

<b>LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT CONTRACT CHANGE ORDER</b> Page 1 of 2	Date:	October 28, 2019	
	Project:	Town Branch Commons Corridor	
	Location:	Midland, Vine, Newtown	
To (Contractor): Gresham, Smith, and Partners	Contract No.	313-2016	
	Original Contract Amt.	\$929,283.00	
	Cumulative Amount of Previous Change Orders	\$2,256,512.39	
	Percent Change - Previous Change Orders		242.82%
	Total Contract Amount Prior to this Change Order	\$3,175,795.39	
	Change Order No.	5	

You are hereby requested to comply with the following changes from the contract plans and specification;

**Current Change Order**

Item No.	Description of changes-quantities, unit prices, change in completion date, etc.	Decrease in contract price	Increase in contract price	
1	Construction Administrative Services: TBC		\$199,949.00	
	Total decrease	\$0.00		
	Total increase		\$199,949.00	
	Net Amount of this Change Order	\$199,949.00		
	New Contract Amount Including this Change Order	\$3,375,744.39		
	Percent Change - This Change Order			5.92%
	Percent Change - All Change Orders			264.34%

The time provided for the completion in the contract and all provisions of the contract will apply hereto.

Recommended by B. J. [Signature] (Proj. Engr.) Date 10.28.19  
 Accepted by [Signature] (Contractor) Date 10.28.19  
 Approved by [Signature] (Director) Date \_\_\_\_\_  
 Approved by [Signature] (Commissioner) Date 10.28.19  
 Approved by Linda Gorton (Mayor or CAO) Date 12/3/2019

<b>LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT CONTRACT CHANGE ORDER</b> Page 1 of 2		Date:	October 28, 2019	
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Recommended by <u>Beli H</u>		(Proj. Engr.)	Date <u>10.28.19</u>	
Accepted by <u>Jim Brown</u>		(Contractor)	Date <u>10.28.19</u>	
Approved by _____		(Director)	Date _____	
Approved by _____		(Commissioner)	Date <u>10.28.19</u>	
Approved by <u>Linda Horton</u>		(Mayor or CAO)	Date <u>12/3/2019</u>	



**KENTUCKY TRANSPORTATION CABINET**  
 Department of Highways  
 DIVISION OF PROFESSIONAL SERVICES

TC 40-2  
 Rev. 10/2017  
 Page 1 of 1

**ENGINEERING AND RELATED SERVICES FEE PROPOSAL**

**SECTION 1: PROJECT INFORMATION**

<b>DATE:</b>	Oct 2, 2019	<b>COUNTY:</b>	Fayette	<b>ITEM #:</b>	
<b>PROJECT:</b>	Town Branch Commons Construction Administration/Inspection Services				

**SECTION 2: BUDGET INFORMATION**

FEE CONSIDERATIONS	PROPOSED MAN HOURS	NEGOTIATED MAN HOURS	AVERAGE RATE	ESTIMATED COST
Construction Administration/Inspection Services	725		\$ 59.22	\$ 42,934.50
				\$ -
This is a cost-plus with profit agreement on an on-call basis. All hours and costs are estimated.				\$ -
Any services needed above \$200k will require a contract modification.				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
<b>TOTAL PRODUCTION HOURS</b>	725			
			<b>TOTAL DIRECT PAYROLL</b>	\$ 42,934.50
			<b>OVERHEAD ( 159.47 %)</b>	\$ 68,467.65
			<b>PROFIT ( 15.00 %)</b>	\$ 16,710.32
			<b>COST OF MONEY ( 0.82 %)</b>	\$ 352.06

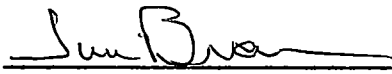
DIRECT COSTS	AMOUNT
PRINTING	\$ 45.60
TRAVEL	\$ 2,239
MEALS	\$ 200
<b>TOTAL DIRECT COSTS</b>	\$ 2,484.10

