STATE OF TEXAS

COUNTY OF FORT BEND §

AMENDMENT TO AGREEMENT FOR PROFESSIONAL ENGINEERING SERVICES FOR REPAIR OF WILLOW FORK OF BUFFALO BAYOU AND CANE ISLAND BRANCH SOQ 17-086

THIS AMENDMENT, is made and entered into by and between the Fort Bend County Drainage District (hereinafter "District"), a body corporate and politic under the laws of the State of Texas, and M&E Consultants, LLC (hereinafter "Consultant"), a company authorized to conduct business in the State of Texas.

WHEREAS, the parties executed and accepted that certain Agreement for Professional Engineering Services for Repair of Willow Fork of Buffalo Bayou and Cane Island on November 28, 2017 pursuant to SOQ 17-086, (hereinafter "Agreement"); and

WHEREAS, the parties desire to amend the Agreement to reflect the change in Services to be provided, increase the Time of Performance to provide such additional Services, and increase the total Maximum Compensation under the Agreement.

NOW, THEREFORE, the parties do mutually agree as follows:

- 1. District shall pay Consultant an additional two million nine hundred sixty-seven thousand eight hundred eleven dollars and no/100 (\$2,967,811.00) to perform the proposed additional Services as described in Consultant's request for an amendment to the Agreement dated July 30, 2018, attached hereto as Exhibit "A" and incorporated herein for all purposes.
- 2. The Maximum Compensation payable to Consultant for all Services rendered is hereby increased to an amount not to exceed four million two hundred fifty-three thousand seven hundred twenty-five dollars and no/100 (\$4,253,725.00), authorized as follows:
 - \$1,285,914.00 under the Agreement; and
 - \$2,967,811.00 under this Amendment.
- 3. In no case shall the amount paid by District for all Services under the Agreement and this Amendment exceed the Maximum Compensation without an agreement executed by the parties.

- 4. The Time of Performance under the Agreement shall hereby be extended expire one thousand two (1002) calendars from the date of Consultant's receipt of the initial Notice to Proceed.
- 5. Certain State Law Requirements for Contracts
 - a. Agreement to Not Boycott Israel Chapter 2270 Texas Government Code: By signature below, Consultant verifies Consultant does not boycott Israel and will not boycott Israel during the term of this Agreement.
 - b. Texas Government Code Section 2251.152 Acknowledgment: By signature below, Consultant represents pursuant to Section 2252.152 of the Texas Government Code, that Consultant is not listed on the website of the Comptroller of the State of Texas concerning the listing of companies that are identified under Section 806.051, Section 807.051 or Section 2253.153.

Except as provided herein, all terms and conditions of the Agreement shall remain unchanged.

IN WITNESS WHEREOF, the parties hereto have signed or have caused their respective names to be signed to multiple counterparts to be effective on the date signed by the final party.

Robert E. Hebert, County Judge

APPROVED: Mark Vogler, Chief Engineer
APPROVED AS TO LEGAL FORM: White the state of the state
AUDITOR'S CERTIFICATE
I hereby certify that funds are available in the amount of \$\frac{4,25}{2,05}\$ to accomplish and pay the obligation of Fort Bend County under this contract.

Robert Ed Sturdivant, County Auditor

EXHIBIT A



July 30, 2018

Adam Wright
Project Coordinator
Fort Bend County Drainage District
P.O. Box 1028
Rosenberg, TX 77471
Fort Bend County Drainage District
301 Jackson, Suite 210
Richmond TX 77469

Dear Adam:

Please find the amendment to the existing contract and its attachments for Geotechnical Investigation, Engineering Surveys, Design, Construction Quality Assurance, & Engineering Construction Support as per request, for your consideration. This amendment adds to our existing contract, the work to repair damages to; Buffalo Bayou Willow Fork 5A Segments I, II, and III as described on USDA, DSR 2017 48157 FBDD-004 (I), (II), and (III).

