DANNENBAUM ENGINEERING CORPORATION

1109 W. NOLANA AVE. SUITE 208 MCALLEN, TEXAS 78504 (956) 682-3677

October 21, 2019

Webb County 1620 Santa Ursula, 2nd Floor Laredo, Texas 78040

Attn: Luis Pérez Garcia, P.E. Webb County Engineer

Ref: Contract For Engineering Services For The Hachar Reuthinger Road Project (TxDOT CSJ

0922-33-166)

Subj: Supplemental Agreement No. 1 to Main Contract

Dear Mr. Perez Garcia,

Please find attached herewith: three (3) partially executed copies of Supplemental Agreement No. 1 to Main Contract for Engineering Services for the above referenced project, each bearing an original signature. This Supplemental No. 1 to the Main Contract includes revisions to the following documents to reflect revisions to the Main Contract as a result in an increase in the fee of Ama Terra Environmental, Inc and corresponding decrease in the fee of Dannenbaum Engineering Corporation:

- 1. A zero dollar (\$0.00) change in the Contract Amount.
- 2. Revisions to the following Contract Documents:
 - a. Attachment E-2: Summary of Fee Schedule for Phase I (Advanced Project Development Services Supporting Lump Sum Calculations: Phase I - Summary, Phase I Project Management / Preliminary Design, Phase I - Public Involvement, Phase I - Drainage Impact Analysis, and Phase I - Environmental Services.
 - b. Exhibits: H-1: Subprovider Monitoring System Commitment Worksheet
 - H-2: Subprovider Monitoring System Commitment Agreement
 - H-3: Subprovider Monitoring System for Federally Funded Contracts Progress Assessment Report
 - H-5: Federal Subprovider and Supplier Information

Please execute each of the three (3) copies of Supplemental Agreement No. 6 to Main Contract using blue ink. Thereafter, please retain one (1) original for your files, transmit one (1) original to TxDOT, and return one (1) original to our office for our records.

Should you have any questions or require further information regarding this matter, please contact me at your earliest convenience by telephone at (956) 682-3677 or by email at richard.seitz@dannenbaum.com.

Sincerely,

James D. Dannenbaum, P.E.

Jim Blowling, PE,

President

cc: File No. 5126-01

Dannenbaum Engineering Corporation

Richard D. Seitz, P.E. Gustavo Lopez, P.E. Cynthia M. Luera Mirna Santana Dannenbaum Engineering Corporation Dannenbaum Engineering Corporation Dannenbaum Engineering Corporation Dannenbaum Engineering Corporation

Letter Inclusions: 1. Three (3) partially executed copies of Supplemental Agreement No. 1 to the Main Contract for Engineering Services for the above referenced project, each bearing an original signature.

CONTRACT FOR ENGINEERING SERVICES SUPPLEMENTAL AGREEMENT NO. 1 to the MAIN CONTRACT

THIS SUPPLEMENTAL AGREEMENT to The Main Contract for Engineering Services is made by and between the County of Webb, a subdivision of the State of Texas, hereinafter called "County" and Dannenbaum Engineering Corporation, having its principal business address at 1109 West Nolana Avenue, Suite 208, McAllen, Texas 78504 hereinafter called "Engineer," for the purpose of contracting for engineering services.

BACKGROUND

The County and the Engineer executed a Contract on August 2018 for engineering services generally described preliminary engineering, including the preparation of schematics, environmental documents and right of way parcel maps, to support a roadway project for the Reuthinger Extension of the Hachar Reuthinger Road project from 0.1 miles east of Beltway parkway (northern ND Hachar tract limit – southern Reuthinger tract limit) to the west I-35 frontage road (TxDOT CSJ 0922-33-166) situated in Webb County, Texas

AGREEMENT

The County and the Engineer agree that the Contract is amended as follows:

ARTICLE 1. SCOPE OF SERVICES.

The original scope of services in the Main Contract is amended by this Supplemental Agreement No. 1 to include:

ARTICLE 2. CONTRACT PERIOD.

This Supplemental Agreement No. 1 to the Main Contract becomes effective when fully executed by all parties hereto and it shall terminate at the close of business on <u>December 1, 2019</u> unless the contract period is: (1) modified by written supplemental agreement prior to the date of termination as set forth in Attachment A, General Provisions, Article 6, Supplemental Agreements; (2) extended due to a work suspension as provided for in Attachment A, Article 3, Paragraph C; or (3) otherwise terminated in accordance with Attachment A, General Provisions, Article 15, Termination. Any work performed or cost incurred before or after the contract period shall be ineligible for reimbursement.

ARTICLE 3. COMPENSATION.

- A. Maximum Amount Payable. The current Maximum Amount Payable under the Main Contract of \$298,282.04 is hereby modified by this Supplemental Agreement No. 1 to the Main Contract to \$298,282.04 an increase of \$0.00
- B. Basis of Payment. Attachment E-2: Summary of Fee Schedule for Phase I (Advanced Project Development Services Supporting Lump Sum Calculations: Phase I Summary, Phase I Project Management / Preliminary Design, Phase I Public Involvement, Phase I Drainage Impact Analysis, and Phase I Environmental Services have been revised to reflect an increase in Ama Terra Environmental, Inc. cost per work task for Phase 1 Environmental Services and a decrease in Dannenbaum's cost per work task for Phase I Summary, Phase I Project Management / Preliminary Design, Phase I Public Involvement, and Phase I Drainage Impact Analysis to reflect a zero cost change to the contract amount.

Copies of the revised documents are attached herewith and made a part of this Supplemental No. 1 to the Main Contract.

ARTICLE 4. PAYMENT REQUIREMENTS

G. Subproviders and Suppliers List.

Exhibit H-1: Subprovider Monitoring System Commitment Worksheet Column 6 "\$ Amount or % of Work" has been revised to reflect the increase in Ama Terra Environmental, Inc. fee.

Exhibit H-2: Subprovider Monitoring System Commitment Agreement Provider information has been revised to reflect the replacement of Louis H. Jones, P.E. email and signature information with that of James D. Dannenbaum, P.E.

