2020 The Fitchville River Road Safety Upgrades & Intersection Improvement at Prospect Road BID OPENING: DECEMBER 23, 2019

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Estimated Quantites Ref. Item Description	Est. Quantity	Unit	ENGINEE	R'S ESTIMATE Costs	Unit Cost	BLACKTOP Total Cost	GERK Unit Cost	EN PAVING Total Cost	KOKOSING Unit Cost	CONSTRUCTION Total Cost	A.J.F Unit Cost	RILEY, INC. Total Cost	J		
ROADWAY	250 Quantity	Unit	The	66515	oint cost	Total cost	onic cost	Total Cost	onic cost	Total cost	onit cost	Total COSt			
1 201 11001 CLEARING AND GRUBBING, AS PER PLAN 2 202 23000 PAVEMENT REMOVED	1 35	LS	\$30,000.00 \$10.00	\$30,000.00 \$350.00	\$24,000.00	\$24,000.00	\$15,000.00	\$15,000.00 \$227.50	\$15,000.00	\$15,000.00	\$7,500.00 \$3.00	\$7,500.00	L		
2 202 23000 PAVEMENT REMOVED 3 202 23010 PAVEMENT REMOVED, ASPHALT	1465	SY SY	\$10.00	\$7,325.00	\$8.40 \$7.35	\$294.00 \$10,767.75	\$6.50	\$17,580.00	\$6.50 \$2.90	\$227.50 \$4,248.50	\$3.00	\$105.00 \$4,395.00			
4 202 35100 PIPE REMOVED, 24" AND UNDER	63	FT	\$15.00	\$945.00	\$10.50	\$661.50	\$6.50	\$409.50	\$6.50	\$409.50	\$3.00	\$189.00			
5 202 38000 GUARDRAIL REMOVED	986	FT	\$2.00	\$1,972.00	\$1.60	\$1,577.60	\$1.50	\$1,479.00	\$1.50	\$1,479.00	\$2.00	\$1,972.00	⊢		
6 202 60010 MONUMENT ASSEMBLY REMOVED 7 SPECIAL 20270110 PIPE CLEANOUT. 24" AND UNDER	50	EACH FT	\$100.00 \$15.00	\$100.00 \$750.00	\$150.00 \$10.50	\$150.00 \$525.00	\$65.00 \$17.00	\$65.00 \$850.00	\$65.00 \$17.00	\$65.00 \$850.00	\$250.00 \$20.00	\$250.00 \$1,000.00			
8 202 75000 FENCE REMOVED	1541	FT	\$3.00	\$4,623.00	\$3.15	\$4,854.15	\$2.50	\$3,852.50	\$2.50	\$3,852.50	\$1.00	\$1,541.00			
9 203 10000 EXCAVATION 10 203 20000 EMBANKMENT	3997 1122	CY CY	\$10.00 \$10.00	\$39,970.00	\$9.50 \$10.50	\$37,971.50 \$11,781.00	\$18.00 \$29.00	\$71,946.00 \$32,538.00	\$17.10 \$29.00	\$68,348.70 \$32,538.00	\$20.00 \$10.00	\$79,940.00 \$11,220.00	⊢−−−		
10 203 20000 EMBANKMENT 11 204 10000 SUBGRADE COMPACTION	5381	SY	\$10.00	\$11,220.00 \$10,762.00	\$10.50	\$6,995.30	\$29.00	\$5,381.00	\$29.00	\$5,381.00	\$10.00	\$5,381.00			
12 204 13000 EXCAVATION OF SUBGRADE	256	CY	\$15.00	\$3,840.00	\$13.15	\$3,366.40	\$22.00	\$5,632.00	\$22.00	\$5,632.00	\$30.00	\$7,680.00			
13 204 30011 GRANULAR MATERIAL, TYPE B, AS PER PLAN 14 204 45000 PROOF ROLLING	256 4	CY HOUR	\$40.00 \$200.00	\$10,240.00 \$800.00	\$39.00 \$160.00	\$9,984.00 \$640.00	\$58.00 \$140.00	\$14,848.00 \$560.00	\$58.00 \$140.00	\$14,848.00 \$560.00	\$35.00 \$100.00	\$8,960.00 \$400.00	⊢−−−		
