

PRELIMINARY PROJECT ESTIMATE: V18 (ALTA VISTA SOUTH CITY LIMITS TO ELMA MAIN ST.)

DATE OF ESTIMATE 4/6/2023

ESTIMATE TO BE USED FOR IJIA RURAL GRANT SUBMITTAL

ESTIMATE PREPARED BY: Roman Lensing (Chickasaw County Engineer) & Lindsay Erdman (Erdman Engineering)

NO.	ITEM NO.	DESCRIPTION	UNIT	QUANTITY					\$/UNIT	COST					
				CITY OF ALTA VISTA	CHICKASAW COUNTY (IN ALTA VISTA)	CHICKASAW COUNTY (COUNTY ONLY)	HOWARD COUNTY & CITY OF ELMA	TOTAL		CITY OF ALTA VISTA	CHICKASAW COUNTY (IN ALTA VISTA)	CHICKASAW COUNTY (COUNTY ONLY)	HOWARD COUNTY & CITY OF ELMA	TOTAL	
1	2102-2710090	EXC, CLASS 10, WASTE	CY	1,900.00	1,400.00	641.01	818.90	4,759.91	\$17.25	\$32,775.00	\$24,150.00	\$11,057.42	\$14,126.03	\$82,108.45	
2	2102-2712015	EXC, CLASS 12, BOULDERS OR ROCK FRAGMENTS	CY	0.00	0.00	12.50	12.50	25.00	\$115.00	\$0.00	\$0.00	\$1,437.50	\$1,437.50	\$2,875.00	
3	2105-8425015	TOPSOIL, STRIP, SALVAGE AND SPREAD	CY	853.00	0.00	0.00	0.00	853.00	\$17.25	\$14,714.25	\$0.00	\$0.00	\$0.00	\$14,714.25	
4	2113-0001000	SUBGRADE STABILIZATION MATERIAL, CEMENT	SY	3,650.00	8,518.00	0.00	0.00	12,168.00	\$11.50	\$41,975.00	\$97,957.00	\$0.00	\$0.00	\$139,932.00	
5	2115-0100000	MODIFIED SUBBASE	CY	1,859.00	1,369.00	452.66	573.79	4,254.45	\$52.00	\$96,668.00	\$71,188.00	\$23,538.32	\$29,837.08	\$221,231.40	
6	2121-7425020	GRANULAR SHOULDERS, TYPE B	TON	700.00	0.00	3,552.79	4,132.92	8,385.71	\$28.75	\$20,125.00	\$0.00	\$102,142.71	\$118,821.45	\$241,089.16	
7	2122-5190006	PAVED SHOULDER, P.C. CONCRETE, 6 IN.	SY	1,340.00	0.00	0.00	0.00	1,340.00	\$80.50	\$107,870.00	\$0.00	\$0.00	\$0.00	\$107,870.00	
8	2122-5190009	PAVED SHOULDER, P.C. CONCRETE, 9 IN.	SY	300.00	0.00	0.00	0.00	300.00	\$97.75	\$29,325.00	\$0.00	\$0.00	\$0.00	\$29,325.00	
9	2213-2713300	EXCAVATION, CLASS 13, FOR WIDENING	CY	0.00	0.00	625.69	737.48	1,363.17	\$26.45	\$0.00	\$0.00	\$16,549.50	\$19,506.35	\$36,055.85	
10	2301-1033090	STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS C, CLASS 3 DURABILITY, 9 IN.	SY	5,280.00	8,213.00	2,575.92	3,183.94	19,252.86	\$80.50	\$425,040.00	\$661,146.50	\$207,361.56	\$256,307.17	\$1,549,855.23	
11	2301-9091000	RUMBLE STRIP PANEL (PCC SURFACE)	EA	0.00	0.00	2.00	0.00	2.00	\$172.50	\$0.00	\$0.00	\$345.00	\$0.00	\$345.00	
12	2310-5151040	PCC OVERLAY, FURNISH ONLY	CY	0.00	0.00	5,840.97	6,884.42	12,725.39	\$132.25	\$0.00	\$0.00	\$772,468.28	\$910,464.55	\$1,682,932.83	
13	2310-5151045	PCC OVERLAY, PLACEMENT ONLY	SY	0.00	0.00	25,418.90	29,959.80	55,378.70	\$6.90	\$0.00	\$0.00	\$175,390.41	\$206,722.62	\$382,113.03	
14	2310-8300550	PAVEMENT INTERLAYER GEOTEXTILE	SY	0.00	0.00	21,508.30	0.00	21,508.30	\$4.00	\$0.00	\$0.00	\$86,033.20	\$0.00	\$86,033.20	
