CONTRACT FOR ENGINEERING SERVICES SUPPLEMENTAL AGREEMENT NO. 2 to the MAIN CONTRACT

THIS SUPPLEMENTAL AGREEMENT to contract for engineering services is made by and between the County of Webb (County), and Dannenbaum Engineering Corporation (the Engineer) and becomes effective when fully executed by both parties.

BACKGROUND

The Engineer will provide engineering services for phase I-advanced project development services including but not limited to schematics; environmental assessment; public involvement; value engineering; draining studies; culvert sizing studies; surveying topo / aerial flights; utilizing investigations (Level A, B, C, D); utility special services.

The changes to the scope of services to be provided by the Engineer for Environmental Services that were approved through Supplemental Agreement No. 1 to the Main Contract resulted in a net zero (no change) to the Engineer's fee for performance of these services.

Attachment E-4, Fee Schedule Revised (2/25/14) that was approved as part of the Supplemental Agreement No. 1 to Main Contract included a clerical error that deducted \$4.69 from the Environmental Services total specifically for services to be provided by Arredondo, Zepeda & Brunz, LLC for Special Services (FC 120).

AGREEMENT

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

ARTICLE 3. COMPENSATION.

The original Basis of Payment in the Main Contract is amended by this Supplemental Agreement No. 2 to include the changes in the fee schedule activities as outlined in Attachment E-4 Revised (9/4/2014) Detailed Fee Schedule and reflect the changes to scope of work that were approved through Supplemental Agreement No. 1 to the Main Contract. Additionally, the correction to the clerical error of \$4.69 that affected the total cost of services to be provided by Arredondo, Zepeda & 'Brunz, LLC has been made to Attachment E-4 Revised (9/4/2014), ensuring that the changes of scope have a net zero (no change) effect on the Engineer's fee.

All other provisions 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
my	
(Signature)	(Signature)
Louis H. Jones Jr. PE. (Printed Name)	(Printed Name)
Trincipa ((Title)
//29//5 (Date)	(Date)

LIST OF ATTACHMENTS:

Attachment E-4, Revised (9/4/2014)

MAXIMUM AMOUNT PAYABLE

LOOP 20 STIMULUS PROJECT (CSJ: 0086-14-058)

PHASE I - ADVANCED PROJECT DEVELOPMENT SERVICES

Provide Advanced Project Development Services, Develop Separate Schematic, Environmental Assessment, Public Involvement, Various Traffic Studies/Warrants; Illumination Study, Value Engineering, Drainage Studies, Culvert Sizing and Surveying Topo/Aerial Flight, Utility Investigations (Quality Level A, B, C & D), for Extension of Loop 20 from Approximately STA 554+00 to just North of the Loop 20 / US 59 Overpass.