Design for construction drawings and specifications are estimated based as the same procedure used on current contract. A&E construction fees are mostly determined by time of construction plus weather days. At this stage, we have estimated A&E construction times using two methods,1. Historic M&E NRCS construction based on percent of total cost and 2. estimating time from actual construction time of previous NRCS sheet piling projects. A 10 percent contingency is added to cover cost of hiring added construction inspectors as needed to cover overlapping projects.

The performance time for M&E's A&E services is estimated to increase the current performance time by 1.6 years. Please check with NRCS to determine if this time increase can be adapted to fit within the NRCS EWP program guidelines. Ninety (90) days was included in the amended time due to regulatory requirement delays on the current project.

We look forward to continuing to work with Fort Bend County and the NRCS in performing this additional work. If you have any question about our submittal, please call our main office in Temple (254-983-9103) or Jerry Ince in Richmond (832-344-6604).

Sincerely,

Dennis Medlin, PE Founding Partner

Amendment Request

Pursuant to Section 6. Modifications and Waivers, the Agreement for Professional Engineering Services For Repair of Willow Fork of Buffalo Bayou and Cane Island Branch SOQ 17-086 shall be amended as follows:

AS amended Consultant professional engineering services related to a project the involves repair of creek bank due to slope failure from storm event flooding at **Buffalo Bayou**, **Willow Fork 5A Segments I**, **II**, **and III** as identified in the USDA Natural Resource Service Damage Survey Report (DRS) numbers 2017 48157 FBDD-004 (I)-(III) Fort Bend County, Texas.

AGREEMENT as AMENDED

Section 1. Scope of Services

The Scope of Service shall be amended to include the amended Plan of Work attached and amended Exhibits attached herein.

Section 3. Compensation and Payment

3.1 The Maximum Compensation for the performance of Services described in the amended exhibit shall increase the fee to \$4,253,725.00. (from \$1,285,914.00 to \$4,253,725.00, an increase of \$2,967,811.00) The amend cost increase is based on 9.44 percent of the total of the DSR estimated cost.

Section 4. Limits of Appropriation

- 4.1 The District shall have available the total maximum sum of four million two hundred fifty three thousand seven hundred and twenty five and no/100 (\$4,253,725.00), specifically allocated to fully discharge any and all liabilities District may incur.
- 4.2 Consultant does further understand and agree, said understanding and agreement also being of the absolute essence of this agreement, that the total maximum compensation that Consultant may become entitled to and the total maximum sum that district may become liable to pay to Consultant shall not under any circumstances, or interpretations thereof exceed four million two hundred fifty three thousand seven hundred and twenty five and no/100 (\$4,253,725.00).

Section 5. <u>Time of Performance</u>

The time of performance of the Scope of Services by Consultant shall be changed to one thousand and two (1002) calendar days thereafter.

Summary Sheet

DSR	All Engineer Fees Not to Exceed	DSR Construction Cost	Engineer Fees %	
Willow Fork 5A I	\$698,263.08	\$6,812,064.00	10.25%	
Willow Fork 5A II	\$985,075.58	\$12,585,568.00	7.83%	
Willow Fork 5A III	\$1,014,671.58	\$12,043,688.00	8.42%	
SubTotals	\$2,698,010.24	\$31,441,320.00	8.58%	
Contingency 10%	\$2,967,811.26		9.44%	