Exhibit H-3: Subprovider Monitoring System for Federally Funded Contracts Progress Assessment Report for month of (Mo./Yr.)" Column 4 "Total Subprovider Amount" has been revised to reflect the increase in Ama Terra Environmental, Inc. fee. In addition, Column 5 "% Total Contract Amount" has been revised to reflect changes in the percentage for Aerial Data Service, Inc.; Gilpin Engineering Company; and Ama Terra Environmental, Inc. due to the increase in fee for Ama Terra Environmental, Inc.

Exhibit H-5: Federal Subprovider and Supplier Information has been revised by this Supplemental No. 1 to the Main Contract to reflect a change in the "Address" for Ama Terra Environmental, Inc. from 4009 Banister Lane, Suite 300, Austin, Texas 78704-6853 to 11842 Rim Rock Trail, Austin, Texas 78737.

Copies of the revised documents are attached herewith and made a part of this Supplemental No. 1 to the Main Contract.

All other provisions of the Main Contract are unchanged and remain in full force and effect.

IN WITNESS WHEREOF, this Supplemental Agreement is executed in duplicate counterparts and hereby accepted and acknowledged below.

THE ENGINEER	THE COUNTY
Jams D. Darban, P.E. Pros,	
(Signature)	(Signature)
James D. Dannenbaum	Tano E-Tijenna
(Printed Name)	(Printed Name)
President	CountyJudge
(Title)	(Title)
21 October 2019	21 November 2019
(Date)	(Date)

LIST OF ATTACHMENTS:

THE ENGINEED

Attachment: E2: Summary of Fee Schedule for Phase I (Advanced Project Development Services Supporting Lump Sum Calculations revised 10/18/2019:

- Phase I Summary Dannenbaum
- Phase I Project Management / Preliminary Design Dannenbaum
- Phase I Public Involvement Dannenbaum
- Phase I Drainage Impact Analysis Dannenbaum

Phase I Environmental Services - Ama Terra Environmental, Inc.

Exhibits: H-1: Subprovider Monitoring System Commitment Worksheet H-2: Subprovider Monitoring System Commitment Agreement

H-3: Subprovider Monitoring System for Federally Funded Contracts Progress Assessment

H-5: Federal Subprovider and Supplier Information

ATTESTED:

Margie Ramus Down

Margie Ramirez-Ibarra Webb County Clerk



APPROVED AS TO FORM:

Ramon A. Villafranca, Jr.)
Assistant General Counsel
Webb County Civil Legal Division*

*By law, this office may only advise or approve contracts or legal documents on behalf of its clients. It may not advise or approve a contract or legal document on behalf of other parties. Our review of this document was conducted solely from the legal perspective of our client. Our approval of this document was offered solely for the benefit of our client. Other parties should not rely on this approval, and should seek review and approval of their own respective attorney(s).

ATTACHMENTS

DETAILED FEE SCHEDULE

Hachar Roadway - Reuthinger Tract Portion

PHASE I - ADVANCED PROJECT DEVELOPMENT SERVICES

Provide Advanced Project Development Services, Develop Separate Schematic, Environmental Assessment, Public Involvement, Drainage Studies, Culvert Sizing for Reuthinger Section of Hachar Roadway

from Approximately 0.1 miles east of Beltway Parkway to I-35 west frontage road

PHASE I SUMMARY

	PHASE I -	ADVAN	ICED PROJECT D	EVELOPM	ENT	SERVICES SU	JMMARY	BY FL	INCTION CODES	3						
		PRI	IME		DB	BE		DE	BE		NON	-DBE				
Function Codes	Danne		Engineering pration	Ama Terra	a En Ind	vironmental, c.	Aerial	Data S (Flig	ervices, Inc. ght)	Gil		gineering pany	TOTAL	TOTAL HOURS AND		
	Hrs		Fee	Hrs		Fee	Hrs		Fee	Hrs	T	Fee	Hrs	T	Fee	
BASIC SERVICES:												\		1918		
FC 110 Route and Design Studies	1031	\$	112,163.95										1031	\$	112,163.95	
FC 102 Preliminary Engineering (Prelim Trf Studies)													0	\$		
FC 120 Public Involvement	137	\$	15,607.97	397	\$	42,738.00							534	\$	58,345.97	
FC 120 Environmental			Light House										0	\$	•	
FC 130 Right of Way Data										6	\$	838.11	6	\$	838.11	
FC 145 Project Management	335	\$	51,068.34	52	\$	6,736.00						以为 对金属		\$	57,804.34	
FC 150 Field Surveying								\$	20,000.00	161	\$	21,884.49	161	\$	41,884.49	
FC 161 Drainage	164	\$	20,129.18										164	\$	20,129.18	
Direct Expenses					\$	7,116.00							0	\$	7,116.00	
TOTAL BASIC SERVICES:	1667	\$	198,969.44	449	\$	56,590.00	0	\$	20,000.00	167	\$	22,722.60	2283	\$	298,282.04	
SPECIAL SERVICES:												建筑的建筑				
FC 110 Route and Design Studies													0	\$		
TOTAL SPECIAL SERVICES:	0	\$	•	0	\$		0	\$		0	\$		0	\$		
GRAND TOTAL BASIC AND SPECIAL SERVICES	1667	\$	198,969.44	449	\$	56,590.00	0	\$	20,000.00	167	\$	22,722.60	2283	\$	298,282,04	
Percent Participation			66.71%			18.97%			6.71%			7.62%			100.00%	
				N	ОТ											
1) Special Service: Geotech not included in available done in PS&E. Fee is for consideration above origin			PO. Assumed				luded in	origin	al MPO budget	, will b	e don	e with PS&E.				
2). SUE Not scoped: Due to minimal utilities, if any						udies: Not sco or utilize exis		77.7	inal MPO Budg	et. As	sump	tion was to be	e provide	ed by	TxDOT	
3). ROW Acquisition: Document of Reuthinger Prop Reuthinger Tract.	perty to b	e dona	ted by	Environm	enta	al Technical R	eports re	equire	nvironmental s d for the Reuth artion to be incl	inger T	ract a	and after TxD	OT appro	oved,	hand off to	