SUBCONSULTANTS	AMOUNT
Strand	\$ 69,000.00
<b>TOTAL SUBCONSULTANTS</b>	\$ 69,000.00

**TOTAL FEE \$ 199,949**

\*Rounded to the nearest dollar

**SECTION 3: SIGNATURE**

<b>FIRM NAME:</b>	<b>SIGNED BY:</b>
 	Principal
CONSULTANT SIGNATURE	TITLE
	9/30/2019
	DATE
PROFESSIONAL SERVICES SIGNATURE	TITLE
	DATE

<b>PRODUCTION-HOUR WORKSHEET</b> (revised 7/14)						
COUNTY <u>Fayette</u>		PROJECT TYPE <u>Multi-modal</u>				
ROUTE <u>Town Branch Commons CA</u>		CONSULTANT <u>Gresham Smith</u>				
DESC <u>On-call CA/Inspection services</u>		REVIEWED BY <u>John Eckler, PE</u>				
ITEM NO. _____		PREPARED BY <u>Jim Brannon, PE</u>				
		DATE <u>October 02, 2019</u>				
<b>SURVEY</b>						
No.	ITEM	CREW	UNIT	AMOUNT	HRS/UNIT	HOURS
<b>RECONNAISSANCE</b>						
1	Control - (existing)	1	Mile			0
2	Utilities - (data gathering, identification & contact)	1	No.			0
3	Drainage - (sink holes, streams, pipes, etc.)	1	Mile			0
<b>CONTROL</b>						
4	Horizontal	3	Mile			0
5	Vertical	3	Mile			0
6	Process data	1	Mile			0
<b>PLANIMETRIC SURVEY</b>						
7	Planimetric location <i>(specify complete, pickup or update)</i>	3	Mile			0
8	Subsurface Utility Engineering, Quality Levels C & D	1	Mile			0
9	Subsurface Utility Engineering, Quality Level B	1	LS			0
10	Subsurface Utility Engineering, Quality Level A	1	LS			0
11	Process data	1	Mile			0
<b>TERRAIN SURVEY</b>						
12	DTM data collection <i>(Items 11-18 not required if used)</i>	3	Acre			0
13	Verify terrain model accuracy	3	Mile			0
14	Tie-ins	3	No.			0
15	Drainage situations survey (Bridge)	3	No.			0
16	Drainage situations survey (Culvert)	3	No.			0
17	Drainage pipe section (non-situation size)	3	No.			0
18	Flood plain data	3	No.			0
19	Railroad Surveys	3	No.			0
20	Additional necessary DTM data <i>(specify pickup or update)</i>	3	Acre			0
21	Process data	1	Mile			0
<b>ESTABLISH PROPERTY LINES &amp; OWNERSHIP</b>						
22	Contact & Interview Property Owners	1	Parcel			0
23	Field tie property lines/corners	3	Parcel			0
<b>STAKING</b>						
24	Stake centerlines, approaches, detours	3	Mile			0
25	Stake core holes - structures <i>(unit is per structure)</i>	3	No.			0
26	Stake core holes - roadway <i>(unit is per core hole)</i>	3	No.			0
<b>SURVEY MISCELLANEOUS</b>						
27	Determine roadway elevations (Crown and EP)	3	Mile			0
28	Environmental areas	3	No.			0
29						0
<b>SURVEY TOTAL</b>						<b>0</b>
<b>PRELIMINARY ENGINEERING</b>						
No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HOURS	
30	Proposal and Project Plan Preparation	LS		2	0	
31	Kick-Off Meeting	Each		8	0	
32	Field Inventory	LS		32	0	
33	Field Survey	Each			0	
34	Preliminary Route Evaluation	Each		16	0	
35	Preliminary Route Design and Layout	Each		20	0	
36	Preliminary Design Review with Client	LS		8	0	
37	Project Management / Billing	LS		6	0	
<b>PRELIMINARY ENGINEERING</b>						<b>0</b>

