



III.

Article 4, Compensation and Exhibit D, Fee Schedule shall be amended by increasing by \$398,323.31 the lump sum amount payable under the Contract for a total of \$2,629,427.60, as shown by the attached Addendum to Exhibit D.

**IN WITNESS WHEREOF**, the City and the Engineer have executed this Supplemental Contract in duplicate.

**HALFF ASSOCIATES, INC.**

By:   
\_\_\_\_\_  
Vice President  
\_\_\_\_\_

9/25/2023  
\_\_\_\_\_  
**Date**

**CITY OF ROUND ROCK**

**APPROVED AS TO FORM:**

**By:** \_\_\_\_\_  
**Craig Morgan, Mayor**

\_\_\_\_\_  
**Stephanie L. Sandre, City Attorney**

\_\_\_\_\_  
**Date**

**ADDENDUM TO EXHIBIT A  
CITY SERVICES**

**WYOMING SPRINGS SEGMENT 1  
CONSTRUCTION PHASE SERVICES  
FROM CREEK BEND BLVD / BRIGHTWATER BLVD TO SAM BASS ROAD**

The City will furnish to the Engineer the following information and/or perform the following tasks:

- Provide inspection, calls for testing, and testing of construction materials
- Coordinate between contractor and Engineer
- Handle monthly or regular meetings with contractor and review pay applications
- Notify engineer if karst void solutions are found by the contractor
- Coordinate and communicate project items and progress to other city departments, as appropriate

## **ADDENDUM TO EXHIBIT B ENGINEERING SERVICES**

### **WYOMING SPRINGS SEGMENT 1 CONSTRUCTION PHASE SERVICES**

#### **FROM CREEK BEND BLVD / BRIGHTWATER BLVD TO SAM BASS ROAD**

For the scope of services for this contract, the Engineer shall provide professional services for Construction Phase Services. Engineer will provide services described in further detail as follows:

#### **Task 9 – Sam Bass Road Revisions**

##### **9.1 Project Administration**

- Continued administration, meetings, for extended project duration

##### **9.2 Plan revisions to Sam Bass Road**

- Coordination with Williamson County, County General Engineering Consultant (GEC), County's Design Consultant, and City of Round Rock

##### **9.3 Utility research and Quality Level B (QL-B) Subsurface Utility Engineering (SUE) designating of water lines**

- Researched drawings and field located the Aqua and Brushy Creek Municipal Utility District (BCMUD) water lines

##### **9.4 Environmental documentation updates for Sam Bass Road project limits**

- Update to Regional Habitat Conservation Plan (RHCP) permit for expanded limits and Williamson County Conservation Foundation (WCCF) coordination
- Field work for expanded limits
- Update to documents for US Army Corps of Engineers (USACE), US Fish and Wildlife Service (USFWS), and Texas Historic Commission (THC) coordination
- Additional coordination with USACE and THC

##### **9.5 Updated plans at the Brushy Creek bridge crossing for County Brushy Creek Regional Trail (BCRT)**

- Coordination with Williamson County's Design Consultant for meetings CAD files and design of Wyoming Springs grading and drainage to mesh with the Brushy Creek Regional Trail project

#### 9.6 Continued Utility Coordination

- Coordination with BCMUD, Atmos, and Oncor for one year beyond original scope, including the coordination for the design and joint-bid structural cap over the Atmos gas crossing.

#### 9.7 Biologic Assessment (BA) Update for revised Sam Bass Project limits

- BA update to be provided by Sub consultant SWCA

### **Task 10 – Construction Phase Environmental Services**

The proposed project intends to construct a new roadway crossing, which will require partial dewatering of an impoundment of Dry Fork Creek within the City of Round Rock, Texas (30.529953, -97.723439). Under current regulatory guidance, the Texas Parks and Wildlife Department (TPWD) regulates any activity that may result in a loss of aquatic life. To minimize impacts to protected aquatic biota, TPWD requires the development and execution of an Aquatic Resource Relocation Plan (ARRP). Components of an ARRP include concentrated efforts to survey for, and relocate (if found), freshwater mussels, fishes, turtles, and crayfish (herein collectively referred to as “aquatic life”). Halff maintains specialized biologists (Stream Ecologist) with the necessary scientific permits to survey for, collect, and relocate the above-mentioned taxa as part of ARRP activities.

