# ATTACHMENT D D-2 SUPPLEMENTAL WORK AUTHORIZATION NO. 2 TO WORK AUTHORIZATION NO. 1 CONTRACT FOR ENGINEERING SERVICES

THIS SUPPLEMENTAL WORK AUTHORIZATION is made pursuant to the terms and conditions of Article 5 of Contract No. <u>Loop 20</u> hereinafter identified as the "Contract," entered into by and between the County of Webb (County), and Dannenbaum Engineering Corporation (the Engineer).

The following terms and conditions of Work Authorization No. 1 are hereby amended as follows:

PART I. This Supplemental Work Authorization No. 2 to Work Authorization No. 1 is submitted in order to correct two (2) clerical errors contained in Supplemental Work Authorization No.1 to Work Authorization No.1.

Error No. 1 consisted in an error in the total Environmental Services fee previously approved in Supplemental Work Authorization No.1 to Work Authorization No.1. The amount approved was \$162,126.31, as shown in Attachment E-4 (Revised 2/25/2014) of Supplemental Work Authorization No. 1 to Work Authorization No. 1, whereas the correct amount should have been \$162,131.00, as shown in Attachment E-4 (Revised 9/4/2014) which is attached herewith and made a part of this Supplemental Work Authorization No. 2 to Work Authorization No. 1, a difference of \$4.69.

<u>Error No. 2</u> was a clerical error resulting in the <u>"maximum amount payable under this Work Authorization"</u> being erroneously reduced from \$1,917,444.78 to \$101,069.00. The purpose for Supplemental Work Authorization No.1 to Work Authorization No.1 was to execute a no cost revision to the scope of the Environmental Services to be provided under the Contract. Therefore, the maximum amount payable under Supplemental Work Authorization No.1 to Work Authorization No.1 should have remained at \$1,917,444.78.

PART II. The maximum amount payable under this Work Authorization is \$1,917,444.78 and the method of payment is <u>lump sum.</u> This amount is based upon the maximum amount payable set forth in Work Authorization No. 1 and as modified by Supplemental Work Authorization Nos.1 and 2.

Original Work Authorization No. 1 Amount

= \$ 1,917,444.78

Supplemental Work Authorization No. 1 Amount

= \$ (1,816,375.25)

101.069.53

Supplemental Work Authorization No. 2 Amount

= \$ 1,816,375.25

\$ 1,917,444.78

This Supplemental Work Authorization shall become effective on the date of final execution of the parties hereto. All other terms and conditions of Work Authorization No. 1 and Supplemental Work Authorization No. 1 to Work Authorization No. 1 not hereby amended are to remain in full force and effect.

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

THE ENGINEER	THE COUNTY							
(Signature)	(Signature)							
Louis H. Jones, P.E. (Printed Name)	(Printed Name)							
Principal (Title)	(Title)							
(Date)	(Date)							

