

**SUPPLEMENTAL WORK AUTHORIZATION NO. 3  
TO  
WORK AUTHORIZATION NO. 2**

**WILLIAMSON COUNTY ROAD BOND PROJECT:  
Inner Loop @ Wilco Central Maintenance**

This Supplemental Work Authorization No. 3 to Work Authorization No. 2 is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated August 26, 2014 ("Contract") and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Bridgefarmer & Associates, Inc. (the "Engineer").

WHEREAS, the County and the Engineer executed Work Authorization No. 2 dated effective April 28, 2015 (the "Work Authorization");

WHEREAS, pursuant to Article 14 of the Contract, amendments, changes and modifications to a fully executed Work Authorization shall be made in the form of a Supplemental Work Authorization; and

WHEREAS, it has become necessary to amend, change and modify the Work Authorization.

**AGREEMENT**

NOW, THEREFORE, premises considered, the County and the Engineer agree that the Work Authorization shall be amended, changed and modified as follows:

- I. The Services to be Provided by the County that were set out in the original Attachment "A" of the Work Authorization are hereby amended, changed and modified as shown in the attached revised Attachment "A" (must be attached).
- II. The Services to be Provided by the Engineer that were set out in the original Attachment "B" of the Work Authorization are hereby amended, changed and modified as shown in the attached revised Attachment "B" (must be attached).
- III. The Work Authorization shall terminate on January 31, 2017. The Services to be Provided by the Engineer shall be fully completed on or before said date unless extended by an additional Supplemental Work Authorization. The revised Work Schedule is attached hereto as Attachment "C" (must be attached).
- IV. The maximum amount payable for services under the Work Authorization is hereby increased from \$129,555.07 to \$158,655.57. The revised Fee Schedule is attached hereto as Attachment "D" (must be attached).

Except as otherwise amended by prior or future Supplemental Work Authorizations, all other terms of the Work Authorization are unchanged and will remain in full force and effect.

This Supplemental Work Authorization does not waive the parties' responsibilities and obligations provided under the Contract.

**IN WITNESS WHEREOF**, the County and the Engineer have executed this Supplemental Work Authorization, in duplicate, to be effective as of the date of the last party's execution below.

**ENGINEER:**

By:   
Signature

Mansoor Ahsan, P. E.  
Printed Name

Chief Executive Officer  
Title

08/09/2016  
Date

**COUNTY:**

By: \_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

*OK  
my 8/12/2016*

**LIST OF ATTACHMENTS**

Attachment A - Services to be Provided by County

Attachment B - Services to be Provided by Engineer

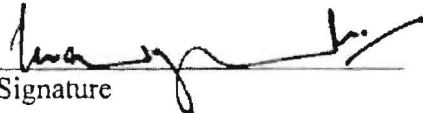
Attachment C - Work Schedule

Attachment D - Fee Schedule

This Supplemental Work Authorization does not waive the parties' responsibilities and obligations provided under the Contract.

**IN WITNESS WHEREOF**, the County and the Engineer have executed this Supplemental Work Authorization, in duplicate, to be effective as of the date of the last party's execution below.

**ENGINEER:**

By:   
Signature

Mansoor Ahsan, P. E.  
Printed Name

Chief Executive Officer  
Title

08/09/2016  
Date

**COUNTY:**

By:   
Signature

DA-A GATTI  
Printed Name

County Jtl-  
Title

08-17-2016  
Date

OK  
my 8/11/2016

**LIST OF ATTACHMENTS**

Attachment A - Services to be Provided by County

Attachment B - Services to be Provided by Engineer

Attachment C - Work Schedule

Attachment D - Fee Schedule

## **Attachment A – Services to be Provided by the County**

### **Inner Loop @ Wilco Central Maintenance**

1. Obtain Rights of Entry from landowners that are unwilling to grant access to the Engineer.
2. Provide traffic growth rates and analysis package for development of open year, 20 year, and 30 year projected traffic data.
3. Make available appropriate data on file, plans and specifications that are deemed pertinent to the completion of the work required by the scope of services.
4. Make available existing Right-of-Way (ROW) maps of county owned buildings and roadway facilities in the project corridor.
5. Assistance to the Engineer, as necessary, with obtaining data and information from other local, regional, State and Federal agencies required for this project.
6. Provide timely reviews and decisions necessary for the Engineer to maintain the project work schedule.
7. Provide examples of acceptable format for the required deliverables.
8. Provide checklist for elements of a detailed highway schematic.
9. Provide City of Georgetown comments on draft deliverables.
10. Prepare applications for and obtain all necessary permits from the City of Georgetown for the expansion of the East Parking Lot.
11. Remove irrigation system equipment from the area impacted by the expansion of the East Parking Lot.