TPWD is particularly concerned with declining freshwater mussel populations and has special relocation procedures for this taxon. The intensity of mussel survey and relocation efforts are generally defined by what may be found within a given stream reach. Under current regulatory guidance, TPWD maintains a spatial dataset which groups streams, or in some cases stream segments, into five distinct stream groupings based on known mussel fauna and state/federal-listing status.

Currently, mussel stream groupings do not list Dry Fork Creek within the current dataset. Additionally, as an impoundment of a riverine feature, current regulatory guidance states that methodology for recovery and relocation of freshwater mussels should match expected freshwater mussel occupancy and diversity. To determine ARRP requirements, Halff discussed the proposed project with a TPWD Kills and Spills Biologist on 3/24/2023. TPWD indicated that since the impoundment was not included in a stream grouping and is unlikely to include any listed aquatic fauna, ARRP methodology could consist of monitoring the site during active dewatering to move stranded aquatic life to another nearby impoundment upstream of the proposed project area.

Therefore, an ARRP will be developed, which includes methodology for the recovery and relocation of stranded aquatic life during active dewatering, in addition to implementation of best management practices necessary to prevent unnecessary losses of aquatic life and to avoid compliance issues with TPWD. This process, in its entirety, is partitioned into the tasks described on subsequent pages of this document.

#### 10.1 Coordination and ARRP Development

Development and maintenance of effective communication between the City, Halff, government agencies, and the Contractor will be a key factor in achieving successful and expedient project completion. Halff will provide the City guidance and assist with agency staff coordination via e-mail and up to three (3) conference calls. This task also includes development of the ARRP, as coordination with agency staff and the

City is necessary to develop the ARRP and application for a TPWD Introduction Permit.

Deliverables:

- Electronic copies of meeting minutes from conference calls
- Electronic copies of the Aquatic Resource Relocation Plan and TPWD Introduction Permit application

#### 10.2 ARRP Field Relocations

Following the completion of **Task 10.1**, Halff will be on site with the Contractor during dewatering efforts to collect, enumerate, and relocate stranded aquatic life to prevent losses of these protected aquatic resources and prevent compliance issues with state/federal agencies. Halff will assume reporting of aquatic life authorized under the scientific research permit of the Stream Ecologist. This Task includes acquiring a TPWD-issued Introduction Permit.

Deliverable:

- Electronic copies of field notes/data collected while assisting with the aquatic life relocation effort

#### 10.3 ARRP Reporting

Following the completion of **Task 10.2**, Halff will produce both a relocation report to satisfy regulatory requirements with TPWD. This report will be submitted to the Client and TPWD.

Deliverable:

- Electronic copies of the Aquatic Resource Relocation Report

#### 10.4 Solution Feature Evaluations

- Solution cavity evaluations and reporting for the Texas Commission on Environmental Quality (TCEQ) will be handled by subconsultant SWCA (handling of 5 features is budgeted)

Deliverable:

- Report submitted to TCEQ in accordance with Edwards Aquifer regulations

### **EXCLUSIONS / OTHER ITEMS NOT INCLUDED IN THE PROJECT SCOPE**

- Task 10.1 does not include in-person meetings.
- This scope does not include laboratory identification (i.e., DNA or other) of freshwater mussels.
- Post-relocation monitoring of aquatic species, if required, is not included within this scope of work.
- Halff personnel maintain a Scientific Permit for Research (SPR) with specific authority to collect and relocate most aquatic organisms, including state-listed fishes and mussel, in the state of Texas. It is anticipated that all species which may be encountered within the proposed project area are authorized under the aforementioned permit; however, should

an organism be encountered which is not authorized under the permit, all activities will be stopped and the applicable state agency will be contacted for next steps.

