



ESTIMATE OF ENGINEERING COST

TDOT Project Number(s): 18006-3214-04

County(ies): Cumberland

Utility Name & Address:
 City of Crossville - Water
 392 Main Street
 Crossville 38555

Consultant Name & Address:
 J.R. Wauford & Company, Consulting Engineers, Inc.
 2835 Lebanon Pike
 Nashville, TN 37214

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 | \$ 75.00 | 15 | \$ 1,125.00 | | - | | - |
| Project Manager | | | - | | - | | - |
| Design Engineer | \$ 60.00 | 100 | \$ 6,000.00 | 75 | \$ 4,500.00 | | - |
| Designer / Senior Designer | \$ 45.00 | 50 | \$ 2,250.00 | 25 | \$ 1,125.00 | | - |
| Techician / Draftsperson | \$ 40.00 | 25 | \$ 1,000.00 | | - | | - |
| Administrative | \$ 30.00 | 25 | \$ 750.00 | 25 | \$ 750.00 | | - |
| Field Inspector | \$ 30.00 | | - | | - | 1000 | \$ 30,000.00 |
| Licensed Surveyor | \$ 35.00 | 25 | \$ 875.00 | | - | | - |
| Rod Person | \$ 30.00 | 25 | \$ 750.00 | | - | | - |
| | \$ - | | - | | - | | - |
| Total Engineering Services | | 265 | \$ 12,750.00 | 125 | \$ 6,375.00 | 1000 | \$ 30,000.00 |

| II. REIMBURSABLE EXPENSES | | PRE-CONSTRUCTION | | CONSTRUCTION | | CONSTRUCTION INSPECTION | |
|------------------------------------|-----------|------------------|------------------|--------------|------------------|-------------------------|--------------------|
| Classification | Cost/Unit | Quantity | Total | Quantity | Total | Quantity | Total |
| Transportation / Mile: | \$ 0.47 | X 2000 | = \$ 940.00 | 2000 | \$ 940.00 | 18000 | = \$ 8,460.00 |
| Meals / Day: | | X | = \$ - | | - | | = \$ - |
| Lodging / Day: | | X | = \$ - | | - | | = \$ - |
| Printing / Shipping: | | | - | | - | | - |
| Other (Specify): | | | - | | - | | - |
| Other (Specify): | | | - | | - | | - |
| Total Reimbursable Expenses | | | \$ 940.00 | | \$ 940.00 | | \$ 8,460.00 |

| III. INDIRECT / OVERHEAD EXPENSES | | PRE-CONSTRUCTION | | CONSTRUCTION | | CONSTRUCTION INSPECTION | |
|--|---------|------------------|--|--------------|-------------|-------------------------|--------------|
| Indirect/Overhead Rate (not to exceed 145%): | 125.00% | \$ 15,937.50 | | 125.00% | \$ 7,968.75 | 125.00% | \$ 37,500.00 |
| IV. PROFIT: (2.35x(1,2,3)x ALLOWABLE RATE) | | PRE-CONSTRUCTION | | CONSTRUCTION | | CONSTRUCTION INSPECTION | |
| Allowable Rate (Maximum of 13%): | 10.00% | \$ 2,996.25 | | 10.00% | \$ 1,498.13 | 10.00% | \$ 7,050.00 |

(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) = | \$ 49,405.63 | Private: | \$ - | Private: | \$ - |
| Continuing Contract: (I+II) = | \$ - | Public: | \$ 83,010.00 | Public: | \$ - |
| TOTAL COST (Engineering and Inspection) | | | | | |
| | | Standard Consultant: | \$ 132,415.63 | | |
| | | Continuing Contract: | \$ - | | |

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 | | | - | | - | | - |
| | \$ - | | - | | - | | - |
| Total Engineering Services | | 0 | \$ - | 0 | \$ - | 0 | \$ - |

| II. REIMBURSABLE EXPENSES | | PRE-CONSTRUCTION | | CONSTRUCTION | | CONSTRUCTION INSPECTION | |
|------------------------------------|-----------|------------------|-------------|--------------|-------------|-------------------------|-------------|
| Classification | Cost/Unit | Quantity | Total | Quantity | Total | Quantity | Total |
| Transportation / Mile: | | X | = \$ - | | - | = | \$ - |
| Meals / Day: | | X | = \$ - | | - | = | \$ - |
| Lodging / Day: | | X | = \$ - | | - | = | \$ - |
| Printing / Shipping: | | | - | | - | | - |
| Other (Specify): | | | - | | - | | - |
| Other (Specify): | | | - | | - | | - |
| Total Reimbursable Expenses | | | \$ - | | \$ - | | \$ - |

| III. INDIRECT / OVERHEAD EXPENSES | | PRE-CONSTRUCTION | | CONSTRUCTION | | CONSTRUCTION INSPECTION | |
|--|-------|------------------|--|--------------|------|-------------------------|------|
| Indirect/Overhead Rate (not to exceed 145%): | 0.00% | \$ - | | 0.00% | \$ - | 0.00% | \$ - |

| TOTAL ENGINEERING COST: | | TOTAL INSPECTION COST: | |
|-------------------------|------|------------------------|------|
| | \$ - | Private: | \$ - |
| | | Public: | \$ - |