LIST OF EXHIBITS

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

				PHASE I									
SPECIAL SERVICES (FC 120)	Duntant	Duntant.		Scientist	Scientist	Scientist	Scientist		Civil Engineer			·	
ENVIRONMENTAL SERVICES	Project Engineer (IV)	Project Engineer (IV)	Civil Engineer	(Community	(Enviromental	(Enviromental	(Haz. Material	Civil Engineer	(Noise	CADD	Administration/	Total LABOR	Task Cost
TASK DESCRIPTION	Linginieer (IV)	Fildilies (IA)		impact)	Review)	Review)	Review)	(Air Quality)	Analyses)	Technician	Clerical	HOURS	TASK GOSE
						<u> </u>							
III. SOCIAL, ECONOMIC AND EVIRONMENTAL STUDIES AND PUBLIC INVOLVEMENT								<u> </u>	-				
FC 120 - SOCIAL, ECONOMIC AND EVIRONMENTAL STUDIES AND PUBLIC INVOLVEMENT								· · · · · · · · · · · · · · · · · · ·	1				
PREPARE ENVIRONMENTAL REPORT - ENVIRONMENTAL ASSESSMENT, ENVIRONMENTAL IMPACT STATEMENT     CONDUCT PUBLIC INVOLVEMENT									; <u></u>	-		**	
CONDUCT PUBLIC INVOLVEMENT     CONDUCT CULTURAL RESOURCE INVESTIGATION (NOT INCLUDED)	ļ												
CONDUCT HAZARDOUS MATERIALS INVESTIGATION/REVIEW OF EXISTING INFORMATION										- 1.			
CONDUCT NOISE AND AIR QUALITY ANALYSIS										, ,			
CONDUCT ECOLOGICAL INVESTIGATION/REVIEW OF EXISTING INFORMATION										· · · · · · · · · · · · · · · · · · ·			
CONDUCT SOCIAL-ECONOMIC INVESTIGATION/REVIEW OF EXISTING INFORMATION		-				i							
****LOOP 20 ENVIRONMENTAL DOCUMENTS PRODUCED IN THE PAST IS THE EXISTING INFORMATION TO BE REVIEWED	)								·				
PROJECT MANAGEMENT PROJECT MANAGEMENT AND DOCUMENT PREPARATION							<del></del> -						
AZB COORDINATION	30	8									2	40	\$ 5,545.04
COORDINATION WITH AMATERRA, TXDOT STAFF	32 30	8										40	\$ 5,694.80
CONTRACT ADMINISTRATION	40	ð		<del>-</del>								38	\$ 5,410.06
TEAM MEETING IN LAREDO (THREE MEETINGS)	24	0	-		<del></del>						0	40	\$ 5,694.80
EA PREPARATION		· · ·										24	\$ 3,416.88
PRELIMINARY REPORT PREP/COMMENT RESPONSE	8	40		16					· · ·		0	0	\$ - \$ 9,111.68
EXHIBITS/FIGURES/COORDINATION	4	16		<del></del>	<del></del>					20	· · · · · · · · · · · · · · · · · · ·	64	\$ 4,906.80
PERMIT IDENTIFICATION (ACTUAL PERMITS NOT INCLUDED)	0	0 .		4	20						<del></del>	40 20	\$ 2,847.40
GIS/GRAPHICS .	.0	0							<del></del>	20		20	\$ 2,059.40
DRAFT REPORT PREP/COMMENT RESPONSE FINAL REPORT PREP/COMMENT RESPONSE	2	30		20							Ö	52	\$ 7,403.24
11-PAGE TXDOT FORM	2	20		10							0	32	\$ 4,555.84
DRAFT ENV. DECISION DOCUMENT	0	0			' i				· i		0 .	0	\$ -
FINAL ENV. DECISION DOCUMENT	0	0 0									0	0	\$ -
QUALITY ASSURANCE/QUALITY CONTROL	0	0									0	0	\$ -
SOCIAL, ECONOMIC, AND ENVIRONMENTAL STUDIES					<del>-</del> · ·				· ····		0	0	\$ -
XISTING FIELD DATA REVIEW	0	10		- 5	<del></del>		5					0	\$ -
NĚED AND PURPOSE	0	6			· · · ·						ļ <u></u>	20	\$ 2,847.40