- The Stream Ecologist does not maintain a federal permit at this time and any collection/handling/relocation of any federally-listed species will be done under the direction of the federally-permitted individual selected by the City (if applicable).
- While the presence of state or federally-listed mussels and/or fish is not anticipated, additional protocols and regulations may apply if an undocumented population of federal or state list species is found. An additional scope and fee will be produced should any additional effort be required to comply with state and/or federal regulations concerning protected wildlife.

### **ASSUMPTIONS**

- Locations within the project area are on city right-of-way, and right of entry/access will be provided to Halff.
- ARRP's require a TPWD-issued Introduction Permit. Once the permit is issued, the permit is active for 30 days before the permit expires and another permit must be issued. The City will coordinate with Halff at least 30 days in advance to conduct ARRP activities and allow sufficient time for coordination with TPWD.
- The City will coordinate with Halff regarding the timing and methodology of the proposed ARRP and mussel relocation activities.
- It is estimated that Task 10.2 activities would require three (3) ten (10)-hour days (each) by the Stream Ecologist and two (2) Unpermitted Assistants (other Halff biologists) to complete. Should additional field days be required per TPWD recommendation, or in the event of discovery of a significant freshwater mussel bed, or to prevent unnecessary losses of other aquatic life from the proposed activities, these additional services would be completed under a separate scope of work.
- TPWD expects that the holder of the Scientific Permit for Research (Halff's Stream Ecologist) use field data and results, species vouchers (live-captured specimens, specimens found dead, mussel valves, etc.), photographs, and reports for scientific research, the results of which may be used for, but not limited to, presentations and published in publicly available, peer-reviewed, scientific journals.

### **LIMITATIONS**

- The exact timing of the aquatic life relocation activities will be dependent upon conditions within the impoundment, (i.e., flow levels, etc.), other weather-related conditions, and other potential issues and/or concerns provided by the City or Halff. Due to the anticipated presence of various hazardous conditions within the project area (i.e., potential obstacles in the waterways, temperature, etc.), field activities will be conducted only when conditions are deemed safe.
- In the event that aquatic life are harmed or killed during recovery and/or relocation efforts, Halff will not be held liable. Halff will use best management practices and will conduct recovery and relocation activities in accordance with the TPWD-approved ARRP submitted by the City.

## **Task 11 – Construction Administration (CA) Services**

### **11.1 Project administration**

- Monthly invoicing, progress reports, sub and staff management

#### 11.2 Preconstruction Meeting

- Engineer will attend and present at a preconstruction meeting at the city

#### 11.3 Construction site visits

- Engineer will visit the site when requested (10 visits budgeted)

#### 11.4 Structural Engineer CA Services

- Bridge and wall submittals and RFIs will be handled by subconsultant Aguirre and Fields

#### 11.5 Submittal and shop drawing reviews

- Review contractor material submittals, provide shop drawing reviews, and track/log all submittals

#### 11.6 Submittal and shop drawing reviews (signal plans)

- Signalization submittals and RFIs will be handled by subconsultant BGE

#### 11.7 Responses to Requests for Information (RFIs) and questions

- Engineer will respond to contractor RFIs and track all RFIs in a log

#### 11.8 Change order reviews and coordination

- Engineer will review any change orders submitted by contractor

#### 11.9 Drawing revisions for owner directed field changes

- As needed, provide minor drawing revisions for field changes or small karst solution cavity treatments, if encountered

#### 11.10 Utility coordination, if required

- Engineer will coordinate with utility companies if unforeseen conflicts are discovered during construction

#### 11.11 Walk-through, punch list, and follow up

- Engineer will walk the project with city inspector, record deficiencies and provide punch-list of items needing correction/attention by contractor

#### 11.12 Record Drawings

- Engineer will provide record drawings to the city, based on plan redlines from inspector, contractor, and field changes

#### 11.13 Close-out

- Engineer will provide standard documentation to the city for closing out the project with the contractor.

