



ENGINEERING AND RELATED SERVICES FEE PROPOSAL

SECTION 1: PROJECT INFORMATION

DATE:	Oct 2, 2019	COUNTY:	Fayette	ITEM #:	
PROJECT:	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.				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
TOTAL PRODUCTION HOURS	725			
TOTAL DIRECT PAYROLL				\$ 42,934.50
OVERHEAD (159.47 %)				\$ 68,467.65
PROFIT (15.00 %)				\$ 16,710.32
COST OF MONEY (0.82 %)				\$ 352.06

DIRECT COSTS	AMOUNT
PRINTING	\$ 45.60
TRAVEL	\$2,239
MEALS	\$200
TOTAL DIRECT COSTS	\$ 2,484.10

SUBCONSULTANTS	AMOUNT
Strand	\$ 69,000.00
TOTAL SUBCONSULTANTS	\$ 69,000.00

TOTAL FEE \$ 199,949

*Rounded to the nearest dollar

SECTION 3: SIGNATURE

FIRM NAME:	SIGNED BY:	
	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
RECONNAISSANCE						
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
CONTROL						
4	Horizontal	3	Mile			0
5	Vertical	3	Mile			0
6	Process data	1	Mile			0
PLANIMETRIC SURVEY						
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
TERRAIN SURVEY						
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
ESTABLISH PROPERTY LINES & OWNERSHIP						
22	Contact & Interview Property Owners	1	Parcel			0
23	Field tie property lines/corners	3	Parcel			0
STAKING						
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
SURVEY MISCELLANEOUS						
27	Determine roadway elevations (Crown and EP)	3	Mile			0
28	Environmental areas	3	No.			0
29						0
SURVEY TOTAL						0

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	
PRELIMINARY ENGINEERING						0

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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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

UTILITY COORDINATION MISCELLANEOUS

UTILITY COORDINATION TOTAL 0

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

FINAL DESIGN AND DRAWINGS 0

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	Prjoect Management/Billing	LS			0

SPECIFICATION DEVELOPMENT 0

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

SPECIFICATION DEVELOPMENT 725

PRODUCTION-HOUR WORKSHEET (revised 7/14)

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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

MEETINGS MISCELLANEOUS

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

MEETINGS TOTAL

0

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

PUBLIC INVOLVEMENT MISCELLANEOUS

167	Stakeholders Meeting (after Conceptual Alternatives Meeting)	3	No.			0
168	Right-of-Way Informational Meeting	3	No.			0
169						0

PUBLIC INVOLVEMENT TOTAL

0

QA/QC

No.	ITEM	PERSONS	UNIT	AMOUNT	HRS/UNIT	HOURS
180	Plan review		LS			0
181	Structure review		LS			0

QA/QC TOTAL

0

PRODUCTION-HOUR SUMMARY

SURVEY TOTAL	0
LINE AND GRADE TOTAL	0
UTILITY COORDINATION TOTAL	0
RIGHT OF WAY PLANS TOTAL	0
FINAL PLANS TOTAL	0
CONSTRUCTION ENGINEERING TOTAL	725
MEETINGS TOTAL	0
PUBLIC INVOLVEMENT TOTAL	0
QA/QC TOTAL	0
GRAND TOTAL	725

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%
TOTAL		\$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

Total Printing Cost =	\$45.60
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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

Total Mileage Cost=	\$1,512.90
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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

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

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

Total Postage & Freight Cost =	\$0
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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> ROUTE <u>Midland, Vine, Main and Newtown</u> DESC <u>TBC Zones 1,2,3,4,6 and 7</u> ITEM NO. _____	PROJECT TYPE <u>Construction Insp. and Adm.</u> CONSULTANT <u>Gresham Smith</u> REVIEWED BY _____ PREPARED BY _____ DATE <u>10/02/19</u>
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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
CONSTRUCTION ADMINISTRATION TOTAL					725