DETAILED FEE SCHEDULE

Hachar Roadway - Reuthinger Tract Portion

PHASE I - ADVANCED PROJECT DEVELOPMENT SERVICES

Provide Advanced Project Development Services, Develop Separate Schematic, Environmental Assessment, Public Involvement, Drainage Studies, Culvert Sizing for Reuthinger Section of Hachar Roadway from Approximately 0.1 miles east of Beltway Parkway to I-35 west frontage road

PHASE I - PROJECT MANAGEMENT/PRELIMINARY DESIGN

BASIC SERVICES TASK DESCRIPTION	Senior PM	Senior Engineer- Civil	Senior Engineer- Bridge	Senior Engineer Tech	Senior CADD Operator	Clerical	Total Labor Hrs.	Task Cost
FC 145 - PROJECT MANAGEMENT		247 100						
DEVELOP INVOICES/MONTHLY PROGRESS REPORTS (18 MO)	15.5035	8.7207	0.0000	0.0000	0.0000	15.5035	39.7277	\$ 5,636.940
PROJECT MANAGEMENT (14.5 MO)	62.9831	164.7250	0.0000	0.0000	0.0000	67.8279	295.5360	\$ 45,431.400
SUB-TOTAL - FC 145 - PROJECT MANAGEMENT	78.4866	173.4457	0.0000	0.0000	0.0000	83.3314	335.0000	\$ 51,068.340
FC 110 - PRELIMINARY DESIGN								
PROJECT LAYOUT/SCHEMATIC DESIGN (ULTIMATE 6 LN FREEWAY/ PH 1 - 5 LN)	1.9379	67.8279	0.0000	184.1044	145.3456	0.0000	399.2158	\$ 42,946.4800
DEVELOP GEOPAK CROSS SECTIONS	0.9690	19.3794	0.0000	222.8632	53.2934	0.0000	296.5050	\$ 30,008.210
EXISTING & PROP TYPICAL SECTIONS - (included in base contract)	0.9690	1.9379	0.0000	7.7518	13.5656	0.0000	24.2243	\$ 2,497.520
PRELIMINARY ESTIMATE & QUANTITIES	0.9690	3.8759	0.0000	38.7588	21.3174	0.0000	64.9211	\$ 6,543.770
PRELIMINARY SUMMARY OF ROADWAY QUANTITIES	0.9690	3.8759	0.0000	19.3794	21.3173	0.0000	45.5416	\$ 4,653.690
PRELIMINARY SUMMARY OF CULVERT QUANTITIES	0.9690	1.9379	0.0000	7.7518	15.5035	0.0000	26.1622	\$ 2,669.660
MEET WITH MPO (4 MEETINGS) (ASSIST CITY CONSULTANT)	1.9379	15.5035	0.0000	5.8138	7.7518	13.5656	44.5726	\$ 5,107.990
PROGRESS MEETINGS WITH COUNTY/CITY/TXDOT INCLUDES MINUTES (3 MEETINGS) (ASSIST CITY CONSULTANT)	15.5035	21.3174	0.0000	7.7518	9.6897	9.6897	63.9521	\$ 9,088.190
MEETINGS/MINUTES WITH UTILITY CO. (2 MEETINGS)	1.9379	9.6897	0.0000	3.8759	7.7518	3.8759	27.1312	\$ 3,362.480
MEETINGS/MINUTES WITH AFFECTED PROPERTY OWNERS (MAPO) (2 MEETINGS)	9.6897	9.6897	0.0000	5.8138	7.7518	5.8138	38.7588	\$ 5,285.960
SUB-TOTAL - FC 110 - PRELIMINARY DESIGN	35.8519	155.0352	0.0000	503.8647	303.2879	32.9450	1031,00	\$ 112,163.9500
TOTAL SPECIAL SERVICES	114.3385	328.4809	0.0000	503.8647	303,2879	116.2764	1366.0000	\$ 163,232.29
LABOR RATE PER HOUR	\$ 209.	41 \$ 172.11	\$ 172.11	\$ 97.53	\$ 88.83	\$ 57.37		
DIRECT LABOR COSTS	\$ 23,943.	53 \$ 56,534.85	\$ -	\$ 49,141.92	\$ 26,941.06	\$ 6,670.78	\$ 163,232.24	
TOTAL	\$ 23,943.	53 \$ 56,534.85	\$ -	\$ 49,141.92	\$ 26,941.06	\$ 6,670.78	\$ 163,232.24	
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON FEE)	14.67%	34.63%	0.00%	30.11%	16.50%	4.09%	100.00%	
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON MANHOURS)	8.37%	24.05%	0.00%	36.89%	22,20%	8.51%	100.00%	

DETAILED FEE SCHEDULE

Hachar Roadway - Reuthinger Tract Portion

PHASE I - ADVANCED PROJECT DEVELOPMENT SERVICES

Provide Advanced Project Development Services, Develop Separate Schematic, Environmental Assessment, Public Involvement, Drainage Studies, Culvert Sizing for Reuthinger Section of Hachar Roadway