### **Task 12 – Post Construction Letter of Map Revision (LOMR)**

#### 12.1 Prepare LOMR Submittal

- i. Prepare LOMR submittal package for Brushy Creek for the 10-year, 50-year, 100-year, 500-year, and ultimate 100-year frequency storm events and Dry Fork for the 100-year and 500-year frequency storm events based on the Upper Brushy Creek Federal Emergency Management Agency (FEMA) effective models provided by the City. These models are considered to be the best available data at this time.
- ii. Record Drawings to be provided by Halff Public Works for inclusion with the LOMR submittal.
- iii. Prepare effective, corrected effective, pre-project, and post project hydrology and hydraulic models and run cHECK-RAS for all HEC-RAS models.
- iv. Prepare exhibits and tables showing floodplain tie-in points upstream and downstream of the proposed project.

- v. Update hydrology, flood profiles, and floodway data tables in the FIS as needed.
- vi. Prepare MT-2 FEMA forms for LOMR submittal to City and FEMA.
- vii. Submit LOMR to City Floodplain Administrator for review and approval. This scope assumes one (1) meeting with the City Floodplain Administrator.
- viii. Submit LOMR to Williamson County Floodplain Administrator for review and approval. This scope assumes one (1) meeting with the County Floodplain Administrator.
- ix. Submit LOMR to FEMA for review and approval. A FEMA review fee is required upon submittal to FEMA and will be submitted on Halff's invoice as a pass-through expense to be paid by the City.
- x. Coordinate up to two (2) iterations with FEMA reviewers.

#### 12.2 Coordination with City Floodplain Administrator (FPA)

- Engineer will coordinate with City of Round Rock's Floodplain administrator

#### 12.3 Coordination with County FPA

- The Engineer will coordinate with Williamson County's Floodplain administrator

#### 12.4 Coordination with FEMA Reviewer

- The Engineer will coordinate with FEMA for the submittal, review, and acceptance of the LOMR

#### 12.5 Bridge Survey

Bridge 1 - Dry Fork Bridge, as shown on the Wyoming springs at Dry Fork Creek bridge layouts.

Bridge 2 – Brushy Creek Bridge as shown on the Wyoming Springs at Brushy Creek Bridge Layouts.

The Engineer will perform a bridge feature survey of the subject bridges(s) in accordance with the FEMA November 2021 Guidance for Flood Risk Analysis and Mapping Data Capture-workflow Details. The following specific services will be provided:

- Survey data shall be collected according to section 6
- Obtain photos Per section 6.1
- Create sketches per section 6.2
- Create survey field notes as per 6.4.1
- Aerial or mobile LiDAR and conventional survey methods may be used for data collection.
- Process field collected data for field survey.
- Perform quality control for survey requirements.
- Provide a comma delimited text file as per section 6.3

#### 12.6 FEMA LOMR Fee

- Engineer will pay the LOMR fee and bill for reimbursement from the city

**EXHIBIT B OVERALL SUMMARY OF DELIVERABLES:**

- Final plans conforming to County plans at Sam Bass Road
- Updated BA for review by USACE and USFWS
- Reviewed contractor submittals
- Responses to all RFIs
- Monthly progress reports
- Record Drawings
- Letter of Map Revision (LOMR) to FEMA

**Services Excluded from this Scope of Services:**

- Public Involvement

The Engineer will perform the services to be provided under this agreement out of Engineer's office(s) as listed below:

Office Location  
Halff Austin (North)  
13620 Briarwick Drive  
Suite 100  
Austin, TX 78729

