

Appendix A

Date: November 2, 2012

Bryan K. Slone; PE PLS

Mr. Keith Lovan,
Municipal Engineer, Sr.
LFUCG - Division of Engineering
101 East Vine Street, 4th Floor
Lexington, KY 40507

2001 Mercer Road
PO Box 14241
Lexington, KY 40512-4241

859 288-0253 Voice
859 288-0258 Fax

RE: **Clays Mill Road Improvements – Section 2C**
KDOT Item 7-224.55 & LFUCG Project No. 523
(Gas Pipeline Relocation Estimate)
CKY Project ID 11-05092

Dear Keith:

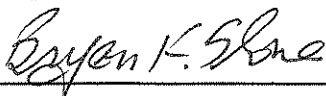
Please find accompanying Columbia Gas of Kentucky's (CKY) itemized estimate of natural gas pipeline relocation costs required to accommodate subject LFUCG roadway improvements. Our [preliminary] Relocation Drawings are also provided. We're still waiting on the traffic signal and a little bit of storm design data from CDP before calling them final. Also note that, in order to accomplish our proposed relocations within the scope of subject project, we're in need of installing new main along Comanche trail btwn Blenheim Way & Apache Trail and also along Keithshire Way btwn Post Road & the rear of Delzan Plaza as depicted on the accompanying Job Order sketches for both of these locations. That said, the enclosed estimate itemizes these three locations by separate Job Orders, however, the overall project cost is summarized on the first page.

A portion of the facilities CKY owns and operates within the construction limits of this project are located within private easements (copies enclosed), a portion of which were acquired prior to any written dedication of Clays Mill Road right-of-way. This segment is located, roughly, left of Stations 92+80 – 97+80. As a result, CKY retains senior rights and is subject to partial reimbursement (12.37%) for the cost of all associated pipeline construction. Also worth mentioning is that our proposed relocations as currently proposed are subject to CKY successfully acquiring a few private easements. We've begun negotiations for these easements and it appears favorable, however, to date we've not acquired any.

CKY's blanket pipeline contractor, Stanley Pipeline, will perform this construction subject to all required approvals and receipt of a fully executed "Keep Cost Agreement" from the LFUCG and/or the KYTC. We feel that fifty-five (55) working days is sufficient time to complete all associated pipeline construction.

If you have any questions please contact me at your earliest convenience at Ph. (859) 288-0253. In the meantime we'll be waiting on your reply before proceeding with any further work.

Respectfully,



Bryan K. Slone; PE PLS
Operations Engineer

Enclosures

Columbia Gas of Kentucky
 Clay's Mill Road Improvements - Section 2C
 KODT Item 7-224.55 & LFUCG Project 523
 Lexington, Kentucky

Pipeline Summary for Job Order 11-0263970-00		
Materials		\$33,713
Pipeline Contract	Stanley Pipeline	\$89,272
Company Labor		13,536
Tools and Vehicles		4,884
Supplies, Misc., Other		11,500
Engineering Consultant Contract	Duke Engineering/The Fishel Co/UELS	34,669
Labor Overheads		8,510
Construction Overheads		56,472
JCMS Service Line Relocation		7,500
Total Estimate for Job Order 11-0263970-00		\$260,055

Pipeline Summary for Job Order 12-0264213-00		
Materials		\$1,830
Pipeline Contract	Stanley Pipeline	\$7,579
Company Labor		992
Tools and Vehicles		355
Supplies, Misc., Other		500
Engineering Consultant Contract	The Fishel Company	460
Labor Overheads		581
Construction Overheads		4,796
Total Estimate for Job Order 12-0264213-00		\$17,092

Pipeline Summary for Job Order 12-0264212-00		
Materials		\$2,144
Pipeline Contract	Stanley Pipeline	\$5,739
Company Labor		992
Tools and Vehicles		355
Supplies, Misc., Other		750
Engineering Consultant Contract	The Fishel Company	460
Labor Overheads		581
Construction Overheads		4,298
Total Estimate for Job Order 12-0264212-00		\$15,318

Total Estimate for Project >>> \$292,465

ESTIMATED COLUMBIA CONTRIBUTION (87.63%) = \$256,301
ESTIMATED LFUCG/KYTC CONTRIBUTION (12.37%) = \$36,164

Columbia Gas of Kentucky
 Clay's Mill Road Improvements - Section 2C
 KODT Item 7-224.55 & LFUCG Project 523
 Lexington, Kentucky
 (Estimated Gas Pipeline Retirement Quantities)

