

Ashland City, TN
 RD - 2021 Sewer System Rehabilitation
 Change Order #2

Bobby Luttrell and Sons, LLC											
Dundee, KY											
TN Lic #55481											
Item	Item Description	QTY	UNIT	UNIT PRICE	TOTAL	CHANGE ORDER #1		CHANGE ORDER #2		CHANGES from CO 1 to CO2	
						QTY	TOTAL	QTY	TOTAL	QTY	TOTAL
1	Lateral Location and Inspection (Section 330130.74)	350	EA	\$405.00	\$141,750.00	350	\$141,750.00	350	\$141,750.00	0	\$0.00
2	CIPP Full Lateral Wrap Repair from Main to Property Line up to 20' in length, complete and in place (Section 330130.74)	300	EA	\$3,520.00	\$1,056,000.00	254	\$894,080.00	230	\$809,600.00	-24	-\$84,480.00
3	Open-Cut 6" SDR 26 PVC Service Line Replacement from Main to Property Line up to 20' in length, complete and in place (Section 333100)	50	EA	\$4,250.00	\$212,500.00	50	\$212,500.00	80	\$340,000.00	30	\$127,500.00
4	Open-Cut Install additional 6" SDR 26 PVC Service Line, complete in place (Section 333100)	100	LF	\$100.00	\$10,000.00	100	\$10,000.00	130	\$13,000.00	30	\$3,000.00
5	Additional Service Line Lateral Wrap, complete and in place (Section 330130.74)	500	LF	\$15.00	\$7,500.00	500	\$7,500.00	350	\$5,250.00	-150	-\$2,250.00
6	Installation of clean-out and poly box at property line including connection to existing service lines to main and to house, complete and in place (Section 333100)	340	EA	\$1,800.00	\$612,000.00	310	\$558,000.00	200	\$360,000.00	-110	-\$198,000.00
7	Installation of clean-out and traffic rated box at property line including connection to existing service lines to main and to house, complete and in place (Section 333100)	10	EA	\$2,000.00	\$20,000.00	10	\$20,000.00	115	\$230,000.00	105	\$210,000.00
8	8" Diameter Sanitary Sewer Rehabilitation by Cured-In-Place Pipe Lining, complete and in place, including "pump around" provisions and testing following service reconnections (Section 330130.72)	475	LF	\$72.50	\$34,437.50	475	\$34,437.50	475	\$34,437.50	0	\$0.00
9	10" Diameter Sanitary Sewer Rehabilitation by Cured-In-Place Pipe Lining, complete and in place, including "pump around" provisions and testing following service reconnections (Section 330130.72)	350	LF	\$60.50	\$21,175.00	350	\$21,175.00	350	\$21,175.00	0	\$0.00
10	Dig and Replace - Remove Existing 8" Cast Iron Pipe and Open-Cut Install 8" SDR 26 PVC Pipe, complete (Section 333100)	100	LF	\$250.00	\$25,000.00	100	\$25,000.00	100	\$25,000.00	0	\$0.00
11	Remove and properly dispose of existing manhole and replace with new 4' diameter manhole, 10' of SDR 26 PVC for each pipe connection, traffic grade frame and cover, pipe connecting seals, and all other components for complete in place, tested and accepted manhole (Section 330561)	8	EA	\$7,500.00	\$60,000.00	8	\$60,000.00	8	\$60,000.00	0	\$0.00
12	8" Diameter Sewer Line Point Repair by Excavation, 0 to 10 feet in length, any depth (Section 333100)	10	EA	\$4,500.00	\$45,000.00	10	\$45,000.00	6	\$27,000.00	-4	-\$18,000.00
13	Manhole Rehabilitation (Calcium Aluminate Cement) - any depth (Section 330130.81)	375	VF	\$355.20	\$133,200.00	375	\$133,200.00	340	\$120,768.00	-35	-\$12,432.00
14	Manhole Rehabilitation - Clean and Repair Existing Epoxy Manhole Lining (Section 330130.81)	2	EA	\$900.00	\$1,800.00	2	\$1,800.00	2	\$1,800.00	0	\$0.00
15	Asphalt Pavement Repair (2" Binder TDOT 307 B-Modified/2" Surface TDOT 411E) (Section 321216)	450	SY	\$125.00	\$56,250.00	450	\$56,250.00	550	\$68,750.00	100	\$12,500.00
16	Asphalt Pavement Repair for TDOT Right-of-Way (4" Binder TDOT 307 B-Modified, 1-1/2" Surface TDOT 411E) (Section 321216)	75	SY	\$225.00	\$16,875.00	75	\$16,875.00	75	\$16,875.00	0	\$0.00
17	Post CCTV of all Sanitary Sewer Lines Receiving any level of work (Section 330130.11)	31000	LF	\$2.00	\$62,000.00	31000	\$62,000.00	31,000	\$62,000.00	0	\$0.00
18	Mobilization and Bonds	1	LS	\$70,000.00	\$70,000.00	1	\$70,000.00	1	\$70,000.00	0	\$0.00
19	CIPP Cap of Existing - Abandoned Services	0	LS	\$3,950.00	\$0.00	46	\$181,700.00	46	\$181,700.00	0	\$0.00
20	Concrete Driveway Repair	0	CY	\$350.00	\$0.00		\$0.00	25	\$8,750.00	25	\$8,750.00
TOTAL						\$2,585,487.50		\$2,551,267.50		\$2,597,855.50	\$46,588.00