**Sub-Consultants:**

Aguirre & Fields  
BGE  
SWCA

**ADDENDUM TO EXHIBIT C  
WORK SCHEDULE**

Attached Behind This Page

WYOMING SPRINGS PROJECT SCHEDULE

CITY OF ROUND ROCK  
HALFF AVO: 36179.002

	2023						2024												2025											
PROJECT TASKS	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC
COUNCIL AWARD OF CONSTRUCTION SERVICES			★																											
USACE & USFWS COORDINATION																														
USACE & USFWS APPROVAL							★																							
BCMUD WATERLINE INTO BID DOCUMENTS																														
CLOMR SUBMITTAL			★																											
CLOMR REVIEW/APPROVAL BY FEMA							★																							
LOMR PREP AND SUBMITTAL TO FEMA																														
WPAP/SCS SUBMITTAL		★																												
WPAP/SCS REVIEW/APPROVAL BY TCEQ							★																							
UTILITY COORDINATION																														
UTILITY RELOCATION																														
BIDDING/CONTRACTING																														
CONSTRUCTION																														

**ADDENDUM TO EXHIBIT D  
FEE SCHEDULE**

Attached Behind This Page

**ADDENDUM TO EXHIBIT D  
CONSTRUCTION PHASE SERVICES**

**FEE SCHEDULE**

Fees to be billed on a hourly not to exceed basis, except as noted below.

TASK 9 – Sam Bass Road revisions	\$	97,310.91 (lump sum)
TASK 10 – Environmental Services	\$	59,220.00 (hourly)
TASK 11 – Construction Administration	\$	179,610.80 (hourly)
TASK 12 – Letter of Map Revision	\$	62,181.60 (hourly)
<b>TOTAL FEE</b>	<b>\$</b>	<b>398,323.31</b>

Addendum to EXHIBIT D SC#3  
Detailed Fee Schedule  
(Hourly Rate Contract)

