

October 2, 2023

Tennessee Department of Transportation Suite 600, James K. Polk Building Nashville, TN 37243

Project: 82010-3236-14

County: Sullivan

Description: SR93, from south of Horse Creek to north of Derby Drive

The City of Kingsport Utilities Department would like TDOT to include waterline relocation in the above state road contract with Chapter 86 reimbursement.

Please send any questions or concerns to WSEngineers@KingsportTN.gov.

Sincerely,

Chad E. Austin, PE

Assistant Utilities Director – Engineering / Operations

City of Kingsport, TN

Chad & Lustin

ChadAustin@KingsportTN.gov



UTILITY ENGINEERING AND RELOCATION ESTIMATE

	UTILITY INFO	RMATION						
Utility Name:	City of Kingsport (WA	ATER)						
Utility Address:	1113 Konnarock Roa	nd						
City, State:	Kingsport, TN	Kingsport, TN Zip Code: 376						
Phone:	423-343-9845							
Contact Name:	Alys Dobbins	Alys Dobbins						
Email:	AlysDobbins@KingsportTN.gov							
	CONSULTANT IN	JEORMATION						
Consultant Name:	Barge Design Solution							
Consultant Address:	Four Sheridan Square, Suite 100							
	Kingsport, TN	Zip Code:	37660					
Phone:	865-934-4146							
Contact Name:	Andrew Clark, PE							
Email:	andrew.clark@barge	design.com						
	TDOT PROJECT I	NFORMATION						
Project Description:	S.R. 93, from south of	of Horse Creek to north of De	erby Drive					
Federal Project No.:	STP-93(15)	STP-93(15)						
State Project No.:	82010-3236-14							
County(ies):	Sullivan	Sullivan						



