



UTILITY ENGINEERING AND RELOCATION ESTIMATE

UTILITY INFORMATION

Utility Name: City of Crossville-Catoosa Utility Dept

Utility Address: 392 North Main Street

City, State: Crossville, Tennessee Zip Code: 38555-4232

Phone: (931) 484-7060

Contact Name: Valerie Hale, City Manager

Email: valerie.hale@crossvilletn.gov

CONSULTANT INFORMATION

Consultant Name: Hussey Gay Bell - Nashville, LLC

Consultant Address: 4117 Hillsboro Pike, Suite 206

Nashville, Tennessee Zip Code: 37215-2728

Phone: (615) 460-7515

Contact Name: Justin Robinette, P.E., Managing Director

Email: jrobinette@husseygaybell.com

TDOT PROJECT INFORMATION

Project Description: SR-28 (US-127) Near Potato Farm Road to near Hollow Lane (

Federal Project No.: STP-28(32)

State Project No.: 18008-2222-14

County(ies): Cumberland

(Phase II)

Revision 07/03/2015



ESTIMATE OF ENGINEERING COST

TDOT Project Number(s): STP-28(32) 18008-2222-14

County(ies): Cumberland

Utility Name & Address:
 City of Crossville-Catoosa Utility Dept
 392 North Main Street
 Crossville, Tennessee 38555-4232

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	100	\$ 6,009.00		\$ -
Project Manager			\$ -		\$ -		\$ -
Design Engineer			\$ -		\$ -		\$ -
Designer / Senior Designer	\$ 40.80	480	\$ 19,584.00	120	\$ 4,896.00		\$ -
Techician / Draftsperson			\$ -		\$ -		\$ -
Administrative	\$ 27.90	80	\$ 2,232.00	100	\$ 2,790.00		\$ -
Field Inspector	\$ 19.20		\$ -		\$ -	2080	\$ 39,936.00
Licensed Surveyor			\$ -		\$ -		\$ -
Rod Person			\$ -		\$ -		\$ -
	\$ -		\$ -		\$ -		\$ -
Total Engineering Services		660	\$ 27,825.00	320	\$ 13,695.00	2080	\$ 39,936.00
II. REIMBURSABLE EXPENSES		Quantity	Total	Quantity	Total	Quantity	Total
Transportation / Mile:		X	\$ -		\$ -		\$ -
Meals / Day:	\$ 51.00	X 260	\$ 13,260.00		\$ -		\$ -
Lodging / Day:	\$ 80.00	X 260	\$ 20,800.00		\$ -		\$ -
Printing / Shipping:			\$ -		\$ -		\$ -
Other (Specify):			\$ -		\$ -		\$ -
Other (Specify):			\$ -		\$ -		\$ -
Total Reimbursable Expenses			\$ 34,060.00		\$ -		\$ -
III. INDIRECT / OVERHEAD EXPENSES							
Indirect/Overhead Rate (not to exceed 145%):		125.00%	\$ 34,781.25	125.00%	\$ 17,118.75	125.00%	\$ 49,920.00
IV. PROFIT: (2.35x(1,2,3)x ALLOWABLE RATE)							
Allowable Rate (Maximum of 13%):		13.00%	\$ 8,500.54	13.00%	\$ 4,183.82	13.00%	\$ 12,200.45

(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) =	\$ 140,164.36	Private:	\$ 50,007.66	Private:	\$ -
Continuing Contract: (I+II) =	\$ -	Public:	\$ 52,048.79	Public:	\$ -
TOTAL COST (Engineering and Inspection)					
		Standard Consultant:	\$ 242,220.81	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		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							
Indirect/Overhead Rate (not to exceed 145%):		125.00%	\$ -	125.00%	\$ -	125.00%	\$ -
TOTAL ENGINEERING COST:							
			\$ -		\$ -		
TOTAL INSPECTION COST:							
		Private:	\$ -	Public:	\$ -		