15	2401-6745910	REMOVAL OF SIGN	EA	0.00	0.00	1.00	0.00	1.00	\$178.25	\$0.00	\$0.00	\$178.25	\$0.00	\$178.25	
16	2435-0250100	INTAKE, SW-501	EA	8.00	0.00	0.00	0.00	8.00	\$4,600.00	\$36,800.00	\$0.00	\$0.00	\$0.00	\$36,800.00	
17	2435-0250700	INTAKE, SW-507	EA	3.00	0.00	0.00	0.00	3.00	\$5,750.00	\$17,250.00	\$0.00	\$0.00	\$0.00	\$17,250.00	
18	2435-0700020	CONNECTION TO EXISTING INTAKE	EA	12.00	0.00	0.00	0.00	12.00	\$1,725.00	\$20,700.00	\$0.00	\$0.00	\$0.00	\$20,700.00	
19	2502-8212034	SUBDRAIN, LONGITUDINAL, (SHOULDER) 4 IN. DIA.	LF	3,980.00	2,740.00	18,550.10	20,741.40	46,011.50	\$7.50	\$29,850.00	\$20,550.00	\$139,125.75	\$155,560.50	\$345,086.25	
20	2502-8225010	SUBDRAIN OUTLET, 500-10	EA	0.00	0.00	39.00	39.00	78.00	\$258.75	\$0.00	\$0.00	\$10,091.25	\$10,091.25	\$20,182.50	
21	2503-0114218	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D STORM, 18 IN. DIA.	LF	790.00	0.00	0.00	0.00	790.00	\$97.75	\$77,222.50	\$0.00	\$0.00	\$0.00	\$77,222.50	
22	2503-0114242	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D STORM, 42 IN. DIA.	LF	350.00	0.00	0.00	0.00	350.00	\$310.50	\$108,675.00	\$0.00	\$0.00	\$0.00	\$108,675.00	
23	2503-0200036	REMOVAL OF STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN. DIA.	LF	740.00	0.00	0.00	0.00	740.00	\$28.75	\$21,275.00	\$0.00	\$0.00	\$0.00	\$21,275.00	
24	2507-6800042	REVTMENT, CLASS D	TON	100.00	0.00	0.00	0.00	100.00	\$69.00	\$6,900.00	\$0.00	\$0.00	\$0.00	\$6,900.00	
25	2510-6745850	REMOVAL OF PAVEMENT	SY	6,217.00	8,213.00	2,111.78	2,437.84	18,979.62	\$13.25	\$82,375.25	\$108,822.25	\$27,981.09	\$32,301.38	\$251,479.97	
26	2510-6750600	REMOVAL OF INTAKES AND UTILITY ACCESS	EA	9.00	0.00	0.00	0.00	9.00	\$1,150.00	\$10,350.00	\$0.00	\$0.00	\$0.00	\$10,350.00	
27	2511-6745900	REMOVAL OF SIDEWALK	SY	2,000.00	0.00	0.00	0.00	2,000.00	\$17.25	\$34,500.00	\$0.00	\$0.00	\$0.00	\$34,500.00	
28	2511-7526004	SIDEWALK, P.C. CONCRETE, 4 IN.	SY	1,234.00	0.00	0.00	0.00	1,234.00	\$74.75	\$92,241.50	\$0.00	\$0.00	\$0.00	\$92,241.50	
29	2511-7526006	SIDEWALK, P.C. CONCRETE, 6 IN.	SY	766.00	0.00	0.00	0.00	766.00	\$86.25	\$66,067.50	\$0.00	\$0.00	\$0.00	\$66,067.50	
30	2511-7528101	DETECTABLE WARNING	SF	160.00	0.00	0.00	0.00	160.00	\$57.50	\$9,200.00	\$0.00	\$0.00	\$0.00	\$9,200.00	
31	2515-2475008	DRIVEWAY, P.C. CONCRETE, 8 IN.	SY	175.00	0.00	0.00	0.00	175.00	\$92.00	\$16,100.00	\$0.00	\$0.00	\$0.00	\$16,100.00	
32	2515-6745600	REMOVAL OF PAVED DRIVEWAYS	SY	175.00	0.00	0.00	0.00	175.00	\$17.25	\$3,018.75	\$0.00	\$0.00	\$0.00	\$3,018.75	
