

Dannenbaum Engineering Corporation

**Work Authorization No. 1
For
Reuthinger Extension of the
Hachar Reuthinger Road
(TxDOT CSJ 0922-33-166)
Webb County, Texas**

January 9, 2017

DANNENBAUM

ATTACHMENT D
WORK AUTHORIZATION
D-1
WORK AUTHORIZATION NO. 1
CONTRACT FOR ENGINEERING SERVICES

THIS WORK AUTHORIZATION is made pursuant to the terms and conditions of Article 5 of Engineering Contract No. _____ (the Contract) entered into by and between the County of Webb (County), and Dannenbaum Engineering Corporation (the Engineer).

PART I. The Engineer will perform engineering services generally described as 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 in accordance with the project description attached hereto and made a part of this Work Authorization. The responsibilities of the County and the Engineer as well as the work schedule are further detailed in exhibits A, B and C which are attached hereto and made a part of the Work Authorization.

PART II. The maximum amount payable under this Work Authorization is \$299,981.17 and the method of payment is **Lump Sum** as set forth in Attachment E of the Contract. This amount is based upon fees set forth in Attachment E, Fee Schedule, of the Contract and the Engineer's estimated Work Authorization costs included in Exhibit D, Summary of Fees, Fee Schedule, and Exhibit D-1 Detailed Fee Schedule, which are attached and made a part of this Work Authorization.

PART III. Payment to the Engineer for the services established under this Work Authorization shall be made in accordance with Articles 3 thru 5 of the contract, and Attachment A, Article 1 of this contract.


PART IV. This Work Authorization shall become effective on the date of final acceptance of the parties hereto and shall terminate on December 1, 2020 unless extended by a supplemental Work Authorization as provided in Attachment A, Article 1.

PART V. This Work Authorization does not waive the parties' responsibilities and obligations provided under the Contract.

IN WITNESS WHEREOF, this 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)

Tano E. Tijerina

(Printed Name)

Principal

(Title)

Webb County Judge

(Title)

(Date)

(Date)

LIST OF EXHIBITS

Exhibit A	Services to be provided by the County
Exhibit B	Services to be provided by the Engineer
Exhibit C	Work Schedule
Exhibit D	Detailed Fee Schedule/Budget
Exhibit H-2	Subprovider Monitoring System Commitment Agreement

EXHIBIT D

Fee Schedule

EXHIBIT D

DETAILED FEE SCHEDULE

Hachar Roadway - Reuthinger Tract

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 - ADVANCED PROJECT DEVELOPMENT SERVICES SUMMARY BY FUNCTION CODES										\$299,981.17												
	PRIME		DBE		DBE		DBE		NON-DBE													
Function Codes	Dannenbaum Engineering Corporation		Arredondo, Zepeda&Brunz, LLC		Blanton		Aerial Data Services, Inc.		Gilpin Engineering Company													
	Hrs	Fee	Hrs	Fee	Hrs	Fee	Hrs	Fee	Hrs	Fee												
FC 102 Feasibility Studies																						
FC 110 Route and Design Studies	363	\$ 38,241.86	0	\$ -																		
FC 120 Social, Economic and Environmental Studies and Public Involvement	380	\$ 47,299.08	825	\$ 115,133.60	384	\$35,084.00																
FC 130 Right of Way Data									6	\$ 838.11												
FC 150 Field Surveying								\$ 20,000.00	164	\$ 22,331.43												
FC 161 Drainage	144	\$ 16,296.56																				
Direct Expenses				\$ 1,551.53		\$3,205.00																
Total	887	\$ 101,837.50	825	\$ 116,685.13	384	\$ 38,289.00	0	\$ 20,000.00	170	\$ 23,169.54												
Percent Participation	33.95%		38.90%		12.76%		6.67%		7.72%													
<p>% PARTICIPATION =</p> <table border="0"> <tr> <td>NON-DBE</td> <td>\$</td> <td>125,007.04</td> <td>41.67%</td> </tr> <tr> <td>DBE</td> <td>\$</td> <td>174,974.13</td> <td>58.33%</td> </tr> <tr> <td>TOTAL</td> <td>\$</td> <td>299,981.17</td> <td>100.00%</td> </tr> </table>											NON-DBE	\$	125,007.04	41.67%	DBE	\$	174,974.13	58.33%	TOTAL	\$	299,981.17	100.00%
NON-DBE	\$	125,007.04	41.67%																			
DBE	\$	174,974.13	58.33%																			
TOTAL	\$	299,981.17	100.00%																			

Exhibit D
 Fee Schedule for Engineering Svcs Supporting Lump Sum Calculations
 Hachar Lp - Ph I From Old Mines Rd to Beltway Parkway
 Phase A - Partial Adv Planning/Schem/Env
 Incl In El Pico 24 Inch Water Line

NO. OF DWGS	SHEET	SPECIAL SERVICES TASK DESCRIPTION	Principal/PM	Senior Engineer Civil	Senior Engineer Bridge	Senior Designer	CADD Operator/ Tech	Clerical	Total Labor Hrs.	Task Cost
		FC 110 - PRELIMINARY DESIGN								
		PROJECT MANAGEMENT/PUBLIC INVOLVEMENT - (Included in base contract)							0	\$ -
		PROJECT LAYOUT/SCHEMATIC DESIGN (ULTIMATE 6 LN FREEWAY/ PH 1 - 5 LN)		24		40	160		224	\$ 23,028.00
		DEVELOP GEOPAK CROSS SECTIONS		4		36	16			\$ 6,076.08
		9 - EXISTING & PROP TYPICAL SECTIONS - (Included in base contract)							0	\$ -
		9 - PRELIMINARY ESTIMATE & QUANTITIES		1	4	12	24		41	\$ 4,409.74
		6 - PRELIMINARY SUMMARY OF ROADWAY QUANTITIES		4		12	16		32	\$ 3,516.72
		3 - PRELIMINARY SUMMARY OF CULVERT QUANTITIES		2		4	4		10	\$ 1,211.32
0		SUB-TOTAL - FC 110 - PRELIMINARY DESIGN	0	35	4	104	220	0	363	\$ 38,241.86
HOURS SUB-TOTALS										
			0	35	4	104	220	0	363	
		LABOR RATE PER HOUR	\$ 327.93	\$ 225.50	\$ 225.50	\$ 106.64	\$ 83.44	\$ 64.89		
		DIRECT LABOR COSTS	\$ -	\$ 7,892.50	\$ 902.00	\$ 11,090.56	\$ 18,356.80	\$ -	\$ 38,241.86	
		TOTAL	\$ -	\$ 7,892.50	\$ 902.00	\$ 11,090.56	\$ 18,356.80	\$ -	\$ 38,241.86	
		PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON FEE)	0.00%	20.64%	2.36%	29.00%	48.00%	0.00%	100.00%	
		PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON MANHOURS)	0.00%	9.64%	1.10%	28.65%	60.61%	0.00%	100.00%	
0		TOTAL SPECIAL SERVICES	0	35	4	104	220	0	363	\$ 38,241.86
TOTAL DANNENBAUM DIRECT EXPENSES (FROM BELOW)										
										\$ -
DIRECT EXPENSES										
PLOTS (BW 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)										\$ -
TOTAL DIRECT EXPENSES										\$ -
ASSUMPTIONS										
1. Set 14 Aerial Targets					8. No Roadway Drainage					
2. Roadway is designed as Asphalt Road with open ditches, cross culverts only										