PAST REPORT REVIEW		8								<del></del> -		6 ·	\$ 854.22 \$ 1439.06
TRAFFIC AND CRASH DATA REVIEW/ANALYSIS		0									· · · · · ·	n -	\$ 1,138.96
DOCUMENTATION ALTERNATIVES ANALYSIS		0					***	· · · · · · · · · · · · · · · · · · ·			0	<del>, , _  </del>	\$ -
PLANNING DOCUMENTS, STIP, MTP, FUNDING REVIEW		0		0			0				0	0	\$ -
ALTERNATIVES DEVELOPMENT WRITE-UP & DESCRIPTIONS		0										0	\$ -
SOCIOECONOMIC REVIEW OF EXISTING INFORMATION	0	0 0										0	\$ -
FIELD DATA COLLECTION / WINDSHIELD SURVEY ONLY (ONE VISIT)	<u> </u>			14								0	\$ -
POPULATION AND EJ ANALYSIS	4	0	,,	36		<del></del>	<del></del>				¬	14	\$ 1,993.18
EMPLOYMENT, TAX, AND BUSINESS EFFECTS	4	0		16				<del>-</del>	~	8		48	\$ 6,518.56 \$ 3,947.40
COMMUNITY AND RESIDENTIAL DISPLACEMENTS AND EFFECTS	4	0		24			<del></del>		<del></del>	<del></del>		20 28	\$ 2,847.40 \$ 3,986.36
LAND USE AND DEVELOPMENT REVIEW (DOCUMENTS PROVIDED BY DANNENBAUM)	4	0		24						<del>-</del>		28	\$ 3,986.36
AIR QUALITY NOISE	2	0						80			· · · · · · · · · · · · · · · · · · ·	82	\$ 11,038.34
EXISITING CONDITIONS TRAFFIC NOISE MODELING												0	\$ -
DESIGN YEARCONDITIONS TRAFFIC NOISE MODELING									40	0		40	\$ 5,376.80
BARRIER ANALYSIS	·								40	0		40	\$ 5,376.80
PREDCITED SOUND LEVELS AT UNDEVELOPED LANDS									24	0		24	\$ 3,226.08
PREPARE NOISE IMPACT ASSESSMENT		0			-				2 8	0		2	\$ 268.84
QA/QC	2	8	·					<del>-</del>	0	<u> </u>	0	8	\$ 1,075.36 \$ 4,03.70
BIOLOGICAL AND WATER RESOURCES (review of existing environmental documents)												10 0	\$ 1,423.70 \$ -
FIELD SURVEY (REVIEW PREVIOUS SURVEYS ONLY) REVIEW SUMMARY	8	0	4		80	0	24			-		116	\$ 16,483.12
SOILS AND FARMLANDS	2	4			30	4						40	5,694.80
GEOLOGY		2								8		10	\$ 1,108.50
CULTURAL & HISTORICAL RESOURCES		6										6	\$ 854.22
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SPECIAL SERVICES (FC 120)	<del></del>	<del>_</del>	<del>-</del>	<del>,                                     </del>	T	.,							
ENVIRONMENTAL SERVICES TASK DESCRIPTION	Project Engineer (IV)	Project Engineer (IV)	Civil Engineer	Scientist (Community Impact)	Scientist (Enviromental Review)	Scientist (Enviromental	Scientist (Haz. Material	Civil Engineer (Air Quality)	Civil Engineer (Noise	CADD Technician	Administration/		Task Cost
SECTION 4(F)/6(F) ANALYSIS AND COORD.	0	0		<u> </u>	Keview)	Review)	Review)	(All Guality)	Analyses)	rechnician	Clerical	HOURS	1
CONSTRUCTION IMPACTS HAZARDOUS MATERIALS REVIEW		4	8	0 4		<u> </u>				0		0	\$
ENVIRONMENTAL RECORDS REVIEW		0			<del>-</del>		<del> </del>	4	<u> </u>			20	\$ 2,752.0
SITE VISIT	<del></del>	ļ					16				<del> </del>	0	- \$ 6
ADJACENT LAND USE	<del> </del> -	· · · · · · · · · · · · · · · · · · ·	<del></del>				8				<del> </del>	16	\$ 2,277.9 \$ 1,138.9
INTERVIEWS REPORT PREP/COMMENT RESPONSE			· <del> </del>				20		i.			20	\$ 2,847.4