33	2524-9275222	WOOD POST - TYPE A/B SIGN, 4" X 6"	LF	0.00	0.00	18.00	0.00	18.00	\$40.25	\$0.00	\$0.00	\$724.50	\$0.00	\$724.50	
34	2524-9325100	TYPE A SIGN MODIFICATION	EA	0.00	0.00	1.00	0.00	1.00	\$460.00	\$0.00	\$0.00	\$460.00	\$0.00	\$460.00	
35	2524-9325150	INSTALL TYPE A SIGN	EA	0.00	0.00	1.00	0.00	1.00	\$402.50	\$0.00	\$0.00	\$402.50	\$0.00	\$402.50	
36	2526-8285000	CONSTRUCTION SURVEY	LS	0.33	0.00	0.33	0.33	1.00	\$45,000.00	\$15,000.00	\$0.00	\$15,000.00	\$15,000.00	\$45,000.00	
37	2527-9263109	PAINTED PAVEMENT MARKINGS, WATERBORNE OR SOLVENT-BASED	STA	0.00	33.60	324.78	339.00	697.38	\$20.25	\$0.00	\$680.40	\$6,576.80	\$6,864.75	\$14,121.95	
38	2528-2518000	SAFETY CLOSURE	EA	0.00	0.00	6.00	6.00	12.00	\$172.50	\$0.00	\$0.00	\$1,035.00	\$1,035.00	\$2,070.00	
39	2528-8445110	TRAFFIC CONTROL	LS	0.33	0.00	0.33	0.33	1.00	\$11,500.00	\$3,833.33	\$0.00	\$3,833.33	\$3,833.33	\$11,500.00	
40	2533-4980005	MOBILIZATION	LS	0.33	0.00	0.33	0.33	1.00	\$138,000.00	\$46,000.00	\$0.00	\$46,000.00	\$46,000.00	\$138,000.00	
41	2599-9999005	WATER SERVICE REMOVE & REPLACE	EA	4.00	0.00	0.00	0.00	4.00	\$2,875.00	\$11,500.00	\$0.00	\$0.00	\$0.00	\$11,500.00	
42	2599-9999005	ROAD END DRAIN (MODIFIED DR-402)	EA	1.00	0.00	0.00	0.00	1.00	\$5,060.00	\$5,060.00	\$0.00	\$0.00	\$0.00	\$5,060.00	
43	2601-2636044	SEEDING AND FERTILIZING (URBAN)	AC.	2.00	0.00	0.00	0.00	2.00	\$3,335.00	\$6,670.00	\$0.00	\$0.00	\$0.00	\$6,670.00	
44	2602-0000309	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 9 IN. DIA.	LF	1,600.00	0.00	0.00	0.00	1,600.00	\$3.45	\$5,520.00	\$0.00	\$0.00	\$0.00	\$5,520.00	
45	2602-0000351	REMOVAL OF PERIMETER AND SLOPE OR DITCH CHECK SEDIMENT CONTROL DEVICE	LF	1,600.00	0.00	0.00	0.00	1,600.00	\$1.15	\$1,840.00	\$0.00	\$0.00	\$0.00	\$1,840.00	
46	2602-0010010	MOBILIZATIONS, EROSION CONTROL	EA	2.00	0.00	0.00	0.00	2.00	\$575.00	\$1,150.00	\$0.00	\$0.00	\$0.00	\$1,150.00	
47	2610-0000200	MULCH	AC.	1.00	0.00	0.00	0.00	1.00	\$154.10	\$154.10	\$0.00	\$0.00	\$0.00	\$154.10	
SUB-TOTAL (INCLUDES 15% ANTICIPATED EXCALATION OF CURRENT COSTS)										\$1,497,745.18	\$984,494.15	\$1,647,732.37	\$1,827,908.95	\$5,957,880.65	
CONTINGENCY (15%)										\$224,661.78	\$147,674.12	\$247,159.86	\$274,186.34	\$893,682.10	
TOTAL										\$1,722,406.96	\$1,132,168.27	\$1,894,892.23	\$2,102,095.29	\$6,851,562.75	
75% (FEDERAL GRANT FUNDED)										\$1,291,805.22	\$849,126.20	\$1,421,169.17	\$1,576,571.47	\$5,139,000.00	
25% MATCH										\$430,601.74	\$283,042.07	\$473,723.06	\$525,523.82	\$1,713,000.00	
											GRANT SUBMITTAL TOTALS		6,852,000.00		
															5,139,000.00
															1,713,000.00