EXHIBIT D
 Fee Schedule for Engineering Svcs Supporting Lump Sum Calculations
 Hachar Ln - Ph I From Old Mines Rd to Beltway Parkway
 Phase A - Partial Adv Planning/Schem/Env
 Incl In B Pico 24 Inch Water Line

NO. OF DWGS	SHEET	SPECIAL SERVICES TASK DESCRIPTION	Principal/PM	Senior Engineer Civil	Senior Engineer Bridge	Senior Designer	CADD Operator/ Tech	Clerical	Total Labor Hrs.	Task Cost
		3. 6. Number of outfalls = 3 culverts. An increase; then increase will be handled as separate Work Authorization								
		4. Detention Pond design is not included, if required, will be handled as a separate Work Authorization								
		5. Detention Pond design is not included, if required, will be handled as a separate Work Authorization								
		6. No FEMA Submittals								
		7. No LOMR (FEMA-Letter of Map Revision) or CLOMR (FEMA-Conditional Letter of Map Revision) Included. Will be handled as separate Work Authorizations								

EXHIBIT D
 Fee Schedule for Engineering Svcs Supporting Lump Sum Calculations
 Hachar Lp - Ph I From Old Mines Rd to Beltway Parkway
 Phase A - Partial Adv Planning/Schem/Env
 Incl in El Pico 24 Inch Water Line

SPECIAL SERVICES (FC 161) PRELIMINARY HYDROLOGIC ANALYSIS TASK DESCRIPTION	Senior Engineer- Civil	Engineer	Senior Designer	CADD Operator/ Tech	Clerical	Total Labor Hrs.	Remarks	Task Cost
DRAINAGE IMPACT ANALYSIS								\$ -
DATA COLLECTION/ SITE VISITS		8		8				\$ 1,724.24
COMPUTE ON-SITE DRAINAGE AREAS		16		16				\$ 3,448.48
COMPUTE ON-SITE PEAK FLOWS FOR EXISTING CONDITIONS		16		16				\$ 3,448.48
COMPUTE ON-SITE PEAK FLOWS FOR PROPOSED CONDITIONS		16		16				\$ 3,448.48
DEVELOP RUNOFF HYDROGRAPH FOR EXISTING AND PROPOSED CONDITIONS		16						\$ 2,113.44
COMPUTE PRELIMINARY DETENTION STORAGE BASED ON HYDROGRAPH DIFFERENCES		8						\$ 1,056.72
SELECT DETENTION LOCATION AND SIZE BASED ON PRELIMINARY DETENTION STORAGE		8						\$ 1,056.72
SUB-TOTAL -	0	88	0	56	0	144		\$ 16,296.56
TOTAL DIRECT EXPENSES (FROM BELOW)								\$0.00
TOTAL - INCLUDING DIRECT EXPENSES								\$ 16,296.56
TOTAL								\$ 16,296.56
HOURS SUB-TOTALS	0	88	0	56	0	144		
LABOR RATE PER HOUR	\$ 225.50	\$ 132.09	\$ 106.64	\$ 83.44	\$ 64.89			
DIRECT LABOR COSTS	\$ -	\$ 11,623.92	\$ -	\$ 4,672.64	\$ -	\$ 16,296.56		
TOTAL	\$ -	\$ 11,623.92	\$ -	\$ 4,672.64	\$ -	\$ 16,296.56		
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON FEE)	0.00%	71.33%	0.00%	28.67%	0.00%	100.00%	CHECK	
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON MANHOURS)	0.00%	61.11%	0.00%	38.89%	0.00%	100.00%	\$ 16,296.56	
DIRECT EXPENSES								
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 required, will be handled as a separate Work Authorization								
3. No LOMAR or CLOMER Included. Will be handled as separate Work Authorizations								

EXHIBIT D -
 Fee Schedule for Engineering Svcs Supporting Lump Sum Calculations
 Hachar Lp - Ph I From 0.1 miles east of Beltway Parkway to I-35
 frontage Partial Adv Planning/Schem/Env

MAXIMUM AMOUNT PAYABLE													
PHASE I - ADVANCED PROJECT DEVELOPMENT SERVICES													
ENVIRONMENTAL ASSESSMENT													
Dannenbaum Self Perform													
PHASE I													
SPECIAL SERVICES (FC 120) ENVIRONMENTAL SERVICES TASK DESCRIPTION	Project Engineer (IV)	Project Engineer (IV)	Civil Engineer	Scientist (Community Impact)	Scientist (Env. Review)	Scientist (Env. 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													
• CONDUCT PUBLIC INVOLVEMENT													
• CONDUCT CULTURAL RESOURCE INVESTIGATION													
• 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													
GEOLOGY review													
PROJECT MANAGEMENT													
PROJECT MANAGEMENT AND DOCUMENT PREPARATION (by Dannenbaum)													
AZB COORDINATION													
COORDINATION WITH TxDOT (by Dannenbaum)													
CONTRACT ADMINISTRATION (by Dannenbaum)													
TEAM MEETING IN LAREDO (FIVE MEETINGS)													
EA PREPARATION (by Dannenbaum)													
PRELIMINARY REPORT PREP/COMMENT RESPONSE (by Dannenbaum)													
EXHIBITS/FIGURES/COORDINATION (figures provided by dannenbaum)													
PERMIT IDENTIFICATION (ACTUAL PERMITS NOT INCLUDED)													
GIS/GRAPHICS (figures provided by Dannenbaum)													
DRAFT REPORT PREP/COMMENT RESPONSE (by Dannenbaum)													
FINAL REPORT PREP/COMMENT RESPONSE (by Dannenbaum)													
11-PAGE TxDOT FORM (by Dannenbaum)													
DRAFT ENV. DECISION DOCUMENT (by Dannenbaum)													
FINAL ENV. DECISION DOCUMENT (by Dannenbaum)													
QUALITY ASSURANCE/QUALITY CONTROL (by Dannenbaum)													
SOCIAL, ECONOMIC, AND ENVIRONMENTAL STUDIES													
EXISTING FIELD DATA REVIEW													
NEED AND PURPOSE													
PAST REPORT REVIEW													
TRAFFIC AND CRASH DATA REVIEW/ANALYSIS													
DOCUMENTATION													
ALTERNATIVES ANALYSIS (by dannenbaum)													
PLANNING DOCUMENTS, STIP, MTP, FUNDING REVIEW (by dannenbaum)													
ALTERNATIVES DEVELOPMENT WRITE-UP & DESCRIPTIONS (by dannenbaum)													
SOCIOECONOMIC REVIEW OF EXISTING INFORMATION													
FIELD DATA COLLECTION / WINDSHIELD SURVEY ONLY (TWO VISITS)													
POPULATION AND EJ ANALYSIS													
EMPLOYMENT, TAX, AND BUSINESS EFFECTS													
COMMUNITY AND RESIDENTIAL DISPLACEMENTS AND EFFECTS													
LAND USE AND DEVELOPMENT REVIEW													
AIR QUALITY													
NOISE													
EXISTING CONDITIONS TRAFFIC NOISE MODELING													
DESIGN YEAR CONDITIONS TRAFFIC NOISE MODELING													
BARRIER ANALYSIS													
PREDICTED SOUND LEVELS AT UNDEVELOPED LANDS													
PREPARE NOISE IMPACT ASSESSMENT													
QA/QC													
BIOLOGICAL AND WATER RESOURCES (review of existing environmental documents)													
FIELD SURVEY													
REVIEW SUMMARY													
SOILS AND FARMLANDS review													
GEOLOGY review													