from Approximately 0.1 miles east of Beltway Parkway to I-35 west frontage road

PHASE I - PROJECT MANAGEMENT/PRELIMINARY DESIGN

BASIC SERVICES TASK DESCRIPTION	Senior PM	Senior Engineer- Civil	Senior Engineer- Bridge	Senior Engineer Tech	Senior CADD Operator	Clerical	Total Labor Hrs.	1	Task Cost
TOTAL DANNENBAUM DIRECT EXPENSES (FROM BELOW)								\$	-
DIRECT EXPENSES									
PLOTS (B/W ON BOND) \$1.00/LINEAR FOOT (75 FT/PLOT x 5 PLOTS)								\$	
PLOTS (COLOR ON BOND) \$2.00/LINEAR FOOT (75 FT/PLOT x10 PLOTS)								\$	-
COLOR GRAPHICS ON FOAM BOARD (\$5.00/SF) (3x6'x 10 Ea)								\$	
CAR RENTAL - \$90 / TRIP X 10 TRIP								\$	
PER DIEM - \$121 /NIGHT STAY X 2 PERSON X 5 NIGHT (\$85 hotel/\$36 meals)								\$	
DELIVERY SERVICES - \$50 / PACKAGE X 10 PACKAGES								\$	-
MILEAGE 10 TRIP x 286 MI / TRIP @ \$0.565/mile								\$	
TOTAL DIRECT EXPENSES								\$	
ASSUMPTIONS 1. Set 14 Aerial Targets	4								
Roadway is designed as Asphalt Road with open ditches, cross culverts only									
Number of outfalls = 3 culverts. An increase; then increase will be handled as separate Work Authorization									
Detention Pond design is not included, if rquired, will be handled as a separate Work Authorization									
 Detention Pond design is not included, if rquired, will be handled as a separate Work Authorization 	percent								
6. No FEMA Submittals									
 No LOMR (FEMA-Letter of Map Revision) or CLOMR (FEMA-Conditional Letter of Map Revision) Included. Will be handled as separate Work Authorizations 									
8. No Roadway Drainage									

DETAILED FEE SCHEDULE

Hachar Roadway - Reuthinger Tract Portion

PHASE I - ADVANCED PROJECT DEVELOPMENT SERVICES

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from Approximately 0.1 miles east of Beltway Parkway to I-35 west frontage road

PHASE I - PUBLIC INVOLVEMENT

BASIC SERVICES TASK DESCRIPTION	-	enior PM		Senior Engineer Civil		Senior Engineer Bridge		Senior Engineer Tech		Senior CADD Operator		Clerical		Total Labor Hrs.	Total Labor Hrs.
FC 120 - PUBLIC INVOLVEMENT (PROVIDED BY CONSULTANT (DEC) FOR HACHAR PORTION OF H	IACHAR	LOOP. REL	UTHING	GER CONSUL	TANT	FOR THE COL	JNTY	IS ONLY PROV	/IDIN	IG EXHIBITS FO	R RE	EUTHINGER PO	RTIC	ON)	
CREATE PUBIC INVOLVEMENT PLAN (PIP)											Total				
CREATE STAKEHOLDER LIST	0	.0000		1.9379	7	0.0000		0.0000		0.0000		7.7518		9.69	\$ 778.25
DEVELOP RIGHT OF ENTRY (ROE)	0	.9690		1.9379	-6.1	0.0000		0.0000		0.0000		1.9379		4.84	\$ 647.63
HOLD PUBLIC INFORMATION WORKSHOP/DEVELOP EXHIBITS (ASSIST CITY CONSULTANT)	1	.9379	4	7.7518		0.0000		7.7518		13.5656		1.9379		32.95	\$ 3,812.22
DEVELOP PUBLIC INFORMATION WORKSHOP SUMMARY REPORT (BY CITY CONSULTANT)	0	.0000		0.0000		0.0000		0.0000		0.0000		0.0000		0.00	\$ -
ADVERTISE FOR PUBLIC MEETINGS (BY CITY CONSULTANT)	0	.0000		0.0000		0.0000		0.0000		0.0000		0.0000		0.00	\$
HOLD PUBLIC MEETING (1) (ASSIST CITY CONSULTANT)	1	.9379		7.7518	7.	0.0000		7.7518		13.5656	The second	1.9379		32.95	\$ 3,812.22
DEVELOP PUBLIC MEETING SUMMARY REPORT (BY CITY CONSULTANT)	1	.9379		3.8759		0.0000		0.0000		0.0000		0.0000		5.81	\$ 1,072.90
AFFORD/ADVERTISE FOR PUBIC HEARING (EA) (BY CITY CONSULTANT)	0	.0000		0.0000		0.0000		0.0000	24	0.0000		0.0000		0.00	\$
HOLD PUBIC HEARING (EA) (ASSIST CITY CONSULTANT)	1	.9379	1.79	7.7518	-	0.0000		0.0000		19.3794	983	13.5656		42.63	\$ 4,239.71
DEVELOP PUBLIC HEARING DOCUMENT (EA) (BY CITY CONSULTANT)	1	.9379	44.5	3.8759		0.0000		0.0000		1.9379	17	0.0000		7.75	\$ 1,245.04
SUB-TOTAL - FC 120 - PUBLIC INVOLVEMENT (PROVIDED BY CONSULTANT (DEC) FOR HACHAR PORTION OF HACHAR LOOP. REUTHINGER CONSULTANT FOR THE COUNTY IS ONLY PROVIDING EXHIBITS FOR REUTHINGER PORTION)	10	0.6585		34.8830		0.0000		15.5036		48.4485		27.1311		137.0000	\$ 15,607.9
TOTAL SPECIAL SERVICES	10	0.6585		34.8830		0.0000		15.5036		48.4485		27.1311		136.8124	\$ 15,607.97
LABOR RATE PER HOUR	\$	209.41	\$	172.11	\$	172.11	\$	97.53	\$	88.83	\$	57.37			
DIRECT LABOR COSTS	\$	2,232.00	\$	6,003.71	\$		\$	1,512.07	\$	4,303.68	\$	1,556.51	\$	15,607.97	
TOTAL	\$	2,232.00	\$	6,003.71	\$	- 3	\$	1,512.07	\$	4,303.68	\$	1,556.51	\$	15,607.97	
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON FEE)	1	4.30%		38.47%		0.00%		9.69%	9	27.57%		9.97%		100.00%	
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON MANHOURS)	7	7.56%		24.74%		0.00%		11.00%	1	34.36%	7	19.24%		97%	

