

Kenwood Avenue Cost Estimate					
Item Description	Estimated Quantity	UOM	Unit Price	Total Price	Notes
Materials					
12 " SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	38.00	LF	\$12.50	\$475.00	
15 " SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	173.00	LF	\$16.60	\$2,871.80	
18 " SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	203.00	LF	\$21.60	\$4,384.80	
24 " SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	245.00	LF	\$34.99	\$8,572.55	
30" SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	36.00	LF	\$51.66	\$1,859.76	
Type 4 INLET BOX WITH MANHOLE TOP	1.00	EA	\$1,040.00	\$1,040.00	
STANDARD INLET BOX WITH MANHOLE TOP	2.00	EA	\$955.00	\$1,910.00	
STANDARD INLET BOX WITH TYPE M TOP AND STANDARD GRATE	4.00	EA	\$1,016.00	\$4,064.00	
STANDARD INLET BOX WITH STEEL INLET FRAME AND GRATE	1.00	EA	\$1,397.00	\$1,397.00	
STANDARD INLET BOX WITH TYPE C TOP AND STANDARD GRATE	3.00	EA	\$1,397.00	\$4,191.00	
TYPE D-W ENDWALL	1.00	EA	\$800.00	\$800.00	
2A AGGREGATE	250.00	TON	\$13.50	\$3,375.00	
AASHTO #57 AGGREGATE	250.00	TON	\$16.50	\$4,125.00	
R-5 RIP RAP	30.00	TON	\$29.56	\$886.80	
CLASS 4, TYPE A GEOTEXTILE	23.00	SY	\$1.91	\$43.93	
TEMPORARY PAVING	20.00	TON	\$66.00	\$1,320.00	
LANDSCAPE RESTORATION	1.00	LS	\$2,000.00	\$2,000.00	
Materials Total				\$43,316.64	
Labor					
MOBILIZATION	1.00	DAY	\$1,274.08	\$1,274.08	
PROJECT LABOR - INCLUDING EQUIPMENT	25.00	DAY	\$1,821.37	\$45,534.25	
Labor Total				\$46,808.33	
Services Provided By Others/Rentals					
EQUIPMENT HAULING	1.00	LS	\$550.00	\$550.00	Hauling of 245 Excavator
Services Provided By Others/Rentals Total				\$550.00	
Project Subtotal				\$90,674.97	
5% Contingency				\$4,533.75	
Project Total				\$95,208.72	
<div>Assumptions</div> <div>1) Quantities based on current design</div> <div>2) Equipment hauling covers mobilization only. Demobilization will be charged as mobilization to future project.</div> <div>3) Mobilization labor is man labor only, no equipment.</div> <div>4) Crew will complete topsoil, seeding, and temporary paving, all other restoration will be completed by contractor.</div>					

Savings Review	
Contractor	\$215,520.90
Crew	\$95,208.72
Savings	\$120,312.18

Tyler Drive Cost Estimate					
Item Description	Estimated Quantity	UOM	Unit Price	Total Price	Notes
Materials					
18 " SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	501.00	LF	\$21.60	\$10,821.60	
24 " SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	90.00	LF	\$34.99	\$3,149.10	
STANDARD INLET BOX WITH MANHOLE TOP	1.00	EA	\$955.00	\$955.00	
STANDARD INLET BOX WITH TYPE M TOP AND STANDARD GRATE	8.00	EA	\$1,016.00	\$8,128.00	
TYPE 4 INLET BOX WITH TYPE C TOP AND STANDARD GRATE	4.00	EA	\$1,397.00	\$5,588.00	
2A AGGREGATE	200.00	TON	\$13.50	\$2,700.00	
AASHTO #57 AGGREGATE	185.00	TON	\$16.50	\$3,052.50	
TEMPERARY PAVING	20.00	TON	\$66.00	\$1,320.00	
LANDSCAPE RESTORATION	1.00	LS	\$2,000.00	\$2,000.00	
Materials Total				\$37,714.20	
Labor					
MOBILIZATION	1.00	DAY	\$1,274.08	\$1,274.08	
PROJECT LABOR - INCLUDING EQUIPTMENT	30.00	DAY	\$1,821.37	\$54,641.10	
Labor Total				\$55,915.18	
Services Provided By Others/Rentals					
EQUIPMENT HAULING	1.00	LS	\$550.00	\$550.00	Hauling of 245 Excavator
Services Provided By Others/Rentals Total				\$550.00	
Project Subtotal				\$94,179.38	
5% Contingency				\$4,708.97	
Project Total				\$98,888.35	
<div>Assumptions</div> <div>1) Quantities based on current design</div> <div>2) Equipment hauling covers mobilization only. Demobilization will be charged as mobilization to future project.</div> <div>3) Mobilization labor is man labor only, no equiptment.</div> <div>4) Crew will complete topsoil, seeding, and temporary paving, all other restoration will be completed by contractor.</div>					

