

ROXIE AVENUE PHASE I DRAINAGE IMPROVEMENTS					
STREET CONSTRUCTION AND STORM DRAINAGE				Billy Bill Grading Co., Inc.	
ITEM	ITEM DESCRIPTION	QUANTITIES	UNIT	UNIT PRICE	AMOUNT
1	Mobilization, Bonds, Insurance and Permits	1	LS	\$ 115,000.00	\$ 115,000.00
2	Traffic Control	1	LS	\$ 46,000.00	\$ 46,000.00
3	Erosion Control	1	LS	\$ 94,572.00	\$ 94,572.00
4	Remove & Dispose of Existing Asphalt Pavement, (and corresponding base)	4800	SY	\$ 24.00	\$ 115,200.00
5	Permanent Pavement Patch, (2" thick S 9.5 B and 8" ABC)	4800	SY	\$ 65.00	\$ 312,000.00
6	Remove & Replace Existing Concrete Driveway, (7" thick)	9	SY	\$ 166.00	\$ 1,494.00
7	Remove & Replace Existing Concrete Roll Curb and Gutter, (24", SD-1)	2500	LF	\$ 41.00	\$ 102,500.00
8	Remove & Replace Existing Gravel Driveway	95	SY	\$ 36.00	\$ 3,420.00
9	Install Asphalt Wedge Curb	70	LF	\$ 26.00	\$ 1,820.00
10	Thermoplastic Pavement Markings, (120 mils)	70	LF	\$ 18.00	\$ 1,260.00
11	Clearing and Grubbing, (to include all shrubs and trees, brush, vegetation and stumps)	2	AC	\$ 70,902.00	\$ 141,804.00
12	Undercut Excavation	300	CY	\$ 86.00	\$ 25,800.00
13	Select Borrow Material	2,000	CY	\$ 31.00	\$ 62,000.00
14	Remove & Dispose of Existing Reinforced Concrete Pipe Culvert, (36")	70	LF	\$ 38.00	\$ 2,660.00
15	Remove & Dispose of Existing Reinforced Concrete Pipe Culvert, (15")	16	LF	\$ 24.00	\$ 384.00
16	Remove & Dispose of Existing Catch Basin, (0'-6' depth)	7	EA	\$ 980.00	\$ 6,860.00
17	Remove & Dispose of Existing Catch Basin, (6'-8' depth)	2	EA	\$ 1,191.00	\$ 2,382.00
18	Remove & Dispose of Existing Manhole, (0'-6' depth)	4	EA	\$ 862.00	\$ 3,448.00
19	Remove & Dispose of Existing Manhole, (6'-8' depth)	2	EA	\$ 943.00	\$ 1,886.00
20	Remove & Dispose of Existing Manhole, (10'-12' depth)	1	EA	\$ 1,501.00	\$ 1,501.00
21	Remove & Dispose of Existing Flared End Section	2	EA	\$ 694.00	\$ 1,388.00
22	Remove & Dispose of Existing Drop Inlet	3	EA	\$ 980.00	\$ 2,940.00
23	Install Concrete Pipe Plug	2	CY	\$ 908.00	\$ 1,816.00
24	Grout Fill Existing (15") Reinforced Concrete Pipe Culvert	2	CY	\$ 673.00	\$ 1,346.00
25	Grout Fill Existing (24") Reinforced Concrete Pipe Culvert	18	CY	\$ 417.00	\$ 7,506.00
26	Grout Fill Existing (36") Reinforced Concrete Pipe Culvert	25	CY	\$ 416.00	\$ 10,400.00
27	Grout Fill Existing Manhole	4	CY	\$ 411.00	\$ 1,644.00
28	(18", Class III, 0'-6' depth) Reinforced Concrete Pipe Culvert and Bedding Stone (minimum 6" depth)	71	LF	\$ 254.00	\$ 18,034.00
29	(24", Class IV, 0'-6' depth) Reinforced Concrete Pipe Culvert and Bedding Stone (minimum 6" depth)	929	LF	\$ 271.00	\$ 251,759.00
30	(36", Class IV, 0'-6' depth) Reinforced Concrete Pipe Culvert and Bedding Stone (minimum 6" depth)	78	LF	\$ 324.00	\$ 25,272.00
31	(18", Class III, 0'-6' depth) Reinforced Concrete Pipe, Remove & Dispose of Existing (12") Reinforced Concrete Pipe and Install Bedding Stone (minimum 6" depth)	17	LF	\$ 295.00	\$ 5,015.00
32	(15", Class IV, 0'-6' depth) Reinforced Concrete Pipe, Remove & Dispose of Existing (15") Reinforced Concrete Pipe and Install Bedding Stone (minimum 6" depth)	11	LF	\$ 300.00	\$ 3,300.00
33	(18", Class III, 0'-6' depth) Reinforced Concrete Pipe, Remove & Dispose of Existing (15") Reinforced Concrete Pipe and Install Bedding Stone (minimum 6" depth)	52	LF	\$ 296.00	\$ 15,392.00
