Wake County Convenience Center

| Description | | | | |
|---|--|--|--|---|
| Dome | | | | |
| Demo | | | | |
| Remove existing concrete pavement | 30.0 | CY | \$100.00 | \$3,000.0 |
| Remove existing asphalt pavement | 1,000.0 | SY | \$6.00 | \$6,000.0 |
| Remove existing gravel pavement | 1,100.0 | CY | \$18.00 | \$19,800.0 |
| Remove existing fencing + gates | 1,500.0 | LF | \$4.00 | \$6,000.0 |
| Remove existing concrete barrier walls | 2,000.0 | FF | \$6.00 | \$12,000.0 |
| Remove existing buildings / sheds | 6,250.0 | SF | \$5.00 | \$31,250.0 |
| Remove existing signs | 1.0 | LS | \$3,000.00 | \$3,000.0 |
| Remove bollards | 12.0 | EA | \$125.00 | \$1,500.0 |
| Relocate containers / compactors | 3.0 | EA | | |
| Fine Grading (old convenience center site) | 1.0 | AC | \$5,000.00 | \$5,000.0 |
| Seeding (old convenience center site) | 1.0 | AC | \$2,000.00 | \$2,000.0 |
| - Category Subtotal | | | | \$89,550.0 |
| Earthwork | | | | |
| Clear and grub | 1.9 | AC | \$3,500.00 | \$6,650.0 |
| _ | | | | \$9,500.0 |
| Fill Material | | | | \$1,392,000.0 |
| Unsuitable soil removal and replace with off-site soils | | CY | · · | \$52,200.0 |
| Silt fence + stone | | LF | | \$4,300.0 |
| Tree protection fence | | LF | \$4.00 | \$4,300.0 |
| | | | | \$2,500.0 |
| | 1.0 | LS | | \$10,000.0 |
| Temporary Seeding | 1.9 | AC | \$1,500.00 | \$2,850.0 |
| - Category Subtotal | | | | \$1,484,300.0 |
| Sitework | | | | |
| - Pavement | | | | |
| | 6.530.0 | SY | \$45.00 | \$293,850.0 |
| | | | | \$91,500.0 |
| | | | | \$227,500.0 |
| | | | | \$8,000.0 |
| | | | · | \$55,650.0 |
| | - | | · | \$10,000.0 |
| Wheel Stops - Concrete | 6.0 | EA | \$100.00 | \$600.0 |
| - Dock Walls | | | | |
| Concrete stairs | 4.0 | EA | \$3,000.00 | \$12,000.0 |
| Steel runners | 12.0 | EA | \$8,500.00 | \$102,000.0 |
| Steel wall cap | 165.0 | LF | \$25.00 | \$4,125.0 |
| Dock Bumpers | 12.0 | EA | \$250.00 | \$3,000.0 |
| Dock Wood Rails | 15.0 | EA | | |
| - Retaining Walls | | | | |
| SMU Wall (avg. 7' high) | 5,650.0 | FF | \$35.00 | \$197,750.0 |
| CC Conc. Retaining Wall | 2,000.0 | FF | \$50.00 | \$100,000.0 |
| HHW Conc. Dock Wall | 1,000.0 | FF | \$50.00 | \$50,000.0 |
| | Remove existing concrete barrier walls Remove existing buildings / sheds Remove existing signs Remove bollards Relocate containers / compactors Relocate stains Relocate stains Remove existing signs Remove exis | Remove existing concrete barrier walls Remove existing buildings / sheds Remove existing signs 1.0 Remove existing signs 1.0 Remove bollards Releocate containers / compactors Releocate containers / compactors Releging (old convenience center site) Releging (old convenience center site) Relear and grub Releging Release Releas | Remove existing concrete barrier walls 2,000.0 FF Remove existing buildings / sheds 6,250.0 SF Remove existing signs 1.0 LS Remove existing signs 1.0 LS Remove bollards 12.0 EA Relocate containers / compactors 3.0 EA Relocate containers / Category Subtotal 3.0 4.0 EA Relocate containers / compactors / c | Remove existing buildings / sheds 6,250.0 FF \$6.00 Remove existing buildings / sheds 6,250.0 FF \$5.00 Remove existing signs 1.0 IS \$3,000.00 Remove bollards 12.0 EA \$125.00 Remove bollards 12.0 EA \$5,000.00 Remove bollards 12.0 EA \$5,000.00 Remove bollards 12.0 EA \$2,000.00 Remove bollards 12.0 EA \$3,500.00 Remove bollards 12.0 EA \$3,500.00 Remove bollards 12.0 EA \$2,000.00 Remove bollards 12.0 EA \$2,000.00 Remove bollards 12.0 EA \$2,500.00 Removers belong 12.0 EA \$2,500.00 Removers Paving - Heavy duty \$2,500.0 SY \$45.00 SY \$45.00 SY \$45.00 Removers Paving - Heavy duty \$2,500.0 SY \$45.00 Removers Paving - Heavy Duty \$2,500.0 SY \$45.00 Removers Paving - Heavy Duty \$2,500.0 SY \$45.00 Removers Paving - Standard duty \$2,500.0 SY \$45.00 Removers \$2,500.0 |