Savings Review	
Contractor	\$202,673.10
Crew	\$98,888.35
Savings	\$103,784.75

Devonshire Heights Cost Estimate					
Item Description	Estimated Quantity	UOM	Unit Price	Total Price	Notes
Materials					
15 " SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	292.00	LF	\$16.60	\$4,847.20	
18 " SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	409.00	LF	\$21.60	\$8,834.40	
STANDARD INLET BOX WITH TYPE M TOP AND STANDARD GRATE	7.00	EA	\$1,016.00	\$7,112.00	
STANDARD INLET BOX WITH STEEL INLET FRAME AND GRATE	4.00	EA	\$1,397.00	\$5,588.00	
TYPE D-W ENDWALL	2.00	EA	\$800.00	\$1,600.00	
2A AGGREGATE	270.00	TON	\$13.50	\$3,645.00	
AASHTO #57 AGGREGATE	270.00	TON	\$16.50	\$4,455.00	
R-5 RIP RAP	42.00	TON	\$29.56	\$1,241.52	
CLASS 4, TYPE A GEOTEXTILE	36.00	SY	\$1.91	\$68.76	
TEMPERARY PAVING	40.00	TON	\$66.00	\$2,640.00	
LANDSCAPE RESTORATION	1.00	LS	\$2,000.00	\$2,000.00	
Materials Total				\$42,031.88	
Labor					
MOBILIZATION	1.00	DAY	\$1,274.08	\$1,274.08	
PROJECT LABOR - INCLUDING EQUIPTMENT	33.00	DAY	\$1,821.37	\$60,105.21	
Labor Total				\$61,379.29	
Services Provided By Others/Rentals					
EQUIPTMENT HAULING	1.00	LS	\$550.00	\$550.00	Hauling of 245 Excavator
Services Provided By Others/Rentals Total				\$550.00	
Project Subtotal				\$103,961.17	
5% Contingency				\$5,198.06	
Project Total				\$109,159.23	
<div>Assumptions</div> <div>1) Quantities based on current design</div> <div>2) Equipment hauling covers mobilization only. Demobilization will be charged as mobilization to future project.</div> <div>3) Mobilization labor is man labor only, no equiptment.</div> <div>4) Crew will complete topsoil, seeding, and temporary paving, all other restoration will be completed by contractor.</div>					