<b>PRODUCTION-HOUR WORKSHEET</b> (revised 7/14)						
COUNTY <u>Fayette</u> ROUTE <u>Town Branch Commons CA</u> DESC <u>On-call CA/Inspection services</u> ITEM NO. _____	PROJECT TYPE <u>Multi-modal</u> CONSULTANT <u>Gresham Smith</u> REVIEWED BY <u>John Eckler, PE</u> PREPARED BY <u>Jim Brannon, PE</u> DATE <u>October 02, 2019</u>					
<b>UTILITY COORDINATION</b>						
No.	ITEM	PERSONS	UNIT	AMOUNT	HRS/UNIT	HOURS
38	Proposal Plan Development and Estimates	1	LS		16	0
39	Completed Agreement Review		Each		1	0
40	Development of Master Agreement Template		Mile			0
41	Develop Utility Relocation Plans (1"=20') (Sewer)		Mile			0
<b>UTILITY COORDINATION MISCELLANEOUS</b>						
<b>UTILITY COORDINATION TOTAL</b>						<b>0</b>
<b>FINAL DESIGN AND DRAWINGS</b>						
No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HOURS	
45	Create Plan Sheets	Sheet		8	0	
46	Create Framing Detail Sheets	Sheet		14	0	
47	Create Underground Detail Sheets	Sheet			0	
48	Create Guying Detail Sheets	Sheet			0	
49	Create Pole Drilling Guide Sheets	Sheet			0	
50	Create Plan & Profile Sheets (Transmission)	Sheet			0	
51	Prepare Easement Drawings (if required)	LS			0	
52	In House Engineering Review	LS		16	0	
53	In House Quality Control Review	LS		16	0	
54	75% Review with Client	Each		8	0	
55	Revisions	LS		24	0	
56	90% Review with Client	LS		8	0	
57	Quantity Take-Offs	LS			0	
58	Construction Estimate	LS			0	
59	Easement Corrections (if necessary)	Each			0	
60	Project Management / Billing	LS			4	
<b>FINAL DESIGN AND DRAWINGS</b>						<b>0</b>
<b>SPECIFICATION DEVELOPMENT</b>						
No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HOURS	
61	Labor Only Specification Development	LS			0	
62	Material Only Specification Development	LS			0	
63	Labor and Material Specification Development	LS		16	0	
64	Specification ReView (In House)	Each		4	0	
65	Specification Review (Client)	Each			0	
66	Project Management/Billing	LS			0	
<b>SPECIFICATION DEVELOPMENT</b>						<b>0</b>
<b>CONSTRUCTION ENGINEERING</b>						
No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HOURS	
67	Pole Submittal Review	LS			0	
68	Material Submittal Review	LS			0	
69	Construction Engineering	LS	1	725	725	
70	Project Management/Billing	Each	1		0	
<b>SPECIFICATION DEVELOPMENT</b>						<b>725</b>