RELOCATION DRAWING SHEET NO.	PUBLIC (Feet per Pipe Diameter)						PRIVATE (Feet per Pipe Diameter)					
	2"	3"	4"	6"	8"	12"	2"	3"	4"	6"	8"	12"
2	97		332	301								
3			483	622								
4			784	276				440	139			
5			151									
6			40	82	418							
SUBTOTAL	97	0	1,790	1,281	418	0	0	440	139	0	0	0
ft.-inches	194	0	7,160	7,686	3,344	0	0	1,760	834	0	0	0
TOTAL	18,384											
EST'D % REIMBURSED	12.37%											

ESTIMATED COLUMBIA CONTRIBUTION =

87.63%

ESTIMATED LFUCG/KYTC CONTRIBUTION =

12.37%

Columbia Gas of Kentucky
 Clay's Mill Road Improvements - Section 2C
 KODT Item 7-224.55 & LFUCG Project 523
 Lexington, Kentucky

Material Detail - Job Order 11-0263970-00

STK SYM NO	QTY	DESCRIPTION	UOM	PRICE	COST
	200	6" POWERCRETE STEEL PIPE	FT	\$ 25.000	\$ 5,000
07 - 26 - 2711	635	6" STEEL PIPE 0.188" w.t. X42 XTECII	FT	14.72	9,348
09 - 45 - 324	1,718	4" X 40' PE PLASTIC PIPE IPS SDR 11.5	FT	2.60	4,470
17 - 05 - 219	3	6" STEEL CAP WELD STD BLK	EA	31.10	93
17 - 15 - 225	2	6" 90 DEG ELL LR 0.188 w.t.	EA	127.65	255
17 - 22 - 219	4	6" STEEL 45 DEG ELL LR STD	EA	44.07	176
17 - 51 - 234	1	6" X 4" CONCENTRIC REDUCER STD	EA	42.48	42
21 - 29 - 049	2	6" X 3" PAC CLAMP	EA	10.71	21
21 - 29 - 059	2	8" X 3" PAC CLAMP	EA	13.52	27
21 - 29 - 149	2	6" X 6" PAC CLAMP	EA	18.28	37
21 - 29 - 159	2	8" X 6" PAC CLAMP	EA	29.71	59
21 - 69 - 075	1	6" X 4" STEEL REDUCING COUPLING	EA	212.23	212
21 - 69 - 080	1	8" X 6" STEEL REDUCING COUPLING	EA	440.69	441
21 - 70 - 102	1	4" SDR11.5 STIFFENER	EA	13.23	13
21 - 70 - 105	1	6" SDR13.5 STIFFENER	EA	24.32	24
21 - 83 - 221	2	6" X 1" STEEL SERVICE TEE	EA	42.11	84
21 - 83 - 263	2	8" X 1" STEEL SERVICE TEE	EA	54.07	108
42 - 09 - 925	4	DENSO PROFILING MASTIC	EA	22.44	90
42 - 11 - 102	4	2" X 25' DENSO PETROLAUM TAPE	EA	9.71	39
42 - 11 - 104	16	4" X 25' DENSO PETROLAUM TAPE	EA	19.42	311
42 - 11 - 303	2	4" X 100' DENSO UTILITY TAPE	RL	13.73	27
42 - 25 - 132	3	6" STEEL SPHERICAL TEE	EA	1,213.67	3,641
42 - 25 - 2002	3	2" FLAT BOTTOM PURGE FITTING	EA	75.37	226
42 - 31 - 217	6	17# ANODE HI-POTENTIAL	EA	63.55	381
42 - 53 - 303	3	3" TAPE BURIED GAS LINE	EA	9.69	29
42 - 55 - 276	2	6 INSULATOR - WELD ENDS	EA	2,261.49	4,523
42 - 77 - 554	10	KY PIPELINE MARKING POST	EA	21.41	214
43 - 02 - 0403	1	4" IPS PLASTIC CAP BUTT FUSED	EA	6.98	7
43 - 04 - 2403	2	4" IPS ELECTROFUSE COUPLING	EA	18.14	36
43 - 06 - 0403	4	4" IPS PLASTIC 90DEG ELL BUTT FUSE	EA	11.01	44
43 - 08 - 0403	4	4" IPS PLASTIC 45DEG ELL BUTT FUSE	EA	11.01	44
43 - 10 - 0403	4	4" X 2" PLASTIC REDUCER BUTT FUSE	EA	6.91	28
43 - 10 - 0453	1	6" X 4" PLASTIC REDUCER BUTT FUSE	EA	15.41	15
43 - 12 - 0403	1	4" IPS PLASTIC TEE BUTT FUSE	EA	13.22	13
43 - 28 - 081	1	4" STEEL-PLASTIC TRANSITION FITTING	EA	45.45	45
43 - 81 - 046	4	2" IPS PLASTIC PURGE PT BUTT FUSE	EA	13.44	54
44 - 77 - 470	5	KY MARKER TRIVIEW TEST STATION	EA	32.33	162
74 - 47 - 506	1	#12 TEST WIRE - SOLID BLACK	RL	69.30	69
74 - 47 - 512	1	#8 DIRECTIONAL BORE WIRE-YELLOW	RL	391.40	391
74 - 47 - 570	1	#12 WIRE TEST WIRE - SOLID WHITE	RL	72.15	72
74 - 47 - 578	2	#12 TRACER WIRE - SOLID YELLOW	RL	71.05	142
74 - 78 - 412	20	3/4" X 66' ELECTRICAL TAPE - BLACK	EA	3.79	76
74 - 80 - 102	2	4" MARKER BALL with E/F Tapping Tee	EA	20.83	42
74 - 80 - 105	12	4" ELECTRONIC MARKER BALL	EA	6.44	77
	1	MISCELLANEOUS MATERIAL	EA	2,500.00	2,500

