



Project No: 18008-2221-14  
 County: Cumberland  
 Date: April 4, 2019

**\*\*Submittal and completion of this form is required for consideration of reimbursement on this project\*\***

Primary Contact: Greg Wood, City Manager  
 E-mail: greg.wood@crossvilletn.gov Phone: (931) 484-7060  
 Secondary Contact: \_\_\_\_\_  
 E-mail: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Utility Name: City of Crossville - Sewer  
 Address: 392 North Main Street  
 City, State: Crossville, Tennessee Zip: 38555-4232

| TDOT USE ONLY         |             |
|-----------------------|-------------|
| RG Approval and Date: |             |
| Consult Appr. Date:   | / /         |
| Amount Approved:      | \$ -        |
| HQ Approval and Date: |             |
| CH86 Y / N            | PIN#:       |
| LET: / /              | Contract #: |
| Easement Contract #   |             |

Percent On Private: 42% Private ROW - #Poles / Length of facility: 16505  
 Percent On Public: 58% Public ROW - #Poles / Length of facility: 22523  
 Total Percentage: 100% Total #Poles / Length of facility: 39028

Is Utility Chapter 86 Certified (Obtained from Certification Sheet)?  Y  
 (If project does not qualify for Chapter 86 Reimbursement, then "Percent on Private" will be used to calculate total amount due to Utility)

**NO COST / NO REIMBURSEMENT (STOP HERE, REMAINDER OF FORM IS NOT REQUIRED)**

**CHAPTER 86**

**NON-CHAPTER 86**

REIMBURSEMENT MOVE PRIOR   
 REQUESTED MOVE IN State Contract   
 (Please check ONE) Other

% Private / Public Relocation   
 % Private / Public MOVE IN State Contract   
 Utility Replacement Easement Reimbursement

**ENGINEERING**

| Description                     | Amount               |
|---------------------------------|----------------------|
| Pre-Construction                | \$ 32,926.68         |
| Construction                    | \$ 18,432.59         |
| Construction Inspection Private | \$ 26,138.32         |
| Construction Inspection Public  | \$ 35,668.79         |
| Reimbursable Expenses           | \$ 600.00            |
| <b>ENGINEERING COST:</b>        | <b>\$ 113,766.38</b> |

**CONSTRUCTION (LABOR & MATERIAL)**

| Description                         | Amount               |
|-------------------------------------|----------------------|
| Installation Labor                  | \$ 870,350.00        |
| Installation Materials              | \$ -                 |
| Removal Labor                       | \$ -                 |
| Site Costs                          | \$ -                 |
| Material Provided to State          | \$ -                 |
| Salvage Materials                   | \$ -                 |
| Non-Usable Materials                | \$ -                 |
| <b>ESTIMATED CONSTRUCTION COST:</b> | <b>\$ 870,350.00</b> |

**BETTERMENT**

| Description                               | Amount               |
|---|----------------------|
| Installation Labor                        | \$ 121,600.00        |
| Installation Materials                    | \$ 72,800.00         |
| <b>ESTIMATED UTILITY BETTERMENT COST:</b> | <b>\$ 194,400.00</b> |

**ESTIMATED REPLACEMENT EASEMENT COST:** \$ 78,520.00

If cost is listed above, separate Easement Contract is needed

**ESTIMATED TOTAL CONSTRUCTION COST:** \$ 984,116.38

**UTILITY REIMBURSEMENT**

|                                  |              |
|----------------------------------|--------------|
| CHAPTER 86 MOVE-IN CONTRACT:     | \$ 78,097.59 |
| CHAPTER 86 MOVE PRIOR:           | \$ -         |
| NON-CHAPTER 86 MOVE-IN CONTRACT: | \$ -         |
| NON-CHAPTER 86 % PUBLIC/PRIVATE: | \$ -         |

Does Estimate Exceed \$1.75M Cap? - N  
 Does Estimate Require 75% Cap? - N

**UTILITY DEPOSIT (IF APPLICABLE)**

|                                     |                     |
|-------------------------------------|---------------------|
| RELOCATION EXCEEDS \$1.75M CAP:     | \$0.00              |
| AMOUNT OVER 75% REIMBURSEMENT:      | \$0.00              |
| ESTIMATED UTILITY BETTERMENT COST:  | \$194,400.00        |
| NON-CHAPTER 86 MOVE-IN CONS'T COST: | \$0.00              |
| <b>TOTAL UTILITY DEPOSIT:</b>       | <b>\$194,400.00</b> |

The Utility will reference the page number where designated on the form when other Detail Cost Estimate sheets are attached.





