HUR-C.R.60-0.00 (FITCHVILLE RIVER RD.)

OPINION OF PROBABLE CONSTRUCTION COST

REALIGNMENT OF PROSPECT RD. AND PORTION OF FITCHVILLE RIVER RD. WITH RESURFACING ON FITCHVILLE RIVER RD.

ITEM	DESCRIPTION	UNIT COST	QUANTITY	UNIT	TOTAL PROJECT COST
	ROADWAY				
201	CLEARING AND GRUBBING, AS PER PLAN	$ 30,000.00	LS		$ 30,000.00
202	PAVEMENT REMOVED	$ 10.00	35	SY	$ 350.00
202	PAVEMENT REMOVED, ASPHALT	$ 5.00	1465	SY	$ 7,325.00
202	PIPE REMOVED, 24" AND UNDER	$ 15.00	63	FT	$ 945.00
202	GUARDRAIL REMOVED	$ 2.00	986	FT	$ 1,972.00
202	MONUMENT ASSEMBLY REMOVED	$ 100.00	1	EACH	$ 100.00
SPECIAL	PIPE CLEANOUT, 24" AND UNDER	$ 15.00	50	FT	$ 750.00
202	FENCE REMOVED	$ 3.00	1541	FT	$ 4,623.00
203	EXCAVATION	$ 10.00	3997	CY	$ 39,970.00
203	EMBANKMENT	$ 10.00	1122	CY	$ 11,220.00
204	SUBGRADE COMPACTION	$ 2.00	5381	SY	$ 10,762.00
204	EXCAVATION OF SUBGRADE	$ 15.00	256	CY	$ 3,840.00
204	GRANULAR MATERIAL, TYPE B, AS PER PLAN	$ 40.00	256	CY	$ 10,240.00
204	PROOF ROLLING	$ 200.00	4	HOUR	$ 800.00
204	GEOTEXTILE FABRIC	$ 2.00	256	SY	$ 512.00
204	GEOGRID	$ 2.00	256	SY	$ 512.00
209	DITCH CLEANOUT, AS PER PLAN	$ 50.00	400	FT	$ 20,000.00
209	RESHAPING UNDER GUARDRAIL	$ 100.00	17	STA	$ 1,700.00
606	GUARDRAIL, TYPE MGS WITH LONG POSTS	$ 15.00	1125	FT	$ 16,875.00
606	ANCHOR ASSEMBLY, MGS TYPE E	$ 1,820.00	11	EACH	$ 20,020.00
606	ANCHOR ASSEMBLY, MGS TYPE T	$ 725.00	3	EACH	$ 2,175.00
623	MONUMENT ASSEMBLY, AS PER PLAN	$ 950.00	3	EACH	$ 2,850.00
SPECIAL	MAILBOX SUPPORT SYSTEM, SINGLE	$ 175.00	2	EACH	$ 350.00
SPECIAL	MAILBOX SUPPORT SYSTEM, DOUBLE	$ 230.00	1	EACH	$ 230.00
			ROADWAY SUBTOTAL =		**$ 188,121.00**
	EROSION CONTROL				
601	ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC	$ 85.00	2	CY	$ 170.00
659	SOIL ANALYSIS TEST	$ 150.00	2	EACH	$ 300.00
659	TOPSOIL	$ 20.00	1103	CY	$ 22,060.00
659	SEEDING AND MULCHING	$ 1.00	9936	SY	$ 9,936.00
659	REPAIR SEEDING AND MULCHING	$ 1.00	497	SY	$ 497.00
659	INTER-SEEDING	$ 1.00	497	SY	$ 497.00
659	COMMERCIAL FERTILIZER	$ 550.00	1.38	TON	$ 759.00
659	LIME	$ 120.00	2.05	ACRE	$ 246.00
659	WATER	$ 5.00	55	MGAL	$ 275.00
670	SLOPE EROSION PROTECTION	$ 2.00	1884	SY	$ 3,768.00
832	STORM WATER POLLUTION PREVENTION PLAN	$ 15,000.00	LS		$ 15,000.00
832	STORM WATER POLLUTION PREVENTION INSPECTIONS	$ 30,000.00	LS		$ 30,000.00
832	EROSION CONTROL	$ 1.00	25000	EACH	$ 25,000.00
			EROSION CONTROL SUBTOTAL =		**$ 108,508.00**
	DRAINAGE				
602	CONCRETE MASONRY	$ 1,350.00	0.6	CY	$ 810.00
605	AGGREGATE DRAINS	$ 10.00	781	FT	$ 7,810.00
611	6" CONDUIT, TYPE B	$ 25.00	25	FT	$ 625.00
611	6" CONDUIT, TYPE C	$ 25.00	25	FT	$ 625.00
611	8" CONDUIT, TYPE B	$ 50.00	25	FT	$ 1,250.00
611	8" CONDUIT, TYPE D	$ 50.00	28	FT	$ 1,400.00
611	8" CONDUIT, TYPE F	$ 25.00	25	FT	$ 625.00
611	12" CONDUIT, TYPE B	$ 65.00	25	FT	$ 1,625.00
611	12" CONDUIT, TYPE C	$ 55.00	50	FT	$ 2,750.00
611	12" CONDUIT, TYPE D	$ 45.00	60	FT	$ 2,700.00
611	15" CONDUIT, TYPE A, 706.02	$ 100.00	50	FT	$ 5,000.00
611	INLET, SIDE DITCH	$ 1,500.00	2	EACH	$ 3,000.00
			DRAINAGE SUBTOTAL =		**$ 28,220.00**

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REALIGNMENT OF PROSPECT RD. AND PORTION OF FITCHVILLE RIVER RD. WITH RESURFACING ON FITCHVILLE RIVER RD.