Arredondo, Zepeda & Brunz, LLC

PHASE I

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SPECIAL SERVICES (FC 120)	Brolost	Brolost		Scientist	Scientist	Scientist	Scientist	Civil Engineer	Civil Engineer	CADD	Administration/	Total LABOR	
ENVIRONMENTAL SERVICES	Project Engineer (IV)	Project Engineer (IV)	Civil Englneer	(Community	(Enviromental	(Enviromental	(Haz. Material	(Air Quality)	(Noise	Technician	Clerical	HOURS	Task Cost
TASK DESCRIPTION	Engineer (IV)	Linguiseer (1V)		Impact)	Review)	Review)	Review)	(in duality)	Analyses)				
											<u> </u>		
III. SOCIAL, ECONOMIC AND EVIRONMENTAL STUDIES AND PUBLIC INVOLVEMENT			· -	- -			1						
FC 120 - SOCIAL, ECONOMIC AND EVIRONMENTAL STUDIES AND PUBLIC INVOLVEMENT					·] '
PREPARE ENVIRONMENTAL REPORT - ENVIRONMENTAL ASSESSMENT, ENVIRONMENTAL IMPACT STATEMENT	•			:									
CONDUCT PUBLIC INVOLVEMENT													
CONDUCT CULTURAL RESOURCE INVESTIGATION (NOT INCLUDED)													
CONDUCT HAZARDOUS MATERIALS INVESTIGATION/REVIEW OF EXISTING INFORMATION													4
CONDUCT NOISE AND AIR QUALITY ANALYSIS			-										4
CONDUCT ECOLOGICAL INVESTIGATION/REVIEW OF EXISTING INFORMATION				<u> </u>			,						4
CONDUCT SOCIAL-ECONOMIC INVESTIGATION/REVIEW OF EXISTING INFORMATION	<u> </u>						<u> </u>		-		· ·		4
****LOOP 20 ENVIRONMENTAL DOCUMENTS PRODUCED IN THE PAST IS THE EXISTING INFORMATION TO BE REVIEW!	ED						ļ						4
PROJECT MANAGEMENT									 '		- 2	40	\$ 5,545.0
PROJECT MANAGEMENT AND DOCUMENT PREPARATION	30	8					 	<u></u>			 	40	\$ 5,694.8
AZB COORDINATION	32	8		 		···						38	\$ 5,410.0
COORDINATION WITH AMATERRA, TXDOT STAFF	30	8	ļ <u>.</u>				1				0	40	\$ 5,694.8
CONTRACT ADMINISTRATION	40	0									 	24	\$ 3,416.8
TEAM MEETING IN LAREDO (THREE MEETINGS)		 	 	:			†				1	0	1\$
PRELIMINARY REPORT PREP/COMMENT RESPONSE	8	40		16			1				0	64	\$ 9,111.6
	4	16						1		20		40	\$ 4,906.8
EXHIBITS/FIGURES/COORDINATION	7 0	10			20							20	\$ 2,847.4
PERMIT IDENTIFICATION (ACTUAL PERMITS NOT INCLUDED)	1 0			•						20	•	20	\$ 2,059.4
GIS/GRAPHICS	2	30		20							0	52	\$ 7,403.2
DRAFT REPORT PREP/COMMENT RESPONSE FINAL REPORT PREP/COMMENT RESPONSE	2	20		10							0	32	\$ 4,555.8
11-PAGE TXDOT FORM	0	0			• •		† - ·				0	0	1\$ -
DRAFT ENV. DECISION DOCUMENT	0	0									0	0	1\$ -
FINAL ENV. DECISION DOCUMENT	0	0				·-	<u> </u>				0	0	1\$ -
QUALITY ASSURANCE/QUALITY CONTROL	0	0	*** ****								0	0]\$ -
SOCIAL, ECONOMIC, AND ENVIRONMENTAL STUDIES	 					-						0	\$ -
EXISTING FIELD DATA REVIEW	0	10		5			5					20	\$ 2,847.4
NEED AND PURPOSE	0	6										6 .	\$ 854.2
PAST REPORT REVIEW		8										8	\$ 1,138.9
TRAFFIC AND CRASH DATA REVIEW/ANALYSIS		0				<u> </u>						Ö	-
DOCUMENTATION		0									0	0	_ \$
ALTERNATIVES ANALYSIS		0		Q			0				0	0	_ \$
PLANNING DOCUMENTS, STIP, MTP, FUNDING REVIEW		0										0	1\$ -
ALTERNATIVES DEVELOPMENT WRITE-UP & DESCRIPTIONS		0										0	. \$
SOCIOECONOMIC REVIEW OF EXISTING INFORMATION	0	0										0	\$ 4,000 4
FIELD DATA COLLECTION / WINDSHIELD SURVEY ONLY (ONE VISIT)				14	,							14	\$ 1,993.1
POPULATION AND EJ ANALYSIS	4	0		36						8		48	\$ 6,518.5 \$ 2,847.4
EMPLOYMENT, TAX, AND BUSINESS EFFECTS	4	0		16								20	\$ 2,047.4
COMMUNITY AND RESIDENTIAL DISPLACEMENTS AND EFFECTS	4	0		24						0		28	\$ 3,986.3
LAND USE AND DEVELOPMENT REVIEW (DOCUMENTS PROVIDED BY DANNENBAUM)	4	0	·	24				00		U		82	\$ 11,038.3
AIR QUALITY	2	0						80				82	1,000.0
NOISE						 	1		40	0		40	\$ 5,376.8
EXISITING CONDITIONS TRAFFIC NOISE MODELING	+	ļ -	 						40	0		40	\$ 5,376.8
DESIGN YEARCONDITIONS TRAFFIC NOISE MODELING	+	<u> </u>	 				1		24	0	 	24	\$ 3,226.0
BARRIER ANALYSIS			· 		·	· · · · · · · · · · · · · · · · · · ·	1		24	0	 	2	\$ 268.8
PREDCITED SOUND LEVELS AT UNDEVELOPED LANDS		0	· ·				<u> </u>	1	8	0	0	8	\$ 1,075.3
PREPARE NOISE IMPACT ASSESSMENT	 	8	 				1				1	10	\$ 1,423.7
QA/QC BIOLOGICAL AND WATER RESOURCES (review of existing environmental documents)		 					1					0	\$
FIELD SURVEY (REVIEW PREVIOUS SURVEYS ONLY)		 	4		80	0	24	<u> </u>				116	\$ 16,483.1
	l 8	1 1)										1	T
	8 2	0 4			30	4						40	
REVIEW SUMMARY	8 2	4	-				-			8		40 10	
	2	 	7							8		· · · · · · · · · · · · · · · · · · ·	\$ 5,694.8 \$ 1,108.5 \$ 854.2

