

EXHIBIT B
AUTHORIZATION OF CHANGE IN SERVICE

CONTRACT NUMBER / CONTRACT NAME:	# <u>218-253</u> Blanco Riverine Mitigation Project	
CITY REPRESENTATIVE:	Jaquelyn Thomas, Senior Engineer, Capital Improvements/Engineering	
CONTRACTOR:	Halff Associates, Inc.	
CONTRACT EFFECTIVE DATE:	March 22, 2018	
THIS AUTHORIZATION DATE:	_____, 2021	AUTHORIZATION NO.: 7

DESCRIPTION OF WORK TO BE ADDED TO OR DELETED FROM SCOPE OF SERVICES:

Add: Project Management, construction administration, environmental monitoring and compliance services

Original Contract Amount:	\$ 683,518.00 (NTE fee)	
Previous Increases/Decreases in Contact Amount:	\$ 1,304,466.10 (increase)	
This Increase/Decrease in Contract Amount:	\$ 314,181.00 (increase)	
Revised Contract Amount:	\$ 2,302,165.10 (NTE Fee)	

CONTRACTOR:



Signature

10/25/2021

Date

Eric J. Ratzman, PE - Project Manager

Print Full Name / Title (if not in individual capacity)

CITY:

Signature

Date

Print Name

Title

City Department Use Only Below This Line (PM, etc.).

Account Number(s):	Amount	Date
#		
#		
#		

ACIS#7
Scope of Services
Blanco Riverine Flood Mitigation Project

Halff Associates, Inc. (Halff) entered into a professional services agreement with the City of San Marcos (City) dated March 20, 2018. The following scope provides bid phase, construction phase, and final close-out services. The details for the contract scope changes are as follows:

Phase 100: Project Administration

Halff will provide project management and administration services as follows:

1. Project administration, monthly billing, weekly meetings, management of subconsultants, and internal Quality Assurance / Quality Control (QA/QC) review of deliverables.
2. Project documentation for TWDB and HUD purposes
 - **Phase 100 Deliverables:**
 - i. Monthly tracking/reporting of invoice in TWDB budget categories
 - ii. Progress meetings and notes
 - iii. Project documentation for TWDB and HUD purposes

Phase 200: Bid Support and Construction Administration Services

Halff will provide Bid and construction phase support services as follows: *(with support from Aguirre and Fields, LP., see attached scope)*

1. Support / preparation of final bid/construction documents and specifications for project manual
2. Attend Prebid meeting and support city advertisement
3. Respond to bidder questions and/or issue addenda as required
4. Provide tabulation and analysis of bids along with letter of recommendation
5. Attend pre-construction meeting
6. Attend construction site meetings, on an as requested basis to observe construction conditions or specific issues related to contractor or inspector questions
7. Structural engineering construction services
8. Review contractor material submittals, provide shop drawing reviews, and track/log all submittals
9. Respond to contractor requests for information (RFI) and track all RFIs in a log
10. Provide change order reviews and coordination, as needed
11. Upon request, provide minor drawing revisions for field changes
12. Upon substantial completion, conduct project walk-through and provide a written “punch list” of items required for final completion
13. Provide record drawings based on redlines of changes provided by contractor or inspector
14. Provide-out documentation and services
 - **Phase 200 Deliverables:**
 - i. Bid tabulation and recommendation
 - ii. Material submittal review and log
 - iii. RFI responses and log
 - iv. Record Drawings
 - v. Project documentation for close-out with HUD

Phase 300: Environmental Compliance Services

Halff will provide environmental investigations, monitoring, compliance, and reporting as follows:

1. Asbestos Containing Materials (ACM) assessment and abatement oversight services for a residential structure and garage located at 1320 River Road, residential structure at 1410/1420 River Road, and three metal barns located at 1320 old Martindale Road. *Note: Assessment (Item 1.a. below) will be the first step in the process. If lab tests determine no asbestos is present for a particular address, then steps b. through d. would not be required and would not be performed or billed to the city for that address)*
 - a. The asbestos assessment will satisfy the Texas Department of State Health Services (DSHS) requirements for an asbestos assessment conducted prior to the renovation and/or demolition of public buildings. According to information provided to Halff, the proposed activities include the demolition of the above referenced structures. An estimated 120 samples will be collected from the single-family houses and an additional 25 samples will be collected from the garage and three metal barns.
 - b. An asbestos inspector, licensed by the DSHS, will visually assess the structure to determine areas likely to contain ACM. Field drawings and photographs will be prepared that detail the location, condition, and quantities of the suspected ACM. Bulk samples of suspected ACM will be collected in accordance with DSHS sampling protocol. The suspected materials will be analyzed by an asbestos bulk laboratory accredited by the National Voluntary Laboratory Accreditation Program (NVLAP), using Polarized Light Microscopy (PLM), in accordance with Environmental Protection Agency (EPA) methodology. The laboratory report will be combined with field notes and observations to determine approximate quantities of ACM present.
 - c. Halff's sampling will not include materials that are not considered suspect ACM (i.e., concrete, wooden or metal doors, glass, or rubber), and/or hidden inaccessible components. Halff will perform destructive sampling to a certain degree in a reasonable effort to identify suspect ACM. However, hidden materials or materials beyond reasonable access to the inspector during the site visit (materials beneath carpet, above ceilings, within walls/crawl spaces, etc.) may not be evaluated as part of the survey. Halff will conduct a visual and physical assessment of each identified homogenous area of suspect ACM to assess the friability and condition of the materials. Based on results of the visual observations, bulk samples of suspect materials will be collected from each homogenous area by a State of Texas Licensed Asbestos Inspector in general conformance with protocols established by EPA regulation 40 CFR 763 (AHERA) and the Texas Asbestos Health Protection Rules.
 - d. Abatement of identified asbestos containing building materials (ACBMs) and abatement oversight: services will include preparation of plans and specifications for asbestos abatement, a letter report documenting the abatement activities, and abatement oversight of the removal of ACBMs identified in an asbestos survey conducted by Halff. The asbestos abatement will consist of the removal and proper disposal of the ACM identified in the asbestos survey report identified above. Oversight services include limited asbestos abatement oversight by a licensed asbestos consultant and a full time project manager/air monitor on-site for the duration of the asbestos abatement activities
 - e. Asbestos Abatement: The asbestos abatement activities will be performed by others in accordance with the site-specific plans and specifications prepared by Halff for the project.