Wake County Convenience Center

| ine | Item | Quantity | U/M | Unit Cost | Total Cost |
|-----|--|----------|-----|--------------|---|
| 0. | Description | | | | |
| | - Misc. | | | | |
| | Bollards - Pipe | 50.0 | EA | \$250.00 | \$12,500.0 |
| | Bollards - Flexible | 50.0 | EA | \$100.00 | \$5,000.0 |
| | Chain link fencing | 2,650.0 | LF | \$37.00 | \$98,050.0 |
| | Chain link fence gates - cantilever | 2.0 | EA | \$4,500.00 | \$9,000.0 |
| | Chain link fence gates - swing | 4.0 | EA | \$1,500.00 | \$6,000.0 |
| | Fencing - Guardrail | 200.0 | LF | \$75.00 | \$15,000.0 |
| | - Category Subtotal | | | | \$1,301,525.0 |
| | Utilities | | | | |
| | Stormwater Improvements | 1.0 | LS | \$75,000.00 | \$75,000.0 |
| | Water Service Improvements | 1.0 | LS | \$20,000.00 | \$20,000. |
| | Sewer Improvements | 1.0 | LS | \$22,500.00 | \$22,500.0 |
| | Lighting Improvements | 1.0 | LS | \$25,000.00 | \$25,000. |
| | - Category Subtotal | | | | \$142,500.0 |
| | , | | | | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
| | Buildings | | | | |
| | Multi-Materials Pre-engineered Canopy | 1.0 | LS | \$100,000.00 | \$100,000. |
| | HHW Pre-engineered Canopy | 1.0 | LS | \$60,000.00 | \$60,000. |
| | HHW explosion proof containers | 1.0 | LS | \$120,000.00 | \$120,000. |
| | Attendent hut | 1.0 | LS | \$100,000.00 | \$100,000. |
| | - Category Subtotal | | | | \$380,000. |
| | Allowances | | | | |
| | Security | 1.0 | LS | \$40,000.00 | \$40,000. |
| | Signage | 1.0 | LS | \$30,000.00 | \$30,000. |
| | Landscape | 1.0 | LS | \$60,000.00 | \$60,000. |
| | - Category Subtotal | | | | \$130,000. |
| | | | | | |
| | Subtotal of Probable Construction Cost | | | | \$3,527,875.0 |
| | Subtotal | | | | \$3,527,875. |
| | Design & Permitting Fees | 0.15 | | | \$5,327,873. |
| | Subtotal | 0.13 | | | \$4,057,056. |
| | General Requirements | 0.08 | | | \$324,564. |
| | Subtotal | 0.00 | | | \$4,381,620 |
| | G.C. Overhead & Fee | 0.10 | | | \$438,162 |
| | Subtotal | 0.10 | | | \$4,819,782 |
| | Performance Bonding / Insurance | 0.02 | | | \$96,395 |
| | Subtotal | 0.02 | | | \$4,916,178 |
| | Estimating Contingency | 0.20 | | | \$983,235 |
| | Total Probable Construction Cost | 0.20 | | | \$5,899,414. |
| | | | | | |
| | | | | | |