DETAILED FEE SCHEDULE

Hachar Roadway - Reuthinger Tract Portion

PHASE I - ADVANCED PROJECT DEVELOPMENT SERVICES

Provide Advanced Project Development Services, Develop Separate Schematic, Environmental Assessment, Public Involvement, Drainage Studies, Culvert Sizing for Reuthinger Section of Hachar Roadway

from Approximately 0.1 miles east of Beltway Parkway to I-35 west frontage road

	PHAS	E I - PUBLIC INVOLV	/EMENT					
BASIC SERVICES TASK DESCRIPTION	Senior PM	Senior Engineer Civil	Senior Engineer Bridge	Senior Engineer Tech	Senior CADD Operator	Clerical	Total Labor Hrs.	Total Labor Hrs.
TOTAL DANNENBAUM DIRECT EXPENSES (FROM BELOW)								\$
DIRECT EXPENSES								
PLOTS (B/W ON BOND) \$1.00/LINEAR FOOT (75 FT/PLOT x 5 PLOTS)								\$
PLOTS (COLOR ON BOND) \$2.00/LINEAR FOOT (75 FT/PLOT x10 PLOTS)								\$
COLOR GRAPHICS ON FOAM BOARD (\$5.00/SF) (3'x6'x 10 Ea)								\$
CAR RENTAL - \$90 / TRIP X 10 TRIP								\$
PER DIEM - \$121 /NIGHT STAY X 2 PERSON X 5 NIGHT (\$85 hotel/\$36 meals)								\$
DELIVERY SERVICES - \$50 / PACKAGE X 10 PACKAGES	142							\$
MILEAGE 10 TRIP x 286 MI / TRIP @ \$0.565/mile								\$
TOTAL DIRECT EXPENSES								\$
							Booking of the Control of the	
ASSUMPTIONS								
1. Set 14 Aerial Targets								
2. Roadway is designed as Asphalt Road with open ditches, cross culverts only								
Number of outfalls = 3 culverts. An increase; then increase will be handled as separate Work Authorization								
Detention Pond design is not included, if rquired, will be handled as a separate Work Authorization								
Detention Pond design is not included, if rquired, will be handled as a separate Work Authorization								
6. No FEMA Submittals								
 No LOMR (FEMA-Letter of Map Revision) or CLOMR (FEMA-Conditional Letter of Map Revision) Included. Will be handled as separate Work Authorizations 								
8. No Roadway Drainage	21 To X							

DETAILED FEE SCHEDULE

Hachar Roadway - Reuthinger Tract Portion

PHASE I - ADVANCED PROJECT DEVELOPMENT SERVICES

Provide Advanced Project Development Services, Develop Separate Schematic, Environmental Assessment, Public Involvement, Drainage Studies, Culvert Sizing for Reuthinger Section of Hachar Roadway

from Approximately 0.1 miles east of Beltway Parkway to I-35 west frontage road

PHASE I - DRAINAGE IMPACT ANALYSIS

BASIC SERVICES (FC 161) PRELIMINARY HYDROLOGIC ANALYSIS TASK DESCRIPTION		Senior Engineer	Pro	oject Engineer	Senior Engineer Tech		Senior CADD Operator		Clerical	Total Labor Hrs.		Task Cost
DRAINAGE IMPACT ANALYSIS				11.92			14. 150					
DATA COLLECTION/ SITE VISITS		0.9690		3.8759						4.84	\$	692.13
FEMA COORDINATION		1.9379		3.8759		T			1.9379	7.75	\$	1,006.21
COMPUTE ON-SITE DRAINAGE AREAS		1.9379	9	14.5345			14.5345			31.01	\$	3,531.46
COMPUTE ON-SITE PEAK FLOWS FOR EXISTING CONDITIONS		0.9690		14.5345			7.7518	T pr		23.26	\$	2,726.06
COMPUTE ON-SITE PEAK FLOWS FOR PROPOSED CONDITIONS		0.9690		14.5345			7.7518			23.26	\$	2,726.06
DEVELOP RUNOFF HYDROGRAPH FOR EXISTING AND PROPOSED CONDITIONS		1.9379		14.5346		T			7	16.47	\$	2,240.37
COMPUTE PRELIMINARY DETENTION STORAGE BASED ON HYDROGRAPH DIFFERENCES		1.9379		14.5346				135		16.47	\$	2,240.37
SELECT DETENTION LOCATION AND SIZE BASED ON PRELIMINARY DETENTION STORAGE		1.9379		8.7208		200				10.66	\$	1,506.56
DEVELOP ADDENDUM TO BE ADDED TO CITY DRAINAGE STUDY (HACHAR PORTION)	5.	3.8759		13.5656		T	6.7828		5.8138	30.04	\$	3,459.96
SUB-TOTAL - DRAINAGE IMPACT ANALYSIS		16.4724		102.7109	0.0000		36.8209		7.7517	164.0000	\$	20,129.18
DIRECT EXPENSES												
TOTAL - INCLUDING DIRECT EXPENSES												
HOURS SUB-TOTALS		16		103	0		37		8	164		COLUMN TENNA TO COMMON
LABOR RATE PER HOUR	\$	209.41	\$	126.22	\$ 97.53	\$	88.83	\$	57.37			
DIRECT LABOR COSTS	\$	3,449.49	\$	12,964.17	\$ -	\$	3,270.80	\$	444.72	\$ 20,129.18		
TOTAL	\$	3,449.49	\$	12,964.17	\$ · · · · · · · · · · · · · · · · · · ·	\$	3,270.80	\$	444.72	\$ 20,129.18		
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON FEE)		17.14%	4.04	64.40%	0.00%	-	16.25%		2.21%	100.00%	_	CHECK
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON MANHOURS)	1	10.04%	614	62.63%	0.00%	+	22.45%		4.73%	100.00%	4	20,129.18
DIRECT EXPENSES				3210070	310070	_	-A.TV /0		-11 0 /0	100.0076	-	20,129.10
CAR RENTAL - \$90 / TRIP X 3 TRIP												

PER DIEM - \$121 /NIGHT STAY X 2 PERSON X 3 NIGHT (\$85 hotel/\$36 meals)

TOTAL DIRECT EXPENSES

ASSUMPTIONS:

- 1. Number of outfalls 3 = culverts, 1 bridge. If number of outfalls increase; then increase will be handled as separate work authorization
- 2. Detention Pond design is not included, if rquired, will be handled as a separate Work Authorization
- 3. No LOMAR or CLOMER Included. Will be handled as separate Work Authorizations

