

**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. Loop 20 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.

Error No. 2 was a clerical error resulting in the "maximum amount payable under this Work Authorization" 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.

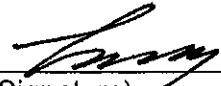
PART II. The maximum amount payable under this Work Authorization is \$1,917,444.78 and the method of payment is lump sum. This amount is based upon the maximum amount payable set forth in Work Authorization No. 1 and as modified by Supplemental Work Authorization Nos.1 and 2.

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



(Signature)

Louis H. Jones, P.E.

(Printed Name)

Principal

(Title)

1/29/15

(Date)

THE COUNTY

(Signature)

(Printed Name)

(Title)

(Date)

LIST OF EXHIBITS

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

ATTACHMENT E-4 (9/4/2014)
 DETAILED FEE SCHEDULE FOR PHASE I (ADVANCED PROJECT DEVELOPMENT SERVICES) SUPPORTING LUMP SUM CALCULATIONS
 DANNENBAUM ENGINEERING CORP PHASE I

Contract No
 PHASE

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

SPECIAL SERVICES (FC 120) ENVIRONMENTAL SERVICES TASK DESCRIPTION	Project Engineer (IV)	Project Engineer (IV)	Civil Engineer	Scientist (Community Impact)	Scientist (Environmental Review)	Scientist (Environmental Review)	Scientist (Haz. Material Review)	Civil Engineer (Air Quality)	Civil Engineer (Noise Analyses)	CADD Technician	Administration/ Clerical	Total LABOR HOURS	Task Cost
III. SOCIAL, ECONOMIC AND ENVIRONMENTAL STUDIES AND PUBLIC INVOLVEMENT													
FC 120 - SOCIAL, ECONOMIC AND ENVIRONMENTAL 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													
• CONDUCT NOISE AND AIR QUALITY ANALYSIS													
• CONDUCT ECOLOGICAL INVESTIGATION/REVIEW OF EXISTING INFORMATION													
• CONDUCT SOCIAL-ECONOMIC INVESTIGATION/REVIEW OF EXISTING INFORMATION													
***LOOP 20 ENVIRONMENTAL DOCUMENTS PRODUCED IN THE PAST IS THE EXISTING INFORMATION TO BE REVIEWED													
PROJECT MANAGEMENT													
PROJECT MANAGEMENT AND DOCUMENT PREPARATION	30	8									2	40	\$ 5,545.04
AZB COORDINATION	32	8										40	\$ 5,694.80
COORDINATION WITH AMATERRA, TXDOT STAFF	30	8										38	\$ 5,410.06
CONTRACT ADMINISTRATION	40										0	40	\$ 5,694.80
TEAM MEETING IN LAREDO (THREE MEETINGS)	24	0										24	\$ 3,416.88
EA PREPARATION													
PRELIMINARY REPORT PREP/COMMENT RESPONSE	8	40		16							0	64	\$ 9,111.68
EXHIBITS/FIGURES/COORDINATION	4	16								20		40	\$ 4,906.80
PERMIT IDENTIFICATION (ACTUAL PERMITS NOT INCLUDED)	0	0			20							20	\$ 2,847.40
GIS/GRAPHICS	0	0								20		20	\$ 2,059.40
DRAFT REPORT PREP/COMMENT RESPONSE	2	30		20							0	52	\$ 7,403.24
FINAL REPORT PREP/COMMENT RESPONSE	2	20		10							0	32	\$ 4,555.84
11-PAGE TXDOT FORM	0	0									0	0	\$ -
DRAFT ENV. DECISION DOCUMENT	0	0									0	0	\$ -
FINAL ENV. DECISION DOCUMENT	0	0									0	0	\$ -
QUALITY ASSURANCE/QUALITY CONTROL	0	0									0	0	\$ -
SOCIAL, ECONOMIC, AND ENVIRONMENTAL STUDIES													
EXISTING FIELD DATA REVIEW	0	10		5			5					20	\$ 2,847.40
NEED AND PURPOSE	0	6										6	\$ 854.22
PAST REPORT REVIEW		8										8	\$ 1,138.96
TRAFFIC AND CRASH DATA REVIEW/ANALYSIS		0										0	\$ -
DOCUMENTATION		0									0	0	\$ -
ALTERNATIVES ANALYSIS													
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	\$ -
FIELD DATA COLLECTION / WINDSHIELD SURVEY ONLY (ONE VISIT)				14								14	\$ 1,993.18
POPULATION AND EJ ANALYSIS	4	0		36								40	\$ 6,518.56
EMPLOYMENT, TAX, AND BUSINESS EFFECTS	4	0		16						8		48	\$ 2,847.40
COMMUNITY AND RESIDENTIAL DISPLACEMENTS AND EFFECTS	4	0		24								20	\$ 3,986.36
LAND USE AND DEVELOPMENT REVIEW (DOCUMENTS PROVIDED BY DANNENBAUM)	4	0		24						0		28	\$ 3,986.36
AIR QUALITY													
NOISE	2	0						80				82	\$ 11,038.34
EXISTING CONDITIONS TRAFFIC NOISE MODELING												0	\$ -
DESIGN YEAR CONDITIONS TRAFFIC NOISE MODELING									40	0		40	\$ 5,376.80
BARRIER ANALYSIS									40	0		40	\$ 5,376.80
PREDICTED SOUND LEVELS AT UNDEVELOPED LANDS									24	0		24	\$ 3,226.08
PREPARE NOISE IMPACT ASSESSMENT		0							2	0		2	\$ 268.84
QA/QC	2	8							8	0	0	8	\$ 1,075.36
BIOLOGICAL AND WATER RESOURCES (review of existing environmental documents)													
FIELD SURVEY (REVIEW PREVIOUS SURVEYS ONLY)	8	0	4		80	0	24					116	\$ 16,483.12
REVIEW SUMMARY	2	4			30	4						40	\$ 5,694.80
SOILS AND FARMLANDS		2								8		10	\$ 1,108.50
GEOLOGY		6										6	\$ 854.22
CULTURAL & HISTORICAL RESOURCES												0	\$ -