INDIRECT AND CUMULATIVE IMPACTS						···	12	<u> </u>	<del></del>			0	\$
REVIEW PLANNING DOCUMENTS	0	0		0			12	<del></del>		0	0	12	\$ 1,708.4
PREPARE MPO/CITY QUESTIONNAIRE	<u> </u>	4 8	<del> </del>							<del>-</del>	<del> </del> -	4	- \$ \$ 569.4
MEETING WITH MPO AND CITY COLLECT DATA, DOCUMENT, AND SUMMARIZE MEETINGS	4	4	-	<del></del> .								8	\$ 1,138.9
MPO/CITY FOLLOW-UP	4	8					<del>                                     </del>				<u> </u>	8	\$ 1,138.9
REVIEW RESOURCE IMPACTS PREVIOUSLY PREPARED	<del> </del>	4	<u> </u>						·		<del>                                     </del>	12	\$ 1,708.4
DOCUMENTATION	<del></del>	8 16	<u> </u>									8	\$ 569.4 \$ 1,138.9
GRAPHICS PUBLIC INVOLVEMENT	4	4	<del></del>				<del> </del>				0	16	\$ 2,277.9
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	\$ 30,467.18	\$ 34,453.54						\$ 11,291.28 \$ 11,291.28	,			\$ 154,289.78	
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PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON MANHOURS)	19.24%	22.33% 21.76%	1.05% 1.08%	15.59%	12.00%	0.37%	7.84%	7.32%	9.93%	3.74%	0.09%	100.00%	CHECK
DIRECT EXPENSES	10.2770	21.70%	1.00%	15.20%	11.69%	0.36%	7.64%	7.55%	10.25%	5.04%	0.18%	100.00%	
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ASSUMPTIONS;			·									· · · · · ·	\$ 162,131.00
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	o and in this sectio	JII				ļ	······································						
						. [5	Environmental Docu	ment development	project duration se	chedule assumed	to be no longer tha	n 6 months. Draft a	and Pre-Final or Final
btain right of entry to perform environmental services (Dannenbaum)													evelop or finalize agencies for FONSI if sek for project duration
evelop letters or other materials for seeking right of entry (Dannenbaum)										So can attenuance	vy une Supconsult	tant staff, once a we	зек for project duration
ublic Involvement activities: (Dannenbaum)	Literature Review and Secondary Data Collection												
mini: mwakameni amuniki 11 '9anoanomon'ai	Data collection to consist of one site visit for 3 days to collect data (includes meetings with TxDOT to obtain copies of Feas EA, CE, DCIS, review TxDOT project file.). It is assumed that the prime consultant will provide a list of adjacent property of and provide ROE for all necessary environmental field curvey.									s of Feasibility Study			
Trovonor devides, (Daniel Dauli)													
evelop public involvement plan (Dannenbaum)											nsultant will provide	a list of adjacent pr	roperty owners, obtain
evelop public involvement plan (Dannenbaum) ompile and maintain mailing list (Dannenbaum)							A, CE, DCIS, review and provide ROE for				nsultant will provide	a list of adjacent pr	roperty owners, obtain