34	(18", Class III, 0'-6' depth) Reinforced Concrete Pipe, Remove & Dispose of Existing (24") Reinforced Concrete Pipe and Install Bedding Stone (minimum 6" depth)	9	LF	\$ 300.00	\$ 2,700.00
35	(24", Class III, 0'-6' depth) Reinforced Concrete Pipe, Remove & Dispose of Existing (24") Reinforced Concrete Pipe and Install Bedding Stone (minimum 6" depth)	23	LF	\$ 302.00	\$ 6,946.00
36	(24", Class III, 10'-12' depth) Reinforced Concrete Pipe, Remove & Dispose of Existing (24") Reinforced Concrete Pipe and Install Bedding Stone (minimum 6" depth)	6	LF	\$ 329.00	\$ 1,974.00
37	(36", Class IV, 0'-6' depth) Reinforced Concrete Pipe, Remove & Dispose of Existing (24") Reinforced Concrete Pipe and Install Bedding Stone (minimum 6" depth)	158	LF	\$ 355.00	\$ 56,090.00
38	(30", Class IV, 0'-6' depth) Reinforced Concrete Pipe, Remove & Dispose of Existing (30") Reinforced Concrete Pipe and Install Bedding Stone (minimum 6" depth)	12	LF	\$ 349.00	\$ 4,188.00
39	(18", Class III, 0'-6' depth) Reinforced Concrete Pipe, Remove & Dispose of Existing (36") Reinforced Concrete Pipe and Install Bedding Stone (minimum 6" depth)	11	LF	\$ 305.00	\$ 3,355.00
40	(36", Class III, 10'-12' depth) Reinforced Concrete Pipe, Remove & Dispose of Existing (36") Reinforced Concrete Pipe and Install Bedding Stone (minimum 6" depth)	6	LF	\$ 376.00	\$ 2,256.00
41	(48", Class III, 6'-8' depth) Reinforced Concrete Pipe, Remove & Dispose of Existing (36") Reinforced Concrete Pipe and Install Bedding Stone (minimum 6" depth)	28	LF	\$ 391.00	\$ 10,948.00
42	(48", Class III, 8'-10' depth) Reinforced Concrete Pipe, Remove & Dispose of Existing (36") Reinforced Concrete Pipe and Install Bedding Stone (minimum 6" depth)	76	LF	\$ 409.00	\$ 31,084.00
43	(48", Class III, 10'-12' depth) Reinforced Concrete Pipe, Remove & Dispose of Existing (36") Reinforced Concrete Pipe and Install Bedding Stone (minimum 6" depth)	196	LF	\$ 436.00	\$ 85,456.00
44	(5'x3', 0'-6' depth) R C Box Culvert, Remove & Dispose of Existing (36") Reinforced Concrete Pipe and Install Bedding Stone (minimum 6" depth)	315	LF	\$ 735.00	\$ 231,525.00
45	(8'x3', 0'-6' depth) R C Box Culvert, Remove & Dispose of Existing (36") Reinforced Concrete Pipe and Install Bedding Stone (minimum 6" depth)	483	LF	\$ 902.00	\$ 435,666.00
46	Install Pipe Collar, (NCDOT STD 840.72)	7	EA	\$ 3,299.00	\$ 23,093.00
47	Rip Rap, (Class 1)	42	TN	\$ 95.00	\$ 3,990.00
48	Furnish, Install Custom Drop Inlet (Structure 2) and Bedding Stone (minimum 6" depth)	1	EA	\$ 39,043.00	\$ 39,043.00
49	Furnish, Install Custom Junction Box (Structure 3) and Bedding Stone (minimum 6" depth)	1	EA	\$ 38,574.00	\$ 38,574.00
50	Furnish, Install Custom Junction Box (Structure 5) and Bedding Stone (minimum 6" depth)	1	EA	\$ 27,766.00	\$ 27,766.00
51	Furnish, Install Custom Junction Box (Structure 6) and Bedding Stone (minimum 6" depth)	1	EA	\$ 26,141.00	\$ 26,141.00
52	Furnish, Install Custom Junction Box (Structure 18) and Bedding Stone (minimum 6" depth)	1	EA	\$ 26,141.00	\$ 26,141.00
53	Furnish, Install Custom Headwall (Structure 1) and Bedding Stone (minimum 6" depth)	1	EA	\$ 26,466.00	\$ 26,466.00
54	Furnish, Install Custom Bend (Structure 4) and Bedding Stone (minimum 6" depth)	1	EA	\$ 21,544.00	\$ 21,544.00
55	Furnish, Install Custom Junction Box with Inlet (Structure 17) and Bedding Stone (minimum 6" depth)	1	EA	\$ 20,949.00	\$ 20,949.00
56	Install Catch Basin (0'-6' depth, COF Std DR-3) and Bedding Stone (minimum 6" depth)	13	EA	\$ 5,027.00	\$ 65,351.00