			r. ·				Exhibit													
			Engir				-	CAD Surve	у	Inspector	/Survey	-	_	, ,						
	rent Street PE	Charles Melton PE Partner	ennis Medin E Partner	om Beach PE	erry Ince PE arther	wight Head	Slenn Ketcham	olby Medlin	on Kraan	on Dohmann	avid Gregory	enny Medlin dmin. Assistant	st Miles	lileage POV	est nights PD	r diem per day	Total Loaded Cost Labor plus PD & Mileage	Fotal A&E Cost & of Construction	Dams location and number	R Cost
Loaded hourly pay rate	\$187.50		0.0	\$187.50	\$187.50	0.5	\$80.00	\$42.00	9	\$75.00	\$75.00	54	- Si	\$0.545	w	129.00	203 m	2 % 0	Da	DSR
							Design		\$00.00	\$75.00	1\$75.00	\$45.00	2007.00	\$0.545	12	129.00				
Preliminary Design Assumes one construction contracts for 16 EWP sites WF 5A I	40	10							T		T	1	T		T					
Construction Drawings	40	10		8		_	16	-	16		-		-							
Specifications, Quantities Cost estimate	40	10		8			40		20		-	8	\vdash		_	_				
Design Report	20	10										6			+					
Inspection Plan SWPPP	20	10		8								6							All	\$ 6,812,064
NRCS & internal reviews	40	10		8								6								,,
Administration, meetings, communications	16	10	40	8	40			-	-		_		-				1.72%	3.0%		
address review comments	12	8	40	-	40		10	-	10		-	8	-		_					
							10		10		+	8	+-		+		2.85% of		\vdash	
Total hours	268	78	40	40	40	0											Est. Constr.			
Salary Total		\$14,625.00					186 \$14,880.00	0	166	0	0	34	_					Constr. Cost		
	, ,,	1 1 1 10 2 0 10 0	1,500.00	1 +1,000.00	1 47,300.00	30.00	Design Sur		\$13,280.00	\$0.00	\$0.00	\$1,530.00					\$117,065.00	\$204,361.92		
16 EWP Sites surveyed on one trip (Miles one way) Design Surveys Includes office, travel & field time 1 base station:		170	170	170	30	180	170	170	170	140	210				10					
rovers Total travel & Salary Design Surveys	6				15	35	40	35	40	35		4	1740	\$948.30						
Total travel & Salary Design Surveys	\$1,125.00				\$2,812.50	\$2,625.00	\$3,200.00	\$1,470.00	\$3,200.00	\$2,625.00	\$0.00	\$180.00		\$948.30	\$1	,290.00	\$18,350.80	\$18,350.80]	
Geotechnical Investigation - up to 5 bore holes up to 35 R deep, laboratory testing, and analysis															\$25,000.00					
								1			T	Cost	of Desi	gn Surveys,	Geotec	chnical,,	& Design	\$160,416		
					Cons	truction in	spection Ass	umes One	Inspector		NEWS									
One contract for 16 EWP sites																				
Miles one way to EWP sites from hdq Est miles for engr 2 required trips Site showing, Pre Work Conference before notice to proceed to contractor	170	170	170	170	30	180	170	170	170	140					-					
no pd for days 3 trips				1320					-	280	-		1600	872.00	_					
per week mileage				340							-		340	\$185.30	+					
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Total per week cost																				
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Total inspection hours based on 1.5X time over 40 hrs.									-	26	-		\vdash		_					
Total per week	\$750.00			\$1,500.00	\$1,500.00								\vdash						\vdash	
Cost per week	\$750.00	\$0.00	\$0.00	\$1,500.00	\$1,500.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5,925.00	\$0.00	\$180.00		\$185.30	\$	903.00	\$10,193.30	Cost per Week		
Required Meetings																				
Site Showing	12			12	4			-		12	-			4074						
Pre-Construction meeting	12			12	4					12			1600		+					
Totals 2 meetings	24			24	8								1000	4012.00	+					
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Stake work limits and BM of construction layout Final Checkout & as-built drawings office, travel and field	8		0	8	0		40 40		40	\$0.00	\$0.00	\$0.00	340 680		2	Surveys	\$16,731.800	OSSI-E IIIIga		
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Stake work limits and BM of construction layout Final Checkout & as-built drawings office, travel and field Total hours	8	0	0	8 8	0	0	40 40 80	0	40 80 \$6,400.00				340 680 vks from		2 4 truction	tion		\$ -		

Est. Construction Services
All Engineer Fees Not to Exceed

Engineer Fees Estimate

7.9% \$698,263 10.3% Site 214 (300'x15'x25') Site 215 (150'x15'x25')