Rural GRANT Cost Estimate - W51 Cedar Rd - As of August 1, 2023

Item No.	Item Code	Item	Unit	Div 1	Div 2	Div 3	Total	Unit Price	Div 1	Div 2	Div 3	Total Cost	
0010	2111-8174100	Granular Subbase	SY	-	-	36.01	36.01	\$10.99	\$0.00	\$0.00	\$395.76	\$395.76	
0020	2213-2713300	Excavation, Class 13 For Widening	CY	504.00	1,001.17	-	3,213.95	\$11.55	\$5,821.20	\$11,563.55	\$0.00	\$17,384.75	
0030	2213-6745500	Removal of Curb	STA	-	-	23.82	23.82	\$1,053.00	\$0.00	\$0.00	\$25,077.20	\$25,077.20	
0040	2213-8200000	Base Widening, HMA Mixture	TON	563.76	1,119.88	-	3,595.03	\$48.31	\$27,235.25	\$54,101.56	\$0.00	\$81,336.81	
0050	2214-5145150	Pavement Scarification	SY	400.000	3,226.667	4,180.000	8,271.11	\$12.00	\$4,800.00	\$38,720.00	\$50,160.00	\$93,680.00	
0060	2303-1032500	HMA Standard Traffic, Intermediate Course, 1/2 In Mix	TON	2,143.26	4,484.14	-	19,141.95	\$53.70	\$115,093.06	\$240,798.16	\$0.00	\$355,891.22	
0070	2303-1033500	HMA Standard Traffic, Surface Course, 1/2 In Mix	TON	1,071.63	2,242.07	395.87	9,966.85	\$56.50	\$60,547.10	\$126,676.87	\$22,366.71	\$209,590.68	
0080	2303-1258343	Asphalt Binder, PG 58-34S, Standard Traffic	TON	226.72	470.77	23.75	1,962.23	\$845.00	\$191,577.56	\$397,796.70	\$20,070.66	\$609,444.92	
0100	2303-6911000	HMA Pavement Samples	LS	0.10	0.22	-	1.00	\$8,000.00	\$811.35	\$1,728.71	\$0.00	\$2,540.07	
0110	2303-7000610	Incentive/Disincentive for HMA Lab Voids	EACH	1,889.33	3,923.04	-	16,153.98	\$1.00	\$1,889.33	\$3,923.04	\$0.00	\$5,812.37	
0120	2303-7000620	Incentive/Disincentive for HMA Field Voids	EACH	1,889.33	3,923.04	-	16,153.98	\$1.00	\$1,889.33	\$3,923.04	\$0.00	\$5,812.37	
0130	2316-7000120	Incentive/Disincentive for HMA Pavement Smoothness	EACH	1,710.72	-	-	21,245.72	\$1.00	\$1,710.72	\$0.00	\$0.00	\$1,710.72	
0140	2318-1001100	Cold In-Place Recycled Asphalt Pavement	SY	7,128.00	11,471.78	-	66,567.11	\$2.03	\$14,469.84	\$23,287.71	\$0.00	\$37,757.55	
0150	2318-1001220	Asphalt Stabilizing Agent (Foamed Asphalt)	TON	31.36	50.48	-	292.90	\$855.00	\$26,815.54	\$43,156.83	\$0.00	\$69,972.36	
0160	2435-0600010	Manhole Adjustment, Minor	EACH	-	-	2.00	2.00	\$3,000.00	\$0.00	\$0.00	\$6,000.00	\$6,000.00	
0170	2435-0250700	Intake, SW-507	EACH	-	-	4.00	4.00	\$6,000.00	\$0.00	\$0.00	\$24,000.00	\$24,000.00	
