

## Estimate 118164

Estimated Cost:\$549,963.59

Contingency: 6.80%

**Estimated Total: \$587,361.11**

MOT-CR74-8.40 FINAL COST ESTIMATE  
INFLATION CONTINGENCY 6.8%

***Base Date: 06/18/25***

Spec Year:

Unit System: E

Work Type: SIGNALIZATION ITEMS

Highway Type:

Urban/Rural Type: URBAN CLASS

Season: SUMMER

County: MONTGOMERY

Latitude of Midpoint: 394810

Longitude of Midpoint: -840750

District: 07

Federal/State Project Number: E230150

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					

**Group 0100: ROADWAY**

1	201E11000 CLEARING AND GRUBBING	1.00	LS	\$2,000.00000	\$2,000.00
10	608E15000 8" CONCRETE WALK	143.00	SF	\$13.28204	\$1,899.33
11	608E52000 CURB RAMP	1,071.00	SF	\$17.48033	\$18,721.43
12	608E53020 DETECTABLE WARNING	100.00	SF	\$52.94232	\$5,294.23
2	202E23000 PAVEMENT REMOVED	91.00	SY	\$22.18278	\$2,018.63
3	202E30000 WALK REMOVED	614.00	SF	\$3.38128	\$2,076.11
4	202E32000 CURB REMOVED	116.00	FT	\$11.54463	\$1,339.18
5	202E30600 CONCRETE MEDIAN REMOVED	23.00	SY	\$49.44191	\$1,137.16
6	203E10000 EXCAVATION	63.00	CY	\$39.41713	\$2,483.28
7	203E20000 EMBANKMENT	12.00	CY	\$62.11627	\$745.40
8	204E10000 SUBGRADE COMPACTION	86.00	SY	\$3.87595	\$333.33
9	608E10000 4" CONCRETE WALK	1,100.00	SF	\$9.82266	\$10,804.93

Total for Group 0100:\$48,853.01

**Group 0200: EROSION CONTROL**

13	659E00100 SOIL ANALYSIS TEST	2.00	EACH	\$154.49397	\$308.99
14	659E00300 TOPSOIL	52.00	CY	\$62.89101	\$3,270.33
15	659E00500 SEEDING AND MULCHING, CLASS 1	468.00	SY	\$4.25587	\$1,991.75
16	659E20000 COMMERCIAL FERTILIZER	0.07	TON	\$859.83957	\$60.19

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17	659E31000	0.10	ACRE	\$69.76744	\$6.98
	LIME				
18	659E35000	3.00	MGAL	\$7.55062	\$22.65
	WATER				

Total for Group 0200:\$5,660.89

## Group 0300: PAVEMENT

19	254E01000	1,718.00	SY	\$8.69769	\$14,942.63
	PAVEMENT PLANING, ASPHALT CONCRETE , 1.5"				
20	301E56000	12.00	CY	\$500.26278	\$6,003.15
	ASPHALT CONCRETE BASE, PG64-22, (449)				
21	304E20000	12.00	CY	\$95.45556	\$1,145.47
	AGGREGATE BASE				
22	407E20000	145.00	GAL	\$4.43202	\$642.64
	NON-TRACKING TACK COAT				
23	441E70000	77.00	CY	\$423.91004	\$32,641.07
	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22				
24	452E12010	30.00	SY	\$119.38842	\$3,581.65
	8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P				
25	609E54000	1.00	SY	\$170.00000	\$170.00
	6" CONCRETE TRAFFIC ISLAND				

Total for Group 0300:\$59,126.61

## Group 0400: TRAFFIC CONTROL

26	630E03100	84.50	FT	\$16.85050	\$1,423.87
	GROUND MOUNTED SUPPORT, NO. 3 POST				
27	630E79101	24.00	EACH	\$500.00000	\$12,000.00
	SIGN HANGER ASSEMBLY, MAST ARM, AS PER PLAN				
28	630E80100	151.00	SF	\$29.09173	\$4,392.85
	SIGN, FLAT SHEET				
29	630E80511	8.00	EACH	\$530.00000	\$4,240.00
	SIGN, STREET NAME, AS PER PLAN				
30	630E85000	5.00	EACH	\$25.41362	\$127.07
	REMOVAL OF GROUND MOUNTED SIGN AND STORAGE				
31	630E85100	2.00	EACH	\$105.55242	\$211.10

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## REMOVAL OF GROUND MOUNTED SIGN AND REERECTION

32	630E86006	4.00	EACH	\$55.05731	\$220.23
REMOVAL OF GROUND MOUNTED POST SUPPORT AND STORAGE					

33	644E00104	0.06	MILE	\$3,372.13089	\$202.33
EDGE LINE, 6"					

34	644E00204	0.02	MILE	\$1,297.01654	\$25.94
LANE LINE, 6"					

35	644E00300	0.05	MILE	\$11,392.60053	\$569.63
CENTER LINE					

36	644E00404	488.00	FT	\$2.47072	\$1,205.71
CHANNELIZING LINE, 12"					