ESTIMATE OF ENGINEERING COST

TDOT Project Number(s):	STP-93(15)	82010-3236-14			County(ies):	Sullivan			
Utility Name & Address:					Consultant Name	e & Address:			
City of Kingsport (WATER)			_		Barge Design Sol				
1113 Konnarock Road	27664		_		Four Sheridan Sq		2660		
Kingsport, TN	37664		_		Kingsport, TN	37	660		
		CON	SULTA	NT ENGINEE	RING ESTIMA	ATE			
Place an "X" in the appropriate be	ox:	x Standard Contra	ct		Continuing Cont	tract (attach copy of Contrac	t for TDOT verificati	on)	
I. ENGINEERING SERVICES		PRE-CC	NSTRU	CTION	CON	STRUCTION	CONSTRUC	TION INSPECTION	N
Classification	Rate/Hr	Hours		Total	Hours	Total	Hours	Total	
Principal Project Manager	\$ 90.00 \$ 80.00	37	\$	180.00 2,960.00		\$ - \$ -		\$ \$	-
Design Engineer	\$ 34.00	77	\$	2,618.00		\$ -		\$	-
Designer / Senior Designer	\$ 60.00	55	\$	3,300.00		\$ -		\$	-
Techician / Draftsperson	\$ 40.00	96	\$	3,840.00		\$ -		\$	-
Administrative	\$ 35.00	4	\$	140.00		\$ - \$ -		\$	-
Field Inspector Licensed Surveyor			\$			\$ -		\$	-
Rod Person			\$	-		\$ -		\$	-
	\$ -		\$	-		\$ -		\$	-
Total Engineering Services		271	\$	13,038.00	0	\$ -	0	\$	-
II. REIMBURSABLE EXPENSES									
	Cost/Unit	Quantity		Total	Quantity	Total	Quantity	Total	
Transportation / Mile:		X 500 =		315.00		<u>\$</u>		= \$	-
Meals / Day: Lodging / Day:		X = X ============================	= <u>\$</u> = \$			\$ - \$ -		= <u>\$</u> = \$	-
Printing / Shipping:			<u> </u>			Ψ		- Ψ	
Other (Specify):									
Other (Specify):									
Total Reimbursable Expenses			\$	315.00		\$ -		\$	
III. INDIRECT / OVERHEAD EXPE	NSES								
Indirect/Overhead Rate (not to ex	ceed 145%):	206.93%	\$	26,979.53	125.00%	\$ -	125.00%	\$	-
IV. PROFIT: (2.35x(1,2,3)x ALLOW	-								
Allowable Rate (Maximum of 13%		10.00%	\$	3,063.93	10.00%	\$ -	10.00%	\$	-
(Expenses	for Sections III an	nd IV only apply to C	onsulta	nt Engineering Se	rvices without a Co	ontinuing Contract agreem	ent with the Utility)	
TOTAL ENGINEERING / SURVEY	COST:				INSPECT	ΓΙΟΝ (Standard)	INSPECT	ION (Continuing)	
Standard Consultant: (I+II+III+IV)	=		\$	43,396.46	Private:	\$ -	Private:	\$	-
Continuing Contract: (I+II) =			\$	-	Public:	\$ -	Public:	\$	-
						TOTAL COS	T (Engineering and	Inspection)	
							ard Consultant:		96.46
						Contin	nuing Contract:	\$	_
							3		
		IN-	HOUS	E ENGINEER	ING ESTIMAT	E			
I. ENGINEERING SERVICES		PRF-CC	NSTRU	CTION	CON	STRUCTION	CONSTRUC	TION INSPECTION	N
Classification	Rate/Hr	Hours		Total	Hours	Total	Hours	Total	
Project Manager			\$	-		\$ -		\$	-
Engineer			\$	-		\$ - \$ -		\$	-
Draftperson Administrative			\$	<u> </u>		\$ - \$ -		\$	-
Field Inspector			\$	-		\$ -		\$	-
Licensed Surveyor			\$	-		\$ -		\$	-
Rod Person	\$ -		\$	<u> </u>		\$ - \$ -		\$	-
	\$ -		\$			\$ -		\$	-
Total Engineering Services		0	\$	-	0	\$ -	0	\$	-
II. REIMBURSABLE EXPENSES									
	Cost/Unit	Quantity		Total	Quantity	Total	Quantity	Total	
Transportation / Mile:		X =	= \$	-		\$ -		= \$	-
Meals / Day: Lodging / Day:		X =	= <u>\$</u> = \$	<u> </u>		\$ - \$ -		= <u>\$</u> = \$	-
Printing / Shipping:	•						·		
Other (Specify):									
Other (Specify):	-								
Total Reimbursable Expenses			\$	-		\$ -		\$	-
III. INDIRECT / OVERHEAD EXPE									
Indirect/Overhead Rate (not to ex	ceed 145%):	0.00%	\$	-	0.00%	\$ -	0.00%	\$	-
					TOTAL ENG	GINEERING COST:	TOTAL IN	SPECTION COST:	
					TOTAL ENG				-
					TOTAL ENG		TOTAL IN	\$ \$	<u>.</u>