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State of the state	ENVIRONMENTAL SERVICES	•		Civil Engineer	(Community	(Enviromental	(Enviromental	(Haz. Material		(Noise	Techn			Task Cost
the part of circumstance are interested professional and the company of the compa	TASK DESCRIPTION		<u> </u>	<del></del>	<u> </u>			It is assumed that	t one windshield si	urvev will be s	scheduled and co	onducted. This scope of	work does not include	USACE 404 permitting.
set any professional profession			•					It is assumed that	t permitting under t	the Nationwid	le Permit 14 will	be required for impacts	to waters of the U.S. T	his scope of work does
The contract of the property of the contract of the property of the contract o	Make arrangements for public meeting. (Dannerhaum)							not include preser	nce absence surve	eys for threate	ened and endang	pered species at the req	uest of resource agenc	y consultations. This
And the parties and a Participation and Particip	make analysments of public modelity (Palmentadiny							This scope of work	es not include a ny rk does not include	/arologic mod	ei or letter of ma a bird survey orid	p revision (LOWA) Iron or to construction. This	scope of work does not	include the developme
Substitution in the form of th					÷			of a Stormwater F	Pollution Preventio	n Plan (SWP	PP)	of to concuration.		
Les de la contra de la contra l'Establis de la contra de la contra l'Establis de la contra de la	Provide one staff member to attend one Public Meeting and one Public Hearing	-												
Half Services and Experimental International	Develop summary of public meeting and responses to comments (Dannenbaum)									+	1-11-11	1		
Here is an an article and a strong and an article and a strong and a s	Make arrangements for public hearing (Dannenbaum)							No windshield or	other site/field sun	veys are inclu	idea in this scope	e and contract.		
Supplies to any observation while the companies of processes of the companies of the compan	Provide one staff member to attend a public hearing.	_						Field Surveys an	nd Environmental	Investigatio	ns			
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Seed and design of the service of th									reys will be reviewe	ed for the pro	posed new right	of way and additional bu	ıffer area for survey is r	no greater than 400 feet
Accounts on the Commendation  Accoun	Develop and send acknowledgement / response letters to commenters (Dannenbaum)							in width.						
Section of the control means, processes and c		-						Alternatives		· · ·				
Page 1 and compare impacts. Proceedings of the compare impacts. Proceedings of the compared of	Develop and maintain web site (Dannenbaum)													
Page 1 and compare impacts. Proceedings of the compare impacts. Proceedings of the compared of								Assume no build	and widening alter	rnatives will b	e considered onl	y in the vicinity of US 59	to University Blvd, eac	ch of approximate lengt
Falls Introduces and parties registed to the making project.  Palls Introduces and the parties project and any parties required project to dear in those propries and any parties required project to dear in those propries and any parties required project to dear in those propries and any parties required project to dear in those propries and any parties required to dear in those propries and any parties required to dear in those propries and any parties required to dear in those propries and any parties required to dear in those propries and any parties required to dear in those propries and any parties and parties and parties and parties and parties and parties	Analysis of social and economic impacts, including:							of 3.75 miles.				•		····
Consideration will patient all patients and patients are	Identify and evaluate social and economic impacts			÷				Public Involveme	enf:					
service per or own public incolors. Chail is abstracted to explain of the personal control of the pers	Identify property owners and tenants adjacent to the roadway project									involvement.	including exhibit	ts. One professional of	the Subconsultant will	attend one public
controllers and controllers required to provide depletoments (prox)  AC Classity:  AP Coulty Adoptive to general entrollers of the properties for the proximation for manifolds and consumition regarding could impact for account of the proximation for manifolds and consumition regarding could impact for account of the proximation for manifolds and consumition regarding could impact for account of the proximation for manifolds and consumition regarding could impact for account of the proximation for manifolds and consumition regarding could impact for account of the proximation for manifolds and county and consumition regarding could impact for the proximation for manifolds and county and proximation for account of the proximation for manifolds and county and proximation for manifolds and county and proximation for account of the proximation								meeting and one	public hearing. E	ach is assum	ed to require 16	hours per meeting/hear	ing for travel, attendand	ce, and related
Air Guality  Written making covered and public, involvement to game relevantion from inclinations are communities regarding costal impacts (by  The Guality Analysis relatives a qualitative Mobile Spaces AHT tooks (MAT grant-basks (BAT) practically as promitive or pressure by interviews a qualificative Mobile Spaces AHT tooks (MAT grant-basks (BAT) gran								coordination. Sub	bconsultant will no	t be responsil	ble for the prepar	ration of any materials f	or display or presentation	on at the meetings, other