Wyoming Springs Design		Senior Project Advisor	Sr Review Engineer	Senior Engineer	Project Engineer	Junior Engineer	Graduate Engineer (EIT)	Senior Environmental Manager	Project Environmental Scientist	Junior Environmental Scientist	Utility Coordination Manager	Landscape Architect	Survey / SUE Manager	Utility Coordinator	SUE Technician	SUE Crew Mgr	2-man SUE or Survey Crew	CADD / GIS Tech	Contract Admin Specialist	Task Hours	LABOR COSTS	SUB COSTS	DIRECT COSTS	TOTAL
	TASK DESCRIPTIONS																							
TASK 9 - Sam Bass Rd Revisions (LUMP SUM BASIS)																								
9.1	Project administration, coord, and meetings	16			16														16	48	\$9,440.00			\$9,440.00
9.2	Plan revisions to mesh with County Sam Bass plans	8		16	24	48	40													136	\$23,264.00			\$23,264.00
9.3	Utility research and QL-B designating of water lines												4		12	16	16	8		56	\$9,248.00			\$9,248.00
9.4	Environmental document updates	2		2					24	48										84	\$11,106.00			\$11,106.00
9.5	Design update at BC bridge for County BCRT	2			16	8	16	8												42	\$7,020.00			\$7,020.00
9.6	Additional Coordination with BCMUD, Atmos, and Oncor	8									48			80						136	\$26,640.00			\$26,640.00
9.7	Biological Assessment Updates for Sam Bass																				\$0.00	\$10,592.91		\$10,592.91
TASK 9 SUBTOTAL		36	0	18	56	56	56	8	24	48	48	0	4	80	12	16	16	8	16	502	\$86,718.00	\$10,592.91	\$0.00	\$97,310.91
TASK 10 - Construction Phase Environmental Services																								
10.1	ARRP Development							8	16	12										36	\$5,304.00			\$5,304.00
10.2	ARRP Field Relocations							16	48	72										136	\$17,904.00		\$1,524.00	\$19,428.00
10.3	ARRP Reporting							12	40	48										100	\$13,488.00			\$13,488.00
10.4	Solution Feature Evaluations																			0	\$0.00	\$21,000.00		\$21,000.00
TASK 10 SUBTOTAL		0	0	0	0	0	0	36	104	132	0	0	0	0	0	0	0	0	0	272	\$36,696.00	\$21,000.00	\$1,524.00	\$59,220.00
TASK 11 - Contruction Administration Services																								
11.1	Project administration, invoicing, progress reporting	2	8	32															16	58	\$10,620.00			\$10,620.00
11.2	Preconstruction meeting	2		2			4													8	\$1,518.00			\$1,518.00
11.3	Construction meetings and/or site visits				15															15	\$2,775.00		\$104.80	\$2,879.80
11.4	Structural Engineer CA Services																			0	\$0.00	\$50,647.00		\$50,647.00
11.5	Submittal and shop drawing reviews	2		16	64		64					16								162	\$26,644.00			\$26,644.00
11.6	Submittal and shop drawing reviews (signal plans)																			0	\$0.00	\$10,732.50	\$65.50	\$10,798.00
11.7	Responses to RFIs and questions	4		24	80		60													168	\$28,836.00			\$28,836.00
11.8	Change order reviews and coordination				16															16	\$2,960.00			\$2,960.00
11.9	Drawing revisions for field changes or karst solutions	4		24	48		64													140	\$23,456.00			\$23,456.00
11.10	Utility coordination, if required													16						24	\$4,520.00			\$4,520.00
11.11	Walk-through, punchlist, and followup	2		8	8						8									18	\$3,652.00			\$3,652.00
11.12	Record Drawings				8	12	40													60	\$8,860.00			\$8,860.00
11.13	Close-out	2			8		16													26	\$4,220.00			\$4,220.00
TASK 11 SUBTOTAL		18	8	106	247	12	248	0	0	0	8	16	0	16	0	0	0	0	16	695	\$118,061.00	\$61,379.50	\$170.30	\$179,610.80
TASK 12 - Post Construction LOMR																								
12.1	Prepare LOMR Submittal		4		48		80													132	\$20,596.00			\$20,596.00
12.2	Coordination with City FPA		8		16		20													44	\$7,492.00			\$7,492.00
12.3	Coordination with County FPA		4		16		20													40	\$6,576.00			\$6,576.00
12.4	Coordination with FEMA Reviewer		8		20		24													52	\$8,772.00			\$8,772.00
12.5	Bridge Survey												8				32	16		56	\$10,536.00		\$209.60	\$10,745.60
12.6	FEMA LOMR Fee																			0	\$0.00	\$8,000.00		\$8,000.00
		0	24	0	100	0	144	0	0	0	0	0	8	0	0	0	32	16	0	324	\$53,972.00	\$0.00	\$8,209.60	\$62,181.60
TOTAL Estimated Hours		54	32	124	403	68	448	44	128	180	56	16	12	96	12	16	48	24	32	1793				
TOTAL Estimated Fee		\$ 15,660.00	\$ 7,328.00	\$ 24,676.00	\$ 74,555.00	\$ 11,220.00	\$ 60,480.00	\$ 8,448.00	\$ 20,736.00	\$ 17,640.00	\$ 12,040.00	\$ 2,400.00	\$ 2,820.00	\$ 16,800.00	\$ 1,500.00	\$ 2,480.00	\$ 10,128.00	\$ 2,856.00	\$ 3,680.00		\$295,447.00	\$92,972.41	\$9,903.90	\$398,323.31
HOURLY RATES		\$290.00	\$229.00	\$199.00	\$185.00	\$165.00	\$135.00	\$192.00	\$162.00	\$98.00	\$215.00	\$150.00	\$235.00	\$175.00	\$125.00	\$155.00	\$211.00	\$119.00	\$115.00					