TDOT Utility Form 2013-16 Sheet 1.1 Revision 07-03-2015

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

EQUIPMENT COST INCLUDED WITH INSTALLATION COST			LABOR				MATERIAL			BETTERMENT	
			In House Cost Contract (E		Contract (Bi	d/Continuing)	Unit Cost Provided to Sta		Install	Labor	Material
TDOT Item No.	Item Description	Qty	Unit Cost	Extended	Unit Cost	Extended	Unit Cost	Provided to State	Extended	Labor	Waterial
795-01.05	8IN DIP RESTRAINED JOINT WATER LINE	1,120		\$ -	\$125.00	\$ 140,000.00	\$65.00		\$ 72,800.00		
795-01.06	8IN DIP SLIP JOINT WATER LINE	2,080		\$ -	\$100.00	\$ 208,000.00	\$55.00		\$ 114,400.00		
795-03.02	2IN PVC WATER LINE	600		\$ -	\$50.00	\$ 30,000.00	\$25.00		\$ 15,000.00		
795-06.61	HDD 2IN PVC CARRIER PIPE	50		\$ -	\$65.00	\$ 3,250.00	\$35.00		\$ 1,750.00		
795-07.03	6IN X 6IN TAPPING SLEEVE AND VALVE	2		\$ -	\$7,600.00	\$ 15,200.00	\$3,900.00		\$ 7,800.00		
795-07.06	8IN X 8IN TAPPING SLEEVE AND VALVE	3		\$ -	\$8,600.00	\$ 25,800.00	\$4,400.00		\$ 13,200.00		
795-08.01	2IN GATE VALVE ASSEMBLY	1		\$ -	\$1,300.00	\$ 1,300.00	\$700.00		\$ 700.00		
795-08.05	8IN GATE VALVE ASSEMBLY	4		\$ -	\$2,600.00	\$ 10,400.00	\$1,400.00		\$ 5,600.00		
795-09.51	RECONNECT SERVICE ASSEMBLY	5		\$ -	\$1,600.00	\$ 8,000.00	\$900.00		\$ 4,500.00		
795-09.70	5/8IN WATER SERVICE METER ASSEMBLY	8		\$ -	\$1,600.00	\$ 12,800.00	\$900.00		\$ 7,200.00		
795-09.75	5/8IN COPPER SERVICE PIPE	375		\$ -	\$65.00	\$ 24,375.00	\$35.00		\$ 13,125.00		
795-11.01	BLOW-OFF ASSEMBLY	1		\$ -	\$6,000.00	\$ 6,000.00	\$3,000.00		\$ 3,000.00		
795-11.02	FIRE HYDRANT ASSEMBLY	1		\$ -	\$7,700.00	\$ 7,700.00	\$4,000.00		\$ 4,000.00		
795-15.25	16IN STEEL CASING PIPE OPEN CUT METHOD	70		\$ -	\$350.00	\$ 24,500.00	\$200.00		\$ 14,000.00		
				\$ -		\$ -			\$ -		
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-				\$ -		\$ -			\$ -		-
L				\$ -		\$ -	L		\$ -		
TOTAL INSTALLA	HON COSTS			\$ -	L	\$ 517,325.00		*	\$ 277,075.00	T	\$ -
				(To Page 4.1; F44)		(To Page 4.1; F44)		(To Page 4.1; F48)	(To Page 4.1; F45)	(To Page 4.1; F56)	(To Page 4.1; F57)

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

				LA	BOR		MATE	ERIAL
			In Ho	use Cost	Contract (Bi	d/Continuing)		Junked /
TDOT Item No.	Item Description	Qty	Unit Cost	Extended	Unit Cost	Extended	Salvage / Reused	Scrapped
795-12.01	REMOVE FIRE HYDRANT	1		\$ -	\$1,500.00	\$ 1,500.00		
795-12.02	REMOVAL OF EXISTING LINE	1		\$ -	\$2,500.00	\$ 2,500.00		
795-12.03	PIPE GROUTING	1		\$ -	\$11,000.00	\$ 11,000.00		
795-12.05	REMOVE BLOW-OFF ASSEMBLY	1		\$ -	\$2,000.00	\$ 2,000.00		
				\$ -		\$ -		
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TOTAL REMOVAL	COSTS			\$ -		\$ 17,000.00	\$ -	\$ -
				(To Page 4.1; F46)		(To Page 4.1; F46)	(To Page 4.1; F49)	(To Page 4.1; F50)

SITE COSTS

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

(To Page 4.1; F47)

Revision 10-25-2013

TDOT Utility Form 2013-16
Sheet 2.1

Sheet 2.1

Replacement Easement Acquisition Expenses

SHEET NUMBER	EXISTING EASEMENT (SF)	PROPOSED EASEMENT (SF)	SURVEY & ENGINEERING COST	ATTORNEYS FEES	RECORDING & OFFICE COST	EASEMENT COST	SHEET SUBTOTAL COST
							\$ -
							\$ -
			\$	\$	\$	\$	\$ -
			\$	\$	\$	\$	\$ -
			\$ -	\$ -	\$ -	\$ -	\$ -
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			\$ -	\$ -	\$ -	\$ -	\$ -
			\$ -	\$ -	\$ -	\$ -	\$ -
Total Easement Ac	Total Easement Acquisition Expenses Attached Additional Sheets: Y / N TOTAL						

(To Page 4.1; F61)

INSPECTION COSTS (PUBLIC)