						<u> </u>							· .
SPECIAL SERVICES (FC 120) ENVIRONMENTAL SERVICES	Project Engineer (IV)	Project Engineer (IV)	Civil Engineer	Scientist (Community	Scientist (Enviromental	Scientist (Enviromental Review)	Scientist (Haz. Material Review)	Civil Engineer (Air Quality)	Civil Engineer (Noise Analyses)	CADD Technician	Administration/ Clerical	Total LABOR HOURS	Task Cost
TASK DESCRIPTION				Impact)	Review)	(Review)	(Ceview)		Allalyses				¢
SECTION 4(F)/6(F) ANALYSIS AND COORD.	0	0 4	8	0	 		 	4		0		· 0 20	\$ 2,752.00
CONSTRUCTION IMPACTS HAZARDOUS MATERIALS REVIEW	· · · · · · · · · · · · · · · · · · ·	0	<u> </u>	1								0	\$ -
ENVIRONMENTAL RECORDS REVIEW				1			16					16	\$ 2,277.92
SITE VISIT				:			8 20					8 20	\$ 1,138.96 \$ 2,847.40
ADJACENT LAND USE INTERVIEWS							0					0	\$ -
REPORT PREP/COMMENT RESPONSE		· · ·					12				0 .	12	\$ 1,708.44
INDIRECT AND CUMULATIVE IMPACTS	0	0		0						0	· · · · · · · · · · · · · · · · · · ·	0 4	\$ - \$ 569.48
REVIEW PLANNING DOCUMENTS		8	 	<u> </u>								8	\$ 1,138.96
PREPARE MPO/CITY QUESTIONNAIRE MEETING WITH MPO AND CITY	4	4			1.							8	\$ 1,138.96
COLLECT DATA, DOCUMENT, AND SUMMARIZE MEETINGS	4	8									-	12	\$ 1,708.44 \$ 569.48
MPO/CITY FOLLOW-UP		8	 								-	4 8	\$ 1,138.96
REVIEW RESOURCE IMPACTS PREVIOUSLY PREPARED DOCUMENTATION		16	 								0	16	\$ 2,277.92
GRAPHICS	4	4								0		8	\$ 1,138.96 \$ 1,138.96
PUBLIC INVOLVEMENT	0	8					<u> </u>	<u> </u>	<u>:-</u> _	0		8	φ 1,130,96
Tudi — Turi Brahin Pro Lua Saada a Prinsinian don'i Ano Public Pro a vesci	건설상	257	T .	160	(30)	4	[]			1/1/1	, , , , , , , , , , , , , , , , , , ,		
HOURS SUB-TOTALS	214	242	. 12	169	130	4	. 85	84	114	56	2	1,112	
LABOR RATE PER HOUR	\$ 142.37						1/12/07/					4	
DIRECT LABOR COSTS	\$ 30,467.18	· · · · · · · · · · · · · · · · · · ·		\$ 24,060.53 \$ 24,060.53	\$ 18,508.10 \$ 18,508.10		\$ 12,101.45 \$ 12,101.45	\$ 11,291.28 \$ 11,291.28		\$ 5,766.32 \$ 5,766.32			
TOTAL	\$ 30,467.18	\$ 34,453.54	\$ 1,613.04	β 24,000.53	\$ 10,008.10	\$ 309.40	φ 12,101.45	μ 11,251.20	\$ 10,020.00	ψ 5,100.32	104.551	V 10-3200110	
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON FEE)	19.75%	22.33%	1.05%	15.59%	12.00%	0.37%	7.84%	7.32%	9,93%	3.74%	0.09%	100.00%	CHECK
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON MANHOURS)	19.24%	21.76%	1.08%	15.20%	11.69%	0.36%	7.64%	7.55%	10.25%	5.04%	0.18%	100.00%	.6 .4.3ed 47
	Rate	Unit	Amount									traecheriaide	
DIRECT EXPENSES 81/2X11 copies (color) by dannenbaum	\$ -	each	2,680	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1									\$
81/2X11 copies (b/w) by dannenbaum	\$ -	each	19,500										\$
11X17 copies (color) by dannenbaum	\$.	each each	3,900		The New Conference Walk								\$ - \$ -
11X17 copies (b/w) Mileage (8 RT)	\$ 0.52		250										\$ 130.00
Air Travel	\$ 600,00	Each	6										\$ 3,600.00
Hotel	\$ 82.00		6										\$ 492.00 \$ 561.00
Per Diem	\$ 51,00 \$ 65.00		11 11							Paragraphic States			\$ 715.00
Rental Car Fuel for Rental Car		gallons	100	The second secon						See Sup View Symposius	31-14-11-13		\$ 375.00
Overnight Carrier Cost (Letter Size)	\$ 22.00		20										\$ 440.00 \$ 300.00
Overnight Carrier Cost (Oversized Box)	\$ 300.00	each each	1.										\$ 300.00 \$ 1,200.00
Hazmat Database Search GPS Daily Use Fee	\$ 1,200.00 \$	dav	0	71 Y X 21 X	7 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1								\$ -
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Field Supplies (lathes/paint/flagging)	\$	day	0										\$ - \$ 23.53
CDS TOTAL DIRECT EXPENSES] \$	leach.] 0				. I of Note 1866 as the Architecture Note that the Control of the Control	 Type of a udvitofit of d Type of a udvitofit of d 					\$ 7,836.53