Total Material Cost - Job Order 11-0263970-00>>> \$ 33,713

Columbia Gas of Kentucky
 Clay's Mill Road Improvements - Section 2C
 KODT Item 7-224.55 & LFUCG Project 523
 Lexington, Kentucky

Material Detail - Job Order 12-0264213-00

STK SYM NO	QTY	DESCRIPTION	UOM	PRICE	COST
09 - 45 - 324	375	4" X 40' PE PLASTIC PIPE IPS SDR 11.5	FT	\$ 2.602	\$ 976
42 - 53 - 303	1	3" TAPE BURIED GAS LINE	EA	9.69	10
42 - 77 - 554	2	KY PIPELINE MARKING POST	EA	21.41	43
43 - 04 - 2353	2	3" IPS ELECTROFUSE COUPLING	EA	12.40	25
43 - 04 - 2403	2	4" IPS ELECTROFUSE COUPLING	EA	18.14	36
43 - 06 - 0403	2	4" IPS PLASTIC 90DEG ELL BUTT FUSE	EA	11.01	22
43 - 10 - 0413	2	4" X 3" PLASTIC REDUCER BUTT FUSE	EA	6.92	14
43 - 15 - 2511	2	3" IPS PLASTIC E/FE TAPPING TEE	EA	12.98	26
43 - 81 - 046	1	2" IPS PLASTIC PURGE PT BUTT FUSE	EA	13.44	13
74 - 47 - 512	1	#8 DIRECTIONAL BORE WIRE-YELLOW	RL	391.40	391
74 - 78 - 412	3	3/4X66'TAPE ELEC	EA	3.79	11
74 - 80 - 105	2	4" ELECTRONIC MARKER BALL	EA	6.44	13
	1	MISCELLANEOUS MATERIAL	EA	250.00	250