INSTALLATION LABOR AND MATERIALS; BETTERMENT; MATERIALS PROVIDED TO THE STATE

EQUIPMENT COST INCLUDED WITH INSTALLATION COST

TDOT Item No.	Item Description	Qty	LABOR				MATERIAL			BETTERMENT		
			In House Cost		Contract (Bid/Continuing)		Unit Cost	Provided to State	Install Extended	Labor	Material	
			Unit Cost	Extended	Unit Cost	Extended						
795-02.04	6IN HDPE WATER LINE	2,000	\$	-	\$303.94	\$	607,880.00			\$	-	
795-03.04	4IN PVC WATER LINE	500	\$	-	\$68.25	\$	34,125.00			\$	-	
795-03.05	6IN PVC WATER LINE	24,400	\$	-	\$134.89	\$	3,291,316.00			\$	-	
795-03.07	10IN PVC WATER LINE	175	\$	-	\$63.00	\$	11,025.00			\$	-	
795-05.10	HHD 2IN HDPE CASING PIPE - UNCON	200	\$	-	\$1,561.35	\$	312,270.00			\$	-	
795-05.62	BORE/JACK 10IN STEEL CASING PIPE-UNCON	203	\$	-	\$302.16	\$	61,338.48			\$	-	
795-06.01	CONNECT TO 2IN WATER LINE	3	\$	-	\$2,300.00	\$	6,900.00			\$	-	
795-06.03	CONNECT TO 4IN WATER LINE	3	\$	-	\$2,647.00	\$	7,941.00			\$	-	
795-06.04	CONNECT TO 6IN WATER LINE	14	\$	-	\$3,050.00	\$	42,700.00			\$	-	
795-06.30	CUT/CAP EXISTING LINES	17	\$	-	\$1,082.49	\$	18,402.33			\$	-	
795-06.35	CUT/CAP SERVICE LINE	8	\$	-	\$499.31	\$	3,994.48			\$	-	
795-07.01	4IN X 4IN TAPPING SLEEVE AND VALVE	4	\$	-	\$3,700.00	\$	14,800.00			\$	-	
795-07.03	6IN X 6IN TAPPING SLEEVE AND VALVE	11	\$	-	\$4,620.00	\$	50,820.00			\$	-	
795-08.03	4IN GATE VALVE ASSEMBLY	1	\$	-	\$2,148.30	\$	2,148.30			\$	-	
795-08.04	6IN GATE VALVE ASSEMBLY	43	\$	-	\$2,053.20	\$	88,287.60			\$	-	
795-09.01	3/4IN WATER SERVICE METER ASSEMBLY	61	\$	-	\$919.40	\$	56,083.40			\$	-	
795-09.09	RELOCATE/RECONNECT SERVICE ASSEMBLY	1	\$	-	\$2,195.45	\$	2,195.45			\$	-	
795-09.60	3/4IN PEX SERVICE PIPE	700	\$	-	\$61.47	\$	43,029.00			\$	-	
795-11.01	BLOW OFF ASSEMBLY	4	\$	-	\$3,500.00	\$	14,000.00			\$	-	
795-11.02	FIRE HYDRANT ASSEMBLY	17	\$	-	\$7,663.98	\$	130,287.66			\$	-	
795-13.05	CREEK CROSSING #1	1	\$	-	\$15,000.00	\$	15,000.00			\$	-	
795-13.06	CREEK CROSSING #2	1	\$	-	\$15,000.00	\$	15,000.00			\$	-	
795-13.07	CREEK CROSSING #3	1	\$	-	\$15,000.00	\$	15,000.00			\$	-	
795-13.08	CREEK CROSSING #4	1	\$	-	\$15,000.00	\$	15,000.00			\$	-	
795-13.09	CREEK CROSSING #5	1	\$	-	\$15,000.00	\$	15,000.00			\$	-	
795-13.10	CREEK CROSSING #6	1	\$	-	\$15,000.00	\$	15,000.00			\$	-	
795-13.11	CREEK CROSSING #7	1	\$	-	\$15,000.00	\$	15,000.00			\$	-	
795-13.12	CREEK CROSSING #8	1	\$	-	\$15,000.00	\$	15,000.00			\$	-	
795-13.13	CREEK CROSSING #9	1	\$	-	\$15,000.00	\$	15,000.00			\$	-	
795-14.08	RESTORE ASPHALT	190	\$	-	\$140.00	\$	26,600.00			\$	-	
795-14.09	RESTORE CONCRETE	210	\$	-	\$180.00	\$	37,800.00			\$	-	
795-15.30	10IN STEEL CASING PIPE OPEN CUT	1,500	\$	-	\$500.00	\$	750,000.00			\$	-	
TOTAL INSTALLATION COSTS			\$	-	\$	5,748,943.70			\$	-	\$	-

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REMOVAL LABOR; SALVAGE AND NON-USABLE (JUNKED) MATERIALS

TDOT Item No.	Item Description	Qty	LABOR				MATERIAL	
			In House Cost		Contract (Bid/Continuing)		Salvage / Reused	Junked / Scrapped
			Unit Cost	Extended	Unit Cost	Extended		
			\$	-	\$	-		
			\$	-	\$	-		
			\$	-	\$	-		
			\$	-	\$	-		
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			\$	-	\$	-		
			\$	-	\$	-		
			\$	-	\$	-		
TOTAL REMOVAL COSTS			\$	-	\$	-	\$	-

