

PID 117567

WAR-SR48-7.50

PRE-STAGE 1 & VALUE ENGINEERING ESTIMATE

4/21/2026



ITEM NO	ITEM CODE	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL
1	201E11000	CLEARING AND GRUBBING	LS	1	\$250,000.00	\$250,000.00
2	202E20010	HEADWALL REMOVED	EACH	12	\$992.40	\$11,908.80
3	202E23000	PAVEMENT REMOVED	SY	26,597	\$18.23	\$484,863.31
4	202E30000	WALK REMOVED	SF	2,023	\$4.15	\$8,395.45
5	202E32000	CURB REMOVED	FT	642	\$9.50	\$6,099.00
6	202E32500	CURB AND GUTTER REMOVED	FT	953	\$15.51	\$14,781.03
7	202E35100	PIPE REMOVED, 24" DIAMETER AND UNDER	FT	687	\$37.06	\$25,460.22
8	202E35200	PIPE REMOVED, OVER 24" DIAMETER	FT	200	\$58.52	\$11,704.00
9	202E38000	GUARDRAIL REMOVED	FT	3,314	\$3.23	\$10,704.22
10	202E42040	ANCHOR ASSEMBLY REMOVED, TYPE T	EACH	4	\$103.54	\$414.16
11	202E58000	MANHOLE REMOVED	EACH	6	\$1,622.28	\$9,733.68
12	202E58100	CATCH BASIN REMOVED	EACH	4	\$793.51	\$3,174.04
13	202E58200	INLET REMOVED	EACH	4	\$1,602.00	\$6,408.00
14	203E10000	EXCAVATION	CY	20,721	\$26.54	\$549,935.34
15	203E20000	EMBANKMENT	CY	43,505	\$16.60	\$722,183.00
16	204E45000	PROOF ROLLING	HOURL	5	\$266.57	\$1,332.85
17	206E15010	CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP	SY	41,811	\$6.64	\$277,625.04
18	301E56000	ASPHALT CONCRETE BASE, PG64-22, (449)	CY	10,566	\$235.78	\$2,491,251.48
19	304E20000	AGGREGATE BASE	CY	8,468	\$77.21	\$653,814.28
20	407E20000	NON-TRACKING TACK COAT	GAL	105,765	\$4.41	\$466,423.65
21	442E10000	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A	CY	3,330	\$258.26	\$860,005.80
22	442E10080	ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM,	CY	3,959	\$253.95	\$1,005,388.05
23	452E12011	8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P,	SY	547	\$131.20	\$71,766.40
24	452E13010	9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	SY	2,743	\$318.11	\$872,575.73
25	511E46610	CLASS QC1 CONCRETE, HEADWALL	CY	9	\$5,155.00	\$44,333.00
26	518E12200	SCUPPERS, INCLUDING SUPPORTS	EACH	12	\$1,280.00	\$15,360.00
27	530E00200	SPECIAL - STRUCTURES: SB SR-48 OVER LITTLE MIAMI RIVER	LS	1	\$15,838,145.67	\$15,838,145.67
28	530E00200	SPECIAL - STRUCTURES: SB SR-48 OVER TURTLE CREEK	LS	1	\$2,413,260.00	\$2,413,260.00