TOTAL DIRECT EAR ENGES	######################################	, Catalogy (I) (1997) - 17 (1997)	(1.376) (3.167) (1.164) (3.5 m.) (85) (1.16	elin; 5050 .¥ XhoXH485, 5 <u>81 elie</u>	ang teorings, seria paganasag sanagagag	n je kolonity sekindrija.	<u> </u>	2002 100 0 100 0 1					
TOTAL ENVIRONMENTAL SERVICES													\$ 162,131.00
ASSUMPTIONS:							Special Provision	ns:					
ASSUMPTIONS:	_1												
Environmental Services to Be Performed as summarized in the summary of hours.							Management and	d Coordination					
Environmental Services to Be Performed as summarized in the summary of hours.	urs and In this see	etion					Management and	d Coordination			·		
Environmental Services to Be Performed as summarized in the summary of hours.	urs and in this sed	etion							ent project duration	schedule assume	ed to be no longer th	nan 6 months. Draft a	and Pre-Final or Final
Environmental Services to Be Performed as summarized in the summary of hours.	urs and in this see	etion .					Environmental Do	ocument developmo	mitted within 6 ma	nths. Additional ti	me will require supp	ilemental to further di	and Pre-Final or Final evelop or finalian
Environmental Services to Be Performed as summarized in the summary of hours.	urs and in this see	ction					Environmental Do Environmental do environmental do	ocument developme	mitted within 6 mo baum can update	nths. Additional ti the environementa	me will require supp al document, finalize	elemental to further de and coordinate with	evelop or finalize agencies for FONSI if
Environmental Services to Be Performed as summarized in the summary of hours. Services not provided include NONE or NOT INCLUDED Dannenbaum will develop tasks as desribed in the summary of ho	urs and in this sec	etion					Environmental Do Environmental do environmental do	ocument developme	mitted within 6 mo baum can update	nths. Additional ti the environementa	me will require supp al document, finalize	elemental to further de and coordinate with	evelop or finalize
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Environmental Services to Be Performed as summarized in the summary of hours. Services not provided include NONE or NOT INCLUDED.Dannenbaum will develop tasks as desribed in the summary of ho	urs and In this sec	etion .					Environmental Do Environmental Do environmental do supplemental is nu Literature Review Data collection to EA, CE, DCIS, rev	ocument development will be subcument, or Dannen of executed. Assuvand Secondary consist of one site view TxDOT project	mitted within 6 mo baum can update mes 1-hour conferences Data Collection visit for 3 days to continuous. It is assum	nths. Additional ti the environementa ence call attendan collect data (included that the prime of	me will require supp al document, finalize ce by one Subconsu	e and coordinate with ultant staff, once a we	evelop or finalize agencies for FONSI if
Environmental Services to Be Performed as summarized in the summary of hours. Services not provided include NONE or NOT INCLUDED.Dannenbaum will develop tasks as desribed in the summary of ho Obtain right of entry to perform environmental services (Dannenbaum) Develop letters or other materials for seeking right of entry (Dannenbaum)	urs and in this sec	etion .					Environmental Do Environmental Do environmental do supplemental is nu Literature Review Data collection to EA, CE, DCIS, rev	ocument development will be sub cument, or Dannen ot executed. Assu w and Secondary consist of one site	mitted within 6 mo baum can update mes 1-hour conferences Data Collection visit for 3 days to continuous. It is assum	nths. Additional ti the environementa ence call attendan collect data (included that the prime of	me will require supp al document, finalize ce by one Subconsu	e and coordinate with ultant staff, once a we	evelop or finalize agencies for FONSI if eek for project duration s of Feasibility Study,