EXHIBIT D
 Fee Schedule for Engineering Svcs Supporting Lump Sum Calculations
 Hachar Lp - Ph I From 0.1 miles east of Beltway Parkway to I-35 frontage
 Partial Adv Planning/Schem/Env

SPECIAL SERVICES (FC 120) ENVIRONMENTAL SERVICES TASK DESCRIPTION	Project Engineer (IV)	Project Engineer (IV)	Civil Engineer	Scientist (Community Impact)	Scientist (Env. Review)	Scientist (Env. Review)	Scientist (Haz. Material Review)	Civil Engineer (Air Quality)	Civil Engineer (Noise Analyses)	CADD Technician	Administration/ Clerical	Total LABOR HOURS	Task Cost
CULTURAL & HISTORICAL RESOURCES													\$ -
SECTION 4(F)(6)(F) ANALYSIS AND COORD.													\$ -
CONSTRUCTION IMPACTS													\$ -
HAZARDOUS MATERIALS REVIEW													\$ -
ENVIRONMENTAL RECORDS REVIEW													\$ -
SITE VISIT													\$ -
ADJACENT LAND USE													\$ -
INTERVIEWS (none)													\$ -
REPORT PREP/COMMENT RESPONSE													\$ -
INDIRECT AND CUMULATIVE IMPACTS													\$ -
REVIEW PLANNING DOCUMENTS													\$ -
PREPARE MPO/CITY QUESTIONNAIRE													\$ -
MEETING WITH MPO AND CITY													\$ -
COLLECT DATA, DOCUMENT, AND SUMMARIZE MEETINGS													\$ -
MPO/CITY FOLLOW-UP													\$ -
REVIEW RESOURCE IMPACTS PREVIOUSLY PREPARED													\$ -
DOCUMENTATION													\$ -
GRAPHICS													\$ -
PUBLIC INVOLVEMENT FOUR MEETINGS													\$ -
TOTAL FC 120 - SOCIAL, ECONOMIC AND ENVIRONMENTAL STUDIES AND PUBLIC INVOLVEMENT	70	108	0	46	32	0	0	0	0	70	54	380	\$ 47,299.08
HOURS SUB-TOTALS	70	108	0	46	32	0	0	0	0	70	54	380	
LABOR RATE PER HOUR	\$ 142.37	\$ 142.37	\$ 134.42	\$ 142.37	\$ 142.37	\$ 142.37	\$ 142.37	\$ 134.42	\$ 134.42	\$ 102.97	\$ 67.49		
DIRECT LABOR COSTS	\$ 9,965.90	\$ 15,375.96	\$ -	\$ 6,549.02	\$ 4,555.84	\$ -	\$ -	\$ -	\$ -	\$ 7,207.90	\$ 3,644.46	\$ 47,299.08	
TOTAL	\$ 9,965.90	\$ 15,375.96	\$ -	\$ 6,549.02	\$ 4,555.84	\$ -	\$ -	\$ -	\$ -	\$ 7,207.90	\$ 3,644.46	\$ 47,299.08	
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON FEE)	21.07%	32.51%	0.00%	13.85%	9.63%	0.00%	0.00%	0.00%	0.00%	15.24%	7.71%	100.00%	CHECK
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON MANHOURS)	18.42%	28.42%	0.00%	12.11%	8.42%	0.00%	0.00%	0.00%	0.00%	18.42%	14.21%	100.00%	\$ 47,299.08
DIRECT EXPENSES	Rate	Unit	Amount										
Historic/Archaeological		1.00	0										\$ -
8 1/2X11 copies (color) by dannenbaum	\$ -	each	2,680										\$ -
8 1/2X11 copies (b/w) by dannenbaum	\$ -	each	18,500										\$ -
11X17 copies (color) by dannenbaum	\$ -	each	3,900										\$ -
11X17 copies (b/w)		each	0										\$ -
Mileage (8 RT)		miles	6,000										\$ -
Air Travel		Each	8										\$ -
Hotel		each	31										\$ -
Per Diem		day	41										\$ -
Rental Car		day	18										\$ -
Fuel for Rental Car		gallons	100										\$ -
Overnight Carrier Cost (Letter Size)		each	24										\$ -
Overnight Carrier Cost (Oversized Box)		each	13										\$ -
Hazmat Database Search		each	1										\$ -
GPS Dolly Use Fee	\$ -	day	0										\$ -
Curator Fee (Archology)	\$ -	drawer	0										\$ -
Field Supplies (lathes/paint/planning)	\$ -	day	0										\$ -
CDs		each	0										\$ -
TOTAL DIRECT EXPENSES			0										\$ -
TOTAL ENVIRONMENTAL SERVICES													\$ 47,299.08
ASSUMPTIONS:													
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: AZ&B will prepare materials for environmental impacts of public meeting. Dannenbaum will provide roadway & technical info													
Develop public involvement plan - jointly developed													
Compile and maintain mailing list (Dannenbaum)													
Special Provisions:													
Management and Coordination													
Environmental Document development project duration schedule assumed to be no longer than 9 months. Draft and Pre-Final or Final Environmental Document will be submitted within 8 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 two site visits for 5 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													

EXHIBIT D
 Fee Schedule for Engineering Svcs Supporting Lump Sum Calculations
 Hachar Lp - Ph I From 0.1 miles east of Beltway Parkway to I-35 frontage
 Partial Adv Planning/Schem/Env

SPECIAL SERVICES (FC 120) ENVIRONMENTAL SERVICES TASK DESCRIPTION	Project Engineer (IV)	Project Engineer (IV)	CIVI Engineer	Scientist (Community Impact)	Scientist (Env. Review)	Scientist (Env. 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 two 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 two staff members to attend one Public Meeting and one Public Hearing													Cultural Resources
AZ&B will develop summary of public meeting and responses to comments													Windshield survey will be conducted by Blanton and Associates
Make arrangements for public hearing (Dannenbaum)													Field Surveys and Environmental Investigations
Provide one staff member to attend a public hearing.													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.
Develop comment and response report, summary and analysis and other information from public hearing (Dannenbaum)													Alternatives
Develop and send acknowledgement / response letters to commenters. (Dannenbaum)													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
Develop, publish, and distribute newsletter (Dannenbaum)													Public Involvement:
Develop and maintain web site (Dannenbaum)													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 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.
Analysis of social and economic impacts, including:													Air Quality:
Identify and evaluate social and economic impacts													Air Quality Analysis includes a qualitative Mobile Source Air Toxics (MSAT) analysis. MSAT quantitative analysis is not included in this scope.
Identify property owners and tenants adjacent to the roadway project													Noise:
Identify potential displacements													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.
Perform public contact and public involvement to gather information from individuals and communities regarding social impacts (by dannenbaum)													Hazardous Materials/Phase I ESA
Estimate the losses and gains to tax revenues													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.
Estimate losses and gains using a computer model (NOT INCLUDED)													Socioeconomics
Identify current and anticipated land uses with surveys and land use plans													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.
Incorporate subdivision plans into identification of current and anticipated land uses.													Section 4(f) Evaluation
Evaluate travel modes and patterns. Evaluation also shall incorporate:													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.
Predictive models (NOT INCLUDED)													Environmental Decision Document:
: 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:													

EXHIBIT D
 Fee Schedule for Engineering Svcs Supporting Lump Sum Calculations
 Hachar Lp - Ph I From 0.1 miles east of Beltway Parkway to I-35 frontage
 Partial Adv Planning/Schem/Env