DETAILED FEE SCHEDULE

Hachar Roadway - Reuthinger Tract Portion

PHASE I - ADVANCED PROJECT DEVELOPMENT SERVICES

from Approximately 0.1 miles east of Beltway Parkway to I-35 west frontage road

PHASE I - ENVIRONMENTAL SERVICES

				Ama Terr	ra Environmental, i	Inc.								
SPECIAL SERVICES (FC 120) ENVIRONMENTAL SERVICES TASK DESCRIPTION	Principal	Program Director	Project Manager	Env Spec IV	Env Spec III	Historian V	Historian III	Sr. Arch Principal Investigator	Project Archeologist	Field Crew	GIS	Administration / Clerical	TOTAL LABOR HOURS	Task Cost
III. SOCIAL, ECONOMIC AND EVIRONMENTAL STUDIES AND PUBLIC INVOLVEMENT														
FC 145 - PROJECT MANAGEMENT					 	-						-	0	•
PROJECT MANAGEMENT AND DOCUMENT PREPARATION	2		8									- 8	18	\$ 2,304.00
COORDINATION WITH TXDOT													0	\$ -
CONTRACT ADMINISTRATION TEAM MEETING IN LAREDO (FIVE MEETINGS)	2			24								8	10	\$ 1,168.00 \$ 3,264.00
SUBTOTALS	4	0	8	24	0	0	0	0	0	0	0	16	52	\$ 3,264.00 \$ 6,736.00
FC 145 - PROJECT MANAGEMENT TOTAL COST & MANHOUR SUMMARY							10 To	HT. 12 C 7 S 1	The Late of the La		S. S. C. H. C. S.			
TOTAL LABOR RATE PER HOUR	\$ 232.00	\$ 164.00	\$ 142.00	\$ 136.00	\$ 114.00	\$ 147.00	\$ 118.00	\$ 136.00	\$ 91.00	\$ 77.00	\$ 70,00	\$ 88,00		
TOTAL LABOR HOURS	4	0	8	24	0	0	0	0	0	0	0	16	52	
TOTAL DIRECT LABOR COSTS	\$ 928.00	\$ -	\$ 1,136.00	\$ 3,264.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,408.00	\$ 6,736.00	CHECK
FC 120 - SOCIAL, ECONOMIC AND EVIRONMENTAL STUDIES AND PUBLIC INVOLVEMENT														
EA PREPARATION				-				-		-			0	\$ -
PRELIMINARY REPORT PREP/COMMENT RESPONSE				10.00					SC 22				0	\$ -
EXHIBITS/FIGURES/COORDINATION (figures provided by dannenebaum) PERMIT IDENTIFICATION (ACTUAL PERMITS NOT INCLUDED)				10000									0	\$ -
GIS/GRAPHICS (figures provided by Dannenbaum)				-	-		-		-	-		-	0	\$ -
DRAFT REPORT PREP/COMMENT RESPONSE			59 T	10.00							-	-	0	\$ -
FINAL REPORT PREP/COMMENT RESPONSE	3.			10.00									0	\$ -
11-PAGE TXDOT FORM				-						120			0	\$ -
DRAFT ENV. DECISION DOCUMENT FINAL ENV. DECISION DOCUMENT		-		-				-	-				0	\$ -
QUALITY ASSURANCE/QUALITY CONTROL													0	\$ -
SOCIAL, ECONOMIC, AND ENVIRONMENTAL STUDIES													0	\$ -
EXISTING FIELD DATA REVIEW NEED AND PURPOSE				4				-	-			-	4	\$ 544.00
PAST REPORT REVIEW				-	-		-	 			-		0	\$ - \$ -
TRAFFIC AND CRASH DATA REVIEW/ANALYSIS									11 19				0	\$ -
DOCUMENTATION ALTERNATIVES ANALYSIS (by dannenbaum)				-				-				-	0	\$ -
PLANNING DOCUMENTS, STIP, MTP, FUNDING REVIEW (by dannenbaum)				-		-	-		-				0	\$ -
ALTERNATIVES DEVELOPMENT WRITE-UP & DESCRIPTIONS (by dannenbaum)			420										0	\$ -
SOCIOECONOMIC REVIEW OF EXISTING INFORMATION				-						2000			0	\$ -
FIELD DATA COLLECTION / WINDSHIELD SURVEY ONLY POPULATION AND EJ ANALYSIS				2			2-0-2-05	-				-	2	\$ 272.00 \$ 272.00
EMPLOYMENT, TAX, AND BUSINESS EFFECTS		44477	100 To 10	4			P. 15.1			TV 18 C. 1		-	4	\$ 544.00
COMMUNITY AND RESIDENTIAL DISPLACEMENTS AND EFFECTS				1	1								1	\$ 136.00
LAND USE AND DEVELOPMENT REVIEW AIR QUALITY				2									2	\$ 272.00
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PREDCITED SOUND LEVELS AT UNDEVELOPED LANDS PREPARE NOISE IMPACT ASSESSMENT													0	\$ -
QA/QC BIOLOGICAL AND WATER RESOURCES													0	\$ -
FIELD SURVEY				-			-		-	-	-	-	0	\$ -
Wetland Delineation					6								6	\$ 684.00
Threatened and Endangered Species Habitat Survey					6								6	\$ 684.00
WATER RESOURCES TECHNICAL REPORT BIOLOGICAL EVALUATION FORM AND TIER I ASSESSMENT FORMS				3.	6	1	-	-			2	-	6	\$ 684.00 \$ 824.00
SOILS AND FARMLANDS review					2	100	-						2	\$ 228.00
GEOLOGY review					2								2	\$ 228.00
CULTURAL & HISTORICAL RESOURCES Archeology Background Studies, Permit Application				-			-	2	10				0	\$ -
Archaeology Field Survey				-	-	-	 	16	32	64	-	-	112	\$ 1,182.00 \$ 10,016.00
Archeology Draft and Final Reports								24	32				56	\$ 6,176.00
Historic Resources PCR Historic Resources Research Design						-	6	-			2	1	7	\$ 700.00
Historic Resources Field Survey							8	-			2	1 1	9	\$ 936.00 \$ 1,102.00
Historic Resources Draft and Final Reports		100					12				1	1	14	\$ 1,574.00
SECTION 4(F)/6(F) ANALYSIS AND COORD.										0			0	\$ -

AZ&B will develop summary of public meeting and responses to comments Provide two staff members to attend one Public Meeting and one Public Hearing Make arrangements for public meeting (Dannenbaum) Compile and maintain mailing list (Dannenbaum) Develop public involvement plan - jointly developed Public Involvement scilvities: AZ&B will prepare materials for environmental impacts of public meeting. Dannenbaum will provide roadway & technical info Develop letters or other materials for seeking right of entry (Dannenbaum) Obtain right of entry to perform environmental services (Dannenbaum) Services not provided include NOME or NOT INCLUDED. Dannenbarm will develop tracks as destribed in the summary of hours and in this section Environmental Services to Be Performed as summarized in the summary of hours.