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SPECIAL SERVICES (FC 120)				Scientist	Scientist	Scientist	Scientist		Civil Engineer				
ENVIRONMENTAL SERVICES	Project	Project	Civil Engineer	(Community	(Enviromental	(Enviromental	(Haz. Material	Civil Engineer	(Noise	CADD	Administration/	Total LABOR HOURS	Task Cost
TASK DESCRIPTION	Engineer (IV)	Engineer (IV)		(mpact)	Review)	Review)	Review)	(Air Quality)	Analyses)	Technician	Ciericai	HOURS	
Trott Debotti Heri	 	l		1		L	la in a natural and also as			alad and anadres	ad This same after	l.	ICACIT 404
				;			It is assumed that	one windshield st	urvey will be schedi	uled and conduct	ea. This scope of wo	ork does not include t	JSACE 404 permitting. his scope of work does
												st of resource agency	
Make arrangements for public meeting (Dannenbaum)							scope of work doe	es not include a hy	drologic model or l	etter of map revi	sion (LOMR) from the	e Federal Emergency	management Agency.
·				` !			This scope of wor	k does not include	a pre-nesting bird	survey prior to co	onstruction. This sco	ope of work does not	include the developme
	_			•			of a Stormwater P	Pollution Prevention	n Plan (SWPPP)				
Provide one staff member to attend one Public Meeting and one Public Hearing	_		•	1,			0.//			·····			
Develop summary of public meeting and responses to comments (Dannenbaum)	4	4		1			Cultural Resource		veys are included in	a this seems and			·····
Make arrangements for public hearing (Dannenbaum) Provide one staff member to attend a public hearing.	- ·			ì			NO WINGSTILL OF	outer site/field surv	veys are included in	i illis scope and	contract.		
Develop comment and response report, summary and analysis and other information from public hearing (Dannenbaum)	- ·			!			Field Surveys an	d Environmental	Investigations				
								•					· · · · · · · · · · · · · · · · · · ·
								eys will be reviewe	ed for the proposed	I new right of way	and additional buffe	r area for survey is n	greater than 400 feet
Develop and send acknowledgement / response letters to commenters (Dannenbaum)	· ·						in width.						
Develop, publish, and distribute newsletter (Dannenbaum)				1		4	Alternatives						****
Develop and maintain web site (Dannenbaum)				,			Aiternatives						
							Assume no build a	and widening alter	natives will be cons	sidered only in th	e vicinity of US 59 to	University Blvd, each	of approximate length
Analysis of social and economic impacts, including:				1			of 3.75 miles.				<u>,</u>		
Identify and evaluate social and economic impacts]			l .									
Identify property owners and tenants adjacent to the roadway project							Public Involveme			•			
				1								e Subconsultant will a	
					•							for travel, attendance	e, and related nat the meetings, other
Identify potential displacements (none)							than contract deliv		t be responsible for	ппе ргераганоп	or any materials for c	iispiay or presentatio	rature meetings, other
identify potential displacements (none)	-			j			than community	oranico.	•				<u> </u>
	-1	•		}			Air Quality:						
				1									
Perform public contact and public involvement to gather information from individuals and communities regarding social impacts (by	'			!				is includes a quali	tative Mobile Sourc	e Air Toxics (MS	AT) analysis. MSAT	quantitative analysis	is not included in this
dannenbaum)							scope.						
Estimate the losses and gains to tax revenues (by dannenbaum) Estimate losses and gains using a computer model (NOT INCLUDED)				· ·		•	Noise:	1		 		·	
Estimate losses and gains using a computer model (NOT INCEDDED)	-			4		•		rovide the latest as	orial mans tonogra	inhy files contour	data hourly volume	s (if available), truck	nercentage and