ITEM	DESCRIPTION	UNIT COST	QUANTITY	UNIT	TOTAL PROJECT COST
	PAVEMENT				
253	PAVEMENT REPAIR, AS PER PLAN	$ 50.00	200	SY	$ 10,000.00
254	PAVEMENT PLANING, ASPHALT CONCRETE (1.5" THICK)	$ 2.00	29125	SY	$ 58,250.00
302	ASPHALT CONCRETE BASE, PG64-22	$ 110.00	860	CY	$ 94,600.00
304	AGGREGATE BASE, AS PER PLAN	$ 55.00	904	CY	$ 49,720.00
407	TACK COAT	$ 2.00	4962	GAL	$ 9,924.00
411	STABILIZED CRUSHED AGGREGATE	$ 60.00	223	CY	$ 13,380.00
441	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), AS PER PLAN	$ 165.00	1252	CY	$ 206,580.00
441	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), AS PER PLAN	$ 155.00	1628	CY	$ 252,340.00
617	COMPACTED AGGREGATE	$ 55.00	249	CY	$ 13,695.00
617	SHOULDER PREPARATION	$ 1.00	2987	SY	$ 2,987.00
				PAVEMENT SUBTOTAL =	**$ 711,476.00**
	TRAFFIC CONTROL				
630	GROUND MOUNTED SUPPORT, NO. 2 POST	$ 11.61	28.5	FT	$ 331.00
630	GROUND MOUNTED SUPPORT, NO. 3 POST	$ 15.00	386.0	FT	$ 5,790.00
630	GROUND MOUNTED SUPPORT, NO. 4 POST (SQUARE POST)	$ 16.00	58.4	FT	$ 934.40
630	STREET NAME SIGN SUPPORT, NO. 2 POST	$ 13.00	41.8	FT	$ 543.40
630	SIGN POST REFLECTOR	$ 50.00	32	EACH	$ 1,600.00
630	SIGN, FLAT SHEET	$ 16.00	342.8	SF	$ 5,484.80
630	SIGN, DOUBLE FACED, STREET NAME	$ 30.00	7	EACH	$ 210.00
630	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	$ 16.00	35	EACH	$ 560.00
630	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	$ 16.00	30	EACH	$ 480.00
642	EDGE LINE, 4"	$ 500.00	5.77	MILE	$ 2,885.00
642	CENTER LINE	$ 600.00	2.82	MILE	$ 1,692.00
642	STOP LINE	$ 11.00	108	FT	$ 1,188.00
				TRAFFIC CONTROL SUBTOTAL =	**$ 21,698.60**
	MAINTENANCE OF TRAFFIC				
410	TRAFFIC COMPACTED SURFACE, TYPE A OR B	$ 60.00	100	CY	$ 6,000.00
614	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	$ 70.00	40	HOUR	$ 2,800.00
614	DETOUR SIGNING	$ 15,000.00	LS		$ 15,000.00
614	WORK ZONE MARKING SIGN	$ 100.00	15	EACH	$ 1,500.00
614	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	$ 170.00	75	CY	$ 12,750.00
614	WORK ZONE CENTER LINE, CLASS II	$ 500.00	5.64	MILE	$ 2,820.00
614	WORK ZONE STOP LINE, CLASS I	$ 5.00	216	FT	$ 1,080.00
616	WATER	$ 50.00	9	MGAL	$ 450.00
				MAINTENANCE OF TRAFFIC TOTAL =	**$ 42,400.00**
	INCIDENTALS				
103	PREMIUM FOR CONTRACT PERFORMANCE BOND AND FOR PAYMENT BOND	$ 7,500.00	LS		$ 7,500.00
614	MAINTAINING TRAFFIC	$ 25,000.00	LS		$ 25,000.00
623	CONSTRUCTION LAYOUT STAKES AND SURVEYING	$ 15,000.00	LS		$ 15,000.00
624	MOBILIZATION	$ 40,000.00	LS		$ 40,000.00
				INCIDENTALS TOTAL =	**$ 87,500.00**
				SUB TOTAL =	**$ 1,187,923.60**
		0.0%		***DESIGN CONTINGENCY =***	**$ -**
		3.00%		***INFLATION =***	**$ 35,700.00**

OPINION OF PROBABLE CONSTRUCTION COST PROJECT TOTAL = $ 1,223,623.60

STATE OF OHIO
61571
REGISTERED
PROFESSIONAL ENGINEER

11/20/2019
RICHLAND ENGINEERING LIMITED

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