IN-HOUSE	CONSULTANT					
IN-HOUSE	STANDARD	CONTINUING				
\$ -	\$ -	\$ -				

\$ -

INSPECTION COSTS (PRIVATE)

IN-HOUSE		CONSULTANT					
		STANDARD	CONTINUING				
\$	-	\$ -	\$ -				

\$ -

YES - the utility will seek reimbursement of eligible inspection expenses (PRIVATE) incurred in accordance with TCA 54-5-804 (a)(3)

NO - the utility will not seek reimbursement of eligible inspection expenses (PRIVATE) incurred in accordance with TCA 54-5-804 (a)(3)

Revision 10-25-2013 TDOT Utility Form 2013-16



Project No:	82010-3236-14
County:	Sullivan
Date:	September 29, 2023

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

					_		
Primary Contact:	Alys Dobbins				TDOT US	E ON	V
E-mail:	AlysDobbins@KingsportTN.gov	_	Phone:	423-343-9845	1001 03	L ON	_ 1
Secondary Contact:	Chad Austin				RG Approval and Date	:	
E-mail:	ChadAustin@KingsportTN.gov	_	Phone:	423-224-2509			
Utility Name:	City of Kingsport (WATER)				Consult Appr. Date:	1 1	
Address:	1113 Konnarock Road				Amount Approved:	\$	-
City, State:	Kingsport, TN			Zip: 37664	HQ Approval and Date	:	
Percent On Private:			Poles / Length of fac	·		PIN#:	
Percent On Public:			Poles / Length of fac		-	Contract #	:
Total Percentage:			Poles / Length of fac	7	Easement Contract #		
	r 86 Certified (Obtained from Ce		· <u> </u>	∃			
(If project does	not qualify for Chapter 86 Reim	burse	ment, then "Perce	nt on Private" will be use	d to calculate total amou	nt due to	Utility)
NO COS	ST / NO REIMBURSEMENT (S	TOP	HERE, REMAIND	ER OF FORM IS NOT R	EQUIRED)		
	CHAPTER 86	7		_	CHAPTER 86		
REIMBURSEMENT	MOVE PRIOR	<u> </u>		% P	rivate / Public Relocation	_	
REQUESTED	MOVE IN State Contract X			% Private / Public	MOVE IN State Contract		
(Please check ONE)	Move Again	Ī		Utility Replacement Ea	asement Reimbursement		
	ENGINEERING				JTILITY REIMBURSEMEN	IT .	
Description	l	•	Amount	CHARTER OF MOVE	IN CONTRACT.	•	10.000.10
Pre-Construction Construction		\$	43,081.46	CHAPTER 86 MOVE	-IN CONTRACT:	\$	43,396.46
	on Drivete	\$	-	CHAPTER 86 MOVE	DDIOD:	•	1
Construction Inspection Construction Inspection		\$ \$	-	CHAPTER 60 WOVE	PRIOR:	\$	-
Reimbursable Expens		э \$	315.00	NON-CHAPTER 86 M	MOVE-IN CONTRACT:	\$	_
ENGINEERING COS		\$	43,396.46	NON OTHER TER COM	IOTE III OOITIKAOT.	Ψ	
LITOINIZZININO OOO		Ψ	40,000.40	NON-CHAPTER 86 %	6 PUBLIC/PRIVATE:	\$	_
CO	NSTRUCTION (LABOR & MATE	RIAL)		,		Ţ	
Description	ı	•	Amount	Does Esti	mate Exceed \$1.75M Cap?	? - N	
Installation Labor		\$	517,325.00	Does E	stimate Require 75% Cap?	? - N	
Installation Materials		\$	277,075.00				
Removal Labor		\$	17,000.00				
Site Costs		\$	-	UTLI	TY DEPOSIT (IF APPLICA	ABLE)	
Material Provided to S	State	\$	-				
Salvage Materials		\$	-	RELOCATION EXCE	EEDS \$1.75M CAP:		\$0.00
Non-Usable Materials	;	\$	-				
			_	AMOUNT OVER 75%	% REIMBURSEMENT:		\$0.00
ESTIMATED CONST	RUCTION COST:	\$	811,400.00			_	
	DETTERMENT			ESTIMATED UTILITY	BETTERMENT COST:		\$0.00
Description	BETTERMENT		Amount	NON CHARTER OF A	NOVE-IN CONS'T COST:		\$0.00
Installation Labor	•	\$	Amount	NON-CHAPTER 00 N	IOVE-IIV CONS I COSI.		\$0.00
Installation Materials		\$	_				
motanation materials		Ψ		TOTAL UTILITY DEP	OSIT.		\$0.00
ESTIMATED UTILITY	BETTERMENT COST:	\$	-	TOTAL OTILITY BET	0011.		ψ0.00
ESTIMATED REPLACE	CEMENT EASEMENT COST:	\$	-				
If cost is listed	l above, separate Easement Co	ntract	is needed				
ESTIMATED TOTAL	CONSTRUCTION COST:	\$	854,796.46				
LOTHINATED TOTAL	30.13 INCOMON 6001.	Ψ	004,1 00.40				