Asbestos abatement for the referenced property will include the removal of the asbestos containing materials (ACM) previously identified in the asbestos survey.

- f. Asbestos Abatement Oversight: The licensed asbestos consultant will coordinate with the sub-contracted licensed asbestos project manager to provide oversight of the abatement activities. The licensed asbestos consultant will also prepare a final report, which will include a description of abatement activities, disposal manifests, and results of on-site air monitoring. The licensed asbestos project manager will be on-site for the duration of the asbestos abatement activities to perform air monitoring, on-site inspections, and to evaluate the work area for compliance with State and Federal asbestos regulations and the abatement design. The project manager will also perform a final visual inspection after the abatement has been completed and conduct clearance testing in accordance with the current Texas Department of State Health Services regulations. The air samples will be analyzed by Phase Contrast Microscopy (PCM) in accordance with the National Institute of Occupational Safety and Health (NIOSH) Method 7400.

- The above scope of work excludes abatement contractor procurement -the abatement contractor will be hired directly by the client as part of the project.

2. Archeological monitoring and reporting.

- a. Monitoring and Reporting: Halff shall monitor all construction activities to be conducted in portions of the Areas of Potential Effect (APE) where the maximum depth of impacts is expected to be greater than 7 feet (2.1 meters). In particular, the approximately 3 acres at the far northeastern boundary of the APE where a 4:1 slope to the Blanco River is proposed. Staff archeologist shall conduct field monitoring for an estimated 50 days of excavation with oversight from the Principal Investigator. The methods during ground disturbing activity in the recommended monitoring areas are as follows:

- All excavated soil/sediment in the monitoring areas will be visually inspected as it is being deposited.
- All excavated exposures (i.e., profiles and surfaces) will be visually inspected for evidence of cultural materials or deposits (e.g., burned rock, bone, mussel shell, lithic artifacts).
- Multiple, representative, vertical exposures of the excavation area will be photographed with proper scale and recorded on appropriate forms to document the stratigraphy of the monitoring area.
- Upon encountering cultural materials or potential cultural materials during ground disturbing activities, a minimum of one 5-gallon bucket or equivalent quantity of every third backhoe bucket load will be hand screened through 1/4-inch mesh to examine for additional cultural materials.
- If encountered, any artifacts or features (function, relationships, etc.) will be analyzed and described through illustrations, description, and photographs.
- Any artifacts recovered will be described and discussed by class, morphology, and function. Artifact totals will be presented by class/morphology and provenience.
- Unless particularly unique, all artifacts will be documented in the field and left at the project area.
- Sub-meter global positioning system (GPS) coordinates will be recorded for the locations of cultural materials and features along with vertical provenience and spatial extent

- b. Discovery of Archeological Sites (*these services would only be performed and billed in the event an archeological site is identified during ground disturbing activities*):

- All construction activities will halt in the area until a safe buffer (minimum of 10 feet) can be established by the archeological monitor.
 - The discovery area will be adequately marked/barricaded to prevent further damage to the archeological site until appropriately investigated.
 - The archeological monitor will delineate the site boundaries via both surface and subsurface investigations with a minimum of six shovel tests to delineate site boundaries.
 - Within 48 hours of discovery and acquiring contextual information, Halff will notify the THC of the discovery.
 - Halff's Principal Investigator in consultation with the THC will determine an investigation plan for each of the encountered sites.
 - All artifacts and features will be photo-documented and inventoried on appropriate field forms.
 - In the event that human remains, or burial shafts are found during construction, fieldwork at that location will cease immediately. The area of the find will be secured and protected from further disturbance through the erection of high-visibility avoidance fencing and covered with impermeable plastic sheeting. Halff will notify the Hays County Sheriff's office and THC and all requirements of 8 Texas Health and Safety Code 711 will be followed. If the sheriff and/or Hays County Coroner determine that the human remains represent a crime scene, then they will assume control of the discovery. If the human skeletal remains appear to be from an unregistered grave that does not represent a crime scene, then the coroner shall notify the THC within 24 hours
3. TWPD Aquatic Resource Relocation services – in accordance with the approved Aquatic Resource Relocation Plan ARRP *(with support from Cox-McLain Environmental Consulting, Inc., see attached scope)*
- **Phase 300 Deliverables:**
 - i. Asbestos assessment report, abatement specifications, and remediation monitoring reports
 - ii. Archeological monitoring reports
 - iii. Aquatic Resources logs, notes, photographs for Relocation Reporting