SPECIAL SERVICES (FC 120) ENVIRONMENTAL SERVICES TASK DESCRIPTION	Project Engineer (IV)	Project Engineer (IV)	Civil Engineer	Scientist (Community Impact)	Scientist (Env. Review)	Scientist (Env. Review)	Scientist (Haz. Material Review)	Civil Engineer (Air Quality)	Civil Engineer (Noise Analyses)	CADD Technician	Administration/ Clerical	Total LABOR HOURS	Task Cost
<p>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</p> <p>Technical Expert: Determine predicted noise impact contours for undeveloped property</p> <p>Technical Expert: Water Quality studies</p>													<p>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 term), 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.</p>
<p>Perform wetland delineations</p> <p>Perform wild and scenic river studies (NOT required)</p> <p>Perform floodplain impact studies (by Dannenbaum)</p> <p>Perform coastal barrier studies (NOT Required)</p>													<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>Perform coastal zone impact studies (NOT REQUIRED)</p> <p>United States Coast Guard Section 9 Permit (NOT REQUIRED)</p> <p>Section 10 of the Rivers and Harbors Act (33 U.S.C. 403) (NOT REQUIRED)</p> <p>Perform water body modifications and wildlife impact studies</p> <p>Threatened and endangered species.</p> <p>Survey for protected species habitat</p> <p>Survey shall be performed for T & E species on the El Paso County TPWD and USFWS lists (no species specific surveys are anticipated).</p> <p>Check for presence of designated critical habitat</p> <p>Habitat analysis (Entire project area not just Threatened and Endangered Species)</p> <p>Analysis of stream modifications (if any) and associated habitats</p> <p>Early coordination with United States Fish and Wildlife Service (USFWS) / Texas Parks and Wildlife Department (TPWD) (indicate which) (coordination with both USFWS and TPWD)</p> <p>Perform invasive species studies</p> <p>Perform essential fish habitat studies (NOT INCLUDED)</p> <p>Perform beneficial landscaping studies NONE</p> <p>Determine farmland impacts NONE</p> <p>Perform hazardous materials studies</p> <p>Archeological studies:</p> <p>Perform archeological background studies</p> <p>Perform archeological background studies</p> <p>Perform an archeological reconnaissance survey</p> <p>Perform an archeological intensive survey</p> <p>Identify Native American tribes for consultation</p> <p>Identify and seek the views of consulting parties (NOT INCLUDED)</p> <p>Identify and seek the views of local historical and archeological societies, county historical commissioners, and other individuals or organizations</p> <p>Perform early coordination with the State Historic Preservation Officer (SHPO)</p> <p>Historic Resource Studies: Consultant will prepare the Pre-coordination Request (PCR) form</p> <p>Reconnaissance Survey</p> <p>Intensive Survey</p> <p>Perform Visual Impact studies</p> <p>Perform construction Impact studies</p> <p>Perform Section 4(f) evaluations</p> <p>Perform services as summarized in the summary of hours above</p> <p>Alternatives to be considered:</p> <p>A. No build</p> <p>B. Alignment Alternatives</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>

EXHIBIT D
 Fee Schedule for Engineering Svcs Supporting Lump Sum Calculations
 Hachar Lp - Ph I From 0.1 miles east of Beltway Parkway to I-35 frontage
 Partial Adv Planning/Schem/Env

MAXIMUM AMOUNT PAYABLE													
PHASE I - ADVANCED PROJECT DEVELOPMENT SERVICES													
ENVIRONMENTAL ASSESSMENT													
AZB, LLC.													
Hachar Loop Phase II, 3.5 MILES													
PHASE I													
SPECIAL SERVICES (FC 120) ENVIRONMENTAL SERVICES TASK DESCRIPTION	Project Engineer (IV)	Project Engineer (IV)	Civil Engineer	Scientist (Community Impact)	Scientist (Env. Review)	Scientist (Env. 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													
• CONDUCT PUBLIC INVOLVEMENT													
• CONDUCT CULTURAL RESOURCE INVESTIGATION													
• 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													
SCOPED TASKS WITH NO HOURS ARE HACHAR LOOP PH.1 (5 MILES) TASKS													
PROJECT MANAGEMENT													
PROJECT MANAGEMENT AND DOCUMENT PREPARATION (by Dannenbaum)													
AZB COORDINATION													
COORDINATION WITH TxDOT (by Dannenbaum)													
CONTRACT ADMINISTRATION (by Dannenbaum)													
TEAM MEETING IN LAREDO (FIVE MEETINGS)													
EA PREPARATION (by Dannenbaum)													
PRELIMINARY REPORT PREP/COMMENT RESPONSE (by Dannenbaum)													
EXHIBITS/FIGURES/COORDINATION (figures provided by dannenbaum)													
PERMIT IDENTIFICATION (ACTUAL PERMITS NOT INCLUDED)													
GIS/GRAPHICS (figures provided by Dannenbaum)													
DRAFT REPORT PREP/COMMENT RESPONSE (by Dannenbaum)													
FINAL REPORT PREP/COMMENT RESPONSE (by Dannenbaum)													
11-PAGE TXDOT FORM (by Dannenbaum)													
DRAFT ENV. DECISION DOCUMENT (by Dannenbaum)													
FINAL ENV. DECISION DOCUMENT (by Dannenbaum)													
QUALITY ASSURANCE/QUALITY CONTROL (by Dannenbaum)													
SOCIAL, ECONOMIC, AND ENVIRONMENTAL STUDIES													
EXISTING FIELD DATA REVIEW (2 site visits)													
				32	32							64	\$ 9,111.68
NEED AND PURPOSE													
PAST REPORT REVIEW													
TRAFFIC AND CRASH DATA REVIEW/ANALYSIS													
DOCUMENTATION													
ALTERNATIVES ANALYSIS (by dannenbaum)													
PLANNING DOCUMENTS, STIP, MTR, FUNDING REVIEW (by dannenbaum)													
ALTERNATIVES DEVELOPMENT WRITE-UP & DESCRIPTIONS (by dannenbaum)													
SOCIOECONOMIC REVIEW OF EXISTING INFORMATION													
FIELD DATA COLLECTION / WINDSHIELD SURVEY ONLY (TWO VISITS)													
		16		32	32				14			64	\$ 9,111.68
POPULATION AND EJ ANALYSIS													
		16										30	\$ 3,719.50
EMPLOYMENT, TAX, AND BUSINESS EFFECTS													
		8		32								40	\$ 5,694.80
COMMUNITY AND RESIDENTIAL DISPLACEMENTS AND EFFECTS													
		16		8								24	\$ 3,416.88
LAND USE AND DEVELOPMENT REVIEW													
		8					40					48	\$ 6,515.76
AIR QUALITY													
NOISE													
EXISTING CONDITIONS TRAFFIC NOISE MODELING													
			20									46	\$ 6,183.32
DESIGN YEAR CONDITIONS TRAFFIC NOISE MODELING													
			20									46	\$ 6,183.32
BARRIER ANALYSIS													
												26	\$ 3,494.92
PREDCITED SOUND LEVELS AT UNDEVELOPED LANDS													
												8	\$ 1,075.36
PREPARE NOISE IMPACT ASSESSMENT													
		14	1							0		31	\$ 4,278.32
QA/QC													
	34	8										42	\$ 5,979.54
BIOLOGICAL AND WATER RESOURCES (review of existing environmental documents)													
FIELD SURVEY (2 site visits)													
				32	32							64	\$ 9,111.68
REVIEW SUMMARY													
						24						24	\$ 3,416.88