Bobby Luttrell and Sons, LLC

190 Bank Circle Drive • Dundee, KY 42338 • Phone/Fax (270) 276-9439 • brett.morphew@luttrellandsons.com

Attention: Civil & Environmental Consultants, Inc. – Attention Stacey Cox
Town of Ashland City, TN – Sewer System Rehabilitation CEC Project No. 190-269
Emailed to scox@cecinc.com

Dear Stacey

The purpose of this letter is to formally request a second extension on the 2021 Ashland City Contract 121 Sewer Rehabilitation Project. The justification for this request is due in part to the time required to finalize the service renewal scope but the main driver is the condition of the existing rehab. The production rate on the initial schedule was predicated on an install rate of 12 installs per week. However, the production rate to date has been 7 to 8 installs per week which is due to the following delays our crews have encountered since construction began.

1. Every line 8-inch line has needed a complete bypass to complete BLD's scope of work. Bypassing line sections is occasionally part of the process however crews typically don't require a full pump around to complete our work. Flows have been excessive throughout the duration of the contract in which pumps arounds have been done daily to manage flows during the curing process.
2. Crews have had to contend with excessive manhole rehab product around the mouth of the pipe. The pipe ends have need to be cleared/cleaned of excess rehab to allow the lateral train to enter pipe. All pre-existing CIPP mainlines have manholes that were rehabbed and all have had to be altered to allow the entrance of the equipment.
3. Crews have encountered undercut taps that were brushed out to facilitate CIPP Lateral installation. While the initial directive was to covert those affected services to digs, our intent was to keep them trenchless to maintain BLD's scope of work.
4. Root removal and defective taps: Install Crews have found defects in services following the root removal process. Those services were converted back to full replacement after CIPPL crews exhausted time and effort to clean piping. This has created a situation where the open cut contractor must return to site to complete dig thus extending the time for the service renewal and restoration.
5. Existing under ground utilities and service locates: Survey crews have had to make multiple trips to job-site to relaunch and locate services where existing utilities have caused false readings. The consequence has been attempting excavations in areas that have been misidentified during cleanout installations.
6. Service Excavations: The service excavations quantity has increased from 50 to 72 which equates to added time needed to complete and restore affected areas. This is current. There are still 41 launches to perform, which will increase the digs and or the CIPP.
7. Weather delays. Although the weather has been bad throughout the winter months, all crews, given the nature of the project, have worked through most bad weather incidents. Thus also causing production to be hindered.

It is for the above-mentioned issues that additional time is warranted to complete the remaining scope. As it stands today there are around 80 CIPP laterals to complete, 24 cleanouts and 28 complete lateral replacements. This does not consider the 41 launches that remain that will increase the lining or digging component that may occur from the outcome of the TV work. The launches that remain will directly increase the amount of cleanouts to 65 total. Based upon our current production rates BLS is requesting 16 additional weeks to complete the project. 12 weeks to complete the remaining CIPP laterals with an additional 4 weeks to account for the laterals that still need to be reviewed. The dig scope will be complete before the CIPP scope is finished. This request is predicated primarily on the completion of the lateral lining as it is the largest component of the remaining scope of work.

Thank you again for the opportunity and we look forward to hearing back regarding this request. If you have any questions or require any further information, please do not hesitate to contact me.

Brett Morpheu

Member

Bobby Luttrell and Sons, LLC

190 Bank Circle Dr

Dundee, KY 42338

270-256-3565 Mobile

270-276-9439 Office



Bobby Luttrell and Sons, LLC

190 Bank Circle Drive • Dundee, KY 42338 • Phone/Fax (270) 276-9439 • brett.morphew@luttrellandsons.com

Stacey,

Anticipated schedule for the remaining work is as follows.

Underground Eyes beginning March 27th ending April 10th.

Craft Co. beginning March 29th – All remaining dig work should take no longer than 8 weeks weather permitting.

BLD beginning March 30th 10-15 weeks weather permitting.

Asphalt paving will begin in the next couple of weeks and will take no longer than 2-3 weeks. As to the concrete paving that needs to be complete. I am estimating there to be 25 CY of concrete paving that will need to be performed to date. With that, after remaining launches that need to be performed this number may increase. The price for concrete replacement is based on \$200.00/CY for concrete and \$150.00/CY for labor and misc. materials, forms, etc... If you have any questions, please do not hesitate to give me a call.

Brett Morphew

Project Manager/Estimator

Bobby Luttrell and Sons, LLC

190 Bank Circle Dr

Dundee, KY 42338

270-256-3565 Mobile

270-276-9439 Office

[Brett.morphew@luttrellandsons.com](mailto:brett.morphew@luttrellandsons.com)