

# LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT CONTRACT CHANGE ORDER

To (Contractor): Gresham, Smith, and Partners

Date:	October 28, 2019
Project:	Town Branch Commons Corridor
Location:	Mildland, Vine, Newtown
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	<i>Bob [Signature]</i>	(Proj. Engr.) Date	10.28.19
Accepted by	<i>[Signature]</i>	(Contractor) Date	10.28.19
Approved by	<i>[Signature]</i>	(Director) Date	
Approved by	<i>[Signature]</i>	(Commissioner) Date	10.28.19
Approved by	<i>David [Signature]</i>	(Mayor or CAO) Date	12/3/2019

original R-750-2016  
R-657-2019  
C-313-2016





**KENTUCKY TRANSPORTATION CABINET**  
**Department of Highways**  
**DIVISION OF PROFESSIONAL SERVICES**  
**ENGINEERING AND RELATED SERVICES FEE PROPOSAL**

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

**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>
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	Principal	9/30/2019
CONSULTANT SIGNATURE	TITLE	DATE

_____	_____	_____
PROFESSIONAL SERVICES SIGNATURE	TITLE	DATE

## PRODUCTION-HOUR WORKSHEET (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>
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### SURVEY

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>

### PRELIMINARY ENGINEERING

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>

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

COUNTY	Fayette	PROJECT TYPE	Multi-modal
ROUTE	Town Branch Commons CA	CONSULTANT	Gresham Smith
DESC	On-call CA/Inspection services	REVIEWED BY	John Eckler, PE
ITEM NO.		PREPARED BY	Jim Brannon, PE
		DATE	October 02, 2019

**UTILITY COORDINATION**

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>

**FINAL DESIGN AND DRAWINGS**

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	0	
<b>FINAL DESIGN AND DRAWINGS</b>						<b>0</b>

**SPECIFICATION DEVELOPMENT**

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>

**CONSTRUCTION ENGINEERING**

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>

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

COUNTY	Fayette	PROJECT TYPE	Multi-modal
ROUTE	Town Branch Commons CA	CONSULTANT	Gresham Smith
DESC	On-call CA/Inspection services	REVIEWED BY	John Eckler, PE
ITEM NO.		PREPARED BY	Jim Brannon, PE
		DATE	October 02, 2019

**MEETINGS**

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>

**PUBLIC INVOLVEMENT**

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>

**QA/QC**

No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HOURS
180	Plan review	LS			0
181	Structure review	LS			0
<b>QA/QC TOTAL</b>					<b>0</b>

**PRODUCTION-HOUR SUMMARY**

<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

POSITION	CERTIFIED RATE	SURVEY		PRELIMINARY ENGINEERING		UTILITY COORDINATION		FINAL DESIGN AND DRAWINGS		SPECIFICATION DEVELOPMENT		CONSTRUCTION ENGINEERING		MEETINGS		QA/QC	
		ITEM I	ITEM II	ITEM III	ITEM IV	ITEM V	ITEM VI	ITEM VII	ITEM VIII	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)
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 Mileage 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	
	<b>Total Hotel Cost =</b>		<b>\$480</b>

	Average Price/Package	Number Packages	
Postage & Freight	\$12.00		
	<b>Total Postage &amp; Freight Cost =</b>		<b>\$0</b>



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>