| Line | Item | Quantity | U/M | Unit Cost | Total Cost | | |
|------|---|----------|-----|-----------|---------------------|--|--|
| No. | Description | | | | | | |
| | - The utility improvements include any demolition and removal of existing necessary. | | | | | | |
| | - The fill numbers were calculated to assume raising the entire CC site to an elevation of 292' and the public works site to an | | | | | | |
| | elevation of 290'. With sites this large, any change in the new elevation alters the costs considerably. - The stormwater number for the public works site includes underground detention for peak flow mitigation as well as collection. - The lighting allowance is an assumption of cost. A lighting plan was not prepapred for this estimate. Duke Energy would provide a design and overall cost during the construction document phase of the project. - The security allowance is an assumption of cost based on previous costs on recent projects, such as the North Wake and South Wake Landfill redevelopment projects. A security plan was not prepapred for this estimate. | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | - The landscape allowance is an assumption of cost based on previou | | | • | orth Wake and South | | |
| | Wake Landfill redevelopment projects. A landscape plan was not prepapred for this estimate | | | | | | |

Morrisville Public Works

| Line | Item | Quantity | U/M | Unit Cost | Total Cost |
|------|---|----------|-----|-------------|----------------|
| No. | Description | | | | |
| | Demo | | | | |
| | Remove existing concrete pavement | 30.0 | CY | \$100.00 | \$3,000.00 |
| | Remove existing asphalt pavement | 1,000.0 | SY | \$6.00 | \$6,000.00 |
| | Remove existing gravel pavement | 1,100.0 | CY | \$18.00 | \$19,800.00 |
| | Remove existing fencing + gates | 1,500.0 | LF | \$4.00 | \$6,000.00 |
| | Remove existing concrete barrier walls | 2,000.0 | FF | \$6.00 | \$12,000.00 |
| | Remove existing buildings / sheds | 6,250.0 | SF | \$5.00 | \$31,250.00 |
| | Remove existing signs | 1.0 | LS | \$3,000.00 | \$3,000.00 |
| | - Category Subtotal | | | | \$81,050.00 |
| | Earthwork | | | | |
| | Clear and grub | 5.6 | AC | \$3,500.00 | \$19,600.00 |
| | Grading | 5.6 | AC | \$5,000.00 | \$28,000.00 |
| | Fill Material | 33,600.0 | CY | \$30.00 | \$1,008,000.00 |
| | Unsuitable soil removal and replace with off-site soils | 1,260.0 | CY | \$30.00 | \$37,800.00 |
| | Silt fence + stone | 1,160.0 | LF | \$4.00 | \$4,640.00 |
| | Tree protection fence | 1,160.0 | LF | \$4.00 | \$4,640.00 |
| | Construction entrance | 1.0 | EA | \$2,500.00 | \$2,500.00 |
| | Erosion Control (sediment pond) | 1.0 | LS | \$10,000.00 | \$10,000.00 |
| | Temporary Seeding | 5.6 | AC | \$1,500.00 | \$8,400.00 |
| | - Category Subtotal | | | | \$1,123,580.0 |
| | Sitework | | | | |
| | - Pavement | | | | |
| | Asphalt Paving - Heavy duty | 3,650.0 | SY | \$45.00 | \$164,250.00 |
| | Asphalt Paving - Standard duty | 1,060.0 | SY | \$30.00 | \$31,800.00 |
| | Concrete Paving - Heavy Duty | 390.0 | SY | \$65.00 | \$25,350.00 |
| | Concrete Paving - Standard Duty | 300.0 | SY | \$40.00 | \$12,000.00 |
| | Gravel Paving | 625.0 | CY | \$65.00 | \$40,625.00 |
| | 30" Curb & Gutter | 2,250.0 | LF | \$30.00 | \$67,500.00 |
| | Traffic Striping | 1.0 | LS | \$2,000.00 | \$2,000.00 |
| | Wheel Stops - Concrete | 25.0 | EA | \$100.00 | \$2,500.00 |
| | - Retaining Walls | | | | |
| | SMU Wall (avg. 7' high) | 7,500.0 | FF | \$35.00 | \$262,500.00 |
| | Bin Block walls (6' high) | 2,550.0 | FF | \$15.00 | \$38,250.00 |
| | - Misc. | | | | |
| | Bollards - Pipe | 50.0 | EA | \$250.00 | \$12,500.00 |
| | Chain link fencing | 2,200.0 | LF | \$37.00 | \$81,400.00 |
| | Chain link fence gates - cantilever | 2.0 | EA | \$4,500.00 | \$9,000.00 |
| | Chain link fence gates - swing | 1.0 | EA | \$1,500.00 | \$1,500.00 |
| | Fencing - Guardrail | 200.0 | LF | \$75.00 | \$15,000.00 |
| | - Category Subtotal | | | | \$766,175.00 |
| | Utilities | | | | |
| | Stormwater Improvements | 1.0 | LS | \$75,000.00 | \$75,000.00 |

