

2016 Road, Sewer & Water Rehabilitation Program  
Section # 16-00114-00-FP

Engineers Cost Estimate  
Project Cost - TOTAL OVERVIEW

No.	Line Item Description	Unit	Unit Price	Quantity	Extension
1	Dust Control Watering	UT	\$ 20.00	325.0	\$6,500.00
2	One Year Guarantee (Non-MFT)	LS	\$ 500.00	1.0	\$500.00
3	Supplemental Watering	UT	\$ 10.00	150.0	\$1,500.00
4	Trench Backfill	CY	\$ 45.00	1,640.0	\$73,800.00
5	Topsoil Furnish and Place	CY	\$ 25.00	1,798.5	\$44,962.50
6	Exploratory Excavation	EA	\$ 200.00	8.0	\$1,600.00
7	Tree Root Pruning	EA	\$ 200.00	15.0	\$3,000.00
8	Seeding, Class 1	SY	\$ 1.35	3,806.0	\$5,138.10
9	Seeding Behind Curb	LF	\$ 1.75	7,747.0	\$13,557.25
10	Erosion Control Blanket	SY	\$ 1.50	11,943.0	\$17,914.50
11	Sodding	SY	\$ 5.00	11,943.0	\$59,715.00
12	Inlet Filters	EA	\$ 150.00	179.0	\$26,850.00
13	Perimeter Erosion Barrier	LF	\$ 10.00	50.0	\$500.00
14	PCC Base Course Widening, 7"	SY	\$ 30.00	1,708.0	\$51,240.00
15	Hot-Mix Asphalt - Driveway Pavement, 2"	SY	\$ 27.00	1,715.0	\$46,305.00
16	Aggregate for Temporary Access	TN	\$ 20.00	150.0	\$3,000.00
17	Bituminous Materials (Prime Coat)	GA	\$ 0.01	17,545.0	\$175.45
18	Aggregate Prime	TN	\$ 0.01	90.8	\$0.91
19	Hot-Mix Asphalt Surface Course, Mix "D", N50	TN	\$ 75.00	7,420.0	\$556,500.00
20	Leveling Binder (Machine Method), N50	TN	\$ 75.00	7,140.0	\$535,500.00
21	Hot-Mix Asphalt Binder Course, IL-19.0, N50	TN	\$ 70.00	1,000.0	\$70,000.00
22	PCC Driveway Pavement, 5"	SY	\$ 32.00	2,985.0	\$95,520.00
23	PCC Sidewalk, 4"	SF	\$ 3.75	9,705.0	\$36,393.75
24	Detectable Warnings	EA	\$ 170.00	79.0	\$13,430.00
25	Combination Curb & Gutter Removal	LF	\$ 4.75	15,790.0	\$75,002.50
26	Hot-Mix Asphalt Surface Removal, Variable Depth	SY	\$ 3.00	83,804.0	\$251,412.00
27	Sidewalk Removal	SF	\$ 0.80	9,705.0	\$7,764.00
28	Driveway Pavement Removal	SY	\$ 10.00	4,700.0	\$47,000.00
29	Class D Patching, Type II, 4"	SY	\$ 45.00	50.0	\$2,250.00
30	Class D Patching, Type III, 4"	SY	\$ 40.00	50.0	\$2,000.00
31	Class D Patching, Type IV, 4"	SY	\$ 30.00	700.0	\$21,000.00
32	Class D Patching, Type II, 9"	SY	\$ 65.00	30.0	\$1,950.00
33	Class D Patching, Type III, 9"	SY	\$ 70.00	30.0	\$2,100.00
34	Class D Patching, Type IV, 9"	SY	\$ 50.00	1,140.0	\$57,000.00
35	Class D Patching, Type II, 12"	SY	\$ 120.00	35.0	\$4,200.00
36	Cold Patch	TN	\$ 110.00	100.0	\$11,000.00
37	Storm Sewers, PVC, SDR-26, 4"	LF	\$ 77.00	20.0	\$1,540.00
38	Storm Sewers, PVC, SDR-26, 6"	LF	\$ 79.00	20.0	\$1,580.00
39	Storm Sewers, PVC, SDR-26, 10"	LF	\$ 80.00	20.0	\$1,600.00
40	Storm Sewers, PVC, SDR-26, 12"	LF	\$ 70.00	20.0	\$1,400.00
41	Storm Sewers, PVC, SDR-26, 8" Water Quality Pipe	LF	\$ 65.00	20.0	\$1,300.00
42	Storm Sewers, PVC, SDR-26, 10" Water Quality Pipe	LF	\$ 70.00	78.0	\$5,460.00
43	Storm Sewers, PVC, SDR-26, 12" Water Quality Pipe	LF	\$ 75.00	40.0	\$3,000.00
44	Storm Sewers, PVC, SDR-26, 15" Water Quality Pipe	LF	\$ 100.00	20.0	\$2,000.00
45	Sanitary Sewers, PVC, SDR-26, 6"	LF	\$ 49.00	20.0	\$980.00
46	Sanitary Sewers, PVC, SDR-26, 8"	LF	\$ 110.00	20.0	\$2,200.00
47	Sanitary Sewers, PVC, SDR-26, 8" Water Quality Pipe	LF	\$ 110.00	92.0	\$10,120.00
48	Water Main, DIP, CL52, Push Joints, Trenched, 6"	LF	\$ 70.00	90.0	\$6,300.00
49	Water Main, DIP, CL52, Push Joints, Trenched, 8"	LF	\$ 70.00	2,422.0	\$169,540.00
50	Water Main, DIP, Restrained Joints, Horizontal Directional Drill, 8"	LF	\$ 140.00	100.0	\$14,000.00
51	Water Main, DIP, Restrained Joints, Trenched & Encased, 8"	LF	\$ 140.00	24.0	\$3,360.00
52	Polyethylene Encasement	LF	\$ 0.60	2,762.0	\$1,657.20
53	Water Valves, 8"	EA	\$ 2,200.00	4.0	\$8,800.00
54	Fire Hydrants	EA	\$ 5,000.00	6.0	\$30,000.00
55	Cut & Install Endcaps	EA	\$ 2,500.00	2.0	\$5,000.00
56	Water Service Line, 1"	LF	\$ 10.00	500.0	\$5,000.00
57	Water Service Line, 1 1/4"	LF	\$ 20.00	15.0	\$300.00
58	Water Service Line, 1 1/2"	LF	\$ 30.00	30.0	\$900.00
59	Water Service Complete	EA	\$ 1,600.00	18.0	\$28,800.00
60	Adjust Sanitary Sewer 8" or Less	LF	\$ 13.00	330.0	\$4,290.00