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SITE COSTS

(Move Prior Only)	
Clearing & Grubbing:	
Traffic Control:	
Erosion Control:	
TOTAL SITE COST	\$ -

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Project No: 18008-2222-14

County: Cumberland

Date: December 11, 2024

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

Primary Contact: Valerie Hale, City Manager
E-mail: valerie.hale@crossvilletn.gov **Phone:** (931) 484-7060
Secondary Contact: _____
E-mail: _____ **Phone:** _____
Utility Name: City of Crossville-Catoosa Utility Dept
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: 49% Private ROW - #Poles / Length of facility: 5056
 Percent On Public: 51% Public ROW - #Poles / Length of facility: 5168
 Total Percentage: 100% Total #Poles / Length of facility: 10224

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		\$ 71,106.79
Construction		\$ 34,997.57
Construction Inspection	Private	\$ 50,007.66
Construction Inspection	Public	\$ 52,048.79
Reimbursable Expenses		\$ 34,060.00
ENGINEERING COST:		\$ 242,220.81

CONSTRUCTION (LABOR & MATERIAL)		
Description		Amount
Installation Labor		\$ 5,748,943.70
Installation Materials		\$ -
Removal Labor		\$ -
Site Costs		\$ -
Material Provided to State		\$ -
Salvage Materials		\$ -
Non-Usable Materials		\$ -
ESTIMATED CONSTRUCTION COST:		\$ 5,748,943.70

BETTERMENT		
Description		Amount
Installation Labor		\$ -
Installation Materials		\$ -
ESTIMATED UTILITY BETTERMENT COST:		\$ -
ESTIMATED REPLACEMENT EASEMENT COST:		\$ 11,285.77
If cost is listed above, separate Easement Contract is needed		
ESTIMATED TOTAL CONSTRUCTION COST:		\$ 5,991,164.51

UTILITY REIMBURSEMENT	
CHAPTER 86 MOVE-IN CONTRACT:	\$ 190,172.02
CHAPTER 86 MOVE PRIOR:	\$ -
NON-CHAPTER 86 MOVE-IN CONTRACT:	\$ -
NON-CHAPTER 86 % PUBLIC/PRIVATE:	\$ -

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

UTILITY DEPOSIT (IF APPLICABLE)	
RELOCATION EXCEEDS \$1.75M CAP:	\$1,305,493.90
AMOUNT OVER 75% REIMBURSEMENT:	\$0.00
ESTIMATED UTILITY BETTERMENT COST:	\$0.00
NON-CHAPTER 86 MOVE-IN CONS'T COST:	\$0.00
TOTAL UTILITY DEPOSIT:	\$1,305,493.90

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



Chapter 86 Certification

In accordance with Tennessee Department of Transportation policy number 340-07, the following information is provided with regards to required compliance documentation for utility relocation reimbursement in accordance with TCA 54-5-804 and TCA 54-5-854.

PROJECT #/S: 18008-2222-14 COUNTY/S: Cumberland
FEDERAL: STP-28(32) PIN: 100260.03

- 1. The utility is seeking reimbursement under provisions of TCA 54-5-804 as amended by Public Acts 2003, Chapter number 86.
2. To the best of my knowledge the utility is in compliance with TCA § 54-5-804(a)(1) and this policy in that the utility has returned its relocation plan, schedule, and cost estimate to the Department within 120 days after receipt of the Department's project plans, or within such additional time as may be allowed in accordance with TCA § 54-5-854(b).
3. To the best of my knowledge the utility is in compliance with TCA 54-5-804(b) in that the utility has a valid permit to locate its utility facility on the public highway right-of-way.
4. The utility is eligible for reimbursement in accordance with the Limitation provisions of the TDOT Policy 340-07 in that it is:
Municipally Owned [X] Utility District [] Utility Cooperative []

- 5. The utility is considered to be a specific utility category listed in accordance with the Limitation provisions of the TDOT Policy 340-07:
[] Water
[] Waste Water
[] Gas [] Distribution [] Transmission
[] Electric [] Distribution [] Transmission
[] Communication [] CATV [] Phone [] Fiberoptic [] Broadband
[] Street Lighting
[] Other

Signature indicates this individual has the legal authority to sign contracts and agreements to obligate the utility.