| Se Lig | Danamin tian | Quantity | U/M | Unit Cost | Total Cost | |
|--|---|--|------------|-------------|--|--|
| Se Lig | Description | | | | | |
| Lig | ater Service Improvements | 1.0 | LS | \$20,000.00 | \$20,000.0 | |
| | ewer Improvements | 1.0 | LS | \$22,500.00 | \$22,500.0 | |
| | ghting Improvements | 1.0 | LS | \$25,000.00 | \$25,000.0 | |
| | Category Subtotal | | | | \$142,500.0 | |
| В | uildings | | | | | |
| | dmin Building (2-story) | 8,000.0 | SF | \$170.00 | \$1,360,000.0 | |
| | Side Equipment Storage Pre-engineered Building | 3,200.0 | SF | \$60.00 | \$192,000.0 | |
| | alt and Sand Dome | 1.0 | EA | \$52,000.00 | \$52,000.0 | |
| | rine Station | 1.0 | EA | \$1,800.00 | \$1,800.0 | |
| _ | eet Shop - Garage | 3,200.0 | SF | \$150.00 | \$480,000.0 | |
| | eet Shop - Secure inventory | 500.0 | SF | \$60.00 | \$30,000.0 | |
| _ | /orkshop - Warehouse | 6,500.0 | SF | \$120.00 | \$780,000.0 | |
| | | 3,555.5 | | 7=2000 | * * * * * * * * * * * * * * * * * * * | |
| (| Category Subtotal | | | | \$2,895,800.0 | |
| Α | llowances | | | | | |
| Se | ecurity | 1.0 | LS | \$40,000.00 | \$40,000.0 | |
| Si | gnage | 1.0 | LS | \$20,000.00 | \$20,000.0 | |
| La | indscape | 1.0 | LS | \$60,000.00 | \$60,000.0 | |
| | Category Subtotal | | | | \$120,000.0 | |
| | | | | | | |
| S | ubtotal of Probable Construction Cost | | | | \$5,129,105.00 | |
| | | | | | | |
| Su | uhtotal | | | | \$5 129 105 C | |
| | ubtotal | 0.15 | | | \$5,129,105.0 \$769.365.7 | |
| De | esign & Permitting Fees | 0.15 | | | \$769,365.7 | |
| De Su | esign & Permitting Fees ubtotal | | | | \$769,365.7 \$5,898,470.7 | |
| De Su Ge | esign & Permitting Fees ubtotal eneral Requirements | 0.15 | | | \$769,365.7 \$5,898,470.7 \$471,877.6 | |
| De Su Ge Su | esign & Permitting Fees ubtotal eneral Requirements ubtotal | 0.08 | | | \$769,365.7 \$5,898,470.7 \$471,877.6 \$6,370,348.4 | |
| Su Ge Su G. | esign & Permitting Fees ubtotal eneral Requirements | | | | \$769,365.7 \$5,898,470.7 \$471,877.6 \$6,370,348.4 \$637,034.8 | |
| Su Ge Su G. | esign & Permitting Fees ubtotal eneral Requirements ubtotal .C. Overhead & Fee | 0.08 | | | \$769,365.7 \$5,898,470.7 \$471,877.6 \$6,370,348.4 \$637,034.8 \$7,007,383.2 | |
| De Su Ge Su G. Su Pe | esign & Permitting Fees ubtotal eneral Requirements ubtotal .C. Overhead & Fee ubtotal erformance Bonding / Insurance | 0.08 | | | \$769,365.7 \$5,898,470.7 \$471,877.6 \$6,370,348.4 \$637,034.8 \$7,007,383.2 \$140,147.6 | |