ATTACHMENT E-4 (9/4/2014)
 DETAILED FEE SCHEDULE FOR PHASE I (ADVANCED PROJECT DEVELOPMENT SERVICES) SUPPORTING LUMP SUM CALCULATIONS
 DANNENBAUM ENGINEERING CORP PHASE I

Contract No.
 PHASE I

SPECIAL SERVICES (FC 120) ENVIRONMENTAL SERVICES TASK DESCRIPTION	Project Engineer (IV)	Project Engineer (IV)	Civil Engineer	Scientist (Community Impact)	Scientist (Environmental Review)	Scientist (Environmental Review)	Scientist (Haz. Material Review)	Civil Engineer (Air Quality)	Civil Engineer (Noise Analyses)	CADD Technician	Administration/ Clerical	Total LABOR HOURS	Task Cost
SECTION 4(F)/6(F) ANALYSIS AND COORD.	0	0		0									
CONSTRUCTION IMPACTS		4	8	4						0		0	\$ -
HAZARDOUS MATERIALS REVIEW		0						4				20	\$ 2,752.00
ENVIRONMENTAL RECORDS REVIEW												0	\$ -
SITE VISIT							16					16	\$ 2,277.92
ADJACENT LAND USE							8					8	\$ 1,138.96
INTERVIEWS							20					20	\$ 2,847.40
REPORT PREP/COMMENT RESPONSE							0					0	\$ -
INDIRECT AND CUMULATIVE IMPACTS	0	0		0			12				0	12	\$ 1,708.44
REVIEW PLANNING DOCUMENTS		4								0		0	\$ -
PREPARE MPO/CITY QUESTIONNAIRE		8										4	\$ 569.48
MEETING WITH MPO AND CITY	4	4										8	\$ 1,138.96
COLLECT DATA, DOCUMENT, AND SUMMARIZE MEETINGS	4	8										8	\$ 1,138.96
MPO/CITY FOLLOW-UP		4										12	\$ 1,708.44
REVIEW RESOURCE IMPACTS PREVIOUSLY PREPARED		8										4	\$ 569.48
DOCUMENTATION		16										8	\$ 1,138.96
GRAPHICS	4	4									0	16	\$ 2,277.92
PUBLIC INVOLVEMENT	0	8								0		8	\$ 1,138.96
										0		8	\$ 1,138.96
HOURS SUB-TOTALS	214	242	12	169	130	4	85	84	114	56	2	1,112	
LABOR RATE PER HOUR	\$ 142.37	\$ 142.37	\$ 134.42	\$ 142.37	\$ 142.37	\$ 4	\$ 85	\$ 84	\$ 114	\$ 56	\$ 2	\$ 1,112	
DIRECT LABOR COSTS	\$ 30,467.18	\$ 34,453.54	\$ 1,613.04	\$ 24,060.53	\$ 18,508.10	\$ 569.48	\$ 12,101.45	\$ 11,291.28	\$ 15,323.88	\$ 5,766.32	\$ 134.98	\$ 154,289.78	
TOTAL	\$ 30,467.18	\$ 34,453.54	\$ 1,613.04	\$ 24,060.53	\$ 18,508.10	\$ 569.48	\$ 12,101.45	\$ 11,291.28	\$ 15,323.88	\$ 5,766.32	\$ 134.98	\$ 154,289.78	
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%	
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%	CHECK
DIRECT EXPENSES	Rate	Unit	Amount										
81/2X11 copies (color) by dannenbaum	\$ -	each	2,680										\$ -
81/2X11 copies (b/w) by dannenbaum	\$ -	each	19,500										\$ -
11X17 copies (color) by dannenbaum	\$ -	each	3,900										\$ -
11X17 copies (b/w)	\$ -	each	0										\$ -
Mileage (8 RT)	\$ 0.62	miles	250										\$ -
Air Travel	\$ 600.00	Each	6										\$ 130.00
Hotel	\$ 82.00	each	6										\$ 3,600.00
Per Diem	\$ 51.00	day	11										\$ 492.00
Rental Car	\$ 65.00	day	11										\$ 561.00
Fuel for Rental Car	\$ 3.75	gallons	100										\$ 715.00
Overnight Carrier Cost (Letter Size)	\$ 22.00	each	20										\$ 375.00
Overnight Carrier Cost (Oversized Box)	\$ 300.00	each	1										\$ 440.00
Hazmat Database Search	\$ 1,200.00	each	1										\$ 300.00
GPS Daily Use Fee	\$ -	day	0										\$ 1,200.00
Curation Fee (Archeology)	\$ -	drawer	0										\$ -
Field Supplies (lathes/paint/flagging)	\$ -	day	0										\$ -
CDs	\$ -	each	0										\$ -
TOTAL DIRECT EXPENSES													\$ 23.53
TOTAL ENVIRONMENTAL SERVICES													\$ 7,836.53
ASSUMPTIONS:													\$ 162,131.00