## **Attachment B – Services to be Provided by the Engineer**

### **Inner Loop @ Wilco Central Maintenance**

This Attachment “B” further defines the services to be performed by Bridgefarmer & Associates, Inc. in conjunction with the preparation of Work Authorization 2 (plan preparation) for Inner Loop @ Wilco Central Maintenance two-lane roadway. Services include the following:

- Project Management
- Roadway
- Hydraulic Analysis
- Traffic Control Plan

#### **TASK 1: SURVEYING**

1. Survey Project Limits: Williamson County Facilities East Parking Lot (Exhibit A).
2. The Survey Consultant shall re-establish horizontal and vertical control for the survey work performed for the County located adjacent to this project. The project control will be placed on horizontal and vertical datum [NAD83/93/NAVD88 values (Texas State Plane, Central Zone)] with a scale factor of 1.00011 or as provided by the county. Elevations will be derived from GPS observations using Geoid 2012A model. Digital levels will be run through all control points to confirm the established elevations.
3. The Survey Consultant will obtain design survey data within the project limits at approximate 50’ intervals and major grade breaks necessary to produce a one-foot interval contour DTM. This data will include: edge of pavement/gutter & back of curb, crown (physical centerline), parking striping, ditches, sidewalks, signs (with text), paved areas, buildings, driveways (with type noted), driveway pipes, visible utilities and visible evidence of underground utilities only.
4. The Survey Consultant will prepare Microstation V8 topographic file, points file, and DTM of survey data and provide an electronic copy of all the data to the Engineer.

#### **TASK 2: GEOTECHNICAL INVESTIGATION – NO LONGER REQUIRED**

#### **TASK 3: ROADWAY DESIGN**

1. The Consultant shall provide the design of expanding the East Parking lot to include both westward facing parking spaces, eastward facing parking spaces, handicap parking and a two-way drive aisle. The design will be consistent with Section 9.03, Parking Space and Parking Lot Design of the City of Georgetown’s Unified Development Code.

2. The Consultant will provide designs for salvaging, reusing and and relocating the two existing luminaires to locations satisfactory to the County.
3. The Consultant will adjust grading, vertical alignment and horizontal alignments of connecting driveways and update quantities of bid items and removals necessitated by the East Parking Lot expansion.
4. The Consultant will insert any necessary standards into the plan set and update the estimate, general notes, associated bid forms and construction manual.
5. The Consultant shall amend the Traffic Control Plan phases to include additional design and plans sheets from the southern limits of the project to south of Rockride Lane and the construction of the expanded East Parking Lot.

#### **TASK 4: ENVIRONMENTAL REVIEWS - COMPLETE**

#### **TASK 5: DRAINAGE DESIGN**

1. The Consultant will design parking grading to provide adequate drainage.
2. The Consultant will update Minor Drainage Areas impacted by the East Parking Lot expansion and check ditches that may be impacted by the design.
3. The Consultant shall amend the Storm Water Pollution Prevention Plan (SW3P) as necessary to accommodate the construction of the East Parking Lot expansion.

#### **TASK 6: SIGNING AND PAVEMENT MARKINGS**

1. The Consultant shall prepare drawings, specifications and details for all signs and pavement markings necessitated by the East Parking Lot expansion and amend existing summaries and estimates.

#### **TASK 7: SPECIFICATIONS AND BID DOCUMENTS**

1. The Consultant shall independently develop and report quantities in standard County bid format compatible to the County system at the final PS&E submittals.
2. The Consultant shall prepare technical specifications required for bidding and constructing the project. Only specifications amending or supplementing TxDOT specification need be furnished. The Consultant shall identify necessary standard specifications, special specifications, special provisions and the appropriate reference items.
3. Bid Documents for Roadway. The Consultant will prepare project construction manual (bid documents). The County will advertise for the bidders. The

Consultant will assist the County by addressing technical questions and preparing draft addenda for issuance by the County.