<b>PRODUCTION-HOUR WORKSHEET</b> (revised 7/14)						
COUNTY <u>Fayette</u>			PROJECT TYPE <u>Multi-modal</u>			
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DESC <u>On-call CA/Inspection services</u>			REVIEWED BY <u>John Eckler, PE</u>			
ITEM NO. _____			PREPARED BY <u>Jim Brannon, PE</u>			
			DATE <u>October 02, 2019</u>			
<b>MEETINGS</b>						
No.	ITEM	PERSONS	UNIT	AMOUNT	HRS/UNIT	HOURS
71	Project Kickoff Meeting	1	No.		8	0
72	Coordination Meeting	1	No.		2	0
73	Final inspection (see line 151)	2	No.			0
74	Misc. project coordination meetings	3	No.			0
<b>MEETINGS MISCELLANEOUS</b>						
155	Value Engineering Study		LS			0
156	Constructability Review		LS			0
157	Project Management - 2 hr/month	1	Month			0
158	Conceptual Alternatives Meeting	3	LS			0
159	RW Review Meeting	2	No.			0
<b>MEETINGS TOTAL</b>						<b>0</b>
<b>PUBLIC INVOLVEMENT</b>						
No.	ITEM	PERSONS	UNIT	AMOUNT	HRS/UNIT	HOURS
160	Develop and Maintain Mailing List		LS			0
161	Prepare for Advisory Committee/Officials Meeting		No.			0
162	Attend Advisory Committee/Officials Meeting		No.			0
163	Prepare for Public Meetings/Hearings (post PL&G)		No.			0
164	Attend Public Meetings/Hearings (post PL&G)	3	No.			0
165	Prepare and Distribute Newsletter		No.			0
166	Property owner coordination		No.			0
<b>PUBLIC INVOLVEMENT MISCELLANEOUS</b>						
167	Stakeholders Meeting (after Conceptual Alternatives Meeting)	3	No.			0
168	Right-of-Way Informational Meeting	3	No.			0
169						0
<b>PUBLIC INVOLVEMENT TOTAL</b>						<b>0</b>
<b>QA/QC</b>						
No.	ITEM	PERSONS	UNIT	AMOUNT	HRS/UNIT	HOURS
180	Plan review		LS			0
181	Structure review		LS			0
<b>QA/QC TOTAL</b>						<b>0</b>
<b>PRODUCTION-HOUR SUMMARY</b>						
<b>SURVEY TOTAL</b>						<b>0</b>
<b>LINE AND GRADE TOTAL</b>						<b>0</b>
<b>UTILITY COORDINATION TOTAL</b>						<b>0</b>
<b>RIGHT OF WAY PLANS TOTAL</b>						<b>0</b>
<b>FINAL PLANS TOTAL</b>						<b>0</b>
<b>CONSTRUCTION ENGINEERING TOTAL</b>						<b>725</b>
<b>MEETINGS TOTAL</b>						<b>0</b>
<b>PUBLIC INVOLVEMENT TOTAL</b>						<b>0</b>
<b>QA/QC TOTAL</b>						<b>0</b>
<b>GRAND TOTAL</b>						<b>725</b>

**CLASSIFICATIONS AND PERCENTAGES**

COUNTY Fayette  
CONSULTANT Gresham Smith  
PROJECT TBC CA  
ITEM NO. \_\_\_\_\_  
DATE 10/2/2019

		SURVEY		PRELIMINARY ENGINEERING		UTILITY COORDINATION		FINAL DESIGN AND DRAWINGS		SPECIFICATION DEVELOPMENT		CONSTRUCTION ENGINEERING		MEETINGS		QA/QC	
POSITION	CERTIFIED RATE	ITEM I		ITEM II		ITEM III		ITEM IV		ITEM V		ITEM VI		ITEM VII		ITEM VIII	
Principal	94.23	\$0.00	0.00%	\$2.83	3.00%	\$0.00	0.00%	\$0.00	0.00%	\$56.54	60.00%	\$0.00	0.00%	\$14.13	15.00%	\$0.00	0.00%
Project Manager	74.43	\$0.00	0.00%	\$7.44	10.00%	\$0.00	0.00%	\$9.68	13.00%	\$14.89	20.00%	\$7.44	10.00%	\$14.89	20.00%	\$0.00	0.00%
Senior Project Engineer	74.52	\$0.00	0.00%	\$0.00	0.00%	\$59.62	80.00%	\$2.24	3.00%	\$0.00	0.00%	\$29.81	40.00%	\$48.44	65.00%	\$0.00	0.00%
Project Engineer	47.42	\$0.00	0.00%	\$18.97	40.00%	\$0.00	0.00%	\$10.43	22.00%	\$9.48	20.00%	\$14.23	30.00%	\$0.00	0.00%	\$0.00	0.00%
Senior Technician	40.87	\$0.00	0.00%	\$18.39	45.00%	\$8.17	20.00%	\$24.93	61.00%	\$0.00	0.00%	\$6.13	15.00%	\$0.00	0.00%	\$0.00	0.00%
Survey Crew	0	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%
Administrative	32.14	\$0.00	0.00%	\$0.64	2.00%	\$0.00	0.00%	\$0.32	1.00%	\$0.00	0.00%	\$1.61	5.00%	\$0.00	0.00%	\$0.00	0.00%
<b>TOTAL</b>		\$0.00	0.00%	\$48.27	100.00%	\$67.79	100.00%	\$47.60	100.00%	\$80.91	100.00%	\$59.22	100.00%	\$77.46	100.00%	\$0.00	0.00%