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ITEM NO	ITEM CODE	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL
29	530E50030	SPECIAL - RETAINING WALL: WALL NO. 1	LS	1	\$4,491,600.00	\$4,491,600.00
30	530E50030	SPECIAL - RETAINING WALL: WALL NO. 2	LS	1	\$2,950,000.00	\$2,950,000.00
31	530E50030	SPECIAL - RETAINING WALL: WALL NO. 3	LS	1	\$357,175.00	\$357,175.00
32	530E50030	SPECIAL - RETAINING WALL: WALL NO. 4	LS	1	\$428,925.00	\$428,925.00
33	601E10970	RIPRAP, TYPE A	SY	16	\$450.00	\$7,200.00
34	601E35000	ROCK CHANNEL PROTECTION, MISC.: WASHED	CY	32	\$300.00	\$9,600.00
35	605E05110	4" SHALLOW PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC	FT	2,800	\$36.00	\$100,800.00
36	605E06020	4" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC	FT	11,200	\$29.00	\$324,800.00
37	606E15050	GUARDRAIL, TYPE MGS	FT	3,300	\$22.16	\$73,128.00
38	608E10000	4" CONCRETE WALK	SF	28,500	\$9.64	\$274,740.00
39	609E12000	COMBINATION CURB AND GUTTER, TYPE 2	FT	7,316	\$58.49	\$427,912.84
40	609E24510	CURB, TYPE 4-C	FT	2,377	\$51.48	\$122,367.96
41	609E26000	CURB, TYPE 6	FT	3,583	\$38.60	\$138,303.80
42	609E30001	CURB, TYPE 8, AS PER PLAN	FT	377	\$75.00	\$28,275.00
43	609E70000	4" CONCRETE MEDIAN	SY	3,000	\$80.59	\$241,770.00
44	611E05900	15" CONDUIT, TYPE B	FT	500	\$127.00	\$63,500.00
45	611E07400	18" CONDUIT, TYPE B	FT	750	\$165.00	\$123,750.00
46	611E08900	21" CONDUIT, TYPE B	FT	1,000	\$140.00	\$140,000.00
47	611E10200	24" CONDUIT, TYPE A	FT	80	\$385.00	\$30,800.00
48	611E10400	24" CONDUIT, TYPE B	FT	1,250	\$158.00	\$197,500.00
49	611E13200	30" CONDUIT, TYPE A	FT	80	\$278.64	\$22,291.20
50	611E13400	30" CONDUIT, TYPE B	FT	1,500	\$308.46	\$462,690.00
51	611E16200	36" CONDUIT, TYPE A	FT	80	\$389.50	\$31,160.00
52	611E98150	CATCH BASIN, NO. 3	EACH	4	\$5,110.00	\$20,440.00
53	611E98180	CATCH BASIN, NO. 3A	EACH	20	\$3,820.00	\$76,400.00
54	611E98390	CATCH BASIN, NO. 7	EACH	8	\$2,500.00	\$20,000.00
55	611E99094	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE B	EACH	7	\$18,900.00	\$132,300.00
56	611E99104	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE C	EACH	4	\$17,060.00	\$68,240.00

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57	611E99114	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE D	EACH	20	\$15,455.00	\$309,100.00
58	611E99574	MANHOLE, NO. 3	EACH	8	\$6,930.00	\$55,440.00
59	614E11000	MAINTAINING TRAFFIC	LS	1	\$350,000.00	\$350,000.00
60	614E12384	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS,	EACH	6	\$1,980.00	\$11,880.00
61	614E12470	WORK ZONE SPEED LIMIT SIGN	EACH	6	\$245.00	\$1,470.00
62	614E12740	WORK ZONE LIGHTING SYSTEM	EACH	2	\$50,000.00	\$100,000.00
63	614E21000	WORK ZONE CENTER LINE, CLASS I	MILE	5	\$1,880.00	\$8,460.00
64	614E22010	WORK ZONE EDGE LINE, CLASS I, 6"	MILE	9	\$1,560.00	\$14,040.00
65	614E23000	WORK ZONE CHANNELIZING LINE, CLASS I, 8"	FT	4,800	\$1.18	\$5,664.00
66	614E26000	WORK ZONE STOP LINE, CLASS I	FT	576	\$3.32	\$1,912.32
67	614E30000	WORK ZONE ARROW, CLASS I	EACH	24	\$35.00	\$840.00
68	622E10140	CONCRETE BARRIER, SINGLE SLOPE, TYPE C1	FT	3,170	\$211.47	\$670,359.90
69	622E10160	CONCRETE BARRIER, SINGLE SLOPE, TYPE D	FT	2,170	\$127.57	\$276,826.90
70	622E41100	PORTABLE BARRIER, UNANCHORED	FT	8,000	\$45.00	\$360,000.00
71	632E90300	SIGNALIZATION, MISC.: SR-48 & MMM	LS	1	\$200,000.00	\$200,000.00
72	638E98100	WATER WORK, MISC.: LMR BRIDGE WATER LINE RELO	LS	1	\$100,000.00	\$100,000.00
73	659E00500	SEEDING AND MULCHING, CLASS 1	SY	97,266	\$2.64	\$256,782.24

NOTE: SEE ATTACHED FOR SEPARATE BRIDGE ESTIMATE BREAKOUTS

ITEM SUBTOTAL		\$41,215,490.36
CONTINGENCY	30.00%	\$12,364,647.11
2026 CONSTRUCTION ESTIMATE		\$53,580,137.47
INFLATION (FROM ODOT INFLATION ADJUSTEMENT CALCULATOR)	16.20%	\$8,679,982.27
2029 CONSTRUCTION ESTIMATE		\$62,260,119.74

DESCRIPTION:

Summary of Estimated Bridge Quantities.