- a. All plan set deliverables are in 11"x17" format except where noted. At each submittal, the consultant will upload all DGN and other native files along with a copy of their internal QA markups.
  1. Interim Submittal: Submit four (4) paper sets, one (1) electronic set, and one (1) set of DGN's for review and comment and provide supporting paperwork as needed. The Interim submittal will include all newly generated designs and modified sheets necessitated by the East Parking Lot expansion including plans, specifications, general notes, special specifications, special provisions, construction cost estimate, project construction manual, and other supporting documentation as required by the County.
  2. Final Submittal: Submit one (1) full complete set of originals and three (3) paper copy sets of plans, specifications and estimates to the County. The Consultant will provide the County with an electronic deliverable zip file uploaded to PW of substantially complete design documents (excluding standard drawings) for this project. The electronic data shall be in MicroStation format.

## **TASK 8: PROJECT MANAGEMENT**

1. Collect Data. The Consultant shall collect, review and evaluate data including "as-built plans", right of way maps, SUE mapping, existing cross sections, existing planimetric mapping, environmental documents, documents for existing and proposed developments in the project vicinity, utility plans and documents.
2. Field Reconnaissance. The Consultant shall conduct field reconnaissance and collect data including a photographic record of notable existing features.
3. Design Criteria. The Consultant shall develop project specific design criteria (typical sections, drainage criteria, geometric criteria, etc.)
4. Meeting Attendance. The Consultant shall attend coordination meetings with the County and submittal review meetings.
5. Prepare Monthly Progress Reports. Reports will include progress documentations.
6. Administration. Invoicing, meeting minutes, documentation of correspondence, coordination with sub-consultants, maintain project schedule.

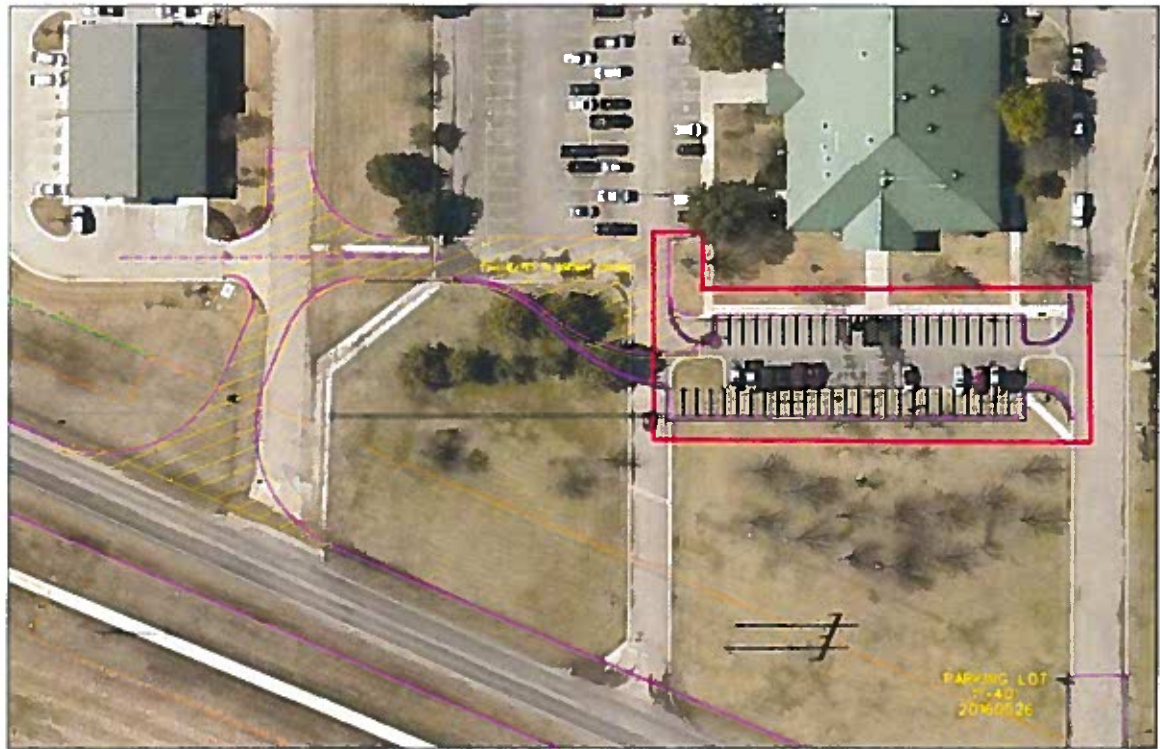
7. Project Schedule – Prepare, and update as needed, a design schedule for the East Parking Lot expansion with milestones in Microsoft Project. Submit in native format within 30 days of NTP and at each submittal.