•				; •			information on per	rmitted developme	ents (if anv). The pr	ime shall provide	future hourly volume	es, truck percentage	ov roadwav facility.
				¥ .			roadway profiles, a	alignment, finished	d grades, and cross	s sections. The p	rime shall provide gr	round elevation of the	proposed barrier.
Identify current and anticipated land uses with surveys and land use plans (by dannenbaum)				-			Field noise measu	rement is not incl	uded in this scope	and contract.			
Incorporate subdivision plats into identification of current and anticipated land uses. (by dannenbaum)	-				` 4		Llongredous Motor	dala/Ohana I ECA					
Evaluate travel modes and patterns. Evaluation also shall incorporate:	_			i i			mazardous Mater	rials/Phase I ESA					
				i i									
							No detailed legal of	descriptions of pro	nerty houndaries w	rill he utilized. No	interior inspections	of structures will be o	completed. Historic lan
												entially impacted by the	
				:									ROW and within the
·							ASTM Standard s	earch distances fo	r the project area v	will be reviewed.	Asbestos was banne	ed in most friable buil	ding materials (spray-
				i									or the identification of ndwater, lead-based
Predictive models (NOT INCLUDED)											r does it include a titl		nonator, toda basea
: Observation	1			× †					2				
Public contact]						Socioeconomics						
									fucted. No door-to	-door, mailer, or	phone surveys will be	e conducted to obtair	information from
Identify and evaluate the potential for impacts to disabled and elderly individuals and populations							residence or busi	ness owners.					***
Perform Environmental Justice analysis Perform indirect and cumulative impact studies	-						Section 4(f) Evalu	uation					<u> </u>
r enorm municol and cumulative impact studies	₹												
												ed to a de minimis fir	ding only. No
Identify considerations impacting pedestrians and bicycles	_				i		avoidance alterna	tives development	or analysis, or Sec	ction 4(f) stateme	nt preparation is incl	uded.	
Perform air quality analysis to include a qualitative MSAT analysis	-						Emulyamma-1-1-1	anining De-					
: Perform a traffic noise analysis. The noise analysis also shall include:	-						Environmental D	ecision Documer	16.				
Take field measurements of existing noise levels (NOT INCLUDED)	1						71 6 1						
		-										/ and a final environr ne aspects of the proj	
													ect (including project
				•									tive was chosen over
							the no build altern	ative studied, a lis	ting of anticipated i	impacts from the	preferred alternative	, a summary of all the	proposed mitigation
												t are not considered :	
Perform computer modeling of existing (if not obtained through field massurements) and predicted noise levels. Modeling shall be							Division One has	cision document sl rdy copy deliverab	nall be prepared in Je will be submitter	accordance with	the February 20, 200	09 memorandum fror and provide copies t	n trie ErivvA Texas o stakeholders
Perform computer modeling of existing (if not obtained through field measurements) and predicted noise levels. Modeling shall be accomplished with the Federal Highway Administration (FHWA) approved Traffic Noise Model							agencies, client, e	ito, copy deliverati	AMII DO SUDITIILLEC	1 10 Damillelidau	т ю сору аосателі	and provide copies t	o stancholdels,
Technical Expert: Determine predicted noise impact contours for undeveloped property	1						Solicio, Gildrit, C						
The state of the s	_						P						