0180	2511-6745900	Removal of Sidewalk	SY	-	-	3,409.78	3,409.78	\$13.00	\$0.00	\$0.00	\$44,327.11	\$44,327.11	
0190	2511-7526105	Sidewalk, Reinforced PC Concrete, 5"	SY	-	-	3,172.67	3,172.67	\$62.00	\$0.00	\$0.00	\$196,705.33	\$196,705.33	
0200	2511-7526107	Sidewalk, Reinforced PC Concrete, 7"	SY	-	-	237.11	237.11	\$93.50	\$0.00	\$0.00	\$22,169.89	\$22,169.89	
0210	2511-8528101	Detectable Warnings	SF	-	-	280.00	280.00	\$60.50	\$0.00	\$0.00	\$16,940.00	\$16,940.00	
0220	2512-1725256	Curb and Gutter, PC Concrete, 2.5'	LF	-	-	2381.50	2,381.50	\$35.00	\$0.00	\$0.00	\$83,352.50	\$83,352.50	
0230	2518-6910000	Safety Closure	EACH	2.00	-	18.00	23.00	\$150.00	\$300.00	\$0.00	\$2,700.00	\$3,000.00	
0240	2527-9263112	Painted Pavement Marking, High Build Waterbourne	STA	77.52	69.06	-	427.88	\$17.00	\$1,317.84	\$1,174.02	\$0.00	\$2,491.86	
0250	2528-8445110	Traffic Control	LS	0.10	0.22	-	1.00	\$20,000.00	\$2,028.38	\$4,321.79	\$0.00	\$6,350.17	
0260	2528-8445113	Flaggers	EACH	PER PROPOSAL	PER PROPOSAL	PER PROPOSAL	PER PROPOSAL	\$540.00				\$0.00	
0270	2529-8202000	Rumble Strip Panel (In Full Depth Patch)	EACH	-	-	-	2.00	\$3,000.00	\$0.00	\$0.00	\$0.00	\$0.00	
0280	2533-4980005	Mobilization	LS	0.10	0.22	-	1.00	\$50,000.00	\$5,070.95	\$10,804.47	\$0.00	\$15,875.42	
0290	2548-0000100	Milled Shoulder Rumble Strips, HMA Surface	STA	58.32	97.86	-	548.64	\$20.00	\$1,166.40	\$1,957.20	\$0.00	\$3,123.60	
0300	2548-0000110	Asphalt Emulsion for Fog Seal (Shoulder Rumble Strips)	STA	84.24	141.35	-	792.48	\$8.00	\$673.92	\$1,130.83	\$0.00	\$1,804.75	
0310	2548-0000310	Milled Centerline Rumble Strips, HMA Surface	STA	29.16	48.93	-	470.55	\$20.00	\$583.20	\$978.60	\$0.00	\$1,561.80	
		Utility Work Associated With Paving / Speed Feedback Signs	LS	-	1.00	-	1.00	\$40,000.00		\$40,000.00	\$0.00	\$40,000.00	
									Total	\$463,800.95	\$1,006,043.08	\$514,265.16	\$1,984,109.19
									75% Grant Req	\$347,850.71	\$754,532.31	\$385,698.87	\$1,488,081.89
									Contingency (15%)	\$52,177.61	\$113,179.85	\$57,854.83	\$223,212.28
									25% Match	\$115,950.24	\$251,510.77	\$128,566.29	\$496,027.30
									Contingency (15%)	\$17,392.54	\$37,726.62	\$19,284.94	\$74,404.09
									Total + Cont.	\$533,371.09	\$1,156,949.54	\$591,404.94	\$2,281,725.57