#### **TASK 10: MISCELLANEOUS**

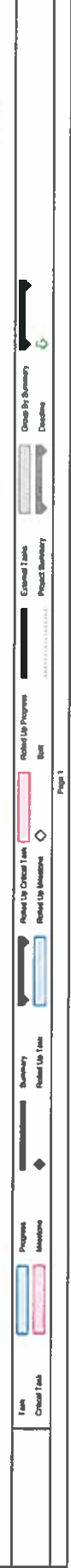
1. Miscellaneous services not provided for herein and not generally associated with a project of this type will be paid for under an amendment to this Agreement for an additional fee.



## Exhibit A



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	52
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# Attachment C - Work Schedule

ID	Task Name	Duration	% Complete	Start Date	End Date	Task Name
42	County/City Review	20 days	100%	Mon 8/15/15	Fri 7/10/15	
43	Address comments	2 days	100%	Mon 7/13/15	Tue 7/14/15	
44	90% Plan Preparation	105 days	100%	Wed 7/15/15	Tue 12/8/15	
45	Roadway Design	60 days	100%	Wed 7/15/15	Fri 10/16/15	
46	Drainage Design	60 days	100%	Wed 7/15/15	Fri 10/16/15	
47	Signing and Pavement Markings	3 days	100%	Wed 7/22/15	Mon 10/19/15	
48	Traffic Control Plan	60 days	100%	Wed 7/15/15	Fri 10/16/15	
49	SWPPP	4 days	100%	Mon 7/20/15	Wed 10/21/15	
50	Cross-sections	6 days	100%	Mon 10/19/15	Mon 10/26/15	
51	Specifications and Bid Document	7 days	100%	Wed 7/15/15	Wed 10/21/15	
52	Internal QA/QC Review	3 days	100%	Tue 10/27/15	Thu 10/29/15	
53	Address Comments	1 day	100%	Fri 10/30/15	Fri 10/30/15	
54	Submit 90% Plans	2 days	100%	Mon 11/2/15	Tue 11/3/15	
55	County/City Review	24 days	100%	Wed 11/4/15	Mon 12/7/15	
56	Address comments	1 day	100%	Tue 12/8/15	Tue 12/8/15	
57	Final Plan Preparation	56 days	100%	Wed 12/8/15	Wed 2/24/16	
58	Roadway Design	8 days	100%	Wed 12/9/15	Fri 12/18/15	
59	Drainage Design	8 days	100%	Wed 12/9/15	Fri 12/18/15	
60	Signing and Pavement Markings	7 days	100%	Mon 12/21/15	Tue 12/29/15	
61	Traffic Control Plan	7 days	100%	Wed 12/9/15	Thu 12/17/15	
62	SWPPP	7 days	100%	Fri 12/18/15	Mon 12/28/15	
63	Cross-sections	8 days	100%	Mon 12/21/15	Wed 12/30/15	
64	Specifications and Bid Document	5 days	100%	Thu 12/31/15	Wed 1/6/16	
65	Internal QA/QC Review	10 days	100%	Thu 12/31/15	Wed 1/13/16	
66	Address Comments	2 days	100%	Thu 1/14/16	Fri 1/15/16	
67	Submit Final Plans	0 days	100%	Fri 1/15/16	Fri 1/15/16	
68	County/City Review	20 days	100%	Mon 1/18/16	Fri 2/12/16	
69	Address comments	7 days	100%	Mon 2/15/16	Tue 2/23/16	
70	Submit Final Plans	1 day	100%	Wed 2/24/16	Wed 2/24/16	
71	East Parking Lot Expansion	41 days	0%	Fri 8/5/16	Fri 9/30/16	
72	NTP - WAQ2 S&B3	0 days	0%	Fri 8/5/16	Fri 8/5/16	
73	Survey	8 days	0%	Fri 8/5/16	Fri 8/12/16	
74	Conduct Survey	1 day	0%	Fri 8/5/16	Fri 8/5/16	
75	Provide DGN Files	5 days	0%	Mon 8/8/16	Fri 8/12/16	
76	Design Parking Lot Expansion	6 days	0%	Mon 8/15/16	Mon 8/22/16	
77	Modify/Adjust Existing Designs	1 day	0%	Tue 8/23/16	Tue 8/23/16	
78	Check Drainage/itches	1 day	0%	Wed 8/24/16	Wed 8/24/16	
79	Update E&Q	1 day	0%	Thu 8/25/16	Thu 8/25/16	
80	Update General Notes	1 day	0%	Fri 8/26/16	Fri 8/26/16	
81	Internal QA/QC Review	1 day	0%	Mon 8/29/16	Mon 8/29/16	
82	Address Comments	1 day	0%	Tue 8/30/16	Tue 8/30/16	