Cultural Resources

not include the development of a Stormwater Pollution Prevention Plan (SWPPP) endangered species at the request of resource agency consultations. This scope of work does not include a hydrologic model or letter of map revision (LOMR) endangered species at the request of resource agency consultations. This scope of work does not include a pre-neating bird survey prior to construction. This scope of work does not include a pre-neating bird survey prior to construction. This scope of work does not include a pre-neating bird survey prior to construction. the Matorwide Permit 14 will be required for impacts to waters of the U.S. This scope of work does not include presence absence surveys for threatened and It is assumed that one survey will be scheduled and conducted. This scope of work does not include USACE 404 permitting. It is assumed that permitting under

Natural Resources

Data collection to consist of one site visits to collect data (includes meetings with TXDOT to obtain copies of Feasibility Study, EA, CE, DCIS, review TXDOT project file). It is assumed that the prime consultant will provide at list of adjacent property owners, obtain and provide ROE for all necessary environmental field surveys.

Literature Review and Secondary Data Collection

attendance by one Subconsultant staff, once a week for project duration. Document American December 2 and a second of the property of t

Management and Coordination

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Field Survey to be conducted

Field Surveys and Environmental Investigations

Existing field surveys will be reviewed for the proposed new right of way and additional buffer area for survey is no greater than 400 feet in width.

Alternatives

Assume no build and widening the roadway with two options at the northeastern portion of the project as depicted in August conceptual map of project

Public Involvement:

Dannenbaum will arrange public meetings and hearings. AZ&B will provide technical support at public meetings and hearings (up to 4 meetings). AZ&B will prepare technical exhibits for public hearing/meetings related to environmental issues. One professional of the Subconsultant will attend one public meeting and one public hearing. Each is assumed to require 18 hours per meeting/hearing for travel, attendance, and related coordination. Subconsultant will not be responsible for the preparation of any materials for display or presentation at the meetings, other than contract deliverables.

Air Quality:

Air Quality Analysis includes a qualitative Mobile Source Air Toxics (MSAT) analysis. MSAT quantitative analysis is not included in this scope.

Noise:

The prime shall provide the latest aerial maps, topography files, contour data, hourly volumes (if available), truck percentage, and information on permitted developments (if any). The prime shall provide future hourly volumes, truck percentage by roadway facility, roadway profiles, alignment, finished grades, and cross sections. The prime shall provide ground elevation of the proposed barrier. Field noise measurement is not included in this scope and contract.

Hazardous Materials/Phase I ESA

No detailed legal descriptions of property boundaries will be utilized. No interior inspections of structures will be completed. Historic land use will be limited to review of serial photography. It is assumed landowners will not be potentially impacted by the project and no interviews will be conducted by members of the project team. Only sites of environmental concern within the ASTM Standard search distances for the project area will be reviewed. Asbestos was banned in most friable building materials (spray-applied surfacing materials and thermal system insulation) in 1978. Physical inspection of the interior of buildings or the identification of asbestos containing materials will not be conducted. The scope of work does not include air, surface water, groundwater, lead based paint, or polychlorinated biphenyl (PCB) sample collection or testing, nor does it include a title search.

Socioeconomics

Only windshield surveys will be conducted. No door-to-door, mailer, or phone surveys will be conducted to obtain information from residence or business owners.

tion 4(f) Evaluation

This scope and contract includes necessary coordination, analysis, and documentation related to a de minimis finding only. No avoidance alternatives development or analysis, or Section 4(f) statement preparation is included.

Environmental Decision Document:

The Subconsultant shall prepare a draft environmental decision document for review by ENV and a final environmental decision document for approval by FHWA. The decision document will succinctly summarize the prime aspects of the project that influence FHWA's environmental decision. At a minimum the decision document shall include a brief description of the project (including project location and termini), a summary of the Need and Purpose statement, an explanation of why the preferred alternative was chosen over the no build alternative studied, a listing of anticipated impacts from the preferred alternative, a summary of all the proposed mitigation actions (if any) for the project impacts, and a justification as to why the impacts of the project are not considered significant. The environmental decision document shall be prepared in accordance with the February 20, 2009 memorandum from the FHWA Texas Division. One hardy copy deliverable will be submitted to copy document and provide copies to stakeholders, agencies, client, etc.

Deliverables:

The Subconsultant shall conduct an internal qualify assurance and qualify control review on each deliverable before it is submitted to the County/State for review. After the draft deliverables are submitted and reviewed by TXDOT, the Subconsultant shall review and resubmit the deliverables to address all comments received from Environmental Affairs Division, TXDOT Laredo District and the Federal Highway Administration.

Assume classification letter results in Environmental Assessment document and project obtains FONSI,

Copies of the Draft and Final Environmental Assessment for FHWA review will be printed double sided. Subconsultant is not responsible for distribution/mailing of Draft or Final Environmental Assessments.