ITEMS EXCLUDED FROM THE SCOPE OF SERVICES

1. Construction materials testing (to be provided by city consultant under separate contract)
2. Construction inspection (to be provided by city)
3. Storm Water Pollution Prevention Plan or Notice of Intent (to be provided by contractor)
4. Mailouts and newspaper advertisements of bid
5. Agency, permit, or other fees not identified above
6. Coordination with TCEQ, Hays County, or other entities not currently included herein
7. Coordination with FEMA or development of a Conditional/Final Letter of Map of Amendment

ACIS #7
Detailed Fee Schedule

Blanco Riverine Flood Mitigation Project		Project Principal	Senior Project Manager	Sr Review Engineer	Senior Engineer	Project Engineer	Junior Engineer	Graduate Engineer (EIT)	Environmental (ENV) Manager	Senior ENV Scientist	ENV Scientist or RLA	Junior ENV or RLA	Asbestos Consultant	Asbestos Inspector	CADD / GIS Tech	Contract Admin Specialist	Admin Assistant	Task Hours	LABOR COSTS	SUB COSTS	DIRECT COSTS	TOTAL	
Phase	HOURLY RATES	\$290.00	\$278.00	\$235.00	\$210.00	\$171.00	\$150.00	\$120.00	\$244.00	\$175.00	\$125.00	\$88.00	\$160.00	\$145.00	\$115.00	\$91.00	\$68.00						
/ Task	TASK DESCRIPTIONS																						
100	PHASE 1 - Project Administration																						
1	Project administration	4	60			20											24	16	124	\$24,532.00			\$24,532.00
2	Agency documentation		20		8	40												68	\$14,080.00			\$14,080.00	
TASK 1 SUBTOTAL		4	80	0	8	60	0	0	0	0	0	0	0	0	0	24	16	192	\$38,612.00	\$0.00	\$0.00	\$38,612.00	
200	PHASE 2 - Bid Support and Construction Administration																						
1	Final construction documents		4			20		40										64	\$9,332.00			\$9,332.00	
2	Prebid meeting and support city advertisement		4			8												12	\$2,480.00			\$2,480.00	
3	Bid questions and/or addenda		4			12												16	\$3,164.00			\$3,164.00	
4	Bid tabulation and analysis					2		8										10	\$1,302.00			\$1,302.00	
5	Pre-construction meeting		4			4												8	\$1,796.00			\$1,796.00	
6	Construction site meetings		4			30												34	\$6,242.00			\$6,242.00	
7	Structural Engineer CA Services																	0	\$0.00	\$7,560.00		\$7,560.00	
8	Submittal and shop drawing reviews		4			40		40			4							88	\$13,252.00			\$13,252.00	
9	Responses to RFIs		16	4		24	40	60			4							148	\$23,192.00			\$23,192.00	
10	Change order reviews and coordination		2			12												14	\$2,608.00			\$2,608.00	
11	Drawing revision for field changes			4		16		24										44	\$6,556.00			\$6,556.00	
12	Walk-through and punchlist		6			8												14	\$3,036.00			\$3,036.00	
13	Record Drawings					16		40										56	\$7,536.00			\$7,536.00	
14	Close-out		16			24												40	\$8,552.00			\$8,552.00	
TASK 2 SUBTOTAL		0	64	8	0	216	40	212	0	0	8	0	0	0	0	0	0	548	\$89,048.00	\$7,560.00	\$0.00	\$96,608.00	
300	PHASE 3 - Environmental Compliance Services																						
1	Asbestos Services																	0	\$0.00			\$0.00	
	-1410/1412 River Road (two-story)																	0	\$0.00			\$0.00	
	Assessment								1				7	12	20		2	42	\$5,540.00		\$126.00	\$5,666.00	
	Monitoring												16					16	\$2,560.00	\$6,120.00	\$1,874.00	\$10,554.00	
	Specs and Closure Reporting								1				34		6		2	43	\$6,510.00			\$6,510.00	
	-1320 River Road (3 structures, 2 houses, 1 garage)																	0	\$0.00			\$0.00	
	Assessment								2				8	24	32		4	70	\$9,200.00		\$168.00	\$9,368.00	
	Monitoring												20					20	\$3,200.00	\$10,200.00	\$1,874.00	\$15,274.00	
	Specs and Closure Reporting								2				40		8		4	54	\$8,080.00			\$8,080.00	
	-1324 Old Martindale Road (3 structures, 1 park roof, 2 green houses)																	0	\$0.00			\$0.00	
	Assessment								1				1	4	4		2	12	\$1,580.00		\$21.00	\$1,601.00	
	Monitoring												4					4	\$640.00			\$1,320.00	
	Specs and Closure Reporting								1				6		2		2	11	\$1,570.00	\$680.00		\$1,570.00	
2	Archeological construction monitoring and THC reporting								8	80		440						528	\$54,672.00			\$54,672.00	
	Archeological construction (discovery and reporting)									40		80							\$14,040.00			\$14,040.00	
3	TPWD Aquatic Resources Relocation								8		84	84						176	\$19,844.00	\$30,462.00		\$50,306.00	
TASK 3 SUBTOTAL		0	0	0	0	0	0	0	24	120	84	604	136	40	72	0	16	976	\$127,436.00	\$47,462.00	\$4,063.00	\$178,961.00	
TASK 6 SUBTOTAL		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$ -	
TOTAL Estimated Hours		4	144	8	8	276	40	212	24	120	92	604	136	40	72	24	32	1836					
TOTAL Estimated Fee		\$ 1,160.00	\$ 40,032.00	\$ 1,880.00	\$ 1,680.00	\$ 47,196.00	\$ 6,000.00	\$ 25,440.00	\$ 5,856.00	\$ 21,000.00	\$ 11,500.00	\$ 53,152.00	\$ 21,760.00	\$ 5,800.00	\$ 8,280.00	\$ 2,184.00	\$ 2,176.00		\$255,096.00	\$55,022.00	\$4,063.00	\$314,181.00	
HOURLY RATES		\$290.00	\$278.00	\$235.00	\$210.00	\$171.00	\$150.00	\$120.00	\$244.00	\$175.00	\$125.00	\$88.00	\$160.00	\$145.00	\$115.00	\$91.00	\$68.00						