Site 217 (200'x20'x25') Site 218 (250'x20'x20') Site 219a (100'x25'x20')

Site 220 (300'x20'x20')
Site 221 (500'x20'x25')
Site 222 (150'x20'x20')
Site 223 (200'x20')
Site 224 (150'x50'x20')
Site 220 (150'x50'x20')
Site 300 (100'x15'x25')
Site 301 (200'x15'x25')
Site 302 (150'x20'x25')

Site 303 (200'x15'x20') Site 304 (300'x15'x20') Site 305 (200'x20'x25')

Rock Check Dams

							Exhibit B													
			Engir	neers				CAD Survey		Inspector	Survey									
	Trent Street PE Partner	Charles Melton PE Partner	Dennis Medlin PE Partner	Tom Beach PE	Jerry Ince PE Partner	Dwight Head Inspector	Glenn Ketcham	Colby Medin Survey Crew	Jon Kraan	eon Dohmann	David Gregory	lenny Medlin Admin. Assistant	est Miles	Aileage POV	est nights PD	er diem per day	otal Loaded Sost Labor Nus PD & Alleage	otal A&E cost % of construction	Jams location and number	SR Cost
Loaded hourly pay rate	\$187.50	\$187.50	\$187.50	\$187.50	\$187.50	\$75.00	\$80.00	\$42.00	\$80.00	\$75.00	\$75.00	\$45.00	-	\$0.545	-	\$129.00	1002	-00	0.6	
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Construction Drawings	80	40		16			200		200				_		\vdash					
Specifications, Quantities Cost estimate	100	40		8			60		40			8			\vdash		1		_	
Design Report	40	10										6			\vdash		1			
Inspection Plan	20	10		8								6			\vdash				All	\$12,585,568
SWPPP	40	10		8								6			\vdash				~	9 12,500,500
NRCS & internal reviews	40	10		В									_		\vdash		1.51%	3,0%	1	
Administration, meetings, communications	16		40		40								_		\vdash		1.017	5.076	-	
address review comments	12	8					20		20			8	_		\vdash				-	
Total hours	428	168	40	64	40	0	320	0	300	0	0	34			П		2.85% of Est. Constr. Cost	3% of Est. Constr. Cost		
Salary Total	\$80,250.00	\$31,500.00	\$7,500.00	\$12,000.00	\$7,500.00	\$0.00	\$25,600.00	\$0.00	\$24,000.00	\$0.00	\$0.00	\$1,530.00					\$189,880.00			
							esign Surve	eys											_	
6 EWP Sites surveyed on one trip (Miles one way) Design Surveys Includes office, travel & field time 1 base station	170	170	170	170	30	180	170	170	170	140	210				6					
5 rovers	40				40	40	40	40	40	40		4	1740	\$948.30						
Total travel & Salary Design Surveys	\$7,500.00				\$7,500.00	\$3,000.00	\$3,200.00	\$1,680,00	\$3,200.00	\$3,000.00	\$0.00	\$180.00		\$948.30	П	\$774.00	\$23 482 20	\$23,482.30	3	