EXHIBIT D
 Fee Schedule for Engineering Svcs Supporting Lump Sum Calculations
 Hachar Lp - Ph I From 0.1 miles east of Beltway Parkway to I-35 frontage
 Partial Adv Planning/Schem/Env

SPECIAL SERVICES (FC 120) ENVIRONMENTAL SERVICES TASK DESCRIPTION	Project Engineer (IV)	Project Engineer (IV)	Civil Engineer	Scientist (Community Impact)	Scientist (Env. Review)	Scientist (Env. Review)	Scientist (Haz. Material Review)	Civil Engineer (Air Quality)	Civil Engineer (Noise Analyses)	CADD Technician	Administration/ Clerical	Total LABOR HOURS	Task Cost
SOILS AND FARMLANDS review						40				8		48	\$ 6,518.56
GEOLOGY review						24						24	\$ 3,416.88
CULTURAL & HISTORICAL (BY OTHERS) RESOURCES REVIEW												0	\$ -
SECTION 4(F)/6(F) ANALYSIS AND COORD.				32	16							48	\$ 6,833.76
CONSTRUCTION IMPACTS				24								24	\$ 3,416.88
HAZARDOUS MATERIALS REVIEW				24								24	\$ 3,416.88
ENVIRONMENTAL RECORDS REVIEW					20							20	\$ 2,847.40
SITE VISIT						12	12					24	\$ 3,416.88
ADJACENT LAND USE							16					16	\$ 2,277.92
INTERVIEWS (none)												0	\$ -
REPORT PREP/COMMENT RESPONSE							24					24	\$ 3,416.88
INDIRECT AND CUMULATIVE IMPACTS												0	\$ -
REVIEW PLANNING DOCUMENTS												0	\$ -
PREPARE MPO/CITY QUESTIONNAIRE												0	\$ -
MEETING WITH MPO AND CITY												0	\$ -
COLLECT DATA, DOCUMENT, AND SUMMARIZE MEETINGS												0	\$ -
MPO/CITY FOLLOW-UP												0	\$ -
REVIEW RESOURCE IMPACTS PREVIOUSLY PREPARED												0	\$ -
DOCUMENTATION												0	\$ -
GRAPHICS SUPPORT												0	\$ -
PUBLIC INVOLVEMENT FOUR MEETINGS (LED BY DANNENBAUM, ONE PERSON FROM AZ&B)												0	\$ -
TOTAL FC 120 - SOCIAL, ECONOMIC AND ENVIRONMENTAL STUDIES AND PUBLIC INVOLVEMENT	34	86	41	216	132	100	52	40	102	22	0	825	\$ 115,685.13
HOURS SUB-TOTALS	34	86	41	216	132	100	52	40	102	22	0	825	
LABOR RATE PER HOUR	\$ 142.37	\$ 142.37	\$ 134.42	\$ 142.37	\$ 142.37	\$ 142.37	\$ 142.37	\$ 134.42	\$ 134.42	\$ 102.97	\$ 67.49		
DIRECT LABOR COSTS	\$ 4,840.58	\$ 12,243.82	\$ 5,511.22	\$ 30,751.92	\$ 18,792.84	\$ 14,237.00	\$ 7,403.24	\$ 5,376.80	\$ 13,710.84	\$ 2,285.34	\$ -	\$ 115,133.60	
TOTAL	\$ 4,840.58	\$ 12,243.82	\$ 5,511.22	\$ 30,751.92	\$ 18,792.84	\$ 14,237.00	\$ 7,403.24	\$ 5,376.80	\$ 13,710.84	\$ 2,285.34	\$ -	\$ 115,133.60	
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON FEE)	4.20%	10.63%	4.79%	26.71%	16.32%	12.37%	6.43%	4.67%	11.91%	1.97%	0.00%	100.00%	CHECK
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON MANHOURS)	4.12%	10.42%	4.97%	26.18%	16.00%	12.12%	6.30%	4.65%	12.36%	2.67%	0.00%	100.00%	\$ 115,133.60
DIRECT EXPENSES	Rate	Unit	Amount										
Historic/Archaeological	0.00	0.00	0										\$ -
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 (B RT)	\$ 0.52	miles	0										\$ -
Air Travel	\$ 600.00	Each	0										\$ -
Hotel	\$ 82.00	each	4										\$ 328.00
PerDiem	\$ 51.00	day	0										\$ -
Rental Car	\$ 65.00	day	0										\$ -
Fuel for Rental Car	\$ 3.75	gallons	0										\$ -
Overnight Carrier Cost (Letter Size)	\$ 22.00	each	0										\$ -
Overnight Carrier Cost (Oversized Box)	\$ 50.00	each	0										\$ -
Hazmat Database Search	\$ 1,200.00	each	1										\$ 1,200.00
GPS Daily Use Fee	\$ -	day	0										\$ -
Curator Fee (Archeology)	\$ -	drawer	0										\$ -
Field Supplies (altes/paint/flagging)	\$ -	day	0										\$ -
CDs	\$ -	each	0										\$ 23.53
TOTAL DIRECT EXPENSES													\$ 1,551.53
TOTAL ENVIRONMENTAL SERVICES													\$ 116,685.13
ASSUMPTIONS:													
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)													
Special Provisions:													
Management and Coordination													
Environmental Document development project duration schedule assumed to be no longer than 9 months. Draft and Pre-Final or Final Environmental Document will be submitted within 8 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													

EXHIBIT D
 Fee Schedule for Engineering Svcs Supporting Lump Sum Calculations
 Hachar Lp - Ph I From 0.1 miles east of Beltway Parkway to I-35 frontage
 Partial Adv Planning/Schem/Env

SPECIAL SERVICES (FC 120) ENVIRONMENTAL SERVICES TASK DESCRIPTION	Project Engineer (IV)	Project Engineer (IV)	Civil Engineer	Scientist (Community Impact)	Scientist (Env. Review)	Scientist (Env. Review)	Scientist (Haz. Material Review)	Civil Engineer (Air Quality)	Civil Engineer (Noise Analyses)	CADD Technician	Administration/ Clerical	Total LABOR HOURS	Task Cost
Public involvement activities: AZ&B will prepare materials for environmental impacts of public meeting. Dannenbaum will provide roadway & technical info													
Develop public involvement plan - jointly developed													
Compile and maintain mailing list (Dannenbaum)													
Make arrangements for public meeting (Dannenbaum)													
Provide two staff members to attend one Public Meeting and one Public Hearing													
AZ&B will develop summary of public meeting and responses to comments													
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													
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 Estimate losses and gains using a computer model (NOT INCLUDED)													
Identify current and anticipated land uses with surveys and land use plans Incorporate subdivision plats into identification of current and anticipated land uses. Evaluate travel modes and patterns. Evaluation also shall incorporate:													
Predictive models (NOT INCLUDED) : Observation Publiccontact													
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: (by Dannenbaum)													
Data collection to consist of two site visits for 5 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 It is assumed that two 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)													
Cultural Resources Windshield survey will be conducted by Blanton and Associates													
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 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:													

EXHIBIT D -
 Fee Schedule for Engineering Svcs Supporting Lump Sum Calculations
 Hachar Lp - Ph I From 0.1 miles east of Beltway Parkway to I-35 frontage
 Partial Adv Planning/Schem/Env