Direct Expenses	Description	Unit Cost	Unit	Quantity	Total
Travel by air monitoring company (DCG environmental)	Hotel	\$ 150.00	DAY	22.00	\$3,300.00
	Mileage	\$ 0.56	MI	800.00	\$448.00
Laboratory Testing	Air samples	\$7.00	EA	45.00	\$315.00
	Sum of Expenses =				\$4,063.00



April 2, 2021

Brandyn D. Littleton
Environmental Team Leader
O: (512) 942-6214
Halff Associates, Inc.
9500 Amberglenn Blvd., Bldg. F, Suite 125
Austin, TX 78729-1102

Re: CMEC Proposal for Aquatic Resource Relocation Effort – Blanco Riverine Flood Mitigation Project

Dear Mr. Littleton:

Cox | McLain Environmental Consulting, Inc. (CMEC) is pleased to submit this proposal to provide an aquatic resource relocation effort for the above referenced project. The proposed project includes coffer damming/dewatering activities required for bank stabilization within the Blanco River in the City of San Marcos, Hays County, Texas.

It is our understanding that the proposed project is subject to Texas Parks and Wildlife Department's (TPWD) Kills and Spills Team Regulations which require relocation of aquatic dependent wildlife as part of the dewatering operation. To satisfy these requirements, Halff Associates, Inc. will prepare an Aquatic Resource Relocation Plan for the Project. Once the permit and authorization from TPWD (may take 30-days from permit submittal) is obtained, CMEC will perform the relocation effort before and during the draw-down process. CMEC will perform this work under the authority of Texas Parks and Wildlife Department (TPWD) Scientific Research Permit SPR-0691-409 and the approved relocation permit (number to be determined but issued to Mr. Ryan Blankenship of CMEC). CMEC will be responsible for collecting, temporarily holding, and relocating native fishes, freshwater mussels (*Unionidae*), and other incidentally observed aquatic fauna (snakes, turtles, and amphibians). This work is detailed in Task1-4, below.

Task 1 – Preparation of an Aquatic Resource Relocation Plan and Permit

CMEC will assist Halff Associates, Inc. in preparation of an Aquatic Resource Relocation Plan (ARRP) by providing review and input on the draft and final versions of the reports before submittal to TPWD. CMEC will complete the "Application for Permit to Introduce Fish, Shellfish or Aquatic Plants into Public Waters-PWD 1019-T3200 (8/18)" and submit to TPWD along with the final ARRP for approval. TPWD has up to 30-days to review and issue this permit. Once obtained CMEC will provide a copy of the final permit to the Halff Associates, Inc. team for their records and inclusion into the draft/final summary report. The Scope of Services for Task 1 will be conducted for a not-to-exceed value of \$1,245.00.

Task 2 –Aquatic Resource Relocation Effort (Pre-Construction)

Upon receipt of the finalized permit from TPWD, CMEC will coordinate with Halff Associates, Inc. to conduct a pre-construction survey within the footprint of the area of direct impact by the proposed coffer dam structures and dewatering operation. An additional one-meter upstream and downstream buffer will be implemented to survey for and relocate any mussels within the area of direct impact. The mussel survey and relocation effort will be conducted when the water temperature is greater than 60°F. Given the potential for mussels to burrow during the colder months, the survey and relocation effort will be conducted between April 1 and November 30. The survey and relocation effort will be conducted during a period of stable flow and adequate visibility. A minimum visibility of 0.5-meter (m) (approximately 20 inches) will be



maintained by phasing the survey and relocation effort at the downstream extent with progress to the upstream. Visibility (i.e., turbidity) will be measured at the onset of each day's efforts within each survey cell by use of a Secchi disk or comparable device. If the area cannot be surveyed effectively due to high flow or poor visibility, then the survey will be delayed or rescheduled until conditions improve.