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SPECIAL SERVICES (FC 120)	Project	Project		Scientist	Scientist	Scientist	Scientist	Civil Engineer	Civil Engineer	CADD	Administration/	Total LABOR	
ENVIRONMENTAL SERVICES	Engineer (IV)	Engineer (IV)	Civil Engineer	(Community	(Enviromental	(Enviromental	(Haz. Material	(Alr Quality)	(Noise	Technician	Clerical	HOURS	Task Cost
TASK DESCRIPTION				Impact)	Review)	Review)	Review)	(Analyses)				
Technical Expert: Water Quality studies			•				Deliverables:			<u> </u>			
				!	•		The Subconsultan	t shall conduct an	internal quality ass	urance and quality	control review on e	each deliverable befo	re it is submitted to the
				ļ			County/State for re	eview. After the dra	aft deliverables are	submitted and rev	riewed by TxDOT, to	he Subconsultant sha	all revise and resubmit
Perform wetland delineations (NONE)				1			the deliverables to Administration.	address all comm	ents received from	n Environmental At	ffairs Division, TxDC	OT Laredo District an	d the Federal Highway
Perform wild and scenic river studies (NOT INCLUDED)	-		÷ .	İ			Administration.						
Perform floodplain impact studies (by dannenbaum)	1						Assume classificat	fion letter reculte in	Environmental Ac	eccement decum	ent and project obta	ine CONCI	
Perform coastal barrier studies (NOT INCLUDED)	1						Assume classifical	don letter results it	i Environmental As	ssessment docum	erit aitu project obta	ilis PORSI.	
Telloriff coastal barrier studies (NOT MOLDSLE)	•		•	}					· .				
				!			Copies of the Draft	t and Final Enviror	mental Assessme	nt for FHWA revie	w will be printed do	uble sided. Subcons	ultant is not responsib
Perform coastal zone impact studies (NOT INCLUDED)						•	for distribution/mai	iling of Draft or Fin	al Environmental A	ssessments.			
]												
	1			1									
	1			i									
United States Coast Guard Section 9 Permit (NOT INCLUDED)	1			-									
Section 10 of the Rivers and Harbors Act (33 U.S.C. 403) (NOT INCLUDED)				į					ı				
Perform water body modifications and wildlife impact studies (NOT INCLUDED)	1										,		
Threatened and endangered species. NONE	1			1									
Survey for protected species habitat NONE Survey shall be performed for T & E species on the El Paso County TPWD and USFWS lists (no species specific surveys are	-)									
Survey shall be performed for 1 & E species on the El Paso County 1 PVVD and USFVVS lists (no species specific surveys are anticipated). NONE				į		•						•	
Check for presence of designated critical habitat (NONE)	1			:									
Habitat analysis (Entire project area not just Threatened and Endangered Species) NONE	<u> </u>												
Analysis of stream modifications (if any) and associated habitats NONE													ı
				:									Ţ
Early coordination with United States Fish and Wildlife Service (USFWS) / Texas Parks and Wildlife Department (TPWD)				•									
(indicate which) (coordination with both USFWS and TPWD)			•									*	
Perform invasive species studies NONE	1			i									
Perform essential fish habitat studies (NOT INCLUDED) Perform beneficial landscaping studies NONE	1			i									
Determine farmland impacts NONE	ł							4					
Perform hazardous materials studies				*.		·							
Archeological studies; NONE				:									
Perform archeological background studies NONE												•	
Perform archeological background studies NONE				:	* 4		*						
Perform an archeological reconnaissance survey (NOT INCLUDED)				i									
Perform an archeological intensive survey (NOT INCLUDED)													
Identify Native American tribes for consultation (NOT INCLUDED)				1									Ť
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)				1								•	
Perform early coordination with the State Historic Preservation Officer (SHPO) (NOT INCLUDED)						4							
Historic Resource Studies: Consultant will prepare the Pre-coordination Request (PCR) form NONE		-		į									
Reconnaissance Survey (NOT INCLUDED)			•	:									
Intensive Survey (NOT INCLUDED)				1	•								
Perform visual impact studies (NOT INCLUDED)		,											
Perform construction impact studies (NOT INCLUDED)		,	•										
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													
												•	
								· · · · · · · · · · · · · · · · · · ·			<u> </u>		
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