For my public coalled and public involvement to gether information from highlighted and communities regarding coaled and public involvement of gether information.  A Viguilly Assigned Excludes a qualitative Modes Source Air Tokes (MOT INCLUDED)  Note:  The prime belief procise belief excluded a qualitative Modes Source Air Tokes (MOT INCLUDED)  The prime belief procise belief excluded a public by the remarkable of the prime belief procise belief excluded and public involvement of public processes and public	Identify potential displacements (none)							than contract deli	verables.					1
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Activation to better area gainer to bear read gainer using a comparison model (NOT INCLUDED)  The garners shall growther the select and in page (prography from content date), trusty values of greaterings, and infrate see plant using a comparison model (NOT INCLUDED)  The garners shall growther the select and in page (prography from content date), trusty values of greaterings, and infrate see plant using a comparison or portrolled development of the price shall provide growth provides and provides and greater and greate		-												
Society of the control of the prime shall provide the least sonial range, long-party flower, contact data. To any variance of monitoring the control of the proposed prime shall be control of the prime shall be controlled by the prime sha	Perform public contact and public involvement to gather information from individuals and communities regarding social impacts (t	у	•					Air Quality Analys	sis includes a quali	itative Mobile	Source Air Toxic	cs (MSAT) analysis. MS	AT quantitative analysis	s is not included in this
Solder Control Desea and gain sang a compelar model (NOT INCLUDED)  The prima hall provide the lested carrid many, isopography Res., control date, locally recommend, requirement, sequence of the latest carrid many, isopography Res., control date, locally recommend, requirement, provided that seems are all the latest carrid many, isopography Res., control date, locally recommend, requirement,	dannenbaum)							scope.						
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dentify current and autopased land uses with surveys and land use plans gby demandaum)  Locorous publishing plan is no deall development of family. The prime shall provide fourth body volunte for the body volunte and autopased land uses with surveys and land use plans gby demandaum)  Locorous publishing plan is no deall description of the proposed borning of the p	Estimate losses and gains using a computer model (NOT INCLUDED)	-			•				movide the latest a	orial mans to	mography files o	ontour data, bourly volu	mes (if available), truck	nercentage and
senity correct and anticipated land uses with surveys and land uses plane (by damenbaum)  The proposed barrier field mose measurement in of included in the servey and control or correct and anticipated land uses with surveys and carriers.  Hazardous Materials Phase I ESA  **No detailed lagal descriptions of properly boundaries will be unliked. No interior inspections of situatives will be compared. Historia use will be limited by review of and in protography. It is assumed taxorium was will be unliked by review of and in protography. It is assumed taxorium was will be unliked by review of and in protography. It is assumed taxorium was will be unliked by review of and in protography. It is assumed taxorium was will be unliked by remarked by the protect and in all the protography. It is assumed to an interior inspect by the project and in all the protography in the second of the protography in the second of the protography in the pr	•				,			information on pe	rmitted developme	ents (if any). T	The prime shall p	rovide future hourly volu	imes, truck percentage	by roadway facility,
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applied surfacing materials and mental system insulation; in 1672. Plysic dispection of the interfor of buildings of the identification absences containing materials will not be conducted. The scope of work does not include all; surface whether pointing policy or polychroined bighenyl (PCB) sample collection or besting, nor does it include a title search.  Socioeconomics  Only windshield surveys will be conducted. No door-to-door, maller, or phone surveys will be conducted to obtain information from residence or business owners.  Section 4(f) Evaluation  This scope and contract includes nocessary coordination, analysis, and documentation related to a de minimis finding only. No avoidance alternative MSAT analysis  Perform a fell or incide a qualitative MSAT analysis.  Perform a fell or incide analysis in incide a qualitative MSAT analysis, or Section 4(f) statement preparation is included.  Environmental Decision Document:  The Subconsultant shall prepare a draft environmental decision document will succinctly summarize the prime eagency of the project that influence of the project of	<b>\</b>							ASTM Standard s	search distances fo	or the project	area will be revie	ewed. Asbestos was ba	nned in most friable bu	ilding materials (spray-