Signature: Date:
Print Name: Valerie Hale
Title: City Manager
Utility Name: City of Crossville-Catoos Utility Dept.
Utility Address: 392 North Main Street
City, State, Zip: Crossville, Tennessee 38555
Phone Number: (931) 484-7060
Fax Number:
Email Address: valerie.hale@crossvilletn.gov



Certification Contract Obligation

Date: _____

TDOT Region II Construction Office
(Region)

Attn: Andrew Miller, Project Engineer

Address: 7512 Volkswagen Drive
Chattanooga, Tennessee 37416
(information is provided on the Utility Begin Work Authorization letter)

PROJECT #/S: 18008-2222-14 COUNTY/S: Cumberland

FEDERAL: STP-28(32) PIN: 100260.03

DESCRIPTION: SR-28 (US-127) Near Potato Farm Road to near Hollow Lane (EPD)

UTILITY CONTRACT #: _____

The Utility completed their utility relocation on _____ (date of completion) in accordance with the approved relocation plans for the above referenced project number prior to the date specified and in accordance with the executed contract referenced.

NOTE EXCEPTIONS:

Maintaining services to business and/or residences is attached.

Signature indicates this individual has the legal authority to sign contracts and agreements to obligate the utility.

Signed: _____

Date: _____

Print Name: Valerie Hale

Title: City Manager

Utility Name: City of Crossville-Catoosa Utility Dept.

Water Telephone

Address: 392 North Main Street

Sewer CATV

City, State, Zip: Crossville, Tennessee 38555

Power Other: _____

Phone No: (931) 484-7060

Gas _____

Fax No: _____

Email: valerie.hale@crossvilletn.gov

TDOT USE ONLY:	
<input type="checkbox"/>	This Certification Letter is accepted.
<input type="checkbox"/>	This Certification Letter is accepted pending Final Verification by project staking.
<input type="checkbox"/>	This Certification is not accepted. Reason: _____

Signed: _____	Date: _____
TDOT Construction office representative	
CC: TDOT Construction Project File	
TDOT Regional Utility Office	

CERTIFICATION EXCEPTIONS:

The following business and/or residences on proposed State right-of-way have not been vacated at the time of the relocation, and utility services are being maintained temporarily. Upon written notice to the utility contact listed below, the utility will

State Project Tract No.	Type of Occupied Property	Type of Utility Service (water, sewer, gas, electric, CATV)	Address	Period of time utility obligates to remove facility (Calendar Days)

Remarks:

- 1 _____
- 2 _____
- 3 _____
- 4 _____
- 5 _____
- 6 _____
- 7 _____
- 8 _____
- 9 _____
- # _____
- # _____
- # _____
- # _____
- # _____
- # _____

TDOT Utility Office Maintenance of Traffic Procedures.

Except in emergencies, no lane closures will be permitted on any state routes with 30,000 or greater Average Daily Traffic or any interstate routes, without the explicit consent of the TDOT Project Engineer. On projects where work is required in traffic lane(s) or where a lane closure is necessary for public safety, the Utility must submit a request to the Department at least seven (7) working days prior to the date of the anticipated lane closure(s). All requests for lane closure(s) must list the exact location, the time that the closure will begin, the estimated duration and reasons for the proposed lane closure(s).

If all lanes in one or both directions on an interstate route are to be closed for any length of time, the Utility must submit their request at least fourteen (14) calendar days before the anticipated event.

No lane closures or traffic restrictions will be allowed on the following days

Good Friday

Easter

After 6:00 pm on the Thursday preceding Good Friday through and including Easter Sunday

Memorial Day

After 12:00 noon on the preceding Friday through Memorial Day

July 4

The observed holiday and preceding day plus weekend days either preceding or following these two days

Labor Day

After 12:00 noon on the preceding Friday through Labor Day

Thanksgiving

After 12:00 noon on Wednesday before Thanksgiving through Sunday following Thanksgiving

Christmas/New year's Day

December 24 through January 1 and any preceding and/or following days that fall on a weekend

Offroad work will be allowed but only to the extent that NO impact will be caused to the highway users.

During any suspension of work, the Utility shall make passable and shall open to traffic such portions of the project and temporary roadways or portions thereof as may be directed by the TDOT Project Engineer for the temporary accommodation of necessary traffic during the anticipated period of suspension. Thereafter, and until issuance of an order for the resumption of construction operations, the maintenance of the temporary route or line of travel will be by the Utility. When work is resumed, the Utility will replace or renew any work or materials lost or damaged because of such temporary use of the project; shall remove, to the extent directed by the TDOT Project Engineer, any work or materials used in the temporary maintenance, and shall complete the project in every respect as though its prosecution had been continuous.