Notes:

- Div. 2 has two different sections one with Cold In-Place Recycling & Base Widening, and another with Scarification.
- Division 3 Scarification Section for Div. 2 is from North of the Bridge to 5th Avenue.
- Division 3 Based on 14' Parking Lanes for 680 ft, 8' Parking Lanes for 640, & estimated 35 detectable Warnings @ 8 SF a Piece
- Cost Estimations based on bid item costs for recently let projects.
- The Match requirement is 25% for inclusion with Iowa County RURAL Grant submission

Division	Location
1	Kornhill Rd to Wadena City Limits
2	Wadena City Limits Mainline
3	Wadena City Limits (Parking Area & Sidewalks, ADA Safety Improvements)



Luke Bowdish, P.E.
8/3/2023

Mitchell County Rural Grant - ILL-C066()--92-66

Preliminary Item Breakdown - Final 8-4-23

City Portion - 8" PCC with 6" granular subbase. 24' wide with 3' Curb and gutter. 6" PCC overlay once beyond C&G, maybe 3" mill and 6" PCC?

Rural section - 6" PCC overlay with fiber. 24' wide with 3' paved shoulder

ITEM NUMBER	ITEM CODE	DESCRIPTION (Division 1 - City)	ITEM	UNIT PRICE	UNIT	QTY.	AMOUNT
1	2102-2710070	EXCAVATION, CLASS 10, ROADWAY AND BORROW		\$12.00	CY	2,000	\$24,000.00
2	2111-8174100	GRANULAR SUBBASE		\$25.00	SY	9,500	\$237,500.00
3	2214-5145150	PAVEMENT SCARIFICATION		\$8.00	SY	6,400	\$51,200.00
4	2301-1033080	STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS C, CLASS 3 DURABILITY, 8 IN.		\$80.00	SY	7,500	\$600,000.00
5	2303-1033500	HOT MIX ASPHALT STANDARD TRAFFIC, SURFACE COURSE, 1/2 IN. MIX, NO SPECIAL FRICTION REQUIREMENT		\$65.00	TON	500	\$32,500.00
6	2303-1258283	ASPHALT BINDER, PG 58-28S, STANDARD TRAFFIC		\$750.00	TON	30	\$22,500.00
7	2435-0600010	MANHOLE ADJUSTMENT, MINOR		\$1,000.00	EACH	25	\$25,000.00
8	2435-0600110	INTAKE ADJUSTMENT, MINOR		\$1,000.00	EACH	12	\$12,000.00
9	2310-5151251	PORTLAND CEMENT CONCRETE OVERLAY, PLACEMENT ONLY (UNBONDED)		\$7.00	SY	15,500	\$108,500.00
10	2310-5151040	PORTLAND CEMENT CONCRETE OVERLAY, FURNISH ONLY		\$130.00	CY	2,900	\$377,000.00
11	2510-6745850	REMOVAL OF PAVEMENT		\$30.00	SY	7,500	\$225,000.00
12	2511-6745900	REMOVAL OF SIDEWALK		\$30.00	SY	400	\$12,000.00
13	2511-7526005	SIDEWALK, P.C. CONCRETE, 5 IN.		\$100.00	SY	500	\$50,000.00
14	2511-7528101	DETECTABLE WARNINGS		\$60.00	SF	344	\$20,640.00
15	2512-1725306	CURB AND GUTTER, P.C. CONCRETE, 3.0 FT.		\$60.00	LF	4,000	\$240,000.00
16	2515-2475006	DRIVEWAY, P.C. CONCRETE, 6 IN.		\$75.00	SY	2,000	\$150,000.00
17	2515-6745600	REMOVAL OF PAVED DRIVEWAY		\$20.00	SY	2,000	\$40,000.00
18	2526-8285000	CONSTRUCTION SURVEY		\$50,000.00	LS	1	\$50,000.00
19	2528-8445110	TRAFFIC CONTROL		\$30,000.00	LS	1	\$30,000.00
20	2533-4980005	MOBILIZATION		\$75,000.00	LS	1	\$75,000.00
21	2554-0212040	VALVE BOX ADJUSTMENT, MINOR		\$500.00	EACH	20	\$10,000.00
22	2595-0005120	RAILROAD PROTECTIVE LIABILITY INSURANCE FOR CHICAGO, CENTRAL AND PACIFIC RAILROAD / CEDAR RIVER RAILROAD COMPANY		\$20,000.00	LS	1	\$20,000.00

Total \$2,412,840.00
 Contingency 15% \$361,926.00
Division 1 Total \$2,774,766.00

