

**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

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**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

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**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 |
|-------------------------|-------|-------------------------|----------|
| <b>DEMOLITION</b>       |       |                         |          |
| <b>Site</b>             |       |                         |          |
| 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 |
|------------------|----|------------|---------|

**Erosion Control**

|       |   |               |         |
|-------|---|---------------|---------|
| Allow | 1 | \$5,000.00 ls | \$5,000 |
|-------|---|---------------|---------|

**Planting**

|       |   |               |         |
|-------|---|---------------|---------|
| Allow | 1 | \$8,000.00 ls | \$8,000 |
|-------|---|---------------|---------|

**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         |           |
|--|-------|--------------------------------|------------------|-----------|
| <b>DEMOLITION</b>  |       |                                |                  |           |
| <b>Site</b>  |       |                                |                  |           |
| 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 |       |                                |                  |           |
| <b>GENERAL CONSTRUCTION</b>                                |       |                                |                  |           |
| <b>Roadway work with median pocket at xing</b>             |       |                                |                  |           |
| Allow  | 1     | \$160,000.00 ls                | \$160,000        |           |
| <b>Site work</b>   |       |                                |                  |           |
| 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 |
| <b>Storm Drainage</b>                                      |       |                                |                  |           |
| Culvert: 12" RCP   | 90    | \$40.00 lf                     | \$3,600          |           |
| <b>Boardwalk structure</b>                                 |       |                                |                  |           |
| 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 |
| <b>Pedestrian Bridge</b>                                   |       |                                |                  |           |
| Weathering steel, 5-ton load rating                        | 80    | \$2,000.00 lf                  | \$160,000        |           |
| Abutments  | 2     | \$4,000.00 ea                  | \$8,000          | \$168,000 |
| <b>Erosion Control</b>                                     |       |                                |                  |           |
| Allow  | 1     | \$5,000.00 ls                  | \$5,000          |           |
| <b>Planting</b>  |       |                                |                  |           |
| Allow  | 1     | \$8,000.00 ls                  | \$8,000          |           |
|  |       | <b>SITE CONSTRUCTION TOTAL</b> | <b>\$621,705</b> |           |
|  |       | <b>DEMOLITION</b>              | <b>\$19,080</b>  |           |
|  |       | 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        |           |
| <b>Total Estimate</b>                                      |       |                                | <b>\$843,017</b> |           |

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**

| <b>No.</b>                                  | <b>Item</b>  | <b>Qty.</b> | <b>Cost/ unit</b> | <b>Subtotal</b> | <b>Add/Deduct</b> |
|---|--|-------------|-------------------|-----------------|-------------------|
|   | Base price for boardwalk and bridge combination above                              |             |                   | \$278,400       |                   |
| 1   | Estimate from York Bridge Concepts<br>for 465 LF bdwk with 40' span bridge portion | 1           | \$260,000.00 ea   | \$260,000       | -\$18,400         |
| 2   | "Pin Foundations" pier foundations*<br>in lieu of helical piers                    | 60          | \$300.00 ea       | \$18,000        | -\$38,000         |
| <b>Item Breakdown: Railing Components**</b> |  |             |                   |                 |                   |
|   | 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**