

Estimate MAR-95-17.90

Estimated Cost:\$1,997,713.13

Contingency: 6.20%

Estimated Total: \$2,121,571.34

**MAR-95-17.90
PID 114818**

March 31, 2025

Base Date: 07/02/25

Spec Year: 19

Unit System: E

Work Type: ASPHALT

Highway Type:

Urban/Rural Type: URBAN CLASS

Season:

County: MARION

Latitude of Midpoint: 403453

Longitude of Midpoint: 830438

District: 06

Federal/State Project Number: E2120264 / 114818

Estimate Type: Final

Prepared by WES on 03/31/25

Checked by JES on 03/31/25

Line #	Item Number	Quantity	Units	UnitPrice	ExtendedAmount
Description					
Supplemental Description					
Group 0001: Roadway					
0001	201E11000 CLEARING AND GRUBBING	1.000	LS	\$2,000.00000	\$2,000.00
0002	202E23000 PAVEMENT REMOVED	691.000	SY	\$9.79046	\$6,765.21
0003	202E30701 CONCRETE BARRIER REMOVED, AS PER PLAN	216.000	FT	\$50.00000	\$10,800.00
0004	202E30700 CONCRETE BARRIER REMOVED	285.000	FT	\$50.00000	\$14,250.00
0005	202E32601 GUTTER REMOVED, AS PER PLAN	79.000	FT	\$25.00000	\$1,975.00
0006	202E35100 PIPE REMOVED, 24" AND UNDER	105.000	FT	\$24.21671	\$2,542.75
0007	202E38000 GUARDRAIL REMOVED	173.000	FT	\$2.74416	\$474.74
0008	202E58100 CATCH BASIN REMOVED	1.000	EACH	\$537.90069	\$537.90
0009	202E75000 FENCE REMOVED	10.000	FT	\$20.00000	\$200.00
0010	202E98100 REMOVAL MISC.: BOLLARD	2.000	EACH	\$1,000.00000	\$2,000.00
0011	202E98100 REMOVAL MISC.: EXIST WOOD POST	1.000	EACH	\$200.00000	\$200.00
0012	203E10000 EXCAVATION	816.000	CY	\$22.25198	\$18,157.62
0013	203E20000 EMBANKMENT	1,216.000	CY	\$16.73009	\$20,343.79
0014	204E10000 SUBGRADE COMPACTION	2,118.000	SY	\$2.00041	\$4,236.87
0015	204E45000 PROOF ROLLING	2.000	HOUR	\$163.69699	\$327.39
0016	255E20000 FULL DEPTH PAVEMENT SAWING	2,347.000	FT	\$4.01607	\$9,425.72
0017	606E15050 GUARDRAIL, TYPE MGS	25.000	FT	\$29.05169	\$726.29
0018	606E35002 MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	2.000	EACH	\$2,518.73605	\$5,037.47
0019	606E60022 IMPACT ATTENUATOR, TYPE 2 (UNIDIRECTIONAL) 35 MPH, 12" WIDE	2.000	EACH	\$28,391.00000	\$56,782.00
0020	606E60022 IMPACT ATTENUATOR, TYPE 2 (UNIDIRECTIONAL) 35 MPH, 60" WIDE	2.000	EACH	\$35,000.00000	\$70,000.00

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Description</u> <u>Supplemental Description</u>	<u>UnitPrice</u>	<u>ExtendedAmount</u>
0021	608E10000 4" CONCRETE WALK	3,736.000	SF		\$9.27531	\$34,652.56
0022	608E52000 CURB RAMP	892.000	SF		\$19.61390	\$17,495.60
0023	609E26000 CURB, TYPE 6	30.000	FT		\$36.31868	\$1,089.56
0202	878E25000 INSPECTION AND COMPACTION TESTING OF UNBOUND MATERIALS	1.000	LS		\$25,000.00000	\$25,000.00

Total for Group 0001:\$305,020.47

Group 0002: Erosion Control

0158	601E21050 TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	3.600	SY		\$303.76681	\$1,093.56
0159	601E32100 ROCK CHANNEL PROTECTION, TYPE B WITH FILTER	272.600	CY		\$32.14331	\$8,762.27
0160	659E00100 SOIL ANALYSIS TEST	2.000	EACH		\$75.27497	\$150.55
0161	659E00300 TOPSOIL	804.000	CY		\$27.83139	\$22,376.44
0162	659E00500 SEEDING AND MULCHING, CLASS 1	6,359.000	SY		\$1.31553	\$8,365.46
0163	659E14000 REPAIR SEEDING AND MULCHING	318.000	SY		\$0.80057	\$254.58
0164	659E15000 INTER-SEEDING	318.000	SY		\$0.57181	\$181.84
0165	659E20000 COMMERCIAL FERTILIZER	0.890	TON		\$526.66239	\$468.73
0166	659E31000 LIME	1.320	ACRE		\$60.98369	\$80.50
0167	659E35000 WATER	36.000	MGAL		\$0.98439	\$35.44
0168	670E00500 SLOPE EROSION PROTECTION	884.000	SY		\$2.12227	\$1,876.09
0196	832E15000 STORM WATER POLLUTION PREVENTION PLAN	1.000	LS		\$3,000.00000	\$3,000.00
0197	832E15002 STORM WATER POLLUTION PREVENTION INSPECTIONS	1.000	LS		\$12,000.00000	\$12,000.00
0198	832E15010 STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	1.000	LS		\$12,000.00000	\$12,000.00
0199	832E30000 EROSION CONTROL	30,000.000	EACH		\$1.00000	\$30,000.00