# ESTIMATE OF ENGINEERING COST

**TDOT Project Number(s):** STP-28(31) 18008-2221-14  
**Utility Name & Address:**  
 City of Crossville - Sewer  
 392 North Main Street  
 Crossville, Tennessee 38555-4232

**County(ies):** Cumberland  
**Consultant Name & Address:**  
 Hussey Gay Bell - Nashville, LLC  
 4117 Hillsboro Pike, Suite 206  
 Nashville, Tennessee 37215-2728

## CONSULTANT ENGINEERING ESTIMATE

Place an "X" in the appropriate box:  Standard Contract  Continuing Contract (attach copy of Contract for TDOT verification)

| I. ENGINEERING SERVICES                      |          | PRE-CONSTRUCTION |                     | CONSTRUCTION |                    | CONSTRUCTION INSPECTION |                     |
|--|----------|------------------|---------------------|--------------|--------------------|-------------------------|---------------------|
| Classification                               | Rate/Hr  | Hours            | Total               | Hours        | Total              | Hours                   | Total               |
| Principal                                    | \$ 60.09 | 100              | \$ 6,009.00         | 60           | \$ 3,605.40        |                         | \$ -                |
| Project Manager                              |          |                  | \$ -                |              | \$ -               |                         | \$ -                |
| Design Engineer                              |          |                  | \$ -                |              | \$ -               |                         | \$ -                |
| Designer / Senior Designer                   | \$ 40.80 | 160              | \$ 6,528.00         | 60           | \$ 2,448.00        |                         | \$ -                |
| Technician / Draftsperson                    |          |                  | \$ -                |              | \$ -               |                         | \$ -                |
| Administrative                               | \$ 27.40 | 80               | \$ 2,192.00         | 80           | \$ 2,192.00        |                         | \$ -                |
| Field Inspector                              | \$ 19.20 |                  | \$ -                |              | \$ -               | 1440                    | \$ 27,648.00        |
| Licensed Surveyor                            |          |                  | \$ -                |              | \$ -               |                         | \$ -                |
| Rod Person                                   |          |                  | \$ -                |              | \$ -               |                         | \$ -                |
|  | \$ -     |                  | \$ -                |              | \$ -               |                         | \$ -                |
| <b>Total Engineering Services</b>            |          | <b>340</b>       | <b>\$ 14,729.00</b> | <b>200</b>   | <b>\$ 8,245.40</b> | <b>1440</b>             | <b>\$ 27,648.00</b> |
| II. REIMBURSABLE EXPENSES                    |          | Quantity         | Total               | Quantity     | Total              | Quantity                | Total               |
| Transportation / Mile:                       | X        |                  | \$ -                |              | \$ -               |                         | \$ -                |
| Meals / Day:                                 | X        |                  | \$ -                |              | \$ -               |                         | \$ -                |
| Lodging / Day:                               | X        |                  | \$ -                |              | \$ -               |                         | \$ -                |
| Printing / Shipping:                         |          |                  | \$ 600.00           |              | \$ -               |                         | \$ -                |
| Other (Specify):                             |          |                  | \$ -                |              | \$ -               |                         | \$ -                |
| Other (Specify):                             |          |                  | \$ -                |              | \$ -               |                         | \$ -                |
| <b>Total Reimbursable Expenses</b>           |          |                  | <b>\$ 600.00</b>    |              | <b>\$ -</b>        |                         | <b>\$ -</b>         |
| III. INDIRECT / OVERHEAD EXPENSES            |          |                  |                     |              |                    |                         |                     |
| Indirect/Overhead Rate (not to exceed 145%): |          | 93.00%           | \$ 13,697.97        | 93.00%       | \$ 7,668.22        | 93.00%                  | \$ 25,712.64        |
| IV. PROFIT: (2.35x(1,2,3)x ALLOWABLE RATE)   |          |                  |                     |              |                    |                         |                     |
| Allowable Rate (Maximum of 13%):             |          | 13.00%           | \$ 4,499.71         | 13.00%       | \$ 2,518.97        | 13.00%                  | \$ 8,446.46         |