 Grant @ 75% \$2,081,074.50
 Matching Funds @ 25% \$693,691.50

ITEM NUMBER	ITEM CODE	DESCRIPTION (Division 2 - Rural)	UNIT PRICE	UNIT	QTY.	AMOUNT
1	2121--7425020	GRANULAR SHOULDERS, TYPE B	\$20.00	TON	17,000	\$340,000.00
2	2213-2713300	EXCAVATION, CLASS 13, FOR WIDENING	\$15.00	CY	2,000	\$30,000.00
3	2213-7100400	RELOCATION OF MAIL BOXES	\$100.00	EACH	30	\$3,000.00
4	2214-5145150	PAVEMENT SCARIFICATION	\$8.00	SY	2,811	\$22,488.00
5	2301-6911722	PORTLAND CEMENT CONCRETE PAVEMENT SAMPLES	\$1,500.00	LS	1	\$1,500.00
6	2301-9091000	RUMBLE STRIP PANEL (PCC SURFACE)	\$250.00	EACH	2	\$500.00
7	2303-1033500	HOT MIX ASPHALT STANDARD TRAFFIC, SURFACE COURSE, 1/2 IN. MIX, NO SPECIAL FRICTION REQUIREMENT	\$65.00	TON	700	\$45,500.00
8	2303-1258283	ASPHALT BINDER, PG 58-28S, STANDARD TRAFFIC	\$750.00	TON	42	\$31,500.00
9	2310-5151251	PORTLAND CEMENT CONCRETE OVERLAY, PLACEMENT ONLY (UNBONDED)	\$7.00	SY	90,000	\$630,000.00
10	2310-5151040	PORTLAND CEMENT CONCRETE OVERLAY, FURNISH ONLY	\$130.00	CY	18,000	\$2,340,000.00
11	2310-8255550	SURFACE PREPARATION	\$3.00	SY	88,000	\$264,000.00
12	2315-8275025	SURFACING, DRIVEWAY, CLASS A CRUSHED STONE	\$20.00	TON	3,000	\$60,000.00
13	2526-8285000	CONSTRUCTION SURVEY	\$35,000.00	LS	1	\$35,000.00
14	2527-9263109	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	\$20.00	STA	2,000	\$40,000.00
15	2527-9263137	PAINTED SYMBOLS AND LEGENDS, WATERBORNE OR SOLVENT-BASED	\$500.00	EACH	4	\$2,000.00
16	2528-8445110	TRAFFIC CONTROL	\$20,000.00	LS	1	\$20,000.00
17	2528-2518000	SAFETY CLOSURE	\$250.00	EACH	30	\$7,500.00
18	2533-4980005	MOBILIZATION	\$130,000.00	LS	1	\$130,000.00

Total \$4,002,988.00
 Contingency 15% \$600,448.20
Division 2 Total \$4,603,436.20

 Grant @ 75% \$3,452,577.15
 Matching Funds @ 25% \$1,150,859.05

Combined Construction Division Total \$7,378,202.20

 Consultant Engineering (City/County) \$150,000.00

Estimated Complete Project Total \$7,528,202.20

Estimated Grant Asking @ 75% \$5,533,651.65
 Estimated non grant funding @25% + consultant fees \$1,994,550.55

MONROE WAPELLO ROAD IMPROVEMENT THROUGH THE TOWN OF BLAKESBURG

COLD-IN-PLACE 2318	SY	49,000	\$3	\$127,400
FOAMED BINDER 2318	TON	400	\$500	\$200,000
4" HMA 2303	TON	14,000	\$75	\$1,050,000
BINDER 2303	TON	1,000	\$572	\$572,000
CURB & CUTTER 3' 2512	LF	2,000	\$50	\$100,000
PCC PATCH REPAIR 2212	SY	225	\$150	\$33,750
PCC PATCH COUNT 2212	EACH	46	\$300	\$13,800
CULVERTS 2416	LF	320	\$200	\$64,000
STORM SEWER 2503	EACH	4	\$6,000	\$24,000
SIDEWALK 4" 2511	SY	2,750	\$80	\$220,000
ADA RAMPS	EACH	49	\$2,500	\$122,500
PAVEMENT MARKING 2527	STA	480	\$20	\$9,600
GROOVES FOR PAINT 2527	STA	480	\$60	\$28,800
RUMBLE STRIPS 2301	EACH	3	\$2,000	\$6,000
MOBILIZATION 2533	LS	1	\$75,000	\$75,000