SPECIAL SERVICES (FC 120) ENVIRONMENTAL SERVICES TASK DESCRIPTION	Project Engineer (IV)	Project Engineer (IV)	Civil Engineer	Scientist (Community Impact)	Scientist (Env. Review)	Scientist (Env. Review)	Scientist (Haz. Material Review)	Civil Engineer (Air Quality)	Civil Engineer (Noise Analyses)	CADD Technician	Administration/ Clerical	Total LABOR HOURS	Task Cost
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 Technical Expert: Water Quality studies													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 Dannnenbaum to copy document and provide copies to stakeholders, agencies, client, etc.
Perform wetland delineations Perform wild and scenic river studies (NOT required) Perform floodplain impact studies (by Dannnenbaum) Perform coastal barrier studies (NOT Required) Perform coastal zone impact studies (NOT REQUIRED)													Deliverables: 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. Assume classification letter results in Environmental Assessment document and project obtains FONSI.
United States Coast Guard Section 9 Permit (NOT REQUIRED) Section 10 of the Rivers and Harbors Act (33 U.S.C. 403) (NOT REQUIRED) Perform water body modifications and wildlife impact studies Threatened and endangered species: Survey for protected species habitat Survey shall be performed for T & E species on the El Paso County TPWD and USFWS lists (no species specific surveys are anticipated). Check for presence of designated critical habitat Habitat analysis (Entire project area not just Threatened and Endangered Species) Analysis of stream modifications (if any) and associated habitats													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.
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 Perform essential fish habitat studies (NOT INCLUDED) Perform beneficial landscaping studies Determine farmland impacts Perform hazardous materials studies Archeological studies: Perform archeological background studies (by Blanton & Associates) Perform archeological background studies (by Blanton & Associates) Perform an archeological reconnaissance survey (by Blanton & Associates) Perform an archeological intensive survey (by Blanton & Associates) 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 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 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. 3 Alignment Alternatives													

Attachment A-1
 Fee Schedule for Engineering Services Supporting Lump Sum Calculations
 Historic Lp - Ph I from 0.2 miles east of Beltway Parkway to I-35 Roadside
 Partial Adv Planning Scheme/Env

**EXHIBIT D
 FEE SCHEDULE**

SUBPROVIDER NAME: Blanton
 Regional Parkway Environmental Assessment

TASK DESCRIPTION	Senior Environmental Manager	Senior Environmental Scientist/Planner	Env Sci II / Bio II / Sr. Archeologist / Sr. Historian	Env Sci I / Bio I / Arch II / Historian II	Env Sci Arch I / Historian I	Senior GIS Tech	GIS Tech	Admin/Clinical	TOTAL LABOR HRS. & COSTS
ENVIRONMENTAL DOCUMENTATION									
Special Economic and Environ Studies and Public Involvement (FC120)									
Additional area PCR/Survey for Historic Resources	4		40	40		4	40	8	136
Archaeological Background Studies and Permit Application	4		24	4			16	4	52
Archaeological Survey	16		48	32	32	4	40	16	188
Section 401 Evaluations	4								4
Section 610 Evaluations	4								4
HOURS SUB-TOTALS	32	0	112	76	32	8	96	28	384
CONTRACT RATE PER HOUR	\$159.00	\$159.00	\$93.00	\$93.00	\$84.00	\$101.00	\$70.00	\$62.00	
TOTAL LABOR COSTS	\$5,088.00	\$0.00	\$10,576.00	\$7,068.00	\$2,688.00	\$808.00	\$6,720.00	\$1,736.00	\$35,084.00
SUBTOTAL (FC 120)									\$35,084.00

Direct Expenses			
Photocopies Color (11" X 17")	300	\$1.25	\$375.00
Photocopies BW (8 1/2" X 11")	1000	\$0.10	\$100.00
Photocopies Color (8 1/2" X 11")	700	\$0.75	\$525.00
Site Forms	3	\$50.00	\$150.00
Per Diem w/overnight stay	10	\$33.00	\$330.00
Locking	10	\$65.00	\$650.00
Locking tax	10	\$30.00	\$300.00
Mileage	1400	\$0.375	\$525.00
Backhoe and Operator Rental	0	\$1,000.00	\$0.00
Overnight Mail - overnight box	4	\$30.00	\$120.00
Overnight Mail - letter size	4	\$20.00	\$80.00
SUBTOTAL Direct Expenses			\$3,205.00

11/17/20

SUMMARY	
BLANTON NON-SALARY (OTHER DIRECT EXPENSES)	\$3,205.00
BLANTON TOTAL LABOR COSTS	\$35,084.00
BLANTON TOTAL	\$38,289.00