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Geotechnical Investigation - up to 5 bore holes up to 35 ft deep, laboratory testing, and analysis Cost of Design Surveys, Geotechnical, & Design															\$30,000.00]				
												Cost of	Desig	n Surveys	, Ge	otechnical,	, & Design	\$243,362		
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One contract for 6 EWP sites					1	000000	poolion 700	Intes One	Inspector		_				1	-				
Miles one way to EWP sites from hdq	170	170	170	170	30	180	170	170	170	140			-		-		l			
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Total per week cost													-		+				\vdash	
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Weekly inspection services (first 40)	4			8	8					40		4			-				\vdash	
Weekly inspection services (over 40) based on 66 hrs./wk.										26					\vdash				\vdash	
Total inspection hours based on 1.5X time over 40 hrs.																				
Total per week	\$750.00			\$1,500.00	\$1,500.00										\vdash	-			\vdash	
Cost per week	\$750.00	\$0.00	\$0.00	\$1,500.00	\$1,500.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5,925.00	\$0.00	\$180.00		\$185.30		\$903.00	\$10,193.30	Cost per Week		
Required Meetings																				
Site Showing	12			12	4					12			1600	\$872.00						
Pre-Construction meeting	12			12	4								1600	\$872.00	П					
Totals 2 meetings	24			24	8										П					
Cost 2 meeting	\$4,500.00	\$0.00		\$4,500.00	\$1,500.00									\$1,744.00			\$11,450.48	Cost-2 mtgs		
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Stake work limits and BM of construction layout							40		40				340		2					
Final Checkout & as-built drawings office, travel and field	8			8			40		40				340		2					
Total hours	8	0	0	8	0	0	80	0	80				680		4					
Salary	\$1,500.00	\$0.00	\$0.00	\$1,500.00	\$0.00	\$0.00	\$6,400.00	\$0.00	\$6,400.00	\$0.00	\$0.00	\$0.00		Cost of Con			\$16,731,800			
															T	34.10				
									A&E Co	nstruction F	ees assu	uming 70 w	s from	NTP & fin	el ins	pection	\$741,713	s .		
Construction weeks including weather days	70											,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				on Service		-		

All Engineer Fees Not to Exceed Engineer Fees Estimate \$985,076 7.8% Site 109 (400'x10'x6') Site 308a (1000'x15'x15')

Site 307 (500'x20'x25') Site 110 (150'x50'x10') pipeline crossing

Site 111 (4200'x15'x16') Site 113 (13200'x10'x6')