QUANTITIES - BRIDGE TOTALS

Item Code	Column1	Bid Item	Unit	Abutment #1	Pier #1	Pier #2	Pier #3	Pier #4	Abutment #2	Superstructure	Total	Unit2	Unit3	Unit Price	Cost
503E11100	503E	COFFERDAMS AND EXCAVATION BRACING	LS				236,640	234,776			471,416.23	LS	Ad Hoc	\$ 1.00	\$ 471,416.23
503E21100	503E	UNCLASSIFIED EXCAVATION	CYD	548	695	748	742	750	335		3,818.00	CYD	Estimator	\$ 53.00	\$ 202,354.00
505E11100	505E	PILE DRIVING EQUIPMENT MOBILIZATION	LS		1,000	1,000	1,000	1,000	1,000		5.00	LS	Ad Hoc	\$ 20,000.00	\$ 100,000.00
507E00360	507E	STEEL PILES HP14X89, FURNISHED	LF	0	1,620	1,470	1,470	900	900		6,360.00	LF	BDTs	\$ 100.00	\$ 636,000.00
507E00364	507E	STEEL PILES HP14X89, DRIVEN	LF	0.0	1,440.0	1,260.0	1,260.0	720.0	810.0		5,490.00	LF	BDTs	\$ 50.00	\$ 274,500.00
507E93300	507E	STEEL POINTS OR SHOES	EACH	0.0	36.0	42.0	42.0	36.0	18.0		174.00	EACH	Estimator	\$ 340.00	\$ 59,160.00
509E10000	509E	EPOXY COATED STEEL REINFORCEMENT	LBS	34,403	132,578	141,405	134,420	115,445	34,403	241,308	833,961.50	LBS	Estimator	\$ 1.75	\$ 1,459,432.63
511E34446	511E	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK	CYD							1,379	1,378.90	CYD	Estimator	\$ 1,100.00	\$ 1,516,790.00
511E45602	511E	CLASS QC4 MASS CONCRETE, SUBSTRUCTURE WITH QC/QA	CYD		482	514.2	488.8	419.8			1,904.90	CYD	BDTs	\$ 1,250.00	\$ 2,381,125.00
511E43512	511E	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT INCLUDING FOOTING	CYD	152.9					152.9		305.80	CYD	Estimator	\$ 1,250.00	\$ 382,250.00
511E34448	511E	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)	CYD							313	313.10	CYD	Estimator	\$ 1,250.00	\$ 391,375.00
512E10000	512E	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	SYD	111	386	365	322	280	111	2,203	3,775.81	SYD	Estimator	\$ 15.00	\$ 56,637.11
513E10001	513E	STRUCTURAL STEEL MEMBERS, MODULAR EXP. JT, LEVEL UF, AS PER PL	LS (using FT)							83	82.70	LS (using FT)	BDTs	\$ 750.00	\$ 62,025.00
513E10280	513E	STRUCTURAL STEEL MEMBERS, LEVEL 4	LS (using lbs)							2,112,000	2,112,000.00	LS (using lbs)	Estimator	\$ 2.95	\$ 6,230,400.00
513E20000	513E	WELDED STUD SHEAR CONNECTORS	EACH							10,560	10,560.00	EACH	Estimator	\$ 5.00	\$ 52,800.00
514E00060	514E	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT	SF							136,998	136,998.00	SF	Estimator	\$ 6.00	\$ 821,988.00
514E00066	514E	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT	SF							136,998	136,998.00	SF	Ad Hoc	\$ 2.50	\$ 342,495.00
518E12200	518E	SCUPPERS, INCLUDING SUPPORTS	EACH							20	20.00	EACH	Ad Hoc	\$ 2,500.00	\$ 50,000.00
518E21200	518E	POROUS BACKFILL WITH GEOTEXTILE FABRIC	CYD	55.0					55.0		110.00	SYD	Estimator	\$ 134.00	\$ 14,740.00
526E25010	526E	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15")	SYD							230	229.70	SYD	Estimator	\$ 441.00	\$ 101,297.70
526E90030	526E	TYPE C INSTALLATION	LF							83	83.00	LF	Estimator	\$ 300.00	\$ 24,900.00
601E20000	601E	CRUSHED AGGREGATE SLOPE PROTECTION	SYD							3,123	3,123.00	SYD	Estimator	\$ 20.00	\$ 62,460.00
869E00100	869E	HIGH LOAD MULTI-ROTATIONAL (HLMR) BEARINGS	EACH							24.000	24.00	EACH	Ad Hoc	\$ 6,000.00	\$ 144,000.00

