

SUMMARY OF PRELIMINARY CONSTRUCTION COST ESTIMATE

See following pages for detailed estimate

PHASE I: PERRY CREEK DRIVE TO ERWIN ROAD

Phase I Greenway length:	2430 LF
Phase I Graded Area:	60700 SF

Phase I Total Cost Estimate	\$261,351
Cost per Square Foot	\$4.31

PHASE II: ERWIN ROAD TO PROVIDENCE ROAD

Phase II Greenway length:	3,420 LF
Phase II Graded Area :	86,000 SF

Phase II Total Cost Estimate	\$843,017
Cost per Square Foot	\$9.80

COMBINED TOTAL, PHASES I AND II:	\$1,104,368
Cost per Square Foot	\$7.53

**Dry Creek Greenway
Schematic Cost Estimate**

10/29/2007

PHASE I: PERRY CREEK DRIVE TO ERWIN ROAD

Phase I Greenway length = 2430 LF
Phase I Graded Area = 60,700 SF or 1.4 ac

Item	Qty.	Cost/ unit	Subtotal
DEMOLITION			
Site			
Clearing and Demolition	38000	0.30 sf	\$11,400
		Sub-Total	\$11,400
		ADD 6% FOR DUMPING FEES	\$684
		TOTAL FOR DEMOLITION	\$12,084

* Perry Creek to bridge (OWASA easement) not included in clearing and demo cost

GENERAL CONSTRUCTION

Site work

Mobilization: 5%			\$44,000	
Surveying	1	\$8,000 ls	\$8,000	
Grading	810	\$9.50 cy	\$7,695	
S 9.5 A Asphalt Trail	2700	\$20.00 sy	\$54,000	
Stabilized Chapel Hill Gravel Parking Lot	6108	\$8.00 sf	\$48,866	
Timber Retaining Wall	35	\$46.00 ff	\$1,610	
Furnishings - Benches	4	\$1,200.00 ea	\$4,800	
Furnishings - Litter	2	\$500.00 ea	\$1,000	\$169,971

Storm Drainage

Culvert: 12" RCP	90	\$40.00 lf	\$3,600
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Erosion Control

Allow	1	\$5,000.00 ls	\$5,000
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Planting

Allow	1	\$8,000.00 ls	\$8,000
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SITE CONSTRUCTION TOTAL \$186,571

DEMOLITION \$12,084

Subtotal \$198,655

Contractor Overhead and Profit \$198,655 0.1 \$19,866

Contractor Mobilization and bonds \$218,520.85 0.04 \$8,741

15% Contingency \$227,261.69 0.15 \$34,089

Total Estimate **\$261,351**

Alternate Items:

No.	Item	Qty.	Cost/ unit	Subtotal	Add/Deduct
1	Asphalt Parking Lot and Drive	678	\$20.00 sy	\$13,560	-\$35,306
2	Chapel Hill Gravel lot without stabilizer	6108	\$5.00 sf	\$30,541	-\$18,325

**Dry Creek Greenway
Schematic Cost Estimate**

10/29/2007

PHASE II: ERWIN ROAD TO PROVIDENCE ROAD

Phase II Greenway length = 3420 LF
Phase II Graded Area = 86,000 SF or 2.0 ac

Item	Qty.	Cost/ unit	Subtotal	
DEMOLITION				
Site				
Clearing and Demolition	60000	0.30 sf	\$18,000	
		Sub-Total	\$18,000	
		ADD 6% FOR DUMPING FEES	\$1,080	
		TOTAL FOR DEMOLITION	\$19,080	
Duke Power Easement not included in clearing and demo cost				
GENERAL CONSTRUCTION				
Roadway work with median pocket at xing				
Allow	1	\$160,000.00 ls	\$160,000	
Site work				
Mobilization: 5%			\$44,000	
Surveying	1	\$10,000 ls	\$10,000	
Grading	990	\$9.50 cy	\$9,405	
12' wide Asphalt Road for shared use	1200	\$25.00 sy	\$30,000	
S 9.5 A Asphalt Trail	2300	\$20.00 sy	\$46,000	
12' Wood Bridge at tributaries	2	\$10,000.00 ea	\$20,000	
Timber Retaining Wall	30	\$50.00 ff	\$1,500	
Furnishings - Benches	4	\$1,200.00 ea	\$4,800	
Furnishings - Litter	2	\$500.00 ea	\$1,000	\$166,705
Storm Drainage				
Culvert: 12" RCP	90	\$40.00 lf	\$3,600	
Boardwalk structure				
Abutments	2	\$3,000.00 ea	\$6,000	
Decking, joists, beams	2700	\$12.00 sf	\$32,400	
Railings: see breakdown below	1	\$16,000.00 ls	\$16,000	
Helical Piers - see alternates below	56	\$1,000.00 ea	\$56,000	\$110,400
Pedestrian Bridge				
Weathering steel, 5-ton load rating	80	\$2,000.00 lf	\$160,000	
Abutments	2	\$4,000.00 ea	\$8,000	\$168,000
Erosion Control				
Allow	1	\$5,000.00 ls	\$5,000	
Planting				
Allow	1	\$8,000.00 ls	\$8,000	
		SITE CONSTRUCTION TOTAL	\$621,705	
		DEMOLITION	\$19,080	
		Subtotal	\$640,785	
Contractor Overhead and Profit		\$640,785 0.1	\$64,079	
Contractor Mobilization and bonds		\$704,863.50 0.04	\$28,195	
15% Contingency		\$733,058.04 0.15	\$109,959	
Total Estimate			\$843,017	

Note: Estimate for this segment assumes utilizing the existing Duke Energy access road east of Erwin Road and one minor swale bridge crossing in addition to the boardwalk.

**Dry Creek Greenway
Schematic Cost Estimate**

10/29/2007

Alternate Items

No.	Item	Qty.	Cost/ unit	Subtotal	Add/Deduct
	Base price for boardwalk and bridge combination above			\$278,400	
1	Estimate from York Bridge Concepts for 465 LF bdwk with 40' span bridge portion	1	\$260,000.00 ea	\$260,000	-\$18,400
2	"Pin Foundations" pier foundations* in lieu of helical piers	60	\$300.00 ea	\$18,000	-\$38,000
Item Breakdown: Railing Components**					
	Jakob Mesh wire	2070	\$8.00 sf	\$16,560	
	Jakob cable	5980	\$1.00 lf	\$5,980	
	Cable components: Internal thread	130	\$6.56	\$853	
	Cable components: Headless screw	130	\$4.21 ea	\$547	
	Cable components: Hex nuts	260	\$0.32 ea	\$83	
	Cable components: Dome nuts	130	\$0.83 ea	\$108	
			Subtotal	\$7,571	

* Pin Foundations can only currently be utilized for non-vehicular loading. If vehicular loading is required on boardwalk structure, this method is not currently an option. Cost assumes (60) posts at approx. 16' on center.

** Does not include cost for shipping. Delivery from overseas is \$25 per kg or 2.2 lbs.

End of Cost Estimate