							Exhibit 8	3												
			Engi	neers			1	CAD Surve	v	Inspector	/Survey	•								
	Trent Street PE Partner	Charles Melton PE Partner	Dennis Medlin PE Partner	om Beach PE	erry Ince PE Partner	Owight Head	Slenn Ketcham	colby Medlin		uan		enny Medlin dmin. Assistant	ist. Miles	ileage POV	st nights PD	er diem per day	Total Loaded Cost Labor plus PD & Mileage	Total A&E Cost % of Construction	Dams location and number	SR Cost
Loaded hourly pay rate	\$187.50	\$187.50	\$187.50	\$187.50	\$187.50	\$75.00	\$80.00	\$42.00	\$80.00	\$75.00	\$75.00	-><	ш	\$0,545		\$ 129.00	FOGE	F00	0 8	ä
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Preliminary Design Assumes one construction contracts for 9											T				T					
EWP sites WF 5A III	100	40		16			40		40											
Construction Drawings Specifications, Quantities Cost estimate	100	40		16			200		200						П					
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Design Report	40	10										6								
Inspection Plan	20	10										6							All	\$12,043,
	40	10										6								7 12,00
NRCS & internal reviews	40	10		8													1.64%	3.0%		
Administration, meetings, communications	16		40		40										-			0.010		
address review comments	12	8					20		20			8								
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Total hours	468	168	40	64	40	0	320	0	300	0	0	34					Cost	Constr. Cost	1 1	
Salary Total	\$87,750.00	\$31,500.00	\$7,500.00	\$12,000.00	\$7,500.00	\$0.00	\$25,600.00		\$24,000.00	\$0.00	\$0.00	\$1,530.00						\$361,310.64		
STAND CHARLES AND							Design Surv								_					
9 EWP Sites surveyed on one trip (Miles one way) Design Surveys Includes office, travel & field time 1 base station 5 rovers		170	170	170	30	180	170	170	170	140	210				10					
	80				80	80	80	80	80	80		4	1740	\$948.30						
Total travel & Salary Design Surveys	\$15,000.00				\$15,000.00	\$6,000.00	\$6,400.00	\$3,360.00	\$6,400.00	\$6,000.00	\$0.00	\$180.00		\$948.30	П	\$1,290.00	\$45,578,30	\$45,578,30	1	
							t deep, labor												-	
	П							Г	Π		Г	Cost o	of Desig	n Surveys	s, Ge	eotechnical,	& Design	\$272,958		
		***************************************						Address to America	A Street Company Company		-	-	-		-		***			
One contract for 9 EWP sites		Contract Statement			Const	ruction ins	pection Ass	umes One	Inspector	10000000										BANK I
Viles one way to EWP sites from hdg	170	170	170	170	30						_		_		\vdash					
Est miles for engr 2 required trips Site showing, Pre Work	170	170	170	1/0	30	180	170	170	170	140	_		_		_					
Conference before notice to proceed to contractor				1320						280			1600	872.00						
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per week per diem	0.25			340											7	\$ 903.00			All	
per week per diem	0.25			340											7	\$ 903.00			All	
per week per diem Total per week cost				340											7	\$ 903.00			All	
per week per diem Total per week cost Weekly inspection services (first 40)	0.25			340	8					40		4			7	\$ 903.00			All	
per week per diem Total per week cost Weekly inspection services (first 40) Weekly inspection services (over 40) based on 66 hrs./wk.				340	8							4			7	\$ 903.00			All	
per week per diem Total per week cost Weekly inspection services (first 40) Weekly inspection services (over 40) based on 66 hrs./wk. Total inspection hours based on 1,5X time over 40 hrs.	4			340						40		4			7	\$ 903.00			All	
per week per diem Total per week cost Weekly inspection services (first 40) Weekly inspection services (over 40) based on 66 hrs./wk. Total inspection hours based on 1,5X time over 40 hrs.				340						40		4			7	\$ 903.00			All	
Cotal per week cost Weekly inspection services (first 40) Weekly inspection services (over 40) based on 65 hrs./wk. Fotal inspection hours based on 1.5X time over 40 hrs. Total per week	4	\$0.00	\$0.00	340		\$0.00	\$0.00	\$0.00	\$0.00	40	\$0.00	4 \$180.00			7	\$ 903.00	\$10,193.30	Cost per Week	All	