patin, or polychlorinated biphenyl (PCB) sample collection or testing, nor does it include a title search.  Socioeconomies Only windsheld surveys will be conducted. No door-to-door, mailer, or phone surveys will be conducted to obtain information from residence or business owners.  Ferform indirect and cumulative impact so disabled and elderly individuals and populations  feriform Environmental Justice analysis  Perform indirect and cumulative impact studies  Mentity considerations impacting pedestrians and bicycles  Section 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.  Perform a refine noise analysis. In noise analysis. In noise analysis. In noise analysis in noise analysis. In noise analysis. In noise analysis and document for review by ENV and a final environmental decision document will succincilly summarize the prime aspects of the pricet than influence in the received in commental decision document for approval by It-HVA. The decision document will succincilly summarize the prime aspects of the pricet than influence in the related proposed of the pricet than influence in the related proposed in the prime aspects of the project than influence in the related proposed in the prime aspects of the project than influence in the related proposed in the prime aspects of the project than influence in the related proposed in the proposed analysis and proposed in the proposed analysis and proposed in the proposed analysis and provide copies to a stakeholders, and a justification as to why the impacts of the project than influence as the referred alternative, as unmany of the Proposed influence as the referred alternative, as unmany of the Proposed influence as the referred alternative, as unmany of the Proposed in	<b>'</b>							applied surfacing	materials and their	rmal system i	nsulation) in 197	<ol><li>Physical inspection of</li></ol>	of the interior of building	s or the identification o
Observation  Fulfile contact  Only windshields surveys will be conducted. No door-to-door, mailer, or phone surveys will be conducted to obtain information from residence or business owners.  Ferform Environmental Justice analysis  Environmental Decision Document  Ferform Environmental Justice analysis  Environmental Decision Document  Ferform Environmental Justice analysis  Environmental Decision Document  Ferform Environmental Justice analysis  Ferform Environmental Justice analysis  Ferform Environmental Justice analysis  Ferform Environmental Justice Environmental Lucion Ju	Y Control of the Cont	;												undwater, lead-based
Public contact  Socioecomics  Only windshield surveys will be conducted. No door-to-door, maller, or phone surveys will be conducted to obtain information from residence or business owners.  Perform Environmental Justice analysis  Section 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.  Perform a furtile noise analysis. The noise analysis. The noise analysis also shall include:  Environmental Decision Document:  ake field measurements of existing noise levels (NOT INCLUDED)  The Subconsultant shall prepare a draft environmental decision document for review by ENV and a final environmental decision of document will succincitly summarize the preject that influence FHVMA's environmental decision document will include a brief description of the project (including project in the no build attentive studied, a listing of anticipated impacts from the preferred alignmative, a summary of the Need and Purpose studient of the project date make accordance with the Performative accordance with the Performation document and provide copies to stakeholders, agencies, clinic, one hardy copy deliverable will be submitted to Dammenbaum to copy document and provide copies to stakeholders, agencies, clinic, one hardy copy deliverable will be submitted to Dammenbaum to copy document and provide copies to stakeholders, agencies, clinic, with the Federal Highway Administration (FHWA) approved Traffic Noise Model	Predictive models (NOT INCLUDED)	_						paint, or polychlor	nnated bipnenyi (P	сы) sample (	collection or testi	ing, nor does it include a	uue searcii.	
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.  Perform Environmental Justice analysis Perform indirect and cumulative impact studies  dentify considerations impacting pedestrians and bicycles Perform a rquelity analysis to include a qualitative MSAT 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:  ake field measurements of existing noise levels (NOT INCLUDED)  The Subconsultant shall prepare a draft environmental decision document will succinctly summarize the prime aspects of the project that influence FHWA's environmental decision. At a minimum the decision document will succinctly summarize the prime aspects of the project that influence FHWA's environmental decision. At a minimum the decision of why the preferred alternative was chosen of location and termini), a summary of the Need and Purpose statement, an explanation of why the preferred alternative was chosen of location and termini), a summary of the Need and Purpose statement, an explanation of why the preferred alternative was chosen of the normal decision document shall include a brief description of the project direction gives a common of why the preferred alternative was chosen of location and termini), a summary of the Need and Purpose attempting actions (if any) for the project impacts, and a justification as to why the improved aimfailed excision. At a minimum the decision of why the preferred alternative was chosen of location and termini), a summary of all the proposed mitigate actions (if any) for the project impacts, and a justification as to why the improved aimfailed actions (if any) for the project impacts, and a justification as to why the improved aimfailed actions (if any) for the project impacts and accordance with the February 20, 2009 memorandum from the FHWA Texa ecom		$\dashv$					•							
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ccomplished with the Federal Highway Administration (FHWA) approved Traffic Noise Model	Perform computer modeling of existing (if not obtained formuch field measurements) and predicted noise levels. Modeling shall be	,						Division. One ha	ardy copy deliveral	ble will be sub	mitted to Dannn	enbaum to copy docum	ent and provide copies	to stakeholders,
The state of the s	accomplished with the Federal Highway Administration (FHWA) approved Traffic Noise Model													
echnical Expert: Determine predicted noise impact contours for undeveloped property	Technical Expert: Determine predicted noise impact contours for undeveloped property	]						<u> </u>						