Savings Review	
Contractor	\$216,306.30
Crew	\$109,159.23
Savings	\$107,147.07

Crums Mill Road Culvert at Laraby Drive Cost Estimate					
Item Description	Estimated Quantity	UOM	Unit Price	Total Price	Notes
Materials					
36" SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	41	LF	\$75.50	\$3,095.50	
18" SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	37	LF	\$21.60	\$799.20	
STANDARD INLET BOX WITH TYPE M TOP AND STANDARD GRATE	1	EA	\$1,226.00	\$1,226.00	
STANDARD INLET BOX WITH TYPE M TOP AND STEEL INLET FRAME AND GRATE	1	EA	\$1,016.00	\$1,016.00	
TYPE D-W ENDWALL	1	EA	\$800.00	\$800.00	
2A AGGREGATE	45	TON	\$13.50	\$607.50	
AASHTO #57 AGGREGATE	40	TON	\$16.50	\$660.00	
R-6 RIP RAP	15	TON	\$29.56	\$443.40	
CLASS 4, TYPE A GEOTEXTILE	10	SY	\$1.91	\$19.10	
TEMPERARY PAVING	10	TON	\$66.00	\$660.00	
LANDSCAPE RESTORATION	1	LS	\$1,000.00	\$1,000.00	
Materials Total				\$10,326.70	
Labor					
MOBILIZATION	1	DAY	\$1,274.08	\$1,274.08	
PROJECT LABOR - INCLUDING EQUIPTMENT	9	DAY	\$1,821.37	\$16,392.33	
Labor Total				\$17,666.41	
Services Provided By Others/Rentals					
EQUIPTMENT HAULING	1	LS	\$550.00	\$550.00	Hauling of 245 Excavator
Services Provided By Others/Rentals Total				\$550.00	
Project Subtotal				\$28,543.11	
5% Contingency				\$1,427.16	
Project Total				\$29,970.27	
<div>Assumptions</div> <div>1) Quantities based on current design</div> <div>2) Equipment hauling covers mobilization only. Demobilization will be charged as mobilization to future project.</div> <div>3) Mobilization labor is man labor only, no equipment.</div> <div>4) Crew will complete topsoil, seeding, and temporary paving, all other restoration will be completed by contractor.</div>					

Savings Review	
Contractor	\$47,449.50
Crew	\$29,970.27
Savings	\$17,479.23

Crums Mill Road at Commerce Drive Cost Estimate					
Item Description	Estimated Quantity	UOM	Unit Price	Total Price	Notes
Materials					
24 " SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	84	LF	\$ 34.99	\$2,939.16	
18 " SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	340	LF	\$21.60	\$7,344.00	
STANDARD INLET BOX WITH TYPE C TOP AND STANDARD GRATE	5	EA	\$ 1,191.00	\$5,955.00	
4 INLET BOX WITH TYPE M TOP AND STANDARD GRATE	3	EA	\$ 1,040.00	\$3,120.00	
TYPE D-W ENDWALL	1	EA	\$800.00	\$800.00	
2A AGGREGATE	160	TON	\$13.50	\$2,160.00	
AASHTO #57 AGGREGATE	150	TON	\$16.50	\$2,475.00	
R-6 RIP RAP	51	TON	\$29.56	\$1,507.56	
CLASS 4, TYPE A GEOTEXTILE	32	SY	\$1.91	\$61.12	
TEMPERARY PAVING	24	TON	\$66.00	\$1,584.00	
LANDSCAPE RESTORATION	1	LS	\$1,000.00	\$1,000.00	
Materials Total				\$28,945.84	
Labor					
MOBILIZATION	1	DAY	\$1,274.08	\$1,274.08	
PROJECT LABOR - INCLUDING EQUIPTMENT	20	DAY	\$1,821.37	\$36,427.40	
Labor Total				\$37,701.48	
Services Provided By Others/Rentals					
EQUIPTMENT HAULING	1	LS	\$550.00	\$550.00	Hauling of 245 Excavator
Services Provided By Others/Rentals Total				\$550.00	
Project Subtotal				\$67,197.32	
5% Contingency				\$3,359.87	
Project Total				\$70,557.19	
<div>Assumptions</div> <div>1) Quantities based on current design</div> <div>2) Equipment hauling covers mobilization only. Demobilization will be charged as mobilization to future project.</div> <div>3) Mobilization labor is man labor only, no equiptment.</div> <div>4) Crew will complete topsoil, seeding, and temporary paving, all other restoration will be completed by contractor.</div>					

