

Estimate WAR-S RIVER

Estimated Cost:\$543,301.36

Contingency: 9.40%

Estimated Total: \$594,371.69

PID: 115153
STAGE 3
SPEC YEAR: 23

Base Date: 06/07/24

Spec Year:

Unit System: E

Work Type: SIGNALIZATION ITEMS

Highway Type:

Urban/Rural Type: URBAN CLASS

Season: SUMMER

County: WARREN

Latitude of Midpoint: 393329

Longitude of Midpoint: -841824

District: 08

Federal/State Project Number: E210267

Prepared by Mead & Hunt on 06/07/24

<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

0005	201E11000 CLEARING AND GRUBBING	1.00	LS	\$5,000.00000	\$5,000.00
0006	202E23000 PAVEMENT REMOVED	5.00	SY	\$9.17384	\$45.87
0007	202E30000 WALK REMOVED	769.00	SF	\$13.52888	\$10,403.71
0008	202E32000 CURB REMOVED	83.00	FT	\$30.18055	\$2,504.99
0009	202E32001 CURB REMOVED, AS PER PLAN	2.00	FT	\$30.18055	\$60.36
0010	608E10000 4" CONCRETE WALK	336.00	SF	\$18.41062	\$6,185.97
0011	608E52001 CURB RAMP, AS PER PLAN	481.00	SF	\$50.00000	\$24,050.00

Total for Group 0100:\$48,250.90

Group 0200: EROSION CONTROL

0012	601E20001 CRUSHED AGGREGATE SLOPE PROTECTION, AS PER PLAN	9.00	SY	\$25.00000	\$225.00
0013	659E00300 TOPSOIL	4.00	CY	\$148.82167	\$595.29
0014	659E10000 SEEDING AND MULCHING	30.00	SY	\$15.03576	\$451.07
0015	659E14000 REPAIR SEEDING AND MULCHING	2.00	SY	\$2.59789	\$5.20
0016	659E15000 INTER-SEEDING	2.00	SY	\$0.93532	\$1.87
0017	659E20000 COMMERCIAL FERTILIZER	0.01	TON	\$2,047.17114	\$20.47
0018	659E31000 LIME	0.01	ACRE	\$477.58946	\$4.78
0019	659E35000 WATER	1.00	MGAL	\$8.99295	\$8.99
0020	832E30000 EROSION CONTROL	5,000.00	EACH	\$1.00000	\$5,000.00

Total for Group 0200:\$6,312.67

Group 0300: PAVEMENT

<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>					
0021	452E09010	5.00	SY	\$150.00000	\$750.00
4" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P					
0022	609E24510	54.00	FT	\$30.41962	\$1,642.66
CURB, TYPE 4-C					
0023	609E26000	20.00	FT	\$68.79817	\$1,375.96
CURB, TYPE 6					

Total for Group 0300:\$3,768.62

Group 0500: TRAFFIC CONTROL

0024	630E03100	52.00	FT	\$17.58066	\$914.19
GROUND MOUNTED SUPPORT, NO. 3 POST					
0025	630E79101	5.00	EACH	\$400.00000	\$2,000.00
SIGN HANGER ASSEMBLY, MAST ARM, AS PER PLAN					
0026	630E80100	34.00	SF	\$25.47246	\$866.06
SIGN, FLAT SHEET					
0027	630E84900	18.00	EACH	\$12.74594	\$229.43
REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL					
0028	630E86002	10.00	EACH	\$19.97580	\$199.76
REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL					
0029	631E90501	5.00	EACH	\$4,500.00000	\$22,500.00
INTERNALLY ILLUMINATED FIXED MESSAGE SIGN, AS PER PLAN					
0030	642E30000	873.00	FT	\$0.89694	\$783.03
REMOVAL OF PAVEMENT MARKING					
0031	642E30020	2.00	EACH	\$159.46848	\$318.94
REMOVAL OF PAVEMENT MARKING					
0032	644E00104	0.02	MILE	\$4,001.69833	\$80.03
EDGE LINE, 6"					
0033	644E00300	0.13	MILE	\$8,882.61987	\$1,154.74
CENTER LINE ,DOUBLE SOLID YELLOW					
0034	644E00500	63.00	FT	\$10.27951	\$647.61
STOP LINE					
0035	644E00620	265.00	FT	\$4.83631	\$1,281.62
CROSSWALK LINE, 12"					
0036	644E01000	2.00	EACH	\$644.60722	\$1,289.21
RAILROAD SYMBOL MARKING					
0037	644E01510	114.00	FT	\$2.67548	\$305.00
DOTTED LINE, 6" , YELLOW					