Total Materal Cost - Job Order 12-0264213-00>>> \$ 1,830

Material Detail - Job Order 12-0264212-00

STK SYM NO	QTY	DESCRIPTION	UOM	PRICE	COST
09 - 45 - 324	250	4 X 40' PP IPS .	FT	\$ 2.602	\$ 651
17 - 15 - 163	2	4 ELL 90 LR STD	EA	25.00	50
42 - 09 - 925	1	DNSO PROFILNG MA	EA	22.44	22
42 - 11 - 104	4	4X25' DENSO COLO	EA	19.42	78
42 - 11 - 303	1	4X100 DENSO UTIL	RL	13.73	14
42 - 25 - 110	1	4 TEE SHORTSTOP	EA	392.21	392
42 - 25 - 2002	1	2"SSFLTBOTTOM PU	EA	75.37	75
42 - 31 - 217	1	17# ANODE HI-POT	EA	63.55	64
42 - 53 - 303	1	3 TAPE BURIED GA	EA	9.69	10
42 - 77 - 554	1	POST-KY PIPELINE	EA	21.41	21
43 - 04 - 2303	1	2 IPS CPLG E/F W	EA	5.18	5
43 - 04 - 2403	1	4 IPS CPLG E/F	EA	18.14	18
43 - 10 - 0403	1	4X2 REDUCER B/F	EA	6.91	7
43 - 15 - 2509	1	2IPSEXCTS EF TAP	EA	11.51	12
43 - 28 - 081	1	4TRNFIT S-P WE S	EA	45.446	45
43 - 81 - 046	1	2IPS PURG PT BF	EA	13.44	13
74 - 47 - 512	1	#8 DIR BORE WIRE	RL	391.40	391
74 - 78 - 412	5	3/4X66'TAPE ELEC	EA	3.79	19
74 - 80 - 105	1	4" ELECTRONIC MR	EA	6.44	6
	1	MISCELLANEOUS MATERIAL	EA	250.00	250

Total Materal Cost - Job Order 12-0264212-00>>> \$ 2,144

Clay's Mill Road Improvements - Section 2C
KODT Item 7-224.55 & LFUCG Project 523
Lexington, Kentucky

Construction Contract Detail - Job Order 11-0263970-00

ITEM NO.	Stanley Contract No. 11-5912-00		UNITS	UOM	UNIT COST	COST
	ITEM DESCRIPTION					
03 - 374	4" PLASTIC - REPLACE MAIN >3500'		430	LF	\$ 10.00	\$ 4,300
03 - 635	6" PLASTIC - REPLACE MAIN >3500'		2	LF	14.32	29
09 - 625	6" STEEL - REPLACE MAIN >3500'		635	LF	15.00	9,525
11 - 060	6" STEEL - DIRECTIONAL BORE, w/o CSG		200	LF	35.25	7,050
11 - 304	4" PLASTIC - DIRECTIONAL BORE, w/o CSG		1,300	LF	18.27	23,751
15 - 605	6" STEEL WELD INSULATOR		2	EA	198.28	397
17 - 400	4" WELDS, MAINS & SERVICES		2	EA	29.78	60
17 - 600	6" WELDS, MAINS & SERVICES		30	EA	43.53	1,306
25 - 005	PLASTIC SERVICE TIE-OVER w/o RELITE		4	EA	302.94	1,212
30 - 005	ISOLATED BELL HOLE		1	EA	242.35	242
35 - 005	SILT FENCE		400	LF	2.41	964
35 - 006	SEDIMENT FILTER SOCK		100	LF	3.00	300
35 - 015	JUTE NETTING		700	SF	0.33	231
35 - 020	SACK BARRIER		40	EA	9.25	370
36 - 020	PROCESSED STONE - CONT PROVIDE		80	TN	30.93	2,474
36 - 030	STONE DUST - CONT PROVIDE		160	TN	30.93	4,949
37 - 005	ROCK LEDGE EXCAVATION - NO BLASTING		500	FF	9.15	4,575
39 - 030	EXTRA DEPTH		500	FF	2.40	1,200
42 - 020	COLD PATCH - CONTRACTOR PROVIDE		160	SF	4.62	739
46 - 000	CURB & GUTTER; 0 - 50 l.f.		80	LF	13.88	1,110
46 - 045	4" CONCRETE SIDEWALK >200 SQ FT		200	SF	9.20	1,840
46 - 105	HANDICAP WHEEL CHAIR RAMP		2	EA	275.40	551
47 - 060	ASPHALT - 6-INCH		200	SF	7.46	1,492
48 - 060	CONCRETE - 6-INCH		200	SF	9.91	1,982
49 - 055	6-INCH CONCRETE w/2-INCH ASPHALT		240	SF	11.35	2,724
50 - 010	BYPASS INSTALL >25 FT		1	EA	385.56	386
51 - 200	2" SQUEEZE OFF PLASTIC w/TIE-IN		1	EA	297.02	297
51 - 400	4" SQUEEZE OFF PLASTIC w/TIE-IN		3	EA	331.29	994
52 - 600	6" BAG OFFw/TIE-IN		1	EA	502.65	503
52 - 800	8" BAG OFF w/TIE-IN		1	EA	641.56	642
54 - 610	6" SPHERICAL TEE w/o DRILLING		3	EA	275.40	826
58 - 206	6" WELDS for 6" SPHERICAL TEE		3	EA	374.54	1,124
98 - 140	FLAGGER		40	HR	19.38	775
98 - 270	NON-ELECTRICAL SEWER LOCATE		16	HR	122.40	1,958
98 - 300	MAINS & SERVICES 3-MAN CREW		24	HR	160.00	3,840
98 - 800	ARROW BOARD		20	DA	65.28	1,306
98 - 940	SAFETY FENCE		500	LF	0.50	250
99 - 400	MISCELLANEOUS DOLLARS		3,000	EA	1.00	3,000
						-