15 204 50000 GEOTEXTILE FABRIC	256	SY	\$2.00	\$512.00	\$1.35	\$345.60	\$2.15	\$550.40	\$2.15	\$550.40	\$1.00	\$256.00	(
16 204 51000 GEOGRID	256	SY	\$2.00	\$512.00	\$1.70	\$435.20	\$2.85	\$729.60	\$2.85	\$729.60	\$5.00	\$1,280.00			
17 209 10001 DITCH CLEANOUT, AS PER PLAN 18 209 15000 RESHAPING UNDER GUARDRAIL	400	FT	\$50.00	\$20,000.00	\$26.25	\$10,500.00	\$15.50	\$6,200.00	\$15.50	\$6,200.00	\$4.00	\$1,600.00	├───		
18 209 15000 RESHAPING UNDER GUARDRAIL 19 606 15100 GUARDRAIL, TYPE MGS WITH LONG POSTS	17 1125	STA FT	\$100.00 \$15.00	\$1,700.00 \$16,875.00	\$50.50 \$19.15	\$858.50 \$21,543.75	\$48.00 \$18.20	\$816.00 \$20.475.00	\$48.00 \$18.20	\$816.00 \$20,475.00	\$20.00 \$20.00	\$340.00 \$22,500.00			
20 606 26150 ANCHOR ASSEMBLY, MGS TYPE E	11	EACH	\$1,820.00	\$20,020.00	\$2,330.00	\$25,630.00	\$2,215.00	\$24,365.00	\$2,215.00	\$24,365.00	\$2,250.00	\$24,750.00		-	
21 606 26550 ANCHOR ASSEMBLY, MGS TYPE T	3	EACH	\$725.00	\$2,175.00	\$1,000.00	\$3,000.00	\$950.00	\$2,850.00	\$950.00	\$2,850.00	\$1,000.00	\$3,000.00			
22 623 38501 MONUMENT ASSEMBLY, AS PER PLAN 23 SPECIAL 69050100 MAILBOX SUPPORT SYSTEM, SINGLE	3	EACH	\$950.00 \$175.00	\$2,850.00 \$350.00	\$870.00 \$160.00	\$2,610.00 \$320.00	\$850.00 \$300.00	\$2,550.00 \$600.00	\$1,450.00 \$150.00	\$4,350.00 \$300.00	\$700.00 \$350.00	\$2,100.00 \$700.00	⊢−−−		
24 SPECIAL 69050200 MAILBOX SUPPORT SYSTEM, DOUBLE	1	EACH	\$230.00	\$230.00	\$255.00	\$255.00	\$480.00	\$480.00	\$240.00	\$240.00	\$500.00	\$500.00			
ROADWAY SUBTOTAL				\$188,121.00		\$179,066.25		\$229,984.50		\$214,315.70		\$187,559.00			
EROSION CONTROL		011	405.00	*150.00	400.00	* 100.00	4500.00	** 000.00	4500.00	*1 000 00	450.00	A1 10 00	└──		
25 601 32204 ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC 26 659 00100 SOIL ANALYSIS TEST	2	CY EACH	\$85.00 \$150.00	\$170.00 \$300.00	\$90.00 \$315.00	\$180.00 \$630.00	\$500.00 \$150.00	\$1,000.00 \$300.00	\$500.00 \$150.00	\$1,000.00 \$300.00	\$70.00 \$100.00	\$140.00 \$200.00		+	
27 659 00300 TOPSOIL	1103	CY	\$20.00	\$22,060.00	\$36.75	\$40,535.25	\$26.00	\$28,678.00	\$26.00	\$28,678.00	\$60.00	\$66,180.00			
28 659 10000 SEEDING AND MULCHING	9936	SY	\$1.00	\$9,936.00	\$1.15	\$11,426.40	\$1.35	\$13,413.60	\$1.35	\$13,413.60	\$1.50	\$14,904.00	<u> </u>		