Total for Group 0500:\$32,569.62

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<u>Description</u>					
<u>Supplemental Description</u>					
Group 0600: TRAFFIC SIGNALS					
0038	611E00400 4" CONDUIT, TYPE E	100.00	FT	\$8.81316	\$881.32
0039	625E25604 CONDUIT, 4", 725.051	132.00	FT	\$18.16124	\$2,397.28
0040	625E25906 CONDUIT, JACKED OR DRILLED, 725.051 , 4"	331.00	FT	\$55.00000	\$18,205.00
0041	625E29000 TRENCH	101.00	FT	\$11.65385	\$1,177.04
0042	625E30700 PULL BOX, 725.08, 18"	4.00	EACH	\$1,077.35181	\$4,309.41
0043	625E30706 PULL BOX, 725.08, 24"	2.00	EACH	\$1,273.80986	\$2,547.62
0044	625E32000 GROUND ROD	10.00	EACH	\$356.47742	\$3,564.77
0045	625E36010 UNDERGROUND WARNING/MARKING TAPE	101.00	FT	\$1.61606	\$163.22
0046	625E76000 ARC FLASH CALCULATIONS AND LABEL - (SIGNAL CONTROLLER)	2.00	EACH	\$1,696.16411	\$3,392.33
0047	632E05006 VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE	10.00	EACH	\$927.39756	\$9,273.98
0048	632E05064 VEHICULAR SIGNAL HEAD, (LED), 4-SECTION, 12" LENS, 1-WAY, POLYCARBONATE	1.00	EACH	\$1,300.00000	\$1,300.00
0049	632E05086 VEHICULAR SIGNAL HEAD, (LED), 5-SECTION, 12" LENS, 1-WAY, POLYCARBONATE	3.00	EACH	\$1,491.64084	\$4,474.92
0050	632E20731 PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, AS PER PLAN	11.00	EACH	\$850.00000	\$9,350.00
0051	632E20750 ACCESSIBLE PEDESTRIAN PUSHBUTTON	6.00	EACH	\$854.24022	\$5,125.44
0052	632E25000 COVERING OF VEHICULAR SIGNAL HEAD	18.00	EACH	\$51.24803	\$922.46
0053	632E25010 COVERING OF PEDESTRIAN SIGNAL HEAD	12.00	EACH	\$35.93607	\$431.23
0054	632E28200 DISCONNECT SWITCH WITH ENCLOSURE	2.00	EACH	\$1,600.00000	\$3,200.00
0055	632E40500 SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	1,835.00	FT	\$2.90495	\$5,330.58
0056	632E40700 SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	548.00	FT	\$4.00000	\$2,192.00

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<u>Supplemental Description</u>					
0057	632E64010 SIGNAL SUPPORT FOUNDATION	3.00	EACH	\$6,551.73536	\$19,655.21
0058	632E64020 PEDESTAL FOUNDATION	1.00	EACH	\$820.18802	\$820.19
0059	632E65300 LOOP DETECTOR LEAD-IN CABLE, 2 CONDUCTOR, NO. 14 AWG	859.00	FT	\$2.03159	\$1,745.14
0060	632E69200 POWER CABLE, 2 CONDUCTOR, NO. 4 AWG	59.00	FT	\$6.30674	\$372.10
0061	632E69900 SERVICE CABLE, 3 CONDUCTOR, NO. 4 AWG	180.00	FT	\$8.92999	\$1,607.40
0062	632E70000 POWER SERVICE	2.00	EACH	\$2,276.34711	\$4,552.69
0063	632E71100 SIGNAL SUPPORT, TYPE TC-12.31, DESIGN 6	2.00	EACH	\$25,000.00000	\$50,000.00
0064	632E72100 SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 2	2.00	EACH	\$8,000.00000	\$16,000.00
0065	632E72110 SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 4	1.00	EACH	\$14,413.27738	\$14,413.28
0066	632E90000 PEDESTAL, 11', TRANSFORMER BASE	2.00	EACH	\$1,100.00000	\$2,200.00
0067	632E90100 REMOVAL OF TRAFFIC SIGNAL INSTALLATION	1.00	EACH	\$5,259.38806	\$5,259.39
0068	633E65521 CABINET, TYPE 332, AS PER PLAN	2.00	EACH	\$12,000.00000	\$24,000.00
0069	633E67101 CABINET FOUNDATION, AS PER PLAN	2.00	EACH	\$3,500.00000	\$7,000.00
0070	633E75001 UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN	1.00	EACH	\$6,500.00000	\$6,500.00
0071	809E64500 HIGH-SPEED ETHERNET RADIO	2.00	EACH	\$7,000.00000	\$14,000.00
0072	809E64550 ETHERNET CABLE, OUTDOOR-RATED	120.00	FT	\$2.39278	\$287.13
0073	809E69101 STOP LINE RADAR DETECTION, AS PER PLAN	4.00	EACH	\$8,000.00000	\$32,000.00
0074	809E69123 ATC CONTROLLER, AS PER PLAN , (V6.24)	2.00	EACH	\$25,000.00000	\$50,000.00
0075	819E10000 RAILROAD PREEMPTION INTERFACE , (LOCATE ON PROP. SIGNAL SP-1)	2.00	EACH	\$6,500.00000	\$13,000.00

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0076	828E00100	2.00	EACH	\$5,049.03205	\$10,098.06
	LED BLANKOUT SIGN , ("NO RIGHT TURN -TRAIN", 30"x24"x5.5")				

Total for Group 0600:\$351,749.19

Group 0700: MAINTENANCE OF TRAFFIC

0077	614E11110	48.00	HOURL	\$92.77650	\$4,453.27
	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE				
0078	616E10000	1.00	MGAL	\$197.08922	\$197.09
	WATER				
0079	900E11000	5,000.00	EACH	\$1.00000	\$5,000.00
	SPECIAL - RAILROAD FLAGGING SERVICES				

Total for Group 0700:\$9,650.36

Group 0800: INCIDENTALS

0080	614E11000	1.00	LS	\$50,000.00000	\$50,000.00
	MAINTAINING TRAFFIC				
0081	623E10000	1.00	LS	\$5,000.00000	\$5,000.00
	CONSTRUCTION LAYOUT STAKES AND SURVEYING				
0082	624E10000	1.00	LS	\$10,000.00000	\$10,000.00
	MOBILIZATION				
0083	990E30000	1.00	LS	\$26,000.00000	\$26,000.00
	AGREED LUMP SUM 5% CONTINGENCY				

Total for Group 0800:\$91,000.00