Total for Group 0002:\$100,645.46

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Description</u> <u>Supplemental Description</u>	<u>UnitPrice</u>	<u>ExtendedAmount</u>
Group 0003: Drainage						
0169	511E46610	0.490	CY	CLASS QC1 CONCRETE, HEADWALL	\$1,500.00000	\$735.00
0170	605E14000	458.000	FT	6" BASE PIPE UNDERDRAINS	\$10.79461	\$4,943.93
0171	611E00510	32.000	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	\$40.39416	\$1,292.61
0172	611E04400	144.000	FT	12" CONDUIT, TYPE B	\$84.88821	\$12,223.90
0173	611E04600	9.000	FT	12" CONDUIT, TYPE C	\$121.09372	\$1,089.84
0174	611E52204	248.000	FT	14" X 23" CONDUIT, TYPE C, 706.04	\$100.00000	\$24,800.00
0175	611E98180	1.000	EACH	CATCH BASIN, NO. 3A	\$2,869.67732	\$2,869.68
0176	611E98470	4.000	EACH	CATCH BASIN, NO. 2-2B	\$2,029.01855	\$8,116.07
0177	611E98635	5.000	EACH	CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN	\$1,500.00000	\$7,500.00
0178	611E99574	4.000	EACH	MANHOLE, NO. 3	\$4,294.27050	\$17,177.08
0179	611E99654	5.000	EACH	MANHOLE ADJUSTED TO GRADE	\$816.62083	\$4,083.10
0200	611E99710	2.000	EACH	PRECAST REINFORCED CONCRETE OUTLET	\$446.80773	\$893.62

Total for Group 0003:\$85,724.83

Group 0004: Pavement

0024	254E01000	20,195.000	SY	PAVEMENT PLANING, ASPHALT CONCRETE T=3.25"	\$3.00000	\$60,585.00
0025	301E56000	175.000	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	\$275.00000	\$48,125.00
0026	304E20001	179.000	CY	AGGREGATE BASE, AS PER PLAN	\$70.00000	\$12,530.00
0027	304E20000	384.000	CY	AGGREGATE BASE	\$69.11476	\$26,540.07
0029	407E20000	872.000	GAL	NON-TRACKING TACK COAT	\$3.33707	\$2,909.93
0034	442E22100	192.000	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (449)	\$400.00000	\$76,800.00
0044	442E22450	224.000	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE B (449)	\$300.00000	\$67,200.00

Line # Item Number**Quantity Units****Description****Supplemental Description**UnitPriceExtendedAmount

Total for Group 0004:\$294,690.00

Group 0005: Lighting

0180	625E18100 BRACKET ARM, 12'	16.000 EACH	\$800.00000	\$12,800.00
0181	625E26251 LUMINAIRE, CONVENTIONAL, AS PER PLAN , TYPE III DISTRIBUTION	16.000 EACH	\$600.00000	\$9,600.00
0182	625E32000 GROUND ROD	29.000 EACH	\$320.13752	\$9,283.99
0203	625E26253 LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN	16.000 EACH	\$800.00000	\$12,800.00

Total for Group 0005:\$44,483.99

Group 0006: Traffic Control

0085	621E00100 RPM	150.000 EACH	\$44.34658	\$6,651.99
0087	630E03100 GROUND MOUNTED SUPPORT, NO. 3 POST	1,138.920 FT	\$12.19774	\$13,892.25
0088	630E79000 SIGN HANGER ASSEMBLY, SPAN WIRE	1.000 EACH	\$527.51874	\$527.52
0089	630E79500 SIGN SUPPORT ASSEMBLY, POLE MOUNTED	13.000 EACH	\$115.20195	\$1,497.63
0090	630E80100 SIGN, FLAT SHEET	969.730 SF	\$20.33992	\$19,724.23
0091	630E84900 REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	102.000 EACH	\$20.32806	\$2,073.46
0092	630E85100 REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	4.000 EACH	\$83.02803	\$332.11
0093	630E86002 REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	107.000 EACH	\$21.32429	\$2,281.70
0094	644E00104 EDGE LINE, 6" , WHITE	0.610 MILE	\$5,137.32054	\$3,133.77
0095	644E00104 EDGE LINE, 6" , YELLOW	0.120 MILE	\$5,137.32054	\$616.48
0096	644E00204 LANE LINE, 6"	0.450 MILE	\$2,650.06085	\$1,192.53
0097	644E00300 CENTER LINE	0.460 MILE	\$7,326.81247	\$3,370.33
0098	644E00404 CHANNELIZING LINE, 12"	3,318.000 FT	\$2.10629	\$6,988.67
0100	644E00500 STOP LINE	465.000 FT	\$7.32567	\$3,406.44
0102	644E00620	1,241.000 FT	\$3.57903	\$4,441.58