Because of the potential presence of federal candidate mussel species CMEC will implement a multi-pass depletion survey method to ensure that a significant proportion of the resident mussel population at the survey area is detected and removed by relocation. The delineated survey area will be divided into survey cells with each cell not exceeding 100 m² in size. Each cell will be searched for a minimum of two search periods. Each search period effort will include a minimum duration of 0.5 minute per m² of survey area. All live mussels collected in each search period will be identified and quantified separately. At the end of the second search period, if the catch rate is less than 10% of the first search period, then that cell is complete, and the surveyors may move on to the next cell. If the catch rate during the second search period is greater than or equal to 10% of the first search period, then additional search periods are required until the catch rate is less than 10% of the first search period for that cell. If during any search period a live state or federal candidate mussel is detected, an additional search period will be conducted for that search cell regardless of the total count of collected mussels of that search period. The final count and size of each survey cell will be recorded and reported in the Survey Report.

To minimize stress on mussels, live or suspected-live native mussels will be handled gently at all times. Mussels' exposure to air will be minimized and will not exceed 10 minutes during identification, measurement, photographic documentation, and tagging (if applicable). Mussels will be kept in mesh bags submerged in flowing water at all times when not being processed. When relocated, all mussels will be carefully placed partially into the substrate ensuring that the posterior side is facing upwards above the sediment.

Habitat data to be collected within each survey cell includes: water depth, visual measurements (i.e., turbidity), water temperature, general habitat characterization (i.e., pool, riffle, backwater, run, bank, etc.), visual estimates of percent areal coverage of macrophytes, percent areal coverage of woody material, substrate particle composition (silt, clay, sand, gravel, cobble, boulder, concrete, asphalt, riprap, detritus, etc.), and estimates of the percent of unsuitable mussel habitat (e.g. asphalt, concrete, bedrock, etc.). All detected and subsequently relocated individuals will be measured (millimeters (mm)), identified to species, sex (if possible), and condition (live, recently dead, long dead, and sub-fossil). Representative photos of each species, as well as photos of each state/federally listed individual, will be provided for quality assurance purposes. Unique identifying tag numbers (twin hallprint 8 mm by 4 mm shellfish tags affixed with Krazy® glue cyanoacrylate) will be affixed to each valve of each federal candidate individual and will be recorded and reported.

The Scope of Services for Task 2 will be conducted for a not-to-exceed value of \$13,341.00. This not-to-exceed fee includes a team of three CMEC biologists for up to three days of relocation effort. Any remaining fee not utilized as part of this effort will not be invoiced.

Task 3 –Aquatic Resource Relocation Effort (Draw-Down)

After installation of the cofferdam strictures, Halff Associates, Inc. will instruct the Contractor to initiate the draw-down procedure. Relocation of aquatic resources will begin by use of dip netting, seining, and collection by-hand, where feasible and if needed. Native fishes and incidental observations of any stranded freshwater mussels will be collected and relocated. Collected fish will be temporarily held in aerated containers before relocation and native freshwater mussels will be held in mesh bags in aerated water. CMEC shall remove live native fishes and mussels that are encountered in the relocation area during the relocation effort and relocate them to a mapped relocation site outside the potential impact area. It is



anticipated that the relocation area for freshwater mussels will be immediately upstream of the direct impact area while the relocation site for fishes will be directly downstream of the direct impact area. All live animals will be handled according to the provisions of the TPWD-approved ARRP and associated permit.

The Scope of Services for Task 3 will be conducted for a not-to-exceed value of \$14,811.00. This not-to-exceed fee includes a team of three CMEC biologists for up to three days of relocation effort. Any remaining fee not utilized as part of this effort (in the case that dewatering occurs faster than three days) will not be invoiced.

Task 4 – Relocation Reporting

Following completion of the relocation effort, CMEC will prepare collected data logs and survey notes to provide to Halff Associates, Inc. for inclusion into a draft and final survey report summarizing the results of the survey and relocations. These materials will include digital files of the survey cell limits (KMZ and/or SHP file format), a table showing the number of live individuals of each species gathered in the survey area, and representative photographs of each species gathered. CMEC will assist Halff Associates, Inc. in preparation of the draft and final summary report by providing review and input on the draft and final versions of the reports before submittal to TPWD. The Scope of Services for Task 1 will be conducted for a not-to-exceed value of \$1,065.00.

Assumptions:

- This scope assumes that the relocation effort will be conducted between the months of April through November and when water temperatures are greater than 60F (in accordance with TPWD requirements).
- This scope does not include agency coordination or survey efforts beyond those described above that may result from regulatory actions that occur after the date of this proposal (e.g., changes in species' listing status, changes in survey protocols).
- All necessary rights-of-entry will be secured by the Halff Associates, Inc. and provided to CMEC before beginning field efforts.
- Access will be provided by the Halff Associates, Inc. for vehicles and entry of boats to the Blanco River.
- CMEC will be responsible for the aquatic wildlife collected by CMEC on the day of each effort outlined above. Inadvertent fish kills that occur before or after CMEC's scope is completed are outside of the control of CMEC.
- CMEC will provide a lead malacologist (TPWD permit holder) and two other qualified biologists for these relocation efforts.
- Halff Associates, Inc. will provide two qualified staff to assist with all relocation activities on each day of effort.
- All water depths are assumed to be 48" or less. Water depths in excess of 48" are outside of the scope of this agreement and are subject to change order requests requiring divers.
- CMEC is to provide all specialty equipment necessary to perform the scope of services outlined above.