Total Construction Cost >>>

\$89,272

Columbia Gas of Kentucky
 Clay's Mill Road Improvements - Section 2C
 KODT Item 7-224.55 & LFUCG Project 523
 Lexington, Kentucky

Construction Contract Detail - Job Order 12-0264213-00

ITEM NO.	Stanley Contract No. 11-5912-00		UNITS	UOM	UNIT COST	COST
	ITEM DESCRIPTION					
36 - 030	STONE DUST - CONT PROVIDE		20	TN	\$ 30.93	\$ 619
46 - 045	4" CONCRETE SIDEWALK >200 SQ FT		200	SF	9.20	1,840
98 - 300	MAINS & SERVICES 3-MAN CREW		32	HR	160.00	5,120

Total Construction Cost - Job Order 12-0264213-00>>> \$ 7,579

Construction Contract Detail - Job Order 12-0264212-00

ITEM NO.	Stanley Contract No. 11-5912-00		UNITS	UOM	UNIT COST	COST
	ITEM DESCRIPTION					
36 - 030	STONE DUST - CONT PROVIDE		20	TN	\$ 30.93	\$ 619
98 - 300	MAINS & SERVICES 3-MAN CREW		32	HR	160.00	5,120

Total Construction Cost - Job Order 12-0264212-00>>> \$ 5,739

Columbia Gas of Kentucky
 Clay's Mill Road Improvements - Section 2C
 KODT Item 7-224.55 & LFUCG Project 523
 Lexington, Kentucky

Labor Detail - Job Order 11-0263970-00

DESCRIPTION	CREW TYPE	Duration (hh:mm)	Man Hours (Decimal)	Indiv. Raw Hr. Rate	LABOR COST
COMPANY INSPECTOR	CSA	360:00	360.00	\$ 31.00	\$ 11,160
WELDER	WELD	40:00	40.00	\$ 28.50	\$ 1,140
CORROSION TECHNICIAN	CRT	24:00	24.00	\$ 32.00	\$ 768
STREET SERVICE A - RELITES	SSA	16:00	16.00	\$ 29.25	\$ 468

Total Company Labor - Job Order 11-0263970-00>>> \$ 13,536

Labor Detail - Job Order 12-0264213-00

DESCRIPTION	CREW TYPE	Duration (hh:mm)	Man Hours (Decimal)	Indiv. Raw Hr. Rate	LABOR COST
COMPANY INSPECTOR	CSA	32:00	32.00	\$ 31.00	\$ 992

Total Company Labor - Job Order 12-0264213-00>>> \$ 992

Labor Detail - Job Order 12-0264212-00

DESCRIPTION	CREW TYPE	Duration (hh:mm)	Man Hours (Decimal)	Indiv. Raw Hr. Rate	LABOR COST
COMPANY INSPECTOR	CSA	32:00	32.00	\$ 31.00	\$ 992

Total Company Labor - Job Order 12-0264212-00>>> \$ 992

Columbia Gas of Kentucky
 Clay's Mill Road Improvements - Section 2C
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 Lexington, Kentucky

GENERAL TOOL / VEHICLE DETAIL - Job Order 11-0263970-00

Employee	Description of Work	TOOL/VEH.	Man-Hrs (Decimal)	TIME	RATE	COST
Company Inspector	Haul Materials & Tools	Truck	360.00	360:00	\$ 11.10	\$ 3,996
Welder	Haul Materials & Tools	Truck	40.00	40:00	\$ 11.10	\$ 444
Corrosion Technician	Haul Materials & Tools	Truck	24.00	24:00	\$ 11.10	\$ 266
Street Service A - Relites	Haul Materials & Tools	Truck	16.00	16:00	\$ 11.10	\$ 178