37	644E00500	154.00	FT	\$8.24559	\$1,269.82
STOP LINE					

38	644E00630	220.00	FT	\$6.13909	\$1,350.60
CROSSWALK LINE, 24"					

39	644E00720	177.00	FT	\$6.33238	\$1,120.83
CHEVRON MARKING					

40	644E01300	5.00	EACH	\$132.53567	\$662.68
LANE ARROW					

41	644E30000	250.00	FT	\$6.52095	\$1,630.24
REMOVAL OF PAVEMENT MARKING					

42	646E10400	15.00	FT	\$16.31688	\$244.75
STOP LINE					

43	646E10520	45.00	FT	\$18.04327	\$811.95
CROSSWALK LINE, 24"					

Total for Group 0400:\$31,709.60

## Group 0500: TRAFFIC SIGNALS

44	625E00450	4.00	EACH	\$141.88728	\$567.55
CONNECTION, FUSED PULL APART					

45	625E00460	4.00	EACH	\$123.95452	\$495.82
CONNECTION, UNFUSED PULL APART					

46	625E18401	3.00	EACH	\$1,250.00000	\$3,750.00
BRACKET ARM, 20', AS PER PLAN					

47	625E18501	1.00	EACH	\$1,400.00000	\$1,400.00
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Line #	Item Number	Quantity	Units	Unit Price	Extension
Description					
Supplemental Description					
BRACKET ARM, 25', AS PER PLAN					
48	625E23304	1,250.00	FT	\$2.19611	\$2,745.14
NO. 8 AWG 600 VOLT DISTRIBUTION CABLE					
49	625E23400	750.00	FT	\$1.93572	\$1,451.79
NO. 10 AWG POLE AND BRACKET CABLE					
50	625E25400	115.00	FT	\$20.33895	\$2,338.98
CONDUIT, 2", 725.04					
51	625E25500	45.00	FT	\$43.11996	\$1,940.40
CONDUIT, 3", 725.04					
52	625E25906	266.00	FT	\$48.00000	\$12,768.00
CONDUIT, JACKED OR DRILLED, 725.051, 4"					
53	625E26253	4.00	EACH	\$400.00000	\$1,600.00
LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN, TYPE III DISTRIBUTION, 135W, 4000K, 120VAC					
54	625E29000	149.00	FT	\$14.67195	\$2,186.12
TRENCH					
55	625E30700	3.00	EACH	\$1,094.06270	\$3,282.19
PULL BOX, 725.08, 18"					
56	625E30706	1.00	EACH	\$1,382.33566	\$1,382.34
PULL BOX, 725.08, 24"					
57	625E32000	10.00	EACH	\$305.66592	\$3,056.66
GROUND ROD					
58	625E36010	149.00	FT	\$1.18174	\$176.08
UNDERGROUND WARNING/MARKING TAPE					
59	632E05006	12.00	EACH	\$1,108.42777	\$13,301.13
VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, BLACK					
60	632E05064	6.00	EACH	\$1,500.00000	\$9,000.00
VEHICULAR SIGNAL HEAD, (LED), 4-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, BLACK					
61	632E20731	8.00	EACH	\$700.00000	\$5,600.00
PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, AS PER PLAN					
62	632E20751	12.00	EACH	\$970.00000	\$11,640.00
ACCESSIBLE PEDESTRIAN PUSHBUTTON, AS PER PLAN					
63	632E20751	4.00	EACH	\$1,070.00000	\$4,280.00
ACCESSIBLE PEDESTRIAN PUSHBUTTON, AS PER PLAN, AUDIBLE					
64	632E25000	24.00	EACH	\$38.21432	\$917.14
COVERING OF VEHICULAR SIGNAL HEAD					