29 659 14000 REPAIR SEEDING AND MULCHING 30 659 15000 INTER-SEEDING	497 497	SY SY	\$1.00 \$1.00	\$497.00 \$497.00	\$1.60 \$1.20	\$795.20 \$596.40	\$0.40 \$0.10	\$198.80 \$49.70	\$0.40 \$0.10	\$198.80 \$49.70	\$1.00 \$1.00	\$497.00 \$497.00	┝───┼─		
30 659 15000 INTER-SEEDING 31 659 20000 COMMERCIAL FERTILIZER	1.38	TON	\$1.00	\$497.00 \$759.00	\$1.20 \$630.00	\$596.40 \$869.40	\$485.00	\$669.30	\$0.10 \$485.00	\$669.30	\$1,000.00	\$497.00 \$1,380.00			
32 659 31000 LIME	2.05	ACRE	\$120.00	\$246.00	\$150.00	\$307.50	\$40.00	\$82.00	\$40.00	\$82.00	\$600.00	\$1,230.00	i – I		
33 659 35000 WATER	55	MGAL	\$5.00	\$275.00	\$5.25	\$288.75	\$1.00	\$55.00	\$1.00	\$55.00	\$10.00	\$550.00	⊢		
34 670 00500 SLOPE EROSION PROTECTION 35 832 15000 STORM WATER POLLUTION PREVENTION PLAN	1884	SY	\$2.00 \$15.000.00	\$3,768.00 \$15.000.00	\$2.90 \$2.625.00	\$5,463.60 \$2.625.00	\$2.40 \$2.000.00	\$4,521.60 \$2,000.00	\$2.40 \$1.395.00	\$4,521.60 \$1.395.00	\$4.00 \$1.500.00	\$7,536.00 \$1,500.00	⊢−−		
36 832 15002 STORM WATER POLLOTION PREVENTION PLAN	1	LS	\$30,000.00	\$30,000.00	\$2,023.00	\$2,100.00	\$2,000.00	\$2,000.00	\$4,080.00	\$4,080.00	\$4,000.00	\$4,000.00			
37 832 30000 EROSION CONTROL	25000	EACH	\$1.00	\$25,000.00	\$1.00	\$25,000.00	\$1.00	\$25,000.00	\$1.00	\$25,000.00	\$1.00	\$25,000.00			
EROSION SUBTOTAL				\$108,508.00		\$90,817.50		\$77,968.00		\$79,443.00		\$123,614.00			
DRAINAGE 38 602 20000 CONCRETE MASONRY	0.6	CY	\$1,350.00	\$810.00	\$1,750.00	\$1,050.00	\$3,550.00	\$2,130.00	\$3,550.00	\$2,130.00	\$5,000.00	\$3,000.00			
39 605 31100 AGGREGATE DRAINS	781	FT	\$10.00	\$7,810.00	\$12.60	\$9,840.60	\$19.00	\$14,839.00	\$19.00	\$14,839.00	\$5.00	\$3,905.00		-	
40 611 00900 6" CONDUIT, TYPE B	25	FT	\$25.00	\$625.00	\$16.80	\$420.00	\$26.00	\$650.00	\$26.00	\$650.00	\$15.00	\$375.00		-	
41 611 01100 6" CONDUIT, TYPE C 42 611 01800 8" CONDUIT, TYPE B	25	FT	\$25.00 \$50.00	\$625.00	\$16.80	\$420.00	\$23.00 \$30.00	\$575.00	\$23.00 \$30.00	\$575.00	\$16.00	\$400.00	├ ───┤──		
42 611 01800 8" CONDUIT, TYPE B 43 611 02400 8" CONDUIT, TYPE D	25	FT	\$50.00	\$1,250.00 \$1,400.00	\$31.50 \$31.50	\$787.50 \$882.00	\$30.00	\$750.00 \$1,120.00	\$30.00	\$750.00 \$1,120.00	\$100.00 \$20.00	\$2,500.00 \$560.00			
44 611 02600 8" CONDUIT, TYPE F	25	FT	\$25.00	\$625.00	\$27.30	\$682.50	\$27.00	\$675.00	\$27.00	\$675.00	\$20.00	\$500.00		-	
45 611 04400 12" CONDUIT, TYPE B	25	FT	\$65.00	\$1,625.00	\$52.50	\$1,312.50	\$42.50	\$1,062.50	\$42.50	\$1,062.50	\$100.00	\$2,500.00			