<u>Line #</u>	<u>Item Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Units</u>	<u>UnitPrice</u>	<u>ExtendedAmount</u>
		<u>Supplemental Description</u>				
		CROSSWALK LINE, 12"				
0103	644E01100	SCHOOL SYMBOL MARKING, 72"	2.000	EACH	\$654.17087	\$1,308.34
0104	644E01300	LANE ARROW	27.000	EACH	\$114.33924	\$3,087.16
0105	644E01510	DOTTED LINE, 6"	92.000	FT	\$2.34938	\$216.14
0109	644E01630	BIKE LANE SYMBOL MARKING	11.000	EACH	\$367.07675	\$4,037.84
Total for Group 0006:						\$78,780.17

Group 0007: Signals

0113	625E25400	CONDUIT, 2", 725.04	366.000	FT	\$21.03627	\$7,699.27
0114	625E25500	CONDUIT, 3", 725.04	112.000	FT	\$27.62742	\$3,094.27
0115	625E25600	CONDUIT, 4", 725.04	101.000	FT	\$49.12838	\$4,961.97
0116	625E25902	CONDUIT, JACKED OR DRILLED, 725.04, 2"	134.000	FT	\$58.64000	\$7,857.76
0118	625E29000	TRENCH	478.000	FT	\$10.42438	\$4,982.85
0119	625E30700	PULL BOX, 725.08, 18"	6.000	EACH	\$1,025.17724	\$6,151.06
0120	625E30706	PULL BOX, 725.08, 24"	4.000	EACH	\$1,269.05031	\$5,076.20
0121	625E76000	ARC FLASH CALCULATIONS AND LABEL	4.000	EACH	\$1,614.28456	\$6,457.14
0122	632E05006	VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, PO LYCARBONATE	23.000	EACH	\$908.76913	\$20,901.69
0123	632E05064	VEHICULAR SIGNAL HEAD, (LED), 4-SECTION, 12" LENS, 1-WAY, PO LYCARBONATE	2.000	EACH	\$1,169.03000	\$2,338.06
0124	632E05086	VEHICULAR SIGNAL HEAD, (LED), 5-SECTION, 12" LENS, 1-WAY, PO LYCARBONATE	11.000	EACH	\$1,434.67042	\$15,781.37
0125	632E20731	PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, AS PER PLA N	20.000	EACH	\$575.00000	\$11,500.00
0126	632E25000	COVERING OF VEHICULAR SIGNAL HEAD	36.000	EACH	\$40.03037	\$1,441.09
0127	632E25010	COVERING OF PEDESTRIAN SIGNAL HEAD	20.000	EACH	\$30.96661	\$619.33
0128	632E26000	PEDESTRIAN PUSHBUTTON	4.000	EACH	\$272.90822	\$1,091.63
0129	632E42300	SIGNAL CABLE, 3 CONDUCTOR, NO. 12 AWG	2,133.000	FT	\$3.00000	\$6,399.00