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
65	632E25010	16.00	EACH	\$31.58870	\$505.42
COVERING OF PEDESTRIAN SIGNAL HEAD					
66	632E40500	1,250.00	FT	\$2.38875	\$2,985.94
SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG					
67	632E40700	4,180.00	FT	\$2.54685	\$10,645.83
SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG					
68	632E64010	4.00	EACH	\$5,960.00908	\$23,840.04
SIGNAL SUPPORT FOUNDATION					
69	632E64020	5.00	EACH	\$1,098.68327	\$5,493.42
PEDESTAL FOUNDATION					
70	632E68200	50.00	FT	\$4.63243	\$231.62
POWER CABLE, 2 CONDUCTOR, NO. 6 AWG					
71	632E69700	50.00	FT	\$4.18516	\$209.26
SERVICE CABLE, 3 CONDUCTOR, NO. 8 AWG					
72	632E70001	1.00	EACH	\$4,000.00000	\$4,000.00
POWER SERVICE, AS PER PLAN					
73	632E72151	1.00	EACH	\$25,000.00000	\$25,000.00
SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14, AS PER PLAN					
74	632E79111	1.00	EACH	\$14,000.00000	\$14,000.00
COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 4, AS PER PLAN					
75	632E79131	2.00	EACH	\$17,000.00000	\$34,000.00
COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12, AS PER PLAN					
76	632E89905	5.00	EACH	\$1,150.00000	\$5,750.00
PEDESTAL, 10', TRANSFORMER BASE, AS PER PLAN					
77	632E90020	12.00	EACH	\$146.14757	\$1,753.77
REMOVAL OF MISCELLANEOUS TRAFFIC SIGNAL ITEM FOR STORAGE					
78	632E90104	1.00	EACH	\$400.00000	\$400.00
REUSE OF TRAFFIC CONTROL ITEM : PULL BOX					
79	632E90104	1.00	EACH	\$1,500.00000	\$1,500.00
REUSE OF TRAFFIC CONTROL ITEM : ADVANCE RADAR DETECTION					
80	632E90200	6.00	EACH	\$350.00000	\$2,100.00
REUSE OF VEHICULAR SIGNAL HEAD					
81	632E90202	8.00	EACH	\$400.00000	\$3,200.00
REUSE OF PEDESTRIAN SIGNAL HEAD					

Estimate: 118164

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
82	632E90213	1.00	EACH	\$1,500.00000	\$1,500.00
REUSE OF CONTROLLER, AS PER PLAN					
83	632E90400	1.00	EACH	\$2,000.00000	\$2,000.00
SIGNALIZATION, MISC.: REMOVAL OF SIGNAL CABLE					
84	633E65511	1.00	EACH	\$17,000.00000	\$17,000.00
CABINET, TYPE TS-2, AS PER PLAN					
85	633E67101	1.00	EACH	\$3,000.00000	\$3,000.00
CABINET FOUNDATION, AS PER PLAN					
86	633E74001	1.00	EACH	\$8,100.00000	\$8,100.00
UNINTERRUPTIBLE POWER SUPPLY (UPS), AS PER PLAN					
87	809E69123	1.00	EACH	\$7,000.00000	\$7,000.00
ATC CONTROLLER, AS PER PLAN					
88	815E30001	2.00	EACH	\$3,600.00000	\$7,200.00
SPREAD SPECTRUM RADIO, AS PER PLAN					

Total for Group 0500:\$265,294.64

Group 0600: TRAFFIC SIGNALS ALTERNATES

89	809E69001	4.00	EACH	\$9,200.00000	\$36,800.00
ADVANCE RADAR DETECTION, AS PER PLAN (ALTERNATE 1)					
90	809E69101	4.00	EACH	\$0.00000	\$0.00
STOP LINE RADAR DETECTION, AS PER PLAN (ALTERNATE 1)					
91	809E69001	4.00	EACH	\$9,100.00000	\$36,400.00
ADVANCE RADAR DETECTION, AS PER PLAN (ALTERNATE 2)					
92	809E69101	4.00	EACH	\$0.00000	\$0.00
STOP LINE RADAR DETECTION, AS PER PLAN (ALTERNATE 2)					

Total for Group 0600:\$73,200.00

Group 0700: MAINTENANCE OF TRAFFIC

100	614E26000	292.00	FT	\$3.62674	\$1,059.01
WORK ZONE STOP LINE, CLASS I					
101	614E27010	207.00	FT	\$1.89030	\$391.29
WORK ZONE CROSSWALK LINE, CLASS I, 12"					
102	614E30000	2.00	EACH	\$63.86964	\$127.74
WORK ZONE ARROW, CLASS I					
93	410E12000	12.00	CY	\$83.12702	\$997.52
TRAFFIC COMPACTED SURFACE, TYPE A OR B					

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
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94	410E13000	12.00	CY	\$51.50981	\$618.12
TRAFFIC COMPACTED SURFACE, TYPE C					
95	614E13000	12.00	CY	\$286.69734	\$3,440.37
ASPHALT CONCRETE FOR MAINTAINING TRAFFIC					
96	614E20010	0.02	MILE	\$2,060.00000	\$41.20
WORK ZONE LANE LINE, CLASS I, 6"					
97	614E21000	0.02	MILE	\$2,057.29592	\$41.15
WORK ZONE CENTER LINE, CLASS I					
98	614E22010	0.04	MILE	\$2,153.30384	\$86.13
WORK ZONE EDGE LINE, CLASS I, 6"					
99	614E23010	357.00	FT	\$0.88601	\$316.31
WORK ZONE CHANNELIZING LINE, CLASS I, 12"					

Total for Group 0700:\$7,118.84

## Group 0800: INCIDENTALS

103	614E11000	1.00	LS	\$40,000.00000	\$40,000.00
MAINTAINING TRAFFIC					
104	623E10001	1.00	LS	\$4,000.00000	\$4,000.00
CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN					
105	624E10000	1.00	LS	\$15,000.00000	\$15,000.00
MOBILIZATION					

Total for Group 0800:\$59,000.00