Archeological studies:
erform archeological background studies
Perform archeological background studies
Perform an archeological reconnaissance survey
Perform an archeological intensive survey
Identify Native American tribes for consultation
Identify and seek the views of consulting parties (NOT INCLUDED)
Identify and seek the views of local historical and archeological societies, county historical commissioners, and other individuals or organizations (NOT INCLUDED)
Perform early coordination with the State Historic Preservation Officer (SHPO)
Historic Resource Studies: Consultant will prepare the Pre-coordination Request (PCR) form
Reconnaissance Survey
Intensive Survey (NOT INCLUDED)
Perform visual impact studies
Perform construction impact studies
Perform Section 4(f) evaluations
Perform services as summarized in the summary of hours above
Alternatives to be considered:
A. No build
B. Widening along the existing corridor

EXHIBITS

Subprovider Monitoring System

Commitment Worksheet

Contract #: CSJ: 0922-33-166

Assigned Goal: 0% Federally Funded X

County Funded

Prime Provider: <u>Dannenbaum Engineering Corporation</u> Total Contract Amount:

\$298,282.04

Prime Provider Info: DBE N/A HUB N/A Both N/A

Vendor ID #:

(First 11 Digits Only)

DBE/HUB Expiration Date:

If no subproviders are used on this contract, please indicate by placing "N/A" on the 1st line under Subproviders.

Subprovider(s) (List All)	Type of Work	Vendor ID# (First 11 Digits Only)	D=DBE H=HUB	Expiration Date	\$ Amount or % of Work *
Aerial Data Service, Inc.	Field Surveying	17309543449	N/A	N/A	\$20,000.00
Gilpin Engineering Company	Surveying Services	42-1575769	N/A	N/A	\$22,722.60
Amaterra Environmental, Inc.	Environmental Services	14539677063	N/A	N/A	\$56,590.00
					7
Subprovider(s) Contract or %	% of Work* Totals				N/A

*For Work	Authorization Contracts.	indicate the % of wor	k to be performed by	each subprovider.

Total DBE or HUB Commitment Dollars

N/A

Total DBE or HUB Commitment Percentages of Contract N/A

(Commitment Dollars and Percentages are for Subproviders only)

12/06 DBEH1.AT

Subprovider Monitoring System Commitment Agreement

This commitment agreement is subject to the award and receipt of a signed contract from Webb County. NOTE: Exhibit H-2 is required to be attached to each contract that does not include work authorizations. Exhibit H-2 is required to be attached with each work authorization. Exhibit H-2 is also required to be attached to each supplemental work authorization. If DBE/HUB Subproviders are used, the form must be completed and signed. If no DBE/HUB Subproviders are used, indicate with "N/A" on this line: ______ and attach with the work authorization or supplemental work authorization.

Date:

SWA Amount:

Dannenbaum Engineering Corporation

Assigned Goal: 0% Prime Provider

WA Amount: \$

Supplemental Work Authorization (SWA) #: _____ to WA #:

Contract #: CSJ: 0922-33-166

Work Authorization (WA)#:

Description of Work (List by category of work or task description. Attach addit necessary.)	ional pages, if		Dollar Amount ory of work or task descriptio shown.)
Total Commitment Amount (Including all additional	al pages.)		
IMPORTANT: The signatures of the prime and the DBE/HUB the total commitment amount must always be on the same page.	and Second Tie	r Subprovider, if any (b	oth DBE and Non-DBE) and
Provider Name: Dannenbaum Engineering Corporation Address: 1109 West Nolana Avenue, Suite 208, McAllen, Tx 78504 Phone # & Fax #: PH: (956)682-3677; FX: (956)686-1822	Name:	James D. Dannenbar (Please P President D Danlan, P.	rint)
Email: jim.dannenbaum@dannenbaum.com	- Jam	Signature	Date
<u>DBE</u> /HUB Sub Provider Subprovider Name:	Name:	(Please H	Print)
VID Number: Address:	Title:		
Phone # & Fax #: PH: ; FX: Email:		Signature	Date
Second Tier Sub Provider Subprovider Name:	Name:	(Please F	Print)
VID Number:		· · · · · · · · · · · · · · · · · · ·	
Address:			
Phone #& Fax #:		Signature	Date

owner's Social Security or their Federal Employee Identification Number (if incorporated).

Subprovider Monitoring System for Federally Funded Contracts Progress Assessment Report for month of (Mo./Yr.)

Contract #: <u>CSJ: 0922-33-166</u>			Original Contract Amount:		\$298,282.04			
Date	of Execution:			App	roved Suppl	emental Agreem	nents:	\$0.00
Prime	Provider: <u>Danne</u>	nbaum Engineering Corporation	<u>1</u>	Tota	l Contract A	mount:	\$29	98,282.04
	Authorization No.: subproviders are used on this	contract, please indicate by placing "	N/A" on the 1			tion Amount:	\$29	98,282.04
DBE	All Subproviders	Category of Work		Total Subprovider Amount	% Total Contract Amount	Amount <u>Paid</u> This Period	Amount <u>Paid</u> To Date	Subcontract Balance Remaining
X	Aerial Data Service, Inc,	Field Surveying-Aerial		\$20,000.00	6.71			
	Gilpin Engineering Company	Surveying Services		\$22,722.60	7.62			
Χ	Ama Terra Environmental, Inc.	Environmental Services		\$56,590.00	18.97			
	*							
		-5.						77.8
1 C 1 C I he			ubmitted, for	all subcontracts	, and forward	l as follows:		
Pri	nt Name - Company Official		Signature]	Phone	Date	9
Em	ail					Fax		

Page 1 of 1

Exhibit H-3

12/06 DBE-H3.ATT

Federal Subprovider and Supplier Information

The Provider shall indicate below the name, address and phone number of all successful and unsuccessful subproviders and/or suppliers that provided proposals/quotes for this contract prior to execution. You may reproduce this form if additional space is needed.

Name	Address	Phone Number
Aerial Data Service, Inc,	8301 E. 51ST Street, Suite 100, Tulsa, OK 74145	866-545-4166
Gilpin Engineering Company	101 E Hillside Rd, Laredo, TX 78041	956-753-2210
AmaTerra Environmental, Inc.	11842 Rim Rock Trail, Austin, Texas 78737	512-329-0031

X Jan & Dalum, PE, Signature	idd @dannenbaum.com	22/19
James D. Dannenbaum, P.E., President	iim.dannenbaum@dannenbaum.com	956-682-3677
Printed Name	Email	Phone #

The information must be provided and returned with the contract.

MARGIE RAMIREZ IBARRA 5:05.
COUNTY CLERK, WEBB COUNTY, TEXAS
BY DEPUTY