Total Tools and Vehicles - Job Order 11-263970-00>>> \$ 4,884

GENERAL TOOL / VEHICLE DETAIL - Job Order 12-0264213-00

Employee	Description of Work	TOOL/VEH.	Man-Hrs (Decimal)	TIME	RATE	COST
Company Inspector	Haul Materials & Tools	Truck	32.00	32:00	\$ 11.10	\$ 355

Total Tools and Vehicles - Job Order 12-0264213-00>>> \$ 355

GENERAL TOOL / VEHICLE DETAIL - Job Order 12-0264212-00

Employee	Description of Work	TOOL/VEH.	Man-Hrs (Decimal)	TIME	RATE	COST
Company Inspector	Haul Materials & Tools	Truck	32.00	32:00	\$ 11.10	\$ 355

Total Tools and Vehicles - Job Order 12-0264212-00>>> \$ 355

Columbia Gas of Kentucky
 Clay's Mill Road Improvements - Section 2C
 KODT Item 7-224.55 & LFUCG Project 523
 Lexington, Kentucky

Miscellaneous Detail - Job Order 11-0263970-00

Description	Quantity	UOM	Unit Price	Cost
Right-of-Way Costs	1,500.00	FT	\$ 5.00	\$ 7,500
Right-of-Way Damages	500.00	FT	\$ 5.00	\$ 2,500
Nitrogen for HP Test	10.00	EA	\$ 50.00	\$ 500
Miscellaneous Material & Supplies	20.00	EA	\$ 50.00	\$ 1,000

Total Miscellaneous Expense - JobOrder 11-0263970-00>>> \$ 11,500

Miscellaneous Detail - Job Order 12-0264213-00

Description	Quantity	UOM	Unit Price	Cost
Right-of-Way Damages	50.00	FT	\$ 5.00	\$ 250
Miscellaneous Material & Supplies	5.00	EA	\$ 50.00	\$ 250

Total Miscellaneous Expense - Job Order 12-0264213-00>>> \$ 500

Miscellaneous Detail - Job Order 12-0264212-00

Description	Quantity	UOM	Unit Price	Cost
Right-of-Way Damages	50.00	FT	\$ 5.00	\$ 250
Miscellaneous Material & Supplies	10.00	EA	\$ 50.00	\$ 500

Total Miscellaneous Expense - Job Order 12-0264212-00>>> \$ 750

Columbia Gas of Kentucky
 Clay's Mill Road Improvements - Section 2C
 KODT Item 7-224.55 & LFUCG Project 523
 Lexington, Kentucky

Job Order 11-0263970-00

Civil Consultant Detail - Preliminary Engineering/Surveying

FISHEL ITEM NO.	Contract No. 06-4910-02 ITEM DESCRIPTION	UNITS	UOM	UNIT COST	COST
52 - 920	Licensed Land Surveyor	3	HR	\$ 78.00	234
52 - 925	Two Person Survey Crew	26	HR	\$ 95.00	2,470
FISHEL ITEM NO.	Contract No. 12-6040-00 ITEM DESCRIPTION	UNITS	UOM	UNIT COST	COST
52 - 920	Licensed Land Surveyor	26	HR	\$ 89.00	2,314
52 - 925	Two Person Survey Crew	71	HR	\$ 115.00	8,165

Sub-Total Consultant Cost >>> \$ 13,183.00

Civil Consultant Detail - Preliminary Engineering/Engineering

DUKE ITEM NO.	Contract No. 11-5709-01 ITEM DESCRIPTION	UNITS	UOM	UNIT COST	COST
52 - 905	Licensed Professional Egr	10	HR	\$ 90.00	\$ 900
DUKE ITEM NO.	Contract No. 12-6011-00 ITEM DESCRIPTION	UNITS	UOM	UNIT COST	COST
52 - 905	Licensed Professional Egr	69.0	HR	\$ 90.00	\$ 6,210

Sub-Total Consultant Cost >>> \$ 7,110.00

Consultant Detail - Preliminary Engineering/Vac Excavations

UELS ITEM NO.	Contract No. 12-6038-01 ITEM DESCRIPTION	UNITS	UOM	UNIT COST	COST
42 - 020	Cold Patch-Contractor Provide	4	SF	\$ 6.00	\$ 24
98 - 210	Vac Excavation - 1 Man Crew	35	HR	\$ 130.50	\$ 4,568