Fotal per week cost Weekly inspection services (first 40) Weekly inspection services (first 40) Weekly inspection services (over 40) based on 66 hrs./wk. Fotal inspection hours based on 1.5X time over 40 hrs. Fotal per week Cost per week	4 \$750.00	\$0.00	\$0.00	340 1 8 \$1,500.00	\$1,500.00	\$0.00	\$0.00	\$0.00	\$0.00	40 26	\$0.00			\$185.30	7		\$10,193,30		All	
Total per week cost Weekly inspection services (first 40) Weekly inspection services (over 40) based on 66 hrs./wk. Total Inspection hours based on 1.5X time over 40 hrs. Total per week Cost per week Required Meetings	\$750.00 \$750.00	\$0.00	\$0.00	340 1 8 \$1,500.00 \$1,500.00	\$1,500.00	\$0.00	\$0.00	\$0.00	\$0.00	40 26 \$5,925.00	\$0.00		340	\$185.30 \$185.30	7		\$10,193.30		All	
Der week per diem Total per week cost Weekly inspection services (first 40) Weekly inspection services (over 40) based on 66 hrs./wk. Total inspection hours based on 1,5X filme over 40 hrs. Total per week Cost per week Cost per week Site Showing Site Showing	\$750.00 \$750.00	\$0.00	\$0.00	340 1 8 \$1,500.00 \$1,500.00	\$1,500.00 \$1,500.00	\$0.00	\$0.00	\$0.00	\$0.00	40 26	\$0.00		1600	\$185.30 \$185.30 \$872.00	7		\$10,193.30		All	
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Fotal per week cost Veekly inspection services (first 40) Weekly inspection services (over 40) based on 66 hrs./wk. Total Inspection hours based on 1.5X time over 40 hrs. Total per week Cost per week Required Meetings Site Showing re-Construction meeting Totals 2 meetings	\$750.00 \$750.00 \$12 12 24		\$0.00	340 1 8 8 \$1,500.00 \$1,500.00	\$1,500.00 \$1,500.00 4 4 8	\$0.00	\$0.00	\$0.00	\$0.00	40 26 \$5,925.00	\$0.00		1600 1600	\$185.30 \$185.30 \$872.00 \$872.00			\$10,193.30		All	
Fotal per week cost Veekly inspection services (first 40) Weekly inspection services (over 40) based on 66 hrs./wk. Total Inspection hours based on 1.5X time over 40 hrs. Total per week Cost per week Required Meetings Site Showing re-Construction meeting Totals 2 meetings	\$750.00 \$750.00	\$0.00	\$0.00	340 1 8 \$1,500.00 \$1,500.00	\$1,500.00 \$1,500.00 4 4	\$0.00	\$0.00	\$0.00	\$0.00	40 26 \$5,925.00	\$0.00		1600 1600	\$185.30 \$185.30 \$872.00			\$10,183.30	Week	Alt	
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Fotal per week cost Veekly inspection services (first 40) Veekly inspection services (first 40) Veekly inspection services (over 40) based on 65 hrs./wk. Total inspection hours based on 1.5X lime over 40 hrs. Total per week Cost per week Required Meetings Ille Showing Yer-Construction meeting Totals 2 meetings Cost 2 meetings Liste work limits and BM of construction layout Inian Checkout & as-built drawings office, travel and field Total hours	\$750.00 \$750.00 \$12 12 24 \$4,500.00	\$0.00	0	340 1 8 8 \$1,500.00 \$1,500.00 12 12 24 \$4,500.00	\$1,500.00 \$1,500.00 4 4 8 \$1,500.00	C	enstruction Si 40 40 80	ırveys	40 40 80 \$6,400.00	\$5,925.00 \$26 \$5,925.00	\$0.00	\$180.00	1600 1600 340 340 680	\$185.30 \$185.30 \$872.00 \$872.00 \$1,744.00	2 2 4	\$ 903.00	\$11,450.48	Week	All	
Fotal per week cost Weekly inspection services (first 40) Weekly inspection services (first 40) Weekly inspection services (over 40) based on 66 hrs./wk. Fotal inspection hours based on 1.5X time over 40 hrs. Fotal per week Cost per week Required Meetings Bits Showing Pre-Construction meeting Cotals 2 meetings Cost 2 meetings Stake work limits and BM of construction layout Final Checkout & as-built drawings office, travel and field	\$750.00 \$750.00 \$12 12 24 \$4,500.00	\$0.00	0	340 1 8 8 \$1,500.00 \$1,500.00 12 12 24 \$4,500.00	\$1,500.00 \$1,500.00 4 4 8 \$1,500.00	C	enstruction Si 40 40 80	ırveys	40 40 80 \$6,400.00	40 26 \$5,925.00	\$0.00	\$180.00	340 1600 340 380 880	\$185.30 \$185.30 \$872.00 \$872.00 \$1,744.00	2 2 4 nstru	\$ 903.00	\$11,450.48	Week	Alt	