Task

Complete Task

Project Milestone

Summary

Project Use Log

Related Use Control Time

Related Use Milestone

Related Use Progress

Start

Control Time

Project Boundary

Control By Boundary

Deadline

Attachment C - Work Schedule

Task Name		Duration	% Complete	Early Start	Early Finish
83	Submit Inform Design	0 days	0%	Tue 8/30/16	Tue 8/30/16
84	County/City Review	20 days	0%	Wed 8/31/16	Tue 9/27/16
85	Address Comments	2 days	0%	Wed 9/28/16	Thu 9/29/16
86	Submit Final Plans	1 day	0%	Fri 9/30/16	Fri 9/30/16

Task Critical Path

Progress Milestone

Summary Related Up Task

Related Up Critical Task

Related Up Milestone

Related Up Progress

Extended Task Project Summary

Group By Summary

Outlines

Page 3

## Attachment D - Fee Schedule

TASK	FIRM NAME	FEE
TASK 1: SURVEYING	SAM	\$2,110.00
TASK 2: GEOTECHNICAL INVESTIGATIONS	CORSAIR	\$0.00
TASK 3: ROADWAY DESIGN	BRIDGEFARMER	\$20,085.00
TASK 4: ENVIRONMENTAL REVIEWS	COX-MCLAIN	\$0.00
TASK 5: DRAINAGE DESIGN	BRIDGEFARMER	\$3,160.00
TASK 6: SIGNING AND PAVEMENT MARKINGS	BRIDGEFARMER	\$1,120.00
TASK 7 & 8: PROJECT MANAGEMENT	BRIDGEFARMER	\$2,150.00
<b>SUBTOTAL</b>		<b>\$28,625.00</b>
EXPENSES		
	BRIDGEFARMER	\$271.50
	SAM	\$204.00
	CORSAIR	\$0.00
	COX-MCLAIN	\$0.00
<b>SUBTOTAL</b>		<b>\$475.50</b>
<b>GRAND TOTAL</b>		<b>\$29,100.50</b>

**Attachment D - Fee Schedule**

**Bridgefarmer & Associates - Williamson County Inner Loop at Central Maintenance**

TASK 1: SURVEYING		Project Manager	Senior Engineer	Design Engineer	EIT	Senior CADD Operator	Admin / Clerical	Total	PROPOSED FEE
See subconsultant fee estimate (SAM)									
Review Sub-consultant plans		1	1					2	\$230.00
HOURS SUB-TOTALS									
LABOR RATE PER HOUR		1	1	0	0	0	0	2	\$230.00
SUBTOTAL Route & Design Studies		\$120.00	\$110.00	\$105.00	\$95.00	\$90.00	\$50.00		
		\$120.00	\$110.00	\$0.00	\$0.00	\$0.00	\$0.00	\$230.00	\$230.00

TASK 2: GEOTECHNICAL INVESTIGATION		Project Manager	Senior Engineer	Design Engineer	EIT	Senior CADD Operator	Admin / Clerical	Total	PROPOSED FEE
See subconsultant fee estimate (CORSAIR)									
Review Sub-consultant plans								0	\$0.00
HOURS SUB-TOTALS									
LABOR RATE PER HOUR		0	0	0	0	0	0	0	\$0.00
SUBTOTAL Route & Design Studies		\$120.00	\$110.00	\$105.00	\$95.00	\$90.00	\$50.00		
		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