OVERHEAD 159.47%  
COST OF MONEY 0.82%

**Town Branch Commons CA/Inspection**

	8.5x11 Prints (each)	11x17 Prints (each)	22x36 Mylar (each)
	\$0.10	\$0.50	\$18.00
Preliminary Plans Set (2 sets at 12 sheets each)		24	
Final Plans (3 sets at 20 sheets each)		60	
Specifications (3 sets at 12 sheets each)	36		
	\$3.60	\$42.00	\$0.00

<b>Total Printing Cost =</b>			<b>\$45.60</b>
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	Car Miles	Truck Miles
Rate: (per mile)	\$0.41	\$0.54
Meetings in Lexington for Louisville based staff	730	
	2960	
	\$1,512.90	\$0.00

<b>Total Milage Cost =</b>		<b>\$1,512.90</b>
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	Breakfast	Lunch	Dinner
Rate: (each)	\$8.00	\$10.00	\$18.00
20 trips	0	20	
	\$0.00	\$200.00	\$0.00

<b>Total Meal Cost =</b>			<b>\$200</b>
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	Average Price/Package	Number Packages
Lodging	\$120.00	4
	\$480.00	

<b>Total Hotel Cost =</b>		<b>\$480</b>
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	Average Price/Package	Number Packages
Postage & Freight	\$12.00	
	\$12.00	

<b>Total Postage &amp; Freight Cost =</b>		<b>\$0</b>
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County: Fayette  
Consultant: Gresham Smith  
Project: TBC CA  
Item No:  
Date: 10/2/2019

**Payout Schedule & Percentages**

On call 100%

## PRODUCTION-HOUR WORKSHEET (revised 7/14)

COUNTY	<u>Fayette</u>	PROJECT TYPE	<u>Construction Insp. and Adm.</u>
ROUTE	<u>Midland, Vine, Main and Newtown</u>	CONSULTANT	<u>Gresham Smith</u>
DESC	<u>TBC Zones 1,2,3,4,6 and 7</u>	REVIEWED BY	_____
ITEM NO.	_____	PREPARED BY	_____
		DATE	<u>10/02/19</u>

### Construction Administration

No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HOURS
182	Construction Procurement Assistance	LS	0	16	0
183	Project Administration and Coordination	Weeks	0	1	0
184	Pre-Construction Meeting	LS	1	15	15
185	Project Delivery Coordination Meetings (Bi-weekly)	Each	0	3	0
186	Review of Shop Drawings and Approved Products List	Each	36	2	72
187	Construction Observation	Each	80	3	240
188	Responses to Requests for Information	Each	70	3	210
189	Preparation, Review and Collection of Inspection Reports	Each	0		0
190	Recommendations and Review of Monthly Pay Estimates	Each	0		0
191	Collect and Review Certified Payrolls	Weeks	0		0
192	Employee Interviews	Each	0		0
193	Utility Relocation and Coordination	Weeks	120	0.5	60
194	Review and Preparation of Change Orders	Each	0	0	0
195	Design Support During Construction	Each	30	4	120
196	Project Closeout	LS	1	8	8
197	Public Relations Coordination	Weeks			0
<b>CONSTRUCTION ADMINISTRATION TOTAL</b>					<b>725</b>