57	Install Catch Basin (10'-12' depth, COF Std DR-3) and Bedding Stone (minimum 6" depth)	1	EA	\$ 10,486.00	\$ 10,486.00
58	Install Manhole (0'-6' depth, COF Std DR-6) and Bedding Stone (minimum 6" depth)	10	EA	\$ 5,909.00	\$ 59,090.00
59	Install Manhole (10'-12' depth, NCDOT STD 840.52) and Bedding Stone (minimum 6" depth)	1	EA	\$ 9,927.00	\$ 9,927.00
ITEM	ITEM DESCRIPTION	QUANTITIES	UNIT	UNIT PRICE	AMOUNT

60	Sod, (Centipede)	4000	SY	\$	14.00	\$	56,000.00
61	Relocate Existing Shed	2	EA	\$	3,100.00	\$	6,200.00
62	Remove & Dispose of Existing Wood Privacy Fence (6' height)	210	LF	\$	14.00	\$	2,940.00
63	Install New Wood Privacy Fence (6' height)	210	LF	\$	42.00	\$	8,820.00
64	Install, Maintain and Remove Temporary Barrier Fence	500	LF	\$	23.00	\$	11,500.00
65	Remove & Dispose of Existing Chain-Link Fence, (4' height)	176	LF	\$	14.00	\$	2,464.00
66	Install New Chain-Link Fence, (4' height)	176	LF	\$	41.00	\$	7,216.00
67	Remove and Re-Install the Existing Chain-Link Fence, (6' height)	41	LF	\$	62.00	\$	2,542.00
68	Foundation Protection at 1205 Martindale Drive	1	EA	\$	34,270.00	\$	34,270.00
TOTAL STREET CONSTRUCTION AND STORM DRAINAGE						\$	2,790,504.00
WATER UTILITIES AND SANITARY SEWER UTILITIES							
ITEM	ITEM DESCRIPTION	QUANTITIES	UNIT	UNIT PRICE		AMOUNT	
69	Mobilization, Bonds, Insurance and Permits	1	LS	\$	46,000.00	\$	46,000.00
70	Traffic Control	1	LS	\$	46,000.00	\$	46,000.00
71	Erosion Control	1	LS	\$	37,375.00	\$	37,375.00
72	Install (1") Water Service, Type K Soft Copper Lateral and Abandon Existing Services	17	EA	\$	4,050.00	\$	68,850.00
73	Water Main Kill Out (8") Water Line	3	EA	\$	4,375.00	\$	13,125.00
74	Remove & Dispose of Existing (8") PVC Water Line	164	LF	\$	16.00	\$	2,624.00
75	(8") Restrained Joint Ductile Iron Pipe Water Line and Install Bedding Material	214	LF	\$	91.00	\$	19,474.00
76	Tapping Sleeve and Valve, (8"x8"x8")	3	EA	\$	8,164.00	\$	24,492.00
77	(8") Restrained Joint Ductile Iron 45 degree Bend	18	EA	\$	2,156.00	\$	38,808.00
78	(8") Ductile Iron Pipe to PVC Coupling	2	EA	\$	7,815.00	\$	15,630.00
79	(8") Gate Valve with Valve Box	1	EA	\$	1,981.00	\$	1,981.00
80	Fire Hydrant Assembly	1	EA	\$	4,809.00	\$	4,809.00
81	(8") Restrained Joint Ductile Iron Tee	1	EA	\$	1,479.00	\$	1,479.00
82	(8") Plug with (2") Tap	1	EA	\$	834.00	\$	834.00
83	Ball Corporation Stop, (2")	1	EA	\$	1,203.00	\$	1,203.00
84	Sterilization and Testing, Water	214	LF	\$	26.00	\$	5,564.00
85	Connect Sanitary Sewer Main to Existing Manhole	5	EA	\$	3,973.00	\$	19,865.00
86	Remove & Dispose of Existing Cleanout and (4") Sewer Service	586	LF	\$	15.00	\$	8,790.00
87	(4") Ductile Iron Pipe Sewer Service and Cleanout and Install Bedding Material	617	LF	\$	168.00	\$	103,656.00
88	Sanitary Sewer Coupling	5	EA	\$	2,796.00	\$	13,980.00
89	(8", Class 53, 6'-8' depth) Ductile Iron Pipe Sanitary Sewer, Remove & Dispose of Existing (8") PVC Sanitary Sewer and Install Bedding Material	211	LF	\$	729.00	\$	153,819.00
90	(12", Class 53, 6'-8' depth) Ductile Iron Pipe Sanitary Sewer, Remove & Dispose of Existing (12") PVC Sanitary Sewer and Install Bedding Material	40	LF	\$	1,327.00	\$	53,080.00
91	Sanitary Sewer Pipe and Manhole Testing	1	LS	\$	15,474.00	\$	15,474.00
TOTAL WATER UTILITIES AND SANITARY SEWER UTILITIES						\$	696,912.00
TOTAL PROJECT COST						\$	3,487,416.00