Sub-Total Consultant Cost >>> \$ 4,591.50

Total Consultant Cost for Preliminary Engineering>>> \$ 24,884.50

Civil Consultant Detail - Remaining Esmt Acquisition/Surveying

FISHEL ITEM NO.	Contract No. 12-6040-00 ITEM DESCRIPTION	UNITS	UOM	UNIT COST	COST
52 - 900	Land Agent	40	HR	\$ 63.00	2,520
52 - 920	Licensed Land Surveyor	16	HR	\$ 89.00	1,424
52 - 925	Two Person Survey Crew	32	HR	\$ 115.00	3,680

Sub-Total Consultant Cost >>> \$ 7,624.00

Civil Consultant Detail - Remaining Engineering

DUKE ITEM NO.	Contract No. 12-6011-00 ITEM DESCRIPTION	UNITS	UOM	UNIT COST	COST
52 - 905	Licensed Professional Egr	24.0	HR	\$ 90.00	\$ 2,160

Sub-Total Consultant Cost >>> \$ 2,160.00

Consultant Cost for Remaining Egr'g & Surveying>>> \$ 9,784.00

Total Consultant Cost - Job Order 11-0263970-00>>> \$ 34,668.50

Job Order 12-0264213-00

Civil Consultant Detail - Remaining Surveying

FISHEL ITEM NO.	Contract No. 12-6040-00 ITEM DESCRIPTION	UNITS	UOM	UNIT COST	COST
52 - 925	Two Person Survey Crew	4	HR	\$ 115.00	460

Sub-Total Consultant Cost - Job Order 12-0264213-00>>> \$ 460.00

Job Order 12-0264212-00

Civil Consultant Detail - Remaining Surveying

FISHEL ITEM NO.	Contract No. 12-6040-00 ITEM DESCRIPTION	UNITS	UOM	UNIT COST	COST
52 - 925	Two Person Survey Crew	4	HR	\$ 115.00	460

Sub-Total Consultant Cost - Job Order 12-0264212-00>>> \$ 460.00

Columbia Gas of Kentucky
 Clay's Mill Road Improvements - Section 2C
 KODT Item 7-224.55 & LFUCG Project 523
 Lexington, Kentucky

Overhead Detail - Job Order 11-0263970-00

Labor Overheads		Overhead Cost
LABOR COST:	\$13,536	
VAC/NON-PROD %	17.810%	\$2,411
Subtotal -	\$15,947	
LABOR OVERHEAD %	38.245% COST:	\$6,099
Total Labor Overheads =		\$8,510

Construction Overheads:		Overhead Cost
Material, Contracts, Tools & Veh, ROW, Labor & Labor Overhead Cost:	\$196,083	
Supervision, Engineering, General & Administrative %:	28.800%	\$56,472
Subtotal -	\$252,555	
Allowance for Funds Used During Construction %:	0.3270% KYTC Does Not Pay	
Total Construction Overheads >>>		\$56,472

Total Overheads for Job Order 11-0263970-00>>> **\$64,982**

Overhead Detail - Job Order 12-0264213-00

Labor Overheads		Overhead Cost
LABOR COST:	\$ 992	
VAC/NON-PROD %	17.280%	\$171
Subtotal -	\$1,163	
LABOR OVERHEAD %	35.173% COST:	\$409
Total Labor Overheads =		\$581

Construction Overheads:		Overhead Cost
Material, Contracts, Tools & Veh, ROW, Labor & Labor Overhead Cost:	\$ 12,297	
Supervision, Engineering, General & Administrative %:	39.000%	\$4,796
Subtotal -	\$17,092	
Allowance for Funds Used During Construction %:	0.3270% KYTC Does Not Pay	
Total Construction Overheads >>>		\$4,796

Total Overheads for Job Order 12-0264213-00>>> **\$5,376**

Overhead Detail - Job Order 12-0264212-00

Labor Overheads		Overhead Cost
LABOR COST:	\$ 992	
VAC/NON-PROD %	17.280%	\$171
Subtotal -	\$1,163	
LABOR OVERHEAD %	35.173% COST:	\$409
Total Labor Overheads =		\$581

Construction Overheads:		Overhead Cost
Material, Contracts, Tools & Veh, ROW, Labor & Labor Overhead Cost:	\$ 11,020	
Supervision, Engineering, General & Administrative %:	39.000%	\$4,298
Subtotal -	\$15,318	
Allowance for Funds Used During Construction %:	0.3270% KYTC Does Not Pay	
Total Construction Overheads >>>		\$4,298

Total Overheads for Job Order 12-0264212-00>>> **\$4,879**