46 611 04600 12" CONDUIT, TYPE C 47 611 04900 12" CONDUIT, TYPE D	50 60	FT	\$55.00 \$45.00	\$2,750.00 \$2,700.00	\$50.50 \$50.50	\$2,525.00 \$3,030.00	\$37.50 \$58.00	\$1,875.00	\$37.50 \$58.00	\$1,875.00 \$3,480.00	\$22.00 \$22.00	\$1,100.00 \$1,320.00	⊢−−−		
48 611 05700 15" CONDUIT, TYPE D	50	FT	\$100.00	\$5,000.00	\$100.00	\$5,000.00	\$38.00	\$4,050.00	\$38.00	\$4,050.00	\$25.00	\$1,250.00			
49 611 98700 INLET, SIDE DITCH	2	EACH	\$1,500.00	\$3,000.00	\$1,050.00	\$2,100.00	\$900.00	\$1,800.00	\$900.00	\$1,800.00	\$500.00	\$1,000.00			
DRAINAGE SUBTOTAI				\$28,220.00		\$28,050.10		\$33,006.50		\$33,006.50		\$18,410.00			
PAVEMENT 50 253 01001 PAVEMENT REPAIR, AS PER PLAN	200	SY	\$50.00	\$10,000.00	\$158.00	\$31.600.00	\$106.00	\$21.200.00	\$115.00	\$23,000.00	\$25.00	\$5,000.00			
51 254 01000 PAVEMENT PLANING, ASPHALT CONCRETE (1.5" THICK)	29125	SY	\$2.00	\$58,250.00	\$1.15	\$33,493.75	\$1.60	\$46,600.00	\$1.25	\$36,406.25	\$1.10	\$32,037.50		-	
52 302 46000 ASPHALT CONCRETE BASE, PG64-22	860	CY	\$110.00	\$94,600.00	\$112.00	\$96,320.00	\$130.00	\$111,800.00	\$127.00	\$109,220.00	\$136.00	\$116,960.00			
53 304 20001 AGGREGATE BASE, AS PER PLAN 54 407 10000 TACK COAT	904 4962	CY GAL	\$55.00 \$2.00	\$49,720.00 \$9,924.00	\$42.00 \$2.30	\$37,968.00 \$11,412.60	\$54.00 \$2.20	\$48,816.00 \$10,916.40	\$54.00 \$2.00	\$48,816.00 \$9,924.00	\$35.00 \$2.00	\$31,640.00 \$9,924.00	⊢−−−		
54 407 10000 TACK COAT 55 411 10000 STABILIZED CRUSHED AGGREGATE	223	CY	\$60.00	\$13.380.00	\$60.00	\$13,380.00	\$75.00	\$16,725.00	\$60.00	\$13,380.00	\$35.00	\$7,805.00			
56 441 50101 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), AS PER PLAN	1252	CY	\$165.00	\$206,580.00	\$146.00	\$182,792.00	\$152.00	\$190,304.00	\$164.00	\$205,328.00	\$165.00	\$206,580.00		-	
57 441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), WEDGE COURSE, AS PER PLAN		CY			\$146.00	\$2,190.00	\$360.00	\$5,400.00	\$164.00	\$2,460.00	\$140.00	\$2,100.00			
58 441 20301 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), AS PER PLAN 59 617 10100 COMPACTED AGGREGATE	1628 249	CY	\$155.00 \$55.00	\$252,340.00 \$13,695.00	\$126.00 \$60.00	\$205,128.00 \$14,940.00	\$137.00 \$70.00	\$223,036.00 \$17.430.00	\$146.00 \$40.00	\$237,688.00 \$9.960.00	\$155.00 \$35.00	\$252,340.00 \$8,715.00	⊢−−−		
59 617 10100 COMPACTED AGGREGATE 60 617 20000 SHOULDER PREPARATION	2987	SY	\$55.00	\$2,987.00	\$0.45	\$1,344.15	\$1.55	\$4,629.85	\$40.00	\$9,960.00	\$35.00	\$2,987.00			