- Additional relocation days beyond the term specified in the above scope may be performed by CMEC with verbal approval by Halff Associates, Inc. for a daily rate not-to-exceed \$3,500 (for a team of three CMEC biologists).

Deliverables

CMEC will prepare the following deliverables:

- Draft/Final "Application for Permit to Introduce Fish, Shellfish or Aquatic Plants into Public Waters-PWD 1019-T3200 (8/18)" which will be submitted to the Halff Associates, Inc. and TPWD via digital means (i.e. email)
- Draft/Final data logs, survey notes, and photographs which will be submitted to the Halff Associates, Inc. via digital means (i.e. email)

Fee and Schedule

CMEC will endeavor to follow a mutually agreed upon project schedule, which will be discussed with the Halff Associates upon Notice to Proceed.

The Scope of Services described above will be conducted for a **not-to-exceed value of \$30,462:**

Task 1 – Preparation of an Aquatic Resource Relocation Plan and Permit-\$1,245.00

Task 2 –Aquatic Resource Relocation Effort (Pre-Construction)-\$13,341.00

Task 3 –Aquatic Resource Relocation Effort (Draw-Down)-\$14,811.00

Task 4 – Relocation Reporting-\$1,065.00

CMEC greatly appreciates the opportunity to submit this proposal. Please feel free to contact me at 469-647-4866 or ryanb@coxmcclain.com if you have any questions.

RYAN BLANKENSHIP, CWB | Senior Wildlife Biologist | Office Manager

COX | McLAIN Environmental Consulting Inc.

Austin | **DFW Metroplex** | Houston | Tulsa | Oklahoma City | DC Metro

600 E. John Carpenter Freeway, Suite 186 | Irving, TX 75062

(c) 214.886.2559 | (p) 469.647.4866 | (f) 512.338.2225 | www.coxmcclain.com

Accepted by:

(Print Name)
for Halff Associates, Inc.

Date: _____

Approved by:

(Print Name)
for Cox | McLain Environmental Consulting, Inc.

Date: _____

Environmental Services Budget--Blanco Riverine Flood Mitigation Project													
ATTACHMENT A - FEE PROPOSAL (Cox McLain)													
Task No.	Task Description	Envl. Project Manager	Sr. Env. Scientist II	Sr. Env. Scientist I	Envl. Professional II	Envl. Professional I	Envl. Staff II	Envl. Staff I	Envl. Tech II	Envl. Tech I	Admin/ Clerical	Total Hours	Total Raw Labor
	Labor Rates	\$125.00	\$105.00	\$90.00	\$80.00	\$70.00	\$60.00	\$55.00	\$45.00	\$35.00	\$45.00		
1	Preparation of an ARRP and Permit (assistance, Primary document authored by Halff)												
1.A	Draft ARRP	0	2	2	2	0	0	0	0	0	0	6	\$550.00
1.B	Final ARRP	0	1	1	1	0	0	0	0	0	0	3	\$275.00
1.C	Permit Application (CMEC)	0	4	0	0	0	0	0	0	0	0	4	\$420.00
	Labor Expense Total (Task 1)	0	7	3	3	0	0	0	0	0	0	13	\$1,245.00
2	Pre-Construction Mussel Relocation (Mobilization 1)												
2.A	Relocation Prep	0	1	0	4	0	4	0	0	0	0	9	\$665.00
2.B	Travel and Mobilization (assume 3 CMEC staff)	0	8	0	8	0	8	0	0	0	0	24	\$1,960.00
2.C	Relocation Effort for Mussels in footprint of coffer dams	0	30	0	30	0	30	0	0	0	0	90	\$7,350.00
2.D	Post processing	0	2	0	2	0	2	0	0	0	0	6	\$490.00
	Labor Expense Total (Task 2)	0	41	0	44	0	44	0	0	0	0	129	\$10,465.00
3	Draw-Down Relocation Effort (Mobilization 2)												
3.A	Relocation Prep	0	1	0	4	0	4	0	0	0	0	9	\$665.00
3.B	Travel and Mobilization (assume 3 CMEC staff)	0	8	0	8	0	8	0	0	0	0	24	\$1,960.00
3.C	Relocation Effort for all aquatic fauna during draw down (Day 1)	0	12	0	12	0	12	0	0	0	0	36	\$2,940.00
3.D	Relocation Effort for all aquatic fauna during draw down (Day 2)	0	12	0	12	0	12	0	0	0	0	36	\$2,940.00
3.E	Relocation Effort for all aquatic fauna during draw down (Day 3)	0	12	0	12	0	12	0	0	0	0	36	\$2,940.00
3.F	Post Processing	0	2	0	2	0	2	0	0	0	0	6	\$490.00
	Labor Expense Total (Task 3)	0	47	0	50	0	50	0	0	0	0	147	\$11,935.00
4	Post-Relocation Summary Report (assistance, Primary document authored by Halff)												
4.A	Draft Report	0	2	2	2	0	4	0	0	0	0	10	\$790.00
4.D	Final Report	0	1	1	1	0	0	0	0	0	0	3	\$275.00
	Labor Expense Total (Task 1)	0	3	3	3	0	4	0	0	0	0	13	\$1,065.00
	DIRECT EXPENSES (Task 1)	UNITS						RATE					TOTAL
	NONE	0		Each				\$0.00					\$0.00
	Direct Expense Total												\$0.00
	Total Labor and Direct Expenses - Task 1												\$1,245.00
	DIRECT EXPENSES (Task 2)	UNITS						RATE					TOTAL
	Copies- Black & White (8.5 x 11)	50		Each				\$0.10					\$5.00
	Copies- Color (8.5 x 11)	50		Each				\$0.20					\$10.00
	Copies (11 x 17)	20		Each				\$0.10					\$2.00
	Car Mileage	1500		Mile				\$0.560					\$840.00
	Lodging (GSA rate)	9		Night				\$96.00					\$864.00
	Lodging-taxes (day)	9		Night				\$15.00					\$135.00
	Meals (GSA rate)	9		Day				\$55.00					\$495.00
	Relocation Supplies	3		Day				\$100.00					\$300.00
	Boat Fee	3		Day				\$75.00					\$225.00
	Direct Expense Total												\$2,876.00
	Total Labor and Direct Expenses - Task 2												\$13,341.00
	DIRECT EXPENSES (Task 3)	UNITS						RATE					TOTAL
	Copies- Black & White (8.5 x 11)	50		Each				\$0.10					\$5.00
	Copies- Color (8.5 x 11)	50		Each				\$0.20					\$10.00
	Copies (11 x 17)	20		Each				\$0.10					\$2.00
	Car Mileage	1500		Mile				\$0.560					\$840.00
	Lodging (GSA rate)	9		Night				\$96.00					\$864.00
	Lodging-taxes (day)	9		Night				\$15.00					\$135.00
	Meals (GSA rate)	9		Day				\$55.00					\$495.00
	Relocation Supplies	3		Day				\$100.00					\$300.00
	Boat Fee	3		Day				\$75.00					\$225.00
	Direct Expense Total												\$2,876.00
	Total Labor and Direct Expenses - Task 3												\$14,811.00
	DIRECT EXPENSES (Task 4)	UNITS						RATE					TOTAL
	NONE	0		Each				\$0.00					\$0.00
	Direct Expense Total												\$0.00
	Total Labor and Direct Expenses - Task 4												\$1,065.00
	Project Total	\$30,462.00											