(Expenses for Sections III and IV only apply to Consultant Engineering Services without a Continuing Contract agreement with the Utility)

| TOTAL ENGINEERING / SURVEY COST:               |              | INSPECTION (Standard) |               | INSPECTION (Continuing) |              |
|--|--------------|-----------------------|---------------|-------------------------|--------------|
| Standard Consultant: (I+II+III+IV) =           | \$ 51,959.27 | Private:              | \$ 26,138.32  | Private:                | \$ -         |
| Continuing Contract: (I+II) =                  | \$ -         | Public:               | \$ 35,668.79  | Public:                 | \$ -         |
| <b>TOTAL COST (Engineering and Inspection)</b> |              |                       |               |                         |              |
|  |              | Standard Consultant:  | \$ 113,766.38 | Continuing Contract:    | \$ 61,807.10 |

## IN-HOUSE ENGINEERING ESTIMATE

| I. ENGINEERING SERVICES                      |         | PRE-CONSTRUCTION |             | CONSTRUCTION           |             | CONSTRUCTION INSPECTION |             |
|--|---------|------------------|-------------|------------------------|-------------|-------------------------|-------------|
| Classification                               | Rate/Hr | Hours            | Total       | Hours                  | Total       | Hours                   | Total       |
| Project Manager                              |         |                  | \$ -        |                        | \$ -        |                         | \$ -        |
| Engineer                                     |         |                  | \$ -        |                        | \$ -        |                         | \$ -        |
| Draftsperson                                 |         |                  | \$ -        |                        | \$ -        |                         | \$ -        |
| Administrative                               |         |                  | \$ -        |                        | \$ -        |                         | \$ -        |
| Field Inspector                              |         |                  | \$ -        |                        | \$ -        |                         | \$ -        |
| Licensed Surveyor                            |         |                  | \$ -        |                        | \$ -        |                         | \$ -        |
| Rod Person                                   |         |                  | \$ -        |                        | \$ -        |                         | \$ -        |
|  | \$ -    |                  | \$ -        |                        | \$ -        |                         | \$ -        |
| <b>Total Engineering Services</b>            |         | <b>0</b>         | <b>\$ -</b> | <b>0</b>               | <b>\$ -</b> | <b>0</b>                | <b>\$ -</b> |
| II. REIMBURSABLE EXPENSES                    |         | Quantity         | Total       | Quantity               | Total       | Quantity                | Total       |
| Transportation / Mile:                       | X       |                  | \$ -        |                        | \$ -        |                         | \$ -        |
| Meals / Day:                                 | X       |                  | \$ -        |                        | \$ -        |                         | \$ -        |
| Lodging / Day:                               | 1 X     |                  | \$ -        |                        | \$ -        |                         | \$ -        |
| Printing / Shipping:                         |         |                  | \$ -        |                        | \$ -        |                         | \$ -        |
| Other (Specify):                             |         |                  | \$ -        |                        | \$ -        |                         | \$ -        |
| Other (Specify):                             |         |                  | \$ -        |                        | \$ -        |                         | \$ -        |
| <b>Total Reimbursable Expenses</b>           |         |                  | <b>\$ -</b> |                        | <b>\$ -</b> |                         | <b>\$ -</b> |
| III. INDIRECT / OVERHEAD EXPENSES            |         |                  |             |                        |             |                         |             |
| Indirect/Overhead Rate (not to exceed 145%): |         | 125.00%          | \$ -        | 125.00%                | \$ -        | 125.00%                 | \$ -        |
| TOTAL ENGINEERING COST:                      |         |                  |             | TOTAL INSPECTION COST: |             |                         |             |
|  |         |                  | \$ -        | Private:               | \$ -        | Public:                 | \$ -        |
|  |         |                  | \$ -        | Public:                | \$ -        |                         | \$ -        |