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Description</u> <u>Supplemental Description</u>	<u>UnitPrice</u>	<u>ExtendedAmount</u>
0130	632E40500	4,221.000	FT	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	\$2.70739	\$11,427.89
0131	632E40700	4,112.000	FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	\$3.56906	\$14,675.97
0132	632E64010	16.000	EACH	SIGNAL SUPPORT FOUNDATION	\$4,963.01036	\$79,408.17
0133	632E64020	5.000	EACH	PEDESTAL FOUNDATION	\$1,211.20310	\$6,056.02
0134	632E64950	8.000	EACH	TEST HOLE PERFORMED	\$1,044.44117	\$8,355.53
0135	632E65200	1,244.000	FT	LOOP DETECTOR LEAD-IN CABLE	\$1.47636	\$1,836.59
0136	632E69800	471.000	FT	SERVICE CABLE, 3 CONDUCTOR, NO. 6 AWG	\$4.52070	\$2,129.25
0137	632E70000	4.000	EACH	POWER SERVICE	\$2,394.17344	\$9,576.69
0138	632E70400	4.000	EACH	CONDUIT RISER, 2" DIAMETER	\$852.56842	\$3,410.27
0139	632E87140	8.000	EACH	COMBINATION STRAIN POLE, TYPE TC-81.11, DESIGN 12	\$9,193.65000	\$73,549.20
0140	632E87150	8.000	EACH	COMBINATION STRAIN POLE, TYPE TC-81.11, DESIGN 13	\$9,969.09000	\$79,752.72
0141	632E89802	4.000	EACH	PEDESTAL, 5', TRANSFORMER BASE	\$800.00000	\$3,200.00
0142	632E90102	4.000	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION	\$1,905.00000	\$7,620.00
0144	632E30400	1,518.000	FT	MESSENGER WIRE, 7 STRAND, 1/2" DIAMETER WITH ACCESSORIES	\$16.50000	\$25,047.00
0145	632E30600	1,518.000	FT	TETHER WIRE, WITH ACCESSORIES	\$14.50000	\$22,011.00
0146	633E65511	4.000	EACH	CABINET, TYPE TS-2, AS PER PLAN	\$14,000.00000	\$56,000.00
0147	633E67100	4.000	EACH	CABINET FOUNDATION	\$2,338.03068	\$9,352.12
0148	633E67200	4.000	EACH	CONTROLLER WORK PAD	\$729.83709	\$2,919.35
0150	633E75001	4.000	EACH	UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN	\$8,000.00000	\$32,000.00
0151	809E64550	232.000	FT	ETHERNET CABLE, OUTDOOR-RATED	\$2.75382	\$638.89
0152	809E65990	3.000	EACH	ITS DEVICE, MISC.: 32" ITS PULL BOX w/ PAD & STANDARD LID ASSEMBLY, TYPE 2	\$3,800.00000	\$11,400.00
0153	809E65990	4.000	EACH		\$1,000.00000	\$4,000.00

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Description</u> <u>Supplemental Description</u>	<u>UnitPrice</u>	<u>ExtendedAmount</u>
	ITS DEVICE, MISC.: RELOCATE EXISTING COMMUNICATIONS					
0154	809E69001	8.000	EACH	ADVANCE RADAR DETECTION, AS PER PLAN	\$8,500.00000	\$68,000.00
0155	809E69101	12.000	EACH	STOP LINE RADAR DETECTION, AS PER PLAN	\$8,500.00000	\$102,000.00
0156	809E69123	4.000	EACH	ATC CONTROLLER, AS PER PLAN	\$4,500.00000	\$18,000.00
0157	809E70000	1.000	LS	MAINTAINING ITS DURING CONSTRUCTION	\$10,000.00000	\$10,000.00
Total for Group 0007:						\$768,719.35

Group 0008: Retaining Walls

0201	622E10121	290.000	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE C, AS PER PLAN	\$564.64000	\$163,745.60
Total for Group 0008:						\$163,745.60

Group 0009: Maintenance of Traffic

0183	614E12380	1.000	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)	\$3,073.56523	\$3,073.57
0184	614E12384	8.000	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	\$2,836.92329	\$22,695.39
0185	614E13310	65.000	EACH	BARRIER REFLECTOR, TYPE 1	\$12.28310	\$798.40
0186	614E13350	65.000	EACH	OBJECT MARKER, ONE WAY	\$21.42858	\$1,392.86
0187	614E20110	0.240	MILE	WORK ZONE LANE LINE, CLASS I, 6", 642 PAINT	\$854.06649	\$204.98
0188	614E21100	0.100	MILE	WORK ZONE CENTER LINE, CLASS I, 642 PAINT	\$2,007.37553	\$200.74
0189	614E22100	0.470	MILE	WORK ZONE EDGE LINE, CLASS I, 4", 642 PAINT	\$1,157.48133	\$544.02
0190	614E23200	440.000	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	\$0.87937	\$386.92
0191	614E24200	188.000	FT	WORK ZONE DOTTED LINE, CLASS I, 4", 642 PAINT	\$1.25634	\$236.19
0192	616E10000	50.000	MGAL	WATER	\$8.03755	\$401.88
0193	622E41100	3,234.000	FT	PORTABLE BARRIER, UNANCHORED	\$18.85229	\$60,968.31
Total for Group 0009:						\$90,903.26

Group 0010: Incidentals

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Description</u> <u>Supplemental Description</u>	<u>UnitPrice</u>	<u>ExtendedAmount</u>
0065	614E11000 MAINTAINING TRAFFIC	1.000	LS		\$10,000.00000	\$10,000.00
0082	623E10000 CONSTRUCTION LAYOUT STAKES AND SURVEYING	1.000	LS		\$15,000.00000	\$15,000.00
0083	624E10000 MOBILIZATION	1.000	LS		\$40,000.00000	\$40,000.00

Total for Group 0010:\$65,000.00