| Su Ge Su G. Su Pe | esign & Permitting Fees ubtotal eneral Requirements ubtotal .C. Overhead & Fee ubtotal erformance Bonding / Insurance | 0.08 0.10 0.02 | | | \$769,365.7 \$5,898,470.7 \$471,877.6 \$6,370,348.4 \$637,034.8 \$7,007,383.2 \$140,147.6 \$7,147,530.9 | |
| Su Ge Su G. Su Pe Su Es | esign & Permitting Fees ubtotal eneral Requirements ubtotal .C. Overhead & Fee ubtotal erformance Bonding / Insurance | 0.08 | | | \$769,365.7 \$5,898,470.7 \$471,877.6 \$6,370,348.4 \$637,034.8 \$7,007,383.2 \$140,147.6 \$7,147,530.9 \$1,429,506.1 | |
| Su Ge Su G. Su Pe Su Es | esign & Permitting Fees ubtotal eneral Requirements ubtotal .C. Overhead & Fee ubtotal erformance Bonding / Insurance ubtotal stimating Contingency | 0.08 0.10 0.02 | | | \$769,365.7 \$5,898,470.7 \$471,877.6 \$6,370,348.4 \$637,034.8 \$7,007,383.2 \$140,147.6 \$7,147,530.9 \$1,429,506.1 | |
| De Su Ge Su Pee Su Es | esign & Permitting Fees ubtotal eneral Requirements ubtotal .C. Overhead & Fee ubtotal erformance Bonding / Insurance ubtotal stimating Contingency | 0.08 0.10 0.02 | | | \$769,365.7 \$5,898,470.7 \$471,877.6 \$6,370,348.4 \$637,034.8 \$7,007,383.2 \$140,147.6 \$7,147,530.9 | |
| De Su Ge Su G. Su Pe Su Es To | esign & Permitting Fees ubtotal eneral Requirements ubtotal .C. Overhead & Fee ubtotal erformance Bonding / Insurance ubtotal stimating Contingency otal Probable Construction Cost | 0.08 0.10 0.02 0.20 | ary. | | \$769,365.7 \$5,898,470.7 \$471,877.6 \$6,370,348.4 \$637,034.8 \$7,007,383.2 \$140,147.6 \$7,147,530.9 \$1,429,506.1 | |
| De Su Ge Su Fe Su Fe Su Fe | esign & Permitting Fees ubtotal eneral Requirements ubtotal .C. Overhead & Fee ubtotal erformance Bonding / Insurance ubtotal stimating Contingency otal Probable Construction Cost | 0.08 0.10 0.02 0.20 val of existing necessare CC site to an elevat | ion of 292 | | \$769,365.7 \$5,898,470.7 \$471,877.6 \$6,370,348.4 \$637,034.8 \$7,007,383.2 \$140,147.6 \$7,147,530.9 \$1,429,506.1 \$8,577,037.1 | |

Morrisville Public Works

March 25, 2019

| Line | Item | Quantity | U/M | Unit Cost | Total Cost | |
|------|---|----------|-----|-----------|------------|--|
| No. | Description | | | | | |
| | - The security allowance is an assumption of cost based on previous costs on recent projects, such as the North Wake and South | | | | | |
| | Wake Landfill redevelopment projects. A security plan was not prepapred for this estimate. | | | | | |
| | - The landscape allowance is an assumption of cost based on previous costs on recent projects, such as the North Wake and South | | | | | |
| | Wake Landfill redevelopment projects. A landscape plan was not prepapred for this estimate | | | | | |