ESTIMATE COST \$2,646,850

DESIGN/SURVEY 5% \$132,342.50

INFLATION 12.50% \$330,856.25

CONCEPTUAL 12.50% \$330,856.25

TOTAL ESTIMATE COST \$3,440,905

+6.9486%

\$ 3,680,000

Estimated Project Quantities					Engineer's Estimate	
ITEM NO.	ITEM CODE	ITEM	UNIT	TOTAL	UNIT COST	TOTAL COST
1	2105-8425015	TOPSOIL, STRIP, SALVAGE AND SPREAD	CY	8200.000	\$7.99	\$65,502.94
2	2102-2710070	EXCAVATION, CLASS 10, ROADWAY AND BORROW	CY	900.000	\$6.56	\$5,905.53
3	2115-0100000	MODIFIED SUBBASE	TON	2,500.000	\$51.35	\$128,381.19
4	2121-7425020	GRANULAR SHOULDERS, TYPE B	TON	10,056.463	\$30.81	\$309,854.55
5	2212-0475095	CLEANING AND PREPARATION OF BASE	MILE	11.745	\$798.82	\$9,381.78
6	2212-5070310	PATCHES, FULL-DEPTH REPAIR	SY	1,111.111	\$45.65	\$50,718.49
7	2212-5070330	PATCHES BY COUNT (REPAIR)	EACH	29.000	\$68.47	\$1,985.63
8	2213-2713300	EXCAVATION, CLASS 13, FOR WIDENING	CY	6,242.148	\$34.23	\$213,699.84
9	2213-8201040	BASE WIDENING, 4 IN. HOT MIX ASPHALT MIXTURE	SY	56,179.333	\$23.96	\$1,346,308.99
10	2214-5145150	PAVEMENT SCARIFICATION	SY	179,556.667	\$1.54	\$276,620.38
11	2214-7450050	BLADING AND SHAPING SHOULDER MATERIAL	STA	1,246.000	\$19.40	\$24,172.18
12	2303-0002380	HOT MIX ASPHALT MIXTURE INTERLAYER BASE COURSE, 3/8 IN. MIX	TON	12,689.068	\$34.23	\$434,410.04
13	2303-1042500	HOT MIX ASPHALT HIGH TRAFFIC, INTERMEDIATE COURSE, 1/2 IN. MIX	TON	19,406.810	\$33.09	\$642,245.44
14	2303-1043500	HOT MIX ASPHALT HIGH TRAFFIC, SURFACE COURSE, 1/2 IN. MIX, NO SPECIAL FRICTION REQUIREMENT	TON	19,033.602	\$33.09	\$629,894.56
15	2303-1258284	ASPHALT BINDER, PG 58-28H, HIGH TRAFFIC	TON	2,306.425	\$798.82	\$1,842,409.65
16	2303-1258346	ASPHALT BINDER, PG 58-34E, EXTREMELY HIGH TRAFFIC	TON	1,015.125	\$1,027.05	\$1,042,584.10
17	2303-6911000	HOT MIX ASPHALT PAVEMENT SAMPLES	LS	1.000	\$5,705.83	\$5,705.83
18	2303-9091010	RUMBLE STRIP PANEL (HMA SURFACE)	EACH	2.000	\$456.47	\$912.93
19	2315-8275025	SURFACING, DRIVEWAY, CLASS A CRUSHED STONE	TON	805.000	\$33.09	\$26,640.52
20	2511-0301600	RECREATIONAL TRAIL, HOT MIX ASPHALT, 6 IN.	SY	25,384.444	\$66.19	\$1,680,136.35
21	2511-0310100	SPECIAL COMPACTION OF SUBGRADE FOR RECREATIONAL TRAIL	STA	228.750	\$416.53	\$95,280.24
22	2526-8285000	CONSTRUCTION SURVEY	LS	1.000	\$22,823.32	\$22,823.32
23	2527-9263109	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	STA	3,463.820	\$18.26	\$63,244.70
24	2527-9270111	GROOVES CUT FOR PAVEMENT MARKINGS	STA	3,463.820	\$42.22	\$146,253.38
25	2527-9263137	PAINTED SYMBOLS AND LEGENDS, WATERBORNE OR SOLVENT-BASED	EACH	6.000	\$456.47	\$2,738.80
26	2528-2518000	SAFETY CLOSURE	EACH	8.000	\$142.65	\$1,141.17
27	2528-8445110	TRAFFIC CONTROL	LS	1.000	\$148,351.60	\$148,351.60
28	2528-8445113	FLAGGERS	EACH	1.000	\$248,774.22	\$248,774.22
29	2528-8445115	PILOT CARS	EACH	1.000	\$77,599.30	\$77,599.30
30	2533-4980005	MOBILIZATION	LS	1.000	\$156,322.34	\$156,322.34

8/7/2023

Semi Total Cost	\$9,700,000.00
Contingency (15%)	\$ 1,455,000.00
Total Cost	\$11,155,000.00