EXHIBIT D
 DETAILED FEE SCHEDULE FOR ENGINEERING SVCS SUPPORTING LUMP SUM CALCULATIONS
 Attachment A-1

SPECIAL SERVICES (FC 150) & (FC 130) SET PRIMARY CONTROL SET AERIAL TARGETS/AERIAL TOPO (FILL-INS) & ROW STAKING TASK DESCRIPTION	Principal Manager	Surveying PMRPLS	Surveying Supervisor	Senior Engineer- Bridge	Field Crew (3- man)	CADD Designer	Admin Asst	Total Labor Hrs.	Task Cost
FC 130 - ROW DATA									
PRELIMINARY DATA ACQUISITION									
OBTAIN OWNERSHIP INFORMATION	1		1					2	\$ 293.79
DEVELOP OWNERSHIP MAPS	1		1					2	\$ 293.79
OBTAIN RIGHTS-OF-ENTRY FOR SURVEY/GEOTECHNICAL/ENVIRONMENTAL		1						1	\$ 156.78
PROVIDE ALL DATA ACQUIRED TO THE RIGHT-OF-WAY SURVEYOR			1					1	\$ 93.75
SUB-TOTAL - FC 130 - ROW DATA	2	1	3	0	0	0	0	6	\$ 838.11
SUB-TOTAL - FC 145 - PROJECT MANAGEMENT (FC 102 TO FC 150) PRELIM ENGR SERVICES) (4 MONTHS)									
FC 150 - FIELD SURVEYING									
ESTABLISH PRIMARY CONTROL NETWORK									
SET 4 PERMANENT CONTROL MONUMENTS		1	1		3			5	\$ 697.47
LOCATE AND VERIFY EXISTING CONTROL			1		3			4	\$ 540.69
DEVELOP AND PERFORM GPS NETWORK (OR VRS) BASED ON NAD 1983			1		3			4	\$ 540.69
PERFORM DIGITAL LEVEL NETWORK BASED ON NAVD 1988			1		4			5	\$ 689.67
PERFORM HORIZONTAL AND VERTICAL TIES TO THE EXISTING CONTROL NETWORK(S)			1		6			7	\$ 987.63
PREPARE PROJECT CONTROL MANUAL WITH PRIMARY CONTROL DATA SHEETS (4)	1	1				5		7	\$ 757.02
ESTABLISH SECONDARY CONTROL NETWORK								0	\$ -
SET CENTER PANEL POINTS AT 1200' TO 1500' INTERVALS (14)		1	1		14			16	\$ 2,336.25
PERFORM DIGITAL LEVEL NETWORK - NOT APPLICABLE								0	\$ -
PERFORM GPS/RTK/VRS HORIZONTAL TIES TO THE SECONDARY CONTROL, DOUBLE OCCUPANCY								0	\$ -
ESTABLISH AERIAL TARGET NETWORK								0	\$ -
SET APPROXIMATELY (27) AERIAL PANEL POINTS					14			14	\$ 2,085.72
ESTABLISH HORIZONTAL VALUES ON THE WING PANELS WITH GPS/RTK/VRS (50)					12			12	\$ 1,787.76
ESTABLISH VERTICAL VALUES ON THE WING PANELS WITH DIFFERENTIAL LEVELS (50)					12			12	\$ 1,787.76
DEVELOP AERIAL CONTROL REPORT FOR AERIAL PHOTOGRAMMETRY PROVIDER	1	2	4				4	11	\$ 1,061.64
FC 150 - FIELD SURVEYING								0	\$ -
SUPPLEMENTAL TOPOGRAPHY								0	\$ -
VERIFY ELEVATIONS OF CONTOURS (SPOT CHECK)			1		12			13	\$ 1,881.51
PROFILE AND CROSS-SECTION INTERSECTING STREETS FOR TIE INTO PROJECT			1		8			9	\$ 1,285.59
FIELD TIE ALL HARD SURFACES WHERE TIE-INS OCCUR AT DRIVEWAYS AND TURNOUTS			1		6			7	\$ 987.63
FIELD TIE ALL DRAINAGE FEATURES: SIDE DRAINS, CULVERTS, DITCHES, INLETS, MANHOLES, ETC.			1		6			7	\$ 987.63
FIELD TIE ALL DRAINAGE STRUCTURES: BRIDGES, BOX CULVERTS, ETC.			1		6			7	\$ 987.63
WALK SITE TO INSURE ALL TOPOGRAPHIC FEATURES HAVE BEEN LOCATED			2		6			8	\$ 1,081.38
PRODUCEDTM		2				8		10	\$ 953.88
ADDITIONAL FIELD STAKING								0	\$ -
STAKE CORE HOLES AND FIELD TIE FINAL LOCATIONS								0	\$ -
STAKE CENTERLINE AS REQUIRED FOR USE BY GEOTECHNICAL, ENVIRONMENTAL, ETC. SUB-CONSULTANTS					6			6	\$ 893.88
STAKE RIGHT-OF-WAY FOR FENCING (AS REQUIRED)								0	\$ -
SUB-TOTAL - FC 150 - FIELD SURVEYING	2	7	17	0	121	13	4	164	\$ 22,331.43
HOURS SUB-TOTALS	4	8	20	0	121	13	4	170	
LABOR RATE PER HOUR	\$ 200.04	\$ 156.78	\$ 93.75	\$ 1.00	\$ 148.98	\$ 80.04	\$ 43.26		
DIRECT LABOR COSTS	\$ 800.16	\$ 1,254.24	\$ 1,875.00	\$ -	\$ 18,026.58	\$ 1,040.52	\$ 173.04	\$ 23,169.54	
TOTAL	\$ 800.16	\$ 1,254.24	\$ 1,875.00	\$ -	\$ 18,026.58	\$ 1,040.52	\$ 173.04	\$ 23,169.54	
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON FEE)	3.45%	5.41%	8.09%	0.00%	77.80%	4.49%	0.75%	100.00%	
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON MANHOURS)	2.35%	4.71%	11.76%	0.00%	71.18%	7.65%	2.35%	100.00%	
GRAND-TOTAL	(LABOR, CADD & DIRECT EXPENSE)								\$ 23,169.54

<p align="center">SPECIAL SERVICES (FC 150) AERIAL PHOTOGRAMMETRY SERVICES TASK DESCRIPTION</p>	<p align="center">Task Cost</p>
<p align="center">FIELD SURVEYING</p>	
<p align="center">PHOTOGRAMMETRY</p>	
<p>FC 150 - AERIAL MAPPING</p>	
<ul style="list-style-type: none"> • Establish, and monument, the project on NAD 1983, Texas State Plane (TX South Zone 4205) Coordinates System, US Survey feet, and, NAVD 88 (Geoid12A) Datum 	
<ul style="list-style-type: none"> • Fly, Scan and Photograph the project, (length of centerline and cross flights at major roads and creeks), and collect LiDAR data and imaginary using an Optech Orion C300-1 LiDAR sensor and CS-10000 aerial digital camera mounted in a Bell Long Ranger 206 helicopter 	
<ul style="list-style-type: none"> • Post-process and Digitize data to PRODUCE AND DELIVER the following: 	
<ul style="list-style-type: none"> o Ortho-rectified images, 600' wide (300' both sides of project centerline), 7 cm pixel resolution in ECW format 	
<ul style="list-style-type: none"> o DTM (Digital Terrain Model) file, 600' wide, (300' both sides of project centerline), consisting of spot elevations on a 50' grid, break-lines and edited 3d triangles 	
<ul style="list-style-type: none"> o 1' (edited) 3d digital contour map/file. 	
<ul style="list-style-type: none"> o 1"=50' scale digital 2d Planimetric features map/file 	
<ul style="list-style-type: none"> o Deliverables will be delivered as .DGNs and .DTM file. Digitization and digital drawings will be developed using MicroStation V8i Series 3/4 	
<p>TOTALS - AERIAL MAPPING SERVICES</p>	<p align="right">\$20,000.00</p>
<p>NOTES:</p>	
<p>1. The mapping and ortho-imagery will be 600' wide (300' left and right) along the project centerline that Dannenbuam Engineering provides at time of Flight line planning</p>	
<p>2. All mapping will be developed in accordance to TxDOT Aerial Photogrammetric standards, requirements and accuracies</p>	
<p>3. All digital data and deliverables will be in the format compatible with TxDOT and Dannenbaum Engineering's hardware, software and drafting standards</p>	

EXHIBIT H-2

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.*

Contract #: CSJ: 0922-33-166 Assigned Goal: 0% Prime Provider: Dannenbaum Engineering Corporation

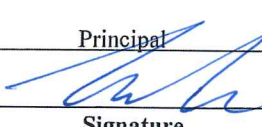
Work Authorization (WA)#: _____ WA Amount: \$ _____ Date: _____

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

Revised WA Amount: _____

Description of Work <i>(List by category of work or task description. Attach additional pages, if necessary.)</i>	Dollar Amount <i>(For each category of work or task description shown.)</i>
Total Commitment Amount (Including all additional pages.)	

IMPORTANT: The signatures of the prime and the DBE/HUB and Second Tier Subprovider, if any (both DBE and Non-DBE) and the total commitment amount must always be on the same page.

Provider Name: Dannenbaum Engineering Corporation Address: 8610 McPherson, Laredo, Texas 78040 Phone # & Fax #: PH: (956)712-9817; FX: (956)712-9857 Email: louis.jones@dannenbaum.com	Name: <u>Louis H. Jones Jr., P.E.</u> <i>(Please Print)</i> Title: <u>Principal</u>  Signature Date <u>1/2/19</u>
DBE/HUB Sub Provider Subprovider Name: VID Number: Address: Phone # & Fax #: PH: _____ ; FX: _____ Email:	Name: _____ <i>(Please Print)</i> Title: _____ Signature Date
Second Tier Sub Provider Subprovider Name: VID Number: Address: Phone # & Fax #: Email:	Name: _____ <i>(Please Print)</i> Title: _____ Signature Date

VID Number is the Vendor Identification Number issued by the Comptroller. If a firm does not have a VID Number, please enter the owner's Social Security or their Federal Employee Identification Number (if incorporated).