PAVEMENT SUBTOTAL				\$711,476.00		\$630,568.50		\$696,857.25		\$708,130.25		\$676,088.50			
TRAFFIC CONTROL	20.5	pm	614.54	#221 00	#0.00	6000 50	¢10.00	¢207.00	67.00	£222.00	#10.00	6305.00	⊢−−−−		
61 630 02100 GROUND MOUNTED SUPPORT, NO. 2 POST 62 630 03100 GROUND MOUNTED SUPPORT, NO. 3 POST	28.5 386	FT FT	\$11.61 \$15.00	\$331.00 \$5,790.00	\$8.20 \$7.20	\$233.70 \$2,779.20	\$10.00 \$12.00	\$285.00 \$4,632.00	\$7.80 \$6.85	\$222.30 \$2,644.10	\$10.00 \$12.00	\$285.00 \$4,632.00			
63 630 04100 GROUND MOUNTED SUPPORT, NO. 4 POST (SQUARE POST)	58.4	FT	\$16.00	\$934.40	\$8.60	\$502.24	\$14.00	\$817.60	\$8.15	\$475.96	\$14.00	\$817.60			
64 630 08510 STREET NAME SIGN SUPPORT, NO. 2 POST	41.8	FT	\$13.00	\$543.40	\$9.60	\$401.28	\$13.00	\$543.40	\$9.10	\$380.38	\$50.00	\$2,090.00	<u> </u>		
65 630 08600 SIGN POST REFLECTOR 66 630 80100 SIGN, FLAT SHEET	32 342.8	EACH	\$50.00 \$16.00	\$1,600.00 \$5,484.80	\$52.00 \$15.90	\$1,664.00 \$5,450.52	\$40.00 \$15.00	\$1,280.00 \$5,142.00	\$49.40 \$15.10	\$1,580.80 \$5,176.28	\$100.00 \$20.00	\$3,200.00 \$6,856.00	┢───┼──		
67 630 80500 SIGN, PLAT SHEET 67 630 80500 SIGN, DOUBLE FACED, STREET NAME	7	EACH	\$10.00	\$210.00	\$15.90	\$1,372.00	\$15.00	\$840.00	\$15.10 \$186.35	\$1,304.45	\$20.00	\$2,800.00			
68 630 84900 REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	35	EACH	\$16.00	\$560.00	\$32.15	\$1,125.25	\$10.00	\$350.00	\$30.60	\$1,071.00	\$55.00	\$1,925.00		-	
69 630 86002 REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL 70 642 00090 EDGE LINE, 4"	30 5.77	EACH MILE	\$16.00 \$500.00	\$480.00	\$43.35 \$860.00	\$1,300.50	\$10.00	\$300.00	\$41.25	\$1,237.50	\$55.00	\$1,650.00 \$5,770.00	┝───┼──	T	
70 642 00090 EDGE LINE, 4" 71 642 00290 CENTER LINE	5.77	MILE	\$500.00 \$600.00	\$2,885.00 \$1,692.00	\$860.00 \$1,735.00	\$4,962.20 \$4,892.70	\$600.00 \$900.00	\$3,462.00 \$2,538.00	\$815.00 \$1,650.00	\$4,702.55 \$4,653.00	\$1,000.00 \$2,000.00	\$5,770.00	┌───┼─	+	
72 642 00490 STOP LINE	108	FT	\$11.00	\$1,188.00	\$2.95	\$318.60	\$4.00	\$432.00	\$2.80	\$302.40	\$4.00	\$432.00	i – I		
TRAFFIC SUBTOTAL				\$21,698.60		\$25,002.19		\$20,622.00		\$23,750.72		\$36,097.60			
MAINTENANCE OF TRAFFIC 73 410 12000 TRAFFIC COMPACTED SURFACE, TYPE A OR B	100	CY	\$60.00	\$6,000.00	\$48.00	\$4,800.00	\$40.00	\$4,000.00	\$35.00	\$3,500.00	\$35.00	\$3,500.00	┝───┼─		