TASK 3 ROADWAY DESIGN		Project Manager	Senior Engineer	Design Engineer	EIT	Senior CADD Operator	Admin / Clerical	Total	PROPOSED FEE
Modifications									
Modify Driveway Vertical Alignment			1			1		2	\$200.00
Modify Driveway Horizontal Alignment			1			1		2	\$200.00
Modify TCP (Parking Lot)		1	3		3	1		8	\$825.00
Modify TCP (To Include Section C)		2	24		40	24		90	\$8,840.00
Driveway Grading		1	4		8	2		15	\$1,500.00
Update Removals		1	2		2	1		6	\$620.00
Parking Lot Expansion									
Parking Lot Design		1	4		8	4		17	\$1,680.00
Illumination			4		18	8		28	\$2,680.00
HOURS SUB-TOTALS		8	43	0	77	42	0	188	\$16,545.00
LABOR RATE PER HOUR		\$120.00	\$110.00	\$105.00	\$95.00	\$90.00	\$50.00		
SUBTOTAL Roadway Design		\$720.00	\$4,730.00	\$0.00	\$7,315.00	\$3,780.00	\$0.00	\$16,545.00	\$16,545.00

**Attachment D - Fee Schedule**

**Bridgefarmer & Associates - Williamson County Inner Loop at Central Maintenance**

<b>TASK 3A: Miscellaneous Roadway</b>	<b>Project Manager</b>	<b>Senior Engineer</b>	<b>Design Engineer</b>	<b>EIT</b>	<b>Senior CADD Operator</b>	<b>Admin / Clerical</b>	<b>Total</b>	<b>PROPOSED FEE</b>
General Notes & Specifications								
Update Quantities	2	4		8	2		16	\$1,620.00
Amend General Notes	3	4					7	\$800.00
							0	\$0.00
Preparation / Plotting for Submittals								
100% QC (internal) Submittal Review	2	8					10	\$1,120.00
							0	\$0.00
							0	\$0.00
							0	\$0.00
<b>HOURS SUB-TOTALS</b>	7	16	0	8	2	0	33	\$3,540.00
<b>LABOR RATE PER HOUR</b>	\$120.00	\$110.00	\$105.00	\$95.00	\$90.00	\$50.00		
<b>SUBTOTAL Miscellaneous Roadway</b>	\$840.00	\$1,760.00	\$0.00	\$760.00	\$180.00	\$0.00		\$3,540.00

<b>TASK 4: ENVIRONMENTAL REVIEWS</b>	<b>Project Manager</b>	<b>Senior Engineer</b>	<b>Design Engineer</b>	<b>EIT</b>	<b>Senior CADD Operator</b>	<b>Admin / Clerical</b>	<b>Total</b>	<b>PROPOSED FEE</b>
See subconsultant fee estimate (COX-MCLAIN)								
Review Sub-consultant plans							0	\$0.00
<b>HOURS SUB-TOTALS</b>	0	0	0	0	0	0	0	\$0.00
<b>LABOR RATE PER HOUR</b>	\$120.00	\$110.00	\$105.00	\$95.00	\$90.00	\$50.00		
<b>SUBTOTAL Route &amp; Design Studies</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00

<b>TASK 5: DRAINAGE DESIGN</b>	<b>Project Manager</b>	<b>Senior Engineer</b>	<b>Design Engineer</b>	<b>EIT</b>	<b>Senior CADD Operator</b>	<b>Admin / Clerical</b>	<b>Total</b>	<b>PROPOSED FEE</b>
Hydrologic and Hydraulic Drainage Design								
Update Minor Drainage Areas	1	4		8	2		15	\$1,500.00
Check Ditches		2		8	2		12	\$1,160.00
							0	\$0.00
SWPPP:								
Update SWPPP		2		2	1		5	\$500.00
<b>HOURS SUB-TOTALS</b>	1	8	0	18	5	0	32	\$3,160.00
<b>LABOR RATE PER HOUR</b>	\$120.00	\$110.00	\$105.00	\$95.00	\$90.00	\$50.00		
<b>SUBTOTAL Drainage Design</b>	\$120.00	\$880.00	\$0.00	\$1,710.00	\$450.00	\$0.00		\$3,160.00