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

Revision 10-25-2013 TDOT Utility Form 2013-16



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:	8201	0-3236-14	COUNTY/S	S:Sullivan
FEDERAL:	ST	P-93(15)	 PIN	l:112834.03
1. The utility is seeking	reimbursement under pro	ovisions of TCA 54-5-804 as	s ameneded by Public Acts 2	003, Chapter number 86.
relocation plan, sche	dule, and cost estimate t		804(a)(1) and this policy in th 0 days after receipt of the Dep 54-5-854(b).	
To the best of my kno facility on the public I		ompliance with TCA 54-5-80	04(b) in that the utility has a vi	alid permit to locate its utility
4. The utility is eligible f	or reimbursement in acco	ordance with the Limitation p	provisions of the TDOT Police	y 340-07 in that it is:
	Municipally Owned	X Utility District		Utility Cooperative
5. The utility is consider	red to be a specific utility	category listed in accordance	ce with the Limitation provision	ons of the TDOT Policy 340-07:
✓ Water				
☐ Waste Water				
Gas	Distribution	Transmission		
Electric	Distribution	Transmission		
Communication	☐ CATV	Phone	Fiberoptic	Broadband
Street Lighting				
Other				
Signa	ature indicates this indi	vidual has the legal author	rity to sign contracts and a	greements to obligate the utility.
Signature:				Date:
Print Name:				
Title:				
Utility Name:	Ci	ty of Kingsport		
Utility Address:				
City, State, Zip:				
Phone Number:				
Fax Number:				
Email Address:				

Revision 10-25-2013 TDOT Utility Form 2013-16



Declaration of Scheduled Calendar Days

Project Number: 82010-3236-14	4	Date:
Description: S.R. 93, from s	south of Horse Creek to	orth of Derby Drive
County: Sullivan		
Utility Name: City of Kingspo	ort (WATER)	
Address: 1113 Konnaro	ck Road	
City, State: Kingsport, TN		Zip Code : 37664
Phone Number: 423	3-343-9845	Fax Number:
Type of Facilities: Water CATV		as
Required Period services cannot be	interrupted: Potab	e water service must be maintained at all times.
"On or Before" date all w	ork will be completed. In ac	nced project. The utility can as an option submit an cordance with provisions set forth in TCA 54-5-854. Special Conditions
Stock Pile Material (Including ordering		2
material)	60	2
Mobilize Work Force (including Bidding process if Required)	10	3
Complete Relocation	75	4
Total Days To Complete	145	
Special Conditions:		
1. Potable water service must be m	naintained at all times wit	nin the project area. The new line must be installed,
tested and disinfected prior to plac	ing into service.	
2. Allows for shop drawing submitte	al, shop drawing review,	and delivery of materials.
3. Allows for mobilization of equipn		
4. Allows for main line installation,	testing, connections, and	service connections to the main.
Chall 9 Sint	11111111	
11 11 11 11 11 11 11 11 11 11 11 11 11	10/2/2023	
Signature of submitting		ignature of submitting Date

Subject to provisions of the TDOT Utility Office Maintenance of Traffic Procedures.

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.

Revision 07-03-2015 TDOT Utility Form 2013-16