73 410 12000 TRAFFIC COMPACTED SURFACE, TYPE A OR B 74 614 11110 LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	40	HOUR	\$60.00	\$2,800.00	\$48.00 \$65.00	\$4,800.00 \$2,600.00	\$40.00 \$75.00	\$3,000.00	\$35.00 \$40.00	\$3,500.00	\$35.00	\$3,500.00			
75 614 12420 DETOUR SIGNING	1	LS	\$15,000.00	\$15,000.00	\$8,200.00	\$8,200.00	\$22,000.00	\$22,000.00	\$8,850.00	\$8,850.00	\$15,000.00	\$15,000.00			
76 614 12460 WORK ZONE MARKING SIGN 77 614 13000 ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	15	EACH	\$100.00	\$1,500.00	\$135.00	\$2,025.00	\$120.00	\$1,800.00	\$125.00	\$1,875.00	\$500.00	\$7,500.00	⊢−−−		
77 614 13000 ASPHALT CONCRETE FOR MAINTAINING TRAFFIC 78 614 21400 WORK ZONE CENTER LINE, CLASS II	75 5.64	CY MILE	\$170.00 \$500.00	\$12,750.00 \$2,820.00	\$210.00 \$710.00	\$15,750.00 \$4,004.40	\$225.00 \$145.00	\$16,875.00 \$817.80	\$125.00 \$100.00	\$9,375.00 \$564.00	\$200.00 \$800.00	\$15,000.00 \$4,512.00			
79 614 26000 WORK ZONE LEW ER LINE, CLASS I	216	FT	\$5.00	\$1,080.00	\$2.95	\$637.20	\$4.00	\$864.00	\$2.80	\$604.80	\$5.00	\$1,080.00		+	
80 616 10000 WATER	9	MGAL	\$50.00	\$450.00	\$6.00	\$54.00	\$1.00	\$9.00	\$1.00	\$9.00	\$10.00	\$90.00		-	
MAINTENANCE OF TRAFFIC SUBTOTAL				\$42,400.00		\$38,070.60		\$49,365.80		\$26,377.80		\$50,682.00			
INCIDENTALS 81 103 05000 PREMIUM FOR CONTRACT PERFORMANCE BOND AND FOR PAYMENT BOND	1	LS	\$7,500.00	\$7,500.00	\$6,000.00	\$6,000.00	\$6,100.00	\$6,100.00	\$6,000.00	\$6,000.00	\$12,000.00	\$12,000.00	┝───┼─		
81 103 05000 PREMIUM FOR CONTRACT PERFORMANCE BOND AND FOR PAYMENT BOND 82 614 11000 MAINTAINING TRAFFIC	1	LS	\$7,500.00	\$25,000.00	\$6,000.00	\$23,000.00	\$6,100.00	\$20,000.00	\$35,000.00	\$35,000.00	\$12,000.00	\$5,000.00			
83 623 10000 CONSTRUCTION LAYOUT STAKES AND SURVEYING	1	LS	\$15,000.00	\$15,000.00	\$9,250.00	\$9,250.00	\$16,000.00	\$16,000.00	\$15,000.00	\$15,000.00	\$20,000.00	\$20,000.00			
84 624 10000 MOBILIZATION	1	LS	\$40,000.00	\$40,000.00	\$18,000.00	\$18,000.00	\$20,000.00	\$20,000.00	\$40,000.00	\$40,000.00	\$50,000.00	\$50,000.00	⊢		
INCIDENTALS SUBTOTAL	1		1	\$87,500.00	1	\$56,250.00	1	\$62,100.00		\$96,000.00		\$87,000.00	·L		
PROJECT BID SUBTOTAL				\$1,187,923.60		\$1,047,825.14	ŀ	\$1,169,904.05		\$1,181,023.97		\$1,179,451.10			
INFLATION				\$35,700.00				,,							
PROJECT GRAND TOTAL				\$1,223,623.60								*numbers have bee	n corrected due to	mathmatical erro	r

PROJECT GRAND TOTAL