All Engineer Fees Not to Exceed

Engineer Fees Estimate

\$1,014,672 8.4% Site 311 (6000'x10'x6')

Site 310 (300'x100'x10') Site 313 (500'x100'x2') Sediment Site 313 (500'x100'x10')

Site 312 (3000°x10°x10°)
Site 314 (5000°x50°x2') Sediment
Site 314 (5000°x50°x10°)
Site 315 (300°x100°x6') Sediment
Site 315 (300°x100°x10°)
Site 316 (200°x100°x10°)
Site 317 (1000°x100°x4') Sediment
Site 317 (1000°x100°x4') Sediment
Site 317 (1000°x100°x4')

Site 100 (350'x100'x2') Sediment Site 100 (350'x100'x6')

Rock Check Dams

Project Schedule

The attached gantt chart schedule shows the original and amended baseline schedules. The original performance time is 365 calendar days. However due to COE permitting requirement delaying construction start, the schedule shows an extension of three months or 90 days. Anticipated construction start time is in November 2018.

The amended baseline schedule adds the 90 days plus an additional 1.5 years (585 calendar days) for the added work. The total for all the work will be 950 calendar days (start 12-27-17 to 9-23-20). Overlapping time for design, contracting administration, and construction was calculated in the estimate. The survey and design estimate is based on an average of approximately 80 days per DSR, and includes time for regulatory approval. The contract administrative time estimate assumes FBDD will issue one contract for each DRS and estimated administrative times for advertising and soliciting are overlapping with design time and construction starts.

The construction time estimate will require three (2) of the projects to be started as soon as possible and the other project to follow, with all three construction project overlapping. The longest performance time is 490 calendar days for two of the DSRs, 350 calendar days for one.

)	A	Task Mode	Task Name	Duration	Start	Finish	4, 2017 Qtr 1, 2014 Qtr 2, 2018 Qtr 3, 2018 Qtr 4, 2018 Qtr 1, 2019 Qtr 2, 2019 Qtr 3, 2019 Qtr 4, 2019 Qtr 1, 2020 Qtr 2, 2020 Qtr 3, 2020 Qtr 4, 20 NovDecJan FebMar ApriMayJun Jul AugSep Oct NovD
1		=,					NovDecJan FebMat/AprMayJuni Jul AugSep/OctNovDedJan FebMat/AprMayJuni AprMayJuni Jul AugSep/OctNovDedJan FebMat/AprMayJuni AprMayJuni A
2		=3					
3	783	*	Original Fort Bend EWP PT	365 days	Wed 12/27/17	7 Thu 12/27/18	Original Baseline
4		=					
5	-	*	Survey- Design	223 days	Mon 1/1/18	Sun 8/12/18	
6		=,	Reglatory Delay (estimate)	90 days	Sun 7/1/18	Sat 9/29/18	-
7		=3	Contract Administration (FBDD)	45 days	Sat 9/29/18	Tue 11/13/18	
8		=	Construction (2 crews)	142 days	Tue 11/13/18	Thu 4/4/19	
9	1	=3					
10	1	=					
11		3	Amended Contract PT	950 days	Wed 12/27/17	Mon 8/3/20	Amended B
12		=,					
13		3	Survey Design (3DSRs)	240 days	Sun 9/2/18	Tue 4/30/19	Reg Delay
14		=,	Contract ADM (FBDD)	150 days	Sun 1/13/19	Fri 7/12/19	
15		=,	Construction (3 contracts/crews)	490 days	Sun 3/24/19	Sun 7/26/20	

CERTIFICATE OF INTERESTED PARTIES

FORM **1295**

1 of 1

					1011
	Complete Nos. 1 - 4 and 6 if there are interested parties. Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.		CE	OFFICE USE	
1	Name of business entity filing form, and the city, state and count of business.	ry of the business entity's pla		tificate Number:	
	M&E Consultants LLC		201	.8-390010	
			Date	e Filed:	
	Heidenheimer, TX United States			9/2018	
2	Name of governmental entity or state agency that is a party to the being filed.	e contract for which the form i	s Voi	J9/2016	
	Fort Bend County		Date	e Acknowledged:	
	Fort Bend County			28/2018	
3	Provide the identification number used by the governmental enti- description of the services, goods, or other property to be provided	ty or state agency to track or i led under the contract.	dentity the	contract, and prov	/ide a
	Q17-086				
	Engineering Services				
4				Nature of	finterest
4	Name of Interested Party	City, State, Country (place of	f business)	(check ap	plicable)
				Controlling	Intermediary
		•			
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			-		
5	Check only if there is NO Interested Party.				
6	UNSWORN DECLARATION				
	My name is	, and my o	date of birth i	S	·
	My address is			,	
	(street)	(city)	(state)	(zip code)	(country)
	I declare under penalty of perjury that the foregoing is true and correct	t.			
	Executed inCounty	, State of	on the	day of	, 20 .
				(month)	(year)
l		Signature of authorized agent	of contractin	ng business entity	
		(Declaran		-	