			-						<u> </u>			1	
SPECIAL SERVICES (FC 120)	, ,			Scientist	Scientist	Scientist	Scientist		Civil E	nnineer			
	Project	Project	Civil Engineer	(Community	(Enviromental	(Enviromental	(Haz. Material	Civil Engineer		vice   CAI			Task Cost
ENVIRONMENTAL SERVICES	Engineer (IV)	Engineer (IV)	Olvii Engilicei	(mpact)	Review)	Review)	Review)	(Air Quality)		yses) Techn	ilcian Clerical	HOURS	
TASK DESCRIPTION				Imposy	,				i				
Technical Expert: Water Quality studies				f .			Deliverables:		<del>-</del>	<del>.</del>			
	]			1								1 1 1 1 1 1 1 1 1	
		-		-			The Subconsultar	nt shall conduct an i	internal q	luality assurance an	nd quality control review of and reviewed by TxDO	in each deliverable bet C the Subsequitant sh	ore it is submitted to the
				•			County/State for r	eview. After the dra	it delive	ables are submitted	nental Affairs Division, Tx	n, the Subconsultant sin	all revise and resubmit
1	1						Administration.	audiess all commi	ents rece	avea ((om Enviloni)	lelital Allalis Division, 17	DOT LUICOO DIBINOI GI	d the rederait lightway
Perform wetland delineations (NONE)	-						7 tominotration.				· · · · · · · · · · · · · · · · · · ·		
Perform wild and scenic river studies (NOT INCLUDED)	-						Assume classifica	tion letter results in	Environ	mental Assessment	t document and project o	btains FONSI.	· · · · · · · · · · · · · · · · · · ·
Perform floodplain impact studies (by dannenbaum)	1					•			<u> </u>				
Perform coastal barrier studies (NOT INCLUDED)	1												
	,										VA review will be printed	double sided. Subcons	sultant is not responsible
Perform coastal zone impact studies (NOT INCLUDED)							for distribution/ma	iling of Draft or Fina	al Enviro	nmental Assessmei	nts.	·	
							•						
									1				
	1			•		•							
United States Coast Guard Section 9 Permit (NOT INCLUDED)	_												
Section 10 of the Rivers and Harbors Act (33 U.S.C. 403) (NOT INCLUDED)	1												
Perform water body modifications and wildlife impact studies (NOT INCLUDED)	_	•									•		
Threatened and endangered species. NONE	4		•										
Survey for protected species habitat NONE	4												
Survey shall be performed for T & E species on the El Paso County TPWD and USFWS lists (no species specific surveys are anticipated). NONE				:					:				
Check for presence of designated critical habitat (NONE)	1				•								
Habitat analysis (Entire project area not just Threatened and Endangered Species) NONE	1												
Analysis of stream modifications (if any) and associated habitats NONE	1												1
	1					·		•					,
Early coordination with United States Fish and Wildlife Service (USFWS) / Texas Parks and Wildlife Department (TPWD)													
(indicate which) (coordination with both USFWS and TPWD)	4	•									•		
Perform invasive species studies NONE	-{												
Perform essential fish habitat studies (NOT INCLUDED)	-[												
Perform beneficial landscaping studies NONE.	-{			s.			•						
Determine farmland impacts NONE Perform hazardous materials studies	1			*						1			
Archeological studies: NONE.	1			:									
Perform archeological background studies NONE	1										4	•	
Perform archeological background studies NONE					<b>V</b> 4		·						
Perform an archeological reconnaissance survey (NOT INCLUDED)	_												l
Perform an archeological intensive survey (NOT INCLUDED)	_											•	l
Identify Native American tribes for consultation (NOT INCLUDED)	]												l
Identify and seek the views of consulting parties (NOT INCLUDED)													l
Identify and seek the views of local historical and archeological societies, county historical commissioners, and other individuals or						•							l
organizations (NOT INCLUDED)	-											•	l
Perform early coordination with the State Historic Preservation Officer (SHPO) (NOT INCLUDED)	4												l
Historic Resource Studies: Consultant will prepare the Pre-coordination Request (PCR) form NONE	-												
Reconnaissance Survey (NOT INCLUDED)	-												
Intensive Survey (NOT INCLUDED)	4		•										ļ
Perform visual impact studies (NOT INCLUDED)	4												1
Perform construction impact studies (NOT INCLUDED)	-												
Perform Section 4(f) evaluations	1												
Perform services as summarized in the summary of hours above	1												
Alternatives to be considered:	1												
A. No build	1												
B. Widening along the existing corridor	]										•		
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