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 described in the summary of hours and in this section

Obtain right of entry to perform environmental services (Dannenbaum)

Develop letters or other materials for seeking right of entry (Dannenbaum)

Public Involvement activities: (Dannenbaum)

Develop public involvement plan (Dannenbaum)

Compile and maintain mailing list (Dannenbaum)

Special Provisions:

Management and Coordination

Environmental Document development project duration schedule assumed to be no longer than 6 months. Draft and Pre-Final or Final Environmental Document will be submitted within 6 months. Additional time will require supplemental to further develop or finalize environmental document, or Dannenbaum can update the environmental document, finalize and coordinate with agencies for FONSI if supplemental is not executed. Assumes 1-hour conference call attendance by one Subconsultant staff, once a week for project duration.

Literature Review and Secondary Data Collection

Data collection to consist of one site visit for 3 days 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 a list of adjacent property owners, obtain and provide ROE for all necessary environmental field surveys.

Natural Resources

ATTACHMENT E-4 (9/4/2014)
 DETAILED FEE SCHEDULE FOR PHASE I (ADVANCED PROJECT DEVELOPMENT SERVICES) SUPPORTING LUMP SUM CALCULATIONS
 DANNENBAUM ENGINEERING CORP PHASE I

Contract No.
 PHASE I

SPECIAL SERVICES (FC 120) ENVIRONMENTAL SERVICES TASK DESCRIPTION	Project Engineer (IV)	Project Engineer (IV)	Civil Engineer	Scientist (Community Impact)	Scientist (Environmental Review)	Scientist (Environmental Review)	Scientist (Haz. Material Review)	Civil Engineer (Air Quality)	Civil Engineer (Noise Analyses)	CADD Technician	Administration/ Clerical	Total LABOR HOURS	Task Cost
Make arrangements for public meeting (Dannenbaum)													It is assumed that one windshield survey will be scheduled and conducted. This scope of work does not include USACE 404 permitting. It is assumed that permitting under the Nationwide 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 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) from the Federal Emergency management Agency. This scope of work does not include a pre-nesting bird survey prior to construction. This scope of work does not include the development of a Stormwater Pollution Prevention Plan (SWPPP)
Provide one staff member to attend one Public Meeting and one Public Hearing													
Develop summary of public meeting and responses to comments (Dannenbaum)													
Make arrangements for public hearing (Dannenbaum)													
Provide one staff member to attend a public hearing.													
Develop comment and response report, summary and analysis and other information from public hearing (Dannenbaum)													
Develop and send acknowledgement / response letters to commenters (Dannenbaum)													
Develop, publish, and distribute newsletter (Dannenbaum)													
Develop and maintain web site (Dannenbaum)													
Analysis of social and economic impacts, including:													
Identify and evaluate social and economic impacts													
Identify property owners and tenants adjacent to the roadway project													
Identify potential displacements (none)													
Perform public contact and public involvement to gather information from individuals and communities regarding social impacts (by dannenbaum)													
Estimate the losses and gains to tax revenues (by dannenbaum)													
Estimate losses and gains using a computer model (NOT INCLUDED)													
Identify current and anticipated land uses with surveys and land use plans (by dannenbaum)													
Incorporate subdivision plats into identification of current and anticipated land uses. (by dannenbaum)													
Evaluate travel modes and patterns. Evaluation also shall incorporate:													
Predictive models (NOT INCLUDED)													
: Observation													
Public contact													
Identify and evaluate the potential for impacts to disabled and elderly individuals and populations													
Perform Environmental Justice analysis													
Perform indirect and cumulative impact studies													
Identify considerations impacting pedestrians and bicycles													
Perform air quality analysis to include a qualitative MSAT analysis													