April 15, 2021

Mr. Eric Ratzman, P.E.
Halff Associates, Inc.
9500 Amberglen Blvd., Bldg. F, Suite 125
Austin, TX 78729-1102

RE: Letter of Agreement for City of San Marcos Blanco Riverine CA, Structural Services

Aguirre & Fields, LP (the Sub-consultant) appreciates the opportunity to submit this letter of agreement to Halff Associates, Inc. (the Prime) for structural engineering services on the City of San Marcos Blanco Riverine project. Per discussion, the proposed effort shall include CA services on an as needed basis.

I. Scope of Work

- 200. PHASE 2 – Bid Support and Construction Administration
 - 6. Structural engineering CA services

II. Proposed Fee

The proposed fees for Structural Engineering Services shall be on an hourly not to exceed basis per the fee schedule in Attachment A:

200. PHASE 2 – Bid Support and Construction Administration	
6. Structural engineering CA services	= \$ 7,560.00

= \$ 7,560.00

III. Additional Documentation

The following documents are attached and made part of this Agreement:

Attachment A – Fee Schedule

Attachment B – Terms and Conditions

Thank you for the opportunity to enter into this agreement. Upon proposal acceptance, please sign, date and return a pdf copy to Aguirre & Fields.

Signed:

Aguirre & Fields, LP:

Aguirre, LLC – General Partner

Halff Associates, Inc.

Name

Title

Name

Title

Date

Date

AGUIRRE & FIELDS

12708 Riata Vista Circle, Suite A-109 • Austin, Texas 78727

ACIS #5
Detailed Fee Schedule

Blanco Riverine Flood Mitigation Project		Project Manager	Senior Structural Engineer	Structural Engineer	Graduate Engineer (EIT)	Engineering Tech	Contract Admin Specialist	Task Hours	LABOR COSTS	SUB COSTS	DIRECT COSTS	TOTAL
HOURLY RATES		\$200.00	\$200.00	\$150.00	\$110.00	\$80.00	\$80.00					
Phase	TASK DESCRIPTIONS											
200	PHASE 2 - Bid Support and Construction Administration											
6	Structural engineering CA services	4	24	8	8	8	2	54	\$7,560.00			\$7,560.00
TOTAL Estimated Hours		4	24	8	8	8	2	54				
TOTAL Estimated Fee		\$ 600.00	\$ 3,600.00	\$ 1,200.00	\$ 1,200.00	\$ 800.00	\$ 160.00		\$7,560.00	\$0.00	\$0.00	\$7,560.00
HOURLY RATES		\$150.00	\$150.00	\$150.00	\$150.00	\$100.00	\$80.00					



October 22, 2021

Proposal: HALFF102221.01

Al Brunson
Environmental Scientist / Asbestos Consultant
Halff Associates, Inc.

O: (713) 588-2444
C: (214) 557-8930



We improve lives and communities
by turning ideas into reality.

Via email to: abrunson@halff.com
cc: eratzman@halff.com

Re: Proposal for Asbestos Abatement Oversight & Air Monitoring at:
1410/1420 River Road - Two story duplex
1320 River Road - Two single family homes and one garage
1324 Old Martindale Road - Three metal structures

Dear Mr. Brunson,

DCG Environmental, LLC. (DCG) appreciates the opportunity to present the following asbestos abatement oversight proposal for the above referenced facilities. DCG will perform work in accordance with all local, state, and federal guidelines, including regulations of the Environmental Protection Agency (EPA), Occupational Safety and Health Administration (OSHA) and Texas Department of State and Health Services (TDSHS). DCG is fully licensed and insured to provide these services.

