, 12" WM	EA	1	\$ 4,730.00	\$ 4,730.00
1080-24106A	UTILITY FIXTURE - VALVE ASSEMBLY, F&I, 6" FM	EA	3	\$ 800.00	\$ 2,400.00
1080-24108A	UTILITY FIXTURE - VALVE ASSEMBLY, F&I, 8" FM	EA	2	\$ 1,000.00	\$ 2,000.00
1080-24106B	UTILITY FIXTURE - VALVE ASSEMBLY, F&I, 6" WM	EA	1	\$ 800.00	\$ 800.00
1080-24108B	UTILITY FIXTURE - VALVE ASSEMBLY, F&I, 8" WM	EA	2	\$ 1,000.00	\$ 2,000.00
1080-24112	UTILITY FIXTURE - VALVE ASSEMBLY, F&I, 12" WM	EA	11	\$ 1,600.00	\$ 17,600.00
1080-32102	UTILITY FIXTURE - SAMPLE POINT	EA	7	\$ 500.00	\$ 3,500.00
1501-1	SANITARY LIFT STATION	LS	1	\$ 450,000.00	\$ 450,000.00
1644-112-06	FIRE HYDRANT ASSEMBLY w/ VALVE & FITTINGS	EA	10	\$ 2,400.00	\$ 24,000.00
2000	SANITARY MANHOLE	EA	6	\$ 5,000.00	\$ 30,000.00
	SIGNALIZATION (BECKER & HEGNER)	LS	1	\$ 250,000.00	\$ 250,000.00
	TOTAL				\$ 3,159,467.54
	20% BOND CONTINGENCY				\$ 631,893.51
	GRAND TOTAL FOR BOND				\$ 3,791,361.05



This item has been digitally signed and sealed by Stefan K. Matthes, PE on 12/01/2020 using a Digital Signature. Printed copies of this document are not considered signed and sealed and the SHA Authentication code must be verified on any electronic copies.

SUBMITTED BY
CULPEPPER & TERPENING, INC

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