: Perform a traffic noise analysis. The noise analysis also shall include:													
Take field measurements of existing noise levels (NOT INCLUDED)													
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													
Technical Expert: Determine predicted noise impact contours for undeveloped property													
Cultural Resources													
No windshield or other site/field surveys are included in this scope and contract.													
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 alternatives will be considered only in the vicinity of US 59 to University Blvd, each of approximate length of 3.75 miles.													
Public Involvement:													
Dannenbaum will perform all public involvement, including exhibits. One professional of the Subconsultant will attend one public meeting and one public hearing. Each is assumed to require 16 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 aerial 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 400' ROW and 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.													
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.													
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 Dannenbaum to copy document and provide copies to stakeholders, agencies, client, etc.													

ATTACHMENT E-4 (9/4/2014)
 DETAILED FEE SCHEDULE FOR PHASE I (ADVANCED PROJECT DEVELOPMENT SERVICES) SUPPORTING LUMP SUM CALCULATIONS
 DANNENBAUM ENGINEERING CORP PHASE I

Contract No.
 PHASE I

SPECIAL SERVICES (FC 120) ENVIRONMENTAL SERVICES TASK DESCRIPTION	Project Engineer (IV)	Project Engineer (IV)	Civil Engineer	Scientist (Community Impact)	Scientist (Environmental Review)	Scientist (Environmental Review)	Scientist (Haz. Material Review)	Civil Engineer (Air Quality)	Civil Engineer (Noise Analyses)	CADD Technician	Administration/ Clerical	Total LABOR HOURS	Task Cost
Technical Expert: Water Quality studies	<p>Deliverables:</p> <p>The Subconsultant shall conduct an internal quality assurance and quality 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 revise and resubmit the deliverables to address all comments received from Environmental Affairs Division, TxDOT Laredo District and the Federal Highway Administration.</p> <p>Assume classification letter results in Environmental Assessment document and project obtains FONSI.</p> <p>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.</p>												
Perform wetland delineations (NONE)													
Perform wild and scenic river studies (NOT INCLUDED)													
Perform floodplain impact studies (by dannenbaum)													
Perform coastal barrier studies (NOT INCLUDED)													
Perform coastal zone impact studies (NOT INCLUDED)													
United States Coast Guard Section 9 Permit (NOT INCLUDED)													
Section 10 of the Rivers and Harbors Act (33 U.S.C. 403) (NOT INCLUDED)													
Perform water body modifications and wildlife impact studies (NOT INCLUDED)													
Threatened and endangered species. NONE													
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 anticipated). NONE													
Check for presence of designated critical habitat (NONE)													
Habitat analysis (Entire project area not just Threatened and Endangered Species) NONE													
Analysis of stream modifications (if any) and associated habitats NONE													
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													
Perform essential fish habitat studies (NOT INCLUDED)													
Perform beneficial landscaping studies NONE													
Determine farmland impacts NONE													
Perform hazardous materials studies													
Archeological studies: NONE													
Perform archeological background studies NONE													
Perform archeological background studies NONE													
Perform an archeological reconnaissance survey (NOT INCLUDED)													
Perform an archeological intensive survey (NOT INCLUDED)													
Identify Native American tribes for consultation (NOT INCLUDED)													
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) (NOT INCLUDED)													
Historic Resource Studies: Consultant will prepare the Pre-coordination Request (PCR) form NONE													
Reconnaissance Survey (NOT INCLUDED)													
Intensive Survey (NOT INCLUDED)													
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													