BACKGROUND

HALFF has requested that DCG provide abatement oversight, air monitoring, and final inspection services in connection with the abatement of asbestos-containing materials at the Site. Asbestos abatement activities will be performed by an abatement contractor in accordance with a written work plan. Per budgetary numbers provided, the abatement will take an estimated 200 hours to complete.

SCOPE OF WORK

DCG proposes to complete the following scope of work as described herein. Upon receipt of notice to proceed, DCG will coordinate with HALFF regarding the project schedule and deliverable(s).

Task 1: Asbestos Abatement Oversight/Air Monitoring Services

DCG's services will provide appropriately licensed/certified personnel to conduct the following:

- Preparation of a project-specific asbestos abatement specifications for contractor use.

- Participate in a site safety meeting with the abatement contractor designated representative(s), if available, at the beginning of the work shift(s) regarding potential safety issues and project progress.
- Inspect the work area(s) prior to commencement of asbestos abatement activities.
- Conduct area/perimeter air monitoring in areas adjacent to the abatement area during abatement activities at the building. Air monitoring will help ensure that airborne contaminant levels are not being surpassed per Work Plan and/or regulatory limits and that fiber levels outside the regulated area are within regulatory and specified guidelines. Air monitoring will be accomplished using the National Institute of Occupational Safety and Health (NIOSH) 7400 Method. Air sample analysis shall utilize Phase Contrast Microscopy (PCM).
- Perform ongoing observations of the work area(s), to document that abatement work is being carried out safely and in compliance with the requirements of the specification, or regulatory requirements, and to collect abatement progress data.
- Maintain a record of relevant observations and findings made during the abatement project.
- Communicate with HALFF project personnel as appropriate to provide status of project and any issues that may arise requiring their attention.

Task 2: Post-Abatement Clearance Services

DCG will conduct a visual inspection of work surfaces to verify that ACMs have been removed per the scope of work and to help ensure that visible dust and debris is not present in the work area(s). If the results of the visual inspection are satisfactory, final clearance air sampling will be conducted (as required) to ensure air quality within the contained work area meets regulatory standards. Once this is achieved, the abatement contractor may demobilize from the site.

CLOSE-OUT REPORT

At the end of the asbestos abatement project, DCG will provide the following applicable project documents: daily observation logs, area air monitoring results, analytical results, laboratory accreditation(s), company and personnel certification(s).

ASSUMPTIONS

The following assumptions provide the basis upon which DCG's proposed costs were developed for the project:

- No delays beyond DCG's control are encountered in performing the scope of work and all areas of the branch are available for access during the abatement project.
- According to prospective abatement contractors, and amount of material assumed to be abated, the abatement work is assumed to be 200 hours. Additional time or work shifts will require additional compensation and written authorization prior to DCG mobilization.
- DCG's air sampling will not include exposure assessment monitoring of the contractor's work force; such sampling is the responsibility of the abatement contractor.

- DCG's fees do not include additional site visits/shifts for schedule over-runs and/or failed visual clearances. Site visits by the DCG project manager are not anticipated and are not included in offered pricing.
- Any activities beyond those specified in the scope of work will be considered supplemental services and will be invoiced on a time-and-materials basis or covered under a separate, written proposal. However, no such services will be undertaken without HALFF's authorization.

FEES

DCG will provide the services described/defined herein as follows:

Asbestos Air Monitoring/Project Management for Seven Structures in San Marcos				
Description	Quantity	Unit	Unit Cost	Total
Asbestos Air Monitoring / Project Management	200 ¹	Hours (up to 10 hours per day)	\$85	\$17,000.00
Travel Expenses - Hotel/Per Diem	22	Day	\$150	\$3,300.00
Mileage	800	per mile	\$0.56	\$448.00
				\$20,748.00

¹ NOTE: This is an estimated number of hours. The per hour rate does not include weekends, holidays or overtime

ASSUMPTIONS AND LIMITATIONS

The following assumptions provide the basis upon which DCG's proposed costs were developed for the project:

- No delays beyond DCG's control are encountered in performing the scope of work and all areas of the subject properties are available for access during the scheduled site visit.
- Any activities beyond those specified in the scope of work will be considered supplemental services and will be invoiced on a time-and-materials basis or covered under a separate, written proposal. However, no such services will be undertaken without HALFF's authorization.

TERMS

The terms of this agreement for services are to be paid within 30 days of the date invoiced. The invoice will be emailed or delivered by a DCG representative.



CLOSING

DCG appreciates the opportunity to submit this proposal, and we look forward to the opportunity to demonstrate our professional services. To proceed with the proposed work, please return one signed copy of this proposal so that we may commence preparations for this project. If you have any questions or require and further information, please call me at the number provided below.

Respectfully,

Shelley Hines
President/Owner
DCG Environmental, LLC
254-681-3161
shines@dcgenvironmental.com

Acceptance:

Date: _____

Signature: _____

Name (Print): _____

Company: _____

Title: _____

PO: _____