Savings Review	
Contractor	\$151,191.60
Crew	\$70,557.19
Savings	\$80,634.41

Old Locust Lane Cost Estimate

Item Description	Estimated Quantity	UOM	Unit Price	Total Price	Notes
Materials					
Standard Concrete Box; Type M top; Steel Grate and Frame	1.00	EA	\$1,110.00	\$1,110.00	
Type D-W Endwall	1.00	LS	\$4,600.00	\$4,600.00	*2 Endwalls
8" PVC Pipe	250.00	LF	\$10.95	\$2,737.50	
18" SLCPP	76.00	LF	\$21.60	\$1,641.60	
38" X 60" RCP	1.00	LS	\$9,062.52	\$9,062.52	*32 LF of pipe
R-5 Rip Rap	16.00	TON	\$24.00	\$384.00	
R-4 Rip Rap	21.91	TON	\$22.50	\$492.98	
2A Stone	21.81	TON	\$15.00	\$327.15	
2B Stone	54.01	TON	\$16.75	\$904.67	
Temporary Paving	18.00	TON	\$66.00	\$1,188.00	
Landscape Restoration	1.00	LS	\$2,000.00	\$2,000.00	
Class 2 Type A Geotextile	1.00	LS	\$2,000.00	\$2,000.00	
Materials Total				\$26,448.41	
Labor					
MOBILIZATION	1.00	DAY	\$1,274.08	\$1,274.08	
PROJECT LABOR - INCLUDING EQUIPTMENT	26.00	DAY	\$1,821.37	\$47,355.62	
Labor Total				\$48,629.70	
Services Provided By Others/Rentals					
EQUIPTMENT HAULING	1.00	LS	\$550.00	\$550.00	Hauling of 245 Excavator
Services Provided By Others/Rentals Total				\$550.00	
Project Subtotal				\$75,628.11	
5% Contingency				\$3,781.41	
Project Total				\$79,409.52	
<p><u>Assumptions</u></p> <p>1) Quantities based on current design</p> <p>2) Equipment hauling covers mobilization only. Demobilization will be charged as mobilization to future project.</p> <p>3) Mobilization labor is man labor only, no equipment.</p> <p>4) Crew will complete topsoil, seeding, and temporary paving, all other restoration will be completed by contractor.</p>					

Savings Review	
Contractor	\$102,445.21
Crew	\$79,409.52
Savings	\$23,035.69

Oak Avenue Cost Estimate					
Item Description	Estimated Quantity	UOM	Unit Price	Total Price	Notes
Materials					
12 " SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	121.00	LF	\$12.50	\$1,512.50	
STANDARD INLET BOX WITH TYPE M TOP AND STANDARD GRATE	3.00	EA	\$1,073.33	\$3,220.00	
2A AGGREGATE	30.00	TON	\$13.50	\$405.00	
AASHTO #57 AGGREGATE	25.00	TON	\$16.50	\$412.50	
R-3 RIP RAP	1.00	TON	\$21.56	\$21.56	
CLASS 4, TYPE A GEOTEXTILE	10.00	SY	\$1.91	\$19.10	
TEMPORARY PAVING	5.00	TON	\$66.00	\$330.00	
LANDSCAPE RESTORATION	1.00	LS	\$1,000.00	\$1,000.00	
Materials Total				\$6,920.66	
Labor					
MOBILIZATION	1.00	DAY	\$1,274.08	\$1,274.08	
PROJECT LABOR - INCLUDING EQUIPTMENT	4.00	DAY	\$1,821.37	\$7,285.48	
Labor Total				\$8,559.56	
Services Provided By Others/Rentals					
Services Provided By Others/Rentals Total				\$0.00	
Project Subtotal				\$15,480.22	
5% Contingency				\$774.01	
Project Total				\$16,254.23	
<div>Assumptions</div> <div>1) Quantities based on current design</div> <div>2) Equipment hauling covers mobilization only. Demobilization will be charged as mobilization to future project.</div> <div>3) Mobilization labor is man labor only, no equipment.</div> <div>4) Crew will complete topsoil, seeding, and temporary paving, all other restoration will be completed by contractor.</div>					