EXHIBIT H-2

Texas Department of Transportation Subprovider Monitoring System Commitment Agreement

This commitment agreement is subject to the award and receipt of a signed contract from the Texas Department of Transportation (TxDOT). *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.*

Contract #: 0922-33-166 Assigned Goal: 0% Prime Provider: Dannenbaum Engineering Corporation

Work Authorization (WA)#: 4 WA Amount: \$ 299,981.17 Date: January 9, 2017

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

Revised WA Amount: _____

Description of Work <i>(List by category of work or task description. Attach additional pages, if necessary.)</i>	Dollar Amount <i>(For each category of work or task description shown.)</i>
FC 110 Route and Design Studies	\$115,133.60
Direct Expenses	\$ 1,551.53
Total Commitment Amount (Including all additional pages.)	\$116,685.13

IMPORTANT: The signatures of the prime and the DBE/HUB and Second Tier Subprovider, if any (both DBE and Non-DBE) and the total commitment amount must always be on the same page.

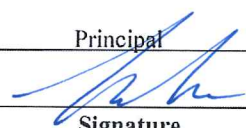
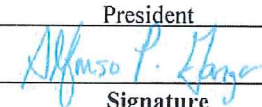
<p>Provider Name: Dannenbaum Engineering Corporation Address: 3100 W. Alabama, Houston, TX 77098 Phone # & Fax #: (713) 520-570 Email: louis.jones@dannenbaum.com</p>	<p>Name: <u>Louis H. Jones Jr., P.E.</u> <i>(Please Print)</i></p> <p>Title: <u>Principal</u></p> <p style="text-align: center;">  <u>1/2/17</u> </p> <p style="text-align: center;">Signature Date</p>
<p>DBE/HUB Sub Provider Subprovider Name: Arredondo, Zepeda & Brunz, LLC VID Number: 1432072424900 Address: 11355 McCree Rd Dallas, TX 75238 Phone # (214) 341-9900 & Fax #: (214) 341 9925; Email: agarza@azb-engrs.com</p>	<p>Name: <u>Alfonso P. Garza, P.E.</u> <i>(Please Print)</i></p> <p>Title: <u>President</u></p> <p style="text-align: center;">  <u>1/10/2017</u> </p> <p style="text-align: center;">Signature Date</p>
<p>Second Tier Sub Provider Subprovider Name: VID Number: Address: Phone # & Fax #: Email:</p>	<p>Name: _____ <i>(Please Print)</i></p> <p>Title: _____</p> <p style="text-align: center;"> _____ Signature Date </p>
<p>VID Number is the Vendor Identification Number issued by the Comptroller. If a firm does not have a VID Number, please enter the owner's Social Security or their Federal Employee Identification Number (if incorporated).</p>	

EXHIBIT H-2

Texas Department of Transportation Subprovider Monitoring System Commitment Agreement

This commitment agreement is subject to the award and receipt of a signed contract from the Texas Department of Transportation (TxDOT). **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.**

Contract #: 0922-33-166 Assigned Goal: 0% Prime Provider: Dannenbaum Engineering Corporation

Work Authorization (WA)#: 4 WA Amount: \$ 299,981.17 Date: January 9, 2017

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

Revised WA Amount: _____

Description of Work <i>(List by category of work or task description. Attach additional pages, if necessary.)</i>	Dollar Amount <i>(For each category of work or task description shown.)</i>
FC 150 Field Surveying	\$20,000.00
Total Commitment Amount (Including all additional pages.)	\$20,000.00

IMPORTANT: The signatures of the prime and the DBE/HUB and Second Tier Subprovider, if any (both DBE and Non-DBE) and the total commitment amount must always be on the same page.

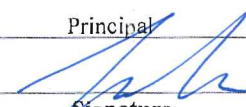
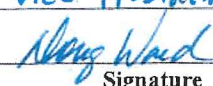
Provider Name: <u>Dannenbaum Engineering Corporation</u> Address: <u>3100 W. Alabama, Houston, TX 77098</u> Phone # & Fax #: <u>(713) 520-570</u> Email: <u>louis.jones@dannenbaum.com</u>	Name: <u>Louis H. Jones Jr., P.E.</u> <i>(Please Print)</i> Title: <u>Principal</u>  Signature Date <u>01/12/17</u>
DBE/HUB Sub Provider Subprovider Name: <u>Aerial Data Services, Inc.</u> VID Number: <u>1730954344900</u> Address: <u>8301 E 51st St #100,</u> <u>Tulsa, OK 74145</u> Phone # (918) 622-4144 & Fax #: Email: <u>dward@aerialdata.com</u>	Name: <u>Doug Ward</u> <i>(Please Print)</i> Title: <u>Vice President</u>  Signature Date <u>1/10/2017</u>
Second Tier Sub Provider Subprovider Name: VID Number: Address: Phone # & Fax #: Email:	Name: _____ <i>(Please Print)</i> Title: _____ Signature Date
<p>VID Number is the Vendor Identification Number issued by the Comptroller. If a firm does not have a VID Number, please enter the owner's Social Security or their Federal Employee Identification Number (if incorporated).</p>	

EXHIBIT H-2

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This commitment agreement is subject to the award and receipt of a signed contract from the Texas Department of Transportation (TxDOT). *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.*

Contract #: 0922-33-166 Assigned Goal: 0% Prime Provider: Dannenbaum Engineering Corporation

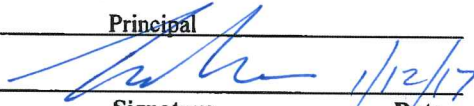

Work Authorization (WA)#: 4 WA Amount: \$ 299,981.17 Date: January 9, 2017

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

Revised WA Amount: _____

Description of Work <i>(List by category of work or task description. Attach additional pages, if necessary.)</i>	Dollar Amount <i>(For each category of work or task description shown.)</i>
FC 120 Social, Economic and Environmental Studies and Public Involvement	\$35,084.00
Direct Expenses	\$ 3,205.00
Total Commitment Amount (Including all additional pages.)	\$38,289.00

IMPORTANT: The signatures of the prime and the DBE/HUB and Second Tier Subprovider, if any (both DBE and Non-DBE) and the total commitment amount must always be on the same page.

Provider Name: <u>Dannenbaum Engineering Corporation</u> Address: <u>3100 W. Alabama, Houston, TX 77098</u> Phone # & Fax #: <u>(713) 520-570</u> Email: <u>louis.jones@dannenbaum.com</u>	Name: <u>Louis H. Jones Jr., P.E.</u> <i>(Please Print)</i> Title: <u>Principal</u>  Signature Date <u>1/12/17</u>
DBE/HUB Sub Provider Subprovider Name: <u>Blanton & Associates, Inc.</u> VID Number: <u>17428458388</u> Address: <u>5 Lakeway Centre Court, Suite 200</u> <u>Austin, Texas 78734</u> Phone # & Fax #: <u>(512) 264-1095; (512) 284-1531</u> Email: <u>dblanton@blantonassociates.com</u>	Name: <u>Don Blanton</u> <i>(Please Print)</i> Title: <u>PRESIDENT</u>  Signature Date <u>1/10/17</u>
Second Tier Sub Provider Subprovider Name: VID Number: Address: Phone # & Fax #: Email:	Name: _____ <i>(Please Print)</i> Title: _____ Signature Date _____
VID Number is the Vendor Identification Number issued by the Comptroller. If a firm does not have a VID Number, please enter the owner's Social Security or their Federal Employee Identification Number (if incorporated).	