	\$ -
Total	\$ 15,838,145.67
with Inflation	\$ 17,787,675.39
Contingency	30%
Final Cost	\$ 23,123,978.01

Cost per SQFT \$ 371.30
2029 mid-point

Deck Area	42,656.000	SQFT
Cost per Area	\$ 542.10	/ SQFT

SR48 over Turtle Creek
WAR-48-0898
Stage 1 - STRUCTURE CONSTRUCTION COST ESTIMATE

ITEM	ITEM EXTENSION	ITEM DESCRIPTION	TOTAL QUANTITY	UNIT	2025 UNIT PRICE	TOTAL 2025 CONSTRUCTION COST
202	11201	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	1	LUMP	\$25,000.00	\$25,000
503	21301	UNCLASSIFIED EXCAVATION, AS PER PLAN	1	LUMP	\$26,000.00	\$26,000
505	11100	PILE DRIVING EQUIPMENT MOBILIZATION	1	LUMP	\$45,000.00	\$45,000
507	00200	STEEL PILES HP12X53, FURNISHED	2200	FT	\$51.00	\$112,200
507	00250	STEEL PILES HP12X53, DRIVEN	2000	FT	\$21.00	\$42,000
509	26000	GALVANIZED STEEL REINFORCEMENT	97800	POUN	\$1.93	\$188,750
509	30020	NO. 4 GFRP DEFORMED BARS	4460	FT	\$1.63	\$7,270
511	33500	SEMI-INTEGRAL DIAPHRAGM GUIDE	2	EACH	\$4,780.00	\$9,560
511	34446	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK	300	CU YD	\$1,048.00	\$314,400
511	34450	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)	50	CU YD	\$825.00	\$41,250
511	44112	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTING	60	CU YD	\$1,250.00	\$75,000
511	46012	CLASS QC1 CONCRETE WITH QC/QA, RETAINING/WINGWALL NOT INCLUDING FOOTING	60	CU YD	\$1,160.00	\$69,600
511	46512	CLASS QC1 CONCRETE WITH QC/QA, FOOTING	100	CU YD	\$642.00	\$64,200
512	10100	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	580	SQ YD	\$34.00	\$19,720
513	10280	STRUCTURAL STEEL MEMBERS, LEVEL 4	319750	POUN	\$3.40	\$1,087,150
513	20000	WELDED STUD SHEAR CONNECTORS	944	EACH	\$5.00	\$4,720
514	00060	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT	1720	SQ FT	\$3.80	\$6,540
514	00066	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT	1720	SQ FT	\$3.00	\$5,160
516	14020	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL	91	FT	\$39.00	\$3,550
516	44101	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN	8	EACH	\$2,400.00	\$19,200
518	21200	POROUS BACKFILL WITH GEOTEXTILE FABRIC	140	CU YD	\$138.00	\$19,320
526	30011	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17"), AS PER PLAN	310	SQ YD	\$450.00	\$139,500
526	90030	TYPE C INSTALLATION	91	FT	\$350.00	\$31,850
601	32104	ROCK CHANNEL PROTECTION, TYPE B WITH GEOTEXTILE FABRIC	352	CY	\$160.00	\$56,320
					Subtotal:	\$2,413,260
			Contingency %:		0%	\$0
			TOTAL COST:			\$2,413,260

STRUCTURE DESCRIPTION:

Assumed Annual Inflation (%) 0.0%

Unit Price Basis Year: 2025

Assumed Construction Year: 2025