Savings Review	
Contractor	\$40,220.36
Crew	\$16,254.23
Savings	\$23,966.13

Wilshire Cost Estimate					
Item Description	Estimated Quantity	UOM	Unit Price	Total Price	Notes
Materials					
2 1/2" Schedule 40 PVC Pipe	5.00	LF	\$12.40	\$62.00	
2 1/2" Schedule 40 PVC Repair Couplers	2.00	EA	\$3.11	\$6.22	
2A Aggregate	2.00	TON	\$13.50	\$27.00	
Temporary Paving	1.00	TON	\$62.24	\$62.24	
Materials Total				\$157.46	
Labor					
MOBILIZATION	1.00	DAY	\$1,274.08	\$1,274.08	
PROJECT LABOR - INCLUDING EQUIPTMENT	1.00	DAY	\$1,821.37	\$1,821.37	
Labor Total				\$3,095.45	
Services Provided By Others/Rentals					
Services Provided By Others/Rentals Total				\$0.00	
Project Subtotal				\$3,252.91	
5% Contingency				\$162.65	
Project Total				\$3,415.56	
<div>Assumptions</div> <div>1) Quantities based on current design</div> <div>2) Equipment hauling covers mobilization only. Demobilization will be charged as mobilization to future project.</div> <div>3) Mobilization labor is man labor only, no equiptment.</div> <div>4) Crew will complete topsoil, seeding, and temporary paving, all other restoration will be completed by contractor.</div>					

Savings Review	
Contractor	\$12,769.98
Crew	\$3,415.56
Savings	\$9,354.42

Dorchester Cost Estimate					
Item Description	Estimated Quantity	UOM	Unit Price	Total Price	Notes
Materials					
8" SDR 35 PVC	180.00	LF	\$10.95	\$1,971.00	
2A Stone	120.00	TON	\$13.50	\$1,620.00	
2B Stone	110.00	TON	\$16.50	\$1,815.00	
Temporary Paving	13.00	TON	\$21.56	\$280.28	
Materials Total				\$5,686.28	
Labor					
MOBILIZATION	1.00	DAY	\$1,274.08	\$1,274.08	
PROJECT LABOR - INCLUDING EQUIPTMENT	9.00	DAY	\$1,821.37	\$16,392.33	
Labor Total				\$17,666.41	
Services Provided By Others/Rentals					
EQUIPTMENT HAULING	1	LS	\$550.00	\$550.00	Hauling of 245 Excavator
Services Provided By Others/Rentals Total				\$550.00	
Project Subtotal				\$23,902.69	
5% Contingency				\$1,195.13	
Project Total				\$25,097.82	
<div>Assumptions</div> <div>1) Quantities based on current design</div> <div>2) Equipment hauling covers mobilization only. Demobilization will be charged as mobilization to future project.</div> <div>3) Mobilization labor is man labor only, no equiptment.</div> <div>4) Crew will complete topsoil, seeding, and temporary paving, all other restoration will be completed by contractor.</div>					

Savings Review	
Contractor	\$40,332.29
Crew	\$25,097.82
Savings	\$15,234.47

Employee Costs	
Employee	Rate (per hr):
Crew Leader	\$46.12
Truck Driver/Laborer	\$27.02
Operator	\$31.21
Laborer	\$27.41
Truck Driver	\$27.50
Hourly Labor Rate	\$159.26
Daily Labor Rate	\$1,274.08 (Based on 8 hour work day)

Equipment Costs	
Equipment	Purchase Cost
Tri Axle	\$185,000
Tri Axle	\$180,000
Hitachi 125	\$185,000
Hitachi 245	\$228,860
Trailer	\$20,000
Dozer	\$95,000
Loader	\$243,179
Total	\$1,137,039
Yearl Depreciation @ 10 Years	\$113,703.90
Daily Equipment Rate	\$458.48
Daily Insurance Rate	\$69.21
Avg. Daily Fuel Rate	\$19.60
Total Daily Rate	\$547.29

Labor Rate Including Equipment	\$1,821.37	
* Based on 248 working days a year (Factors out weekends and Township Holidays)		
Mobilization Rate (Labor Only)	\$1,274.08	

* Equipment is trailered in to the sites of work. Meaning that there is only Lbaor involved in our mobilization process of moving equipment from site to site. Also, there is no demobilization factored as we are always moving from job to job so only mobilization is a factor.

Overall Total fo 2024
\$527,960.88

Cost Comparison 2024	\$
Bid Costs	\$1,028,936.23
Crew Costs	\$527,960.88
Difference (Savings)	\$500,975.35

Cost per Foot (3,121 LF)
\$169.16

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