61	Fire Hydrants To Be Removed	EA	\$ 400.00	4.0	\$1,600.00
62	Domestic Water Service Box Replacement	EA	\$ 1,200.00	2.0	\$2,400.00
63	Manholes 4' Dia, T1FCL, < 8'	EA	\$ 2,600.00	4.0	\$10,400.00
64	Sanitary Manholes 4' Dia, T1FCL, < 8', Chimney Seal	EA	\$ 4,000.00	1.0	\$4,000.00
65	Catch Basins, 2' Dia, 3010-A	EA	\$ 2,000.00	3.0	\$6,000.00
66	Catch Basins, 3' Dia, 3010-A	EA	\$ 2,000.00	42.0	\$84,000.00
67	Catch Basins, 3' Dia, 3010-L	EA	\$ 2,000.00	7.0	\$14,000.00
68	Catch Basins, 3' Dia, 3210-A	EA	\$ 2,000.00	5.0	\$10,000.00
69	Catch Basins, 3' Dia, 3210-L	EA	\$ 2,000.00	1.0	\$2,000.00
70	Catch Basins, 3' Dia, T1FOL	EA	\$ 1,900.00	1.0	\$1,900.00
71	Valve Boxes To Be Adjusted	EA	\$ 200.00	2.0	\$400.00
72	Domestic Water Service Box Adjustment	UT	\$ 200.00	4.0	\$800.00
73	Sanitary Manholes To Be Adjusted	LS	\$ 500.00	2.0	\$1,000.00
74	Manhole To Be Adjusted	UT	\$ 400.00	11.0	\$4,400.00
75	Manholes To Be Adjusted With New Frame and Lid, T1FCL	CY	\$ 550.00	3.0	\$1,650.00
76	Manholes To Be Reconstructed With New Frame and Lid, T1FCL	CY	\$ 2,500.00	1.0	\$2,500.00
77	Manholes To Be Reconstructed With New Frame and Lid, T1FOL	EA	\$ 2,500.00	1.0	\$2,500.00
78	Sanitary Manholes To Be Adjusted With New Frame & Lid, T1FCL, Chimney Seal	EA	\$ 600.00	17.0	\$10,200.00
79	Catch Basins To Be Adjusted With New Frame and Grate, T1FOL	SY	\$ 600.00	1.0	\$600.00
80	Catch Basins To Be Adjusted With New Frame and Grate, 3010-A	LF	\$ 600.00	22.0	\$13,200.00
81	Catch Basins To Be Adjusted With New Frame and Grate, 3010-L	SY	\$ 600.00	1.0	\$600.00
82	Catch Basins To Be Adjusted With New Frame and Grate, 3210-A	SY	\$ 600.00	2.0	\$1,200.00
83	Combination Concrete Curb & Gutter, B-6.12	EA	\$ 15.00	4,720.0	\$70,800.00
84	Combination Concrete Curb & Gutter, B-6.18	LF	\$ 16.00	50.0	\$800.00
85	Combination Concrete Curb & Gutter, M-3.12	SY	\$ 15.00	5,940.0	\$89,100.00
86	Combination Concrete Curb & Gutter, M-3.18	SY	\$ 16.00	4,800.0	\$76,800.00
87	Traffic Control & Protection	TN	\$ 50,000.00	1.0	\$50,000.00
88	Paint Pavement Marking - Line, 4"	GA	\$ 0.35	7,657.0	\$2,679.95
89	Paint Pavement Marking - Line, 6"	TN	\$ 0.80	126.0	\$100.80
90	Paint Pavement Marking - Line, 12"	TN	\$ 1.00	90.0	\$90.00
91	Paint Pavement Marking - Line, 24"	TN	\$ 2.00	530.0	\$1,060.00
92	Paint Pavement Marking - Letters & Symbols	TN	\$ 2.00	197.9	\$395.80
93	Aggregate Shoulder Type A, Variable Width	SY	\$ 20.00	27.0	\$540.00
94	Detector Loop, Type I	SF	\$ 20.00	180.0	\$3,600.00
					\$2,926,724.71