**Attachment D - Fee Schedule**

Bridgefarmer & Associates - Williamson County Inner Loop at Central Maintenance

TASK 6: SIGNING AND PAVEMENT MARKINGS	Project Manager	Senior Engineer	Design Engineer	EIT	Senior CADD Operator	Admin / Clerical	Total	PROPOSED FEE
Parking Lot Striping and Signing	1	4		4	2		11	\$1,120.00
HOURS SUB-TOTALS	1	4	0	4	2	0	11	\$1,120.00
LABOR RATE PER HOUR	\$120.00	\$110.00	\$105.00	\$95.00	\$90.00	\$50.00		
SUBTOTAL Signing and Pavement Marking	\$120.00	\$440.00	\$0.00	\$380.00	\$180.00	\$0.00	\$1,120.00	\$1,120.00

TASKS 7 & 8: SPECIFICATION, BID DOCUMENTS, AND PROJECT MANAGEMENT	Project Manager	Senior Engineer	Design Engineer	EIT	Senior CADD Operator	Admin / Clerical	Total	PROPOSED FEE
Meetings:								
Monthly Status / Coordination / Meeting Minutes	2	2		2			6	\$650.00
Internal Coordination & Subconsultants	1						1	\$120.00
Teleconferencing / Documentation	1						1	\$120.00
Administration:								
Prepare Monthly Progress Reports	2					2	4	\$340.00
Project Schedule - Prepare / Update	2						2	\$240.00
Prepare Modified Bid Package	2	4					6	\$680.00
HOURS SUB-TOTALS	10	6	0	2	0	2	20	\$2,150.00
LABOR RATE PER HOUR	\$120.00	\$110.00	\$105.00	\$95.00	\$90.00	\$50.00		
SUBTOTAL Project Management	\$1,200.00	\$660.00	\$0.00	\$190.00	\$0.00	\$100.00	\$2,150.00	\$2,150.00

Summary	Project Manager	Senior Engineer	Design Engineer	EIT	Senior CADD Operator	Admin / Clerical	Total	PROPOSED FEE
BRIDGEFARMER TOTAL HOURS BY CLASSIFICATION:	26	78	0	109	51	2	266	\$26,745.00
LABOR RATE PER HOUR	\$120.00	\$110.00	\$105.00	\$95.00	\$90.00	\$50.00		
BRIDGEFARMER ALL FUNCTION CODES	\$3,120.00	\$8,580.00	\$0.00	\$10,365.00	\$4,590.00	\$100.00	\$26,745.00	\$26,745.00

Other Direct Expenses	UNIT	CHARGE	DIRECT EXPENSE TOTAL COST
Mileage			
CD-ROM	100	\$0.54	\$ 54.00
Courier Services			\$ -
Photocopies BW (8 1/2" X 11")	100	\$0.15	\$ 15.00
Photocopies BW (11" X 17")	1350	\$0.15	\$ 202.50
Photocopies Color (11" X 17")			\$ -
			\$0.00
			\$271.50

<b>TOTAL</b>			<b>\$27,016.50</b>
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**FEE SCHEDULE (SAM, LLC)**

TASK DESCRIPTION	RPLS PROJECT MANAGER	RPLS STAFF SURVEYOR	SENIOR TECHNICIAN	SURVEY TECHNICIAN	SURVEY TECHNICIAN OPS	2 MAN SURVEY CREW	3 MAN SURVEY CREW	FIELD COORDINATOR	ADMIN CLERICAL	TOTAL LABOR HRS & COSTS
Re-establish Control			1			2				\$100.00
Transferable			1			7				\$75.00
Data Reduction, DTM & Approval to station or zoning	1		2							\$300.00
GAGE & Gravity										\$0.00
										\$0.00
										\$0.00
HOURS SUB-TOTALS	2	0	9	0	0	9	0	0	0	20
CONTRACT RATE PER HOUR	\$125.00	\$110.00	\$80.00	\$105.00	\$160.00	\$130.00	\$160.00	\$85.00	\$60.00	
TOTAL LABOR COSTS	\$250.00	\$0.00	\$720.00	\$0.00	\$0.00	\$1,170.00	\$0.00	\$0.00	\$0.00	\$1,940.00
% DISTRIBUTION OF STAFFING	10.0%	0.0%	45.0%	0.0%	0.0%	45.0%	0.0%	0.0%	0.0%	

[illegible]