

**CONTRACT AMENDMENT NO. 1**  
**TO**  
**WILLIAMSON COUNTY CONTRACT FOR**  
**ENGINEERING SERVICES**

**WILLIAMSON COUNTY ROAD BOND PROJECT:  
MoKan Corridor Planning & Design ("Project")**

THIS CONTRACT AMENDMENT NO. 1 to Williamson County Contract for Engineering Services is by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and CP&Y, Inc. (the "Engineer") and becomes effective as of the date of the last party's execution below.

WHEREAS, the County and the Engineer executed the Williamson County Contract for Engineering Services dated effective February 25<sup>th</sup>, 2020 (the "Contract");

WHEREAS, pursuant to Article 14 of the Contract, the terms of the Contract may be modified by a written fully executed Contract Amendment;

WHEREAS, the "Compensation Cap" under Article 5 of the Contract limits the maximum amount payable under the Contract to \$3,000,000.00; and,

WHEREAS, the overall scope of Engineering Services set forth in Exhibit B are limited to the services in said Exhibit B; and,

WHEREAS, the Rate Schedule in Exhibit D of the Contract are limited to the rates noted in said Exhibit D; and,

WHEREAS, it has become necessary to amend the Contract.

**AGREEMENT**

NOW, THEREFORE, premises considered, the County and the Engineer agree that the Contract is amended as follows:

- I. The Compensation Cap under Article 5 of the Contract without modification remains at \$3,000,000.00.
- II. The original Exhibit B of the Contract is hereby amended as shown in the attached revised Exhibit B-1, to add Traffic Analysis services.
- III. The hourly Rates in the original Exhibit D of the Contract are hereby amended as shown in the attached revised Exhibit D-1 (must be attached).

All other terms of the Contract are unchanged and will remain in full force and effect.

IN WITNESS WHEREOF, the County and the Engineer have executed this Contract Amendment, in duplicate, to be effective as of the date of the last party's execution below.

ENGINEER:

By: Andrew Atlas  
Signature

Andrew Atlas  
Printed Name

Senior Vice President  
Title

April 27, 2020  
Date

COUNTY:

By: Bill Gravel Jr.  
Signature

Bill Gravel Jr.  
Printed Name

County Judge  
Title

5/5/2020  
Date

mm  
04/27/2020

## **LIST OF EXHIBITS ATTACHED**

(1) **Exhibit B-1**      Engineering Services

(2) **Exhibit D-1**      Rate Schedule

## **EXHIBIT B-1**

### **ENGINEERING SERVICES**

**General Work Description:** Provide engineering services and planning to develop Transportation Corridor MoKan.

The Engineer may perform any or all of the following tasks listed below, as described in detailing each Work Authorization:

**TASK 1 - PROJECT MANAGEMENT**

**TASK 2 - ROUTE AND DESIGN STUDIES**

**TASK 3 - PUBLIC INVOLVEMENT**

**TASK 4 - SURVEYING**

**TASK 5 - ROW MAPPING**

**TASK 6 - ENVIRONMENTAL STUDIES & DOCUMENTS**

**TASK 7 - GEOTECHNICAL SERVICES**

**TASK 8 - PLANS, SPECIFICATIONS AND ESTIMATE (PS&E)**

**TASK 9 - CONSTRUCTION PHASE SERVICES**

**Adding: TASK 10 – TRAFFIC ANALYSIS**

Exhibit D-1 - Rate  
MoKan Corridor Planning & Design

CP&Y, Inc.	
Direct Labor	
CATEGORY	RATE
Senior Project Manager	\$265.00
Quality Manager	\$174.00
Senior Engineer	\$224.00
Project Engineer	\$191.00
Design Engineer	\$158.00
Engineer-In-Training	\$121.00
Senior Engineer Tech	\$154.00
Engineer Tech	\$111.00
Survey Project Manager	\$200.00
Project Surveyor/RPLS	\$150.00
Senior Survey Tech	\$126.00
Survey Technician	\$105.00
1-man Field Crew	\$125.00
2-man Field Crew	\$150.00
3-man Field Crew	\$180.00
Executive Assistant	\$84.00
Environmental Manager	\$251.00
Senior Environmental Planner	\$245.00
Environmental Planner IV	\$174.00
Environmental Planner I/II	\$111.00
Senior Environmental Scientist	\$174.00
Environmental Scientist IV	\$154.00
Environmental Scientist III	\$121.00
Environmental Scientist I/II	\$111.00
Senior Architectural Historian	\$148.00
Architectural Historian	\$107.00
Admin/Clerical	\$121.00
Senior GIS Operator	\$111.00
GIS Operator	\$101.00

Exhibit D-1 - Rate  
MoKan Corridor Planning & Design

Alliance Transportation Group, Inc.	
CATEGORY	RATE
Project Principal	\$290.00
Senior Project Manager	\$274.00
Project Manager	\$248.00
Senior Engineer	\$213.00
Project Engineer	\$194.00
Traffic Engineer	\$162.00
Engineer-in-Training	\$125.00
Senior Engineering Technician	\$145.00
Engineering Technician	\$105.00
Jr Engineering Technician	\$65.00
Project Administrator	\$109.00
Clerical	\$86.00
Planner I/II	\$105.00
Planner III	\$135.00
Travel Demand Modeler I/II	\$140.00
Travel Demand Modeler III	\$180.00
Sr Travel Demand Modeler/Planner	\$213.00

Exhibit D-1 - Rate  
MoKan Corridor Planning & Design

CDM Smith	
Direct Labor	
CATEGORY	RATE
Project Principal	\$350.00
Senior Project Engineer	\$300.00
Senior Engineer	\$250.00
Project Engineer	\$175.00
Engineer-in-Training (EIT)	\$125.00
Senior Engineering Technician	\$140.00
Engineering Technician	\$100.00
Planning Director	\$300.00
Senior Travel Demand Modeler	\$275.00
Travel Demand Modeler III	\$250.00
Travel Demand Modeler II	\$150.00
Senior Planner	\$220.00
Planner II	\$150.00
Planner I	\$125.00
Project Administrator	\$125.00
Clerical	\$100.00
Quality Manager	\$250.00

Exhibit D-1 - Rate  
MoKan Corridor Planning & Design

Corsair Consulting, LLC	
Direct Labor	
CATEGORY	RATE
Principal	\$271.00
Senior Project Manager	\$271.00
Project Manager	\$240.87
Senior Engineer	\$180.66
Project Engineer	\$165.59
Design Engineer	\$143.01
Engineer-In-Training	\$105.37
Senior Engineer Tech	\$82.80
Engineer Tech	\$46.97
Admin/Clerical	\$75.28



Exhibit D-1 - Rate  
MoKan Corridor Planning & Design

<b>Cox McLain Environmental Consulting</b>	
<b>Direct Labor</b>	
<b>CATEGORY</b>	<b>RATE</b>
CR Principal Investigator	\$125.00
CR Field Director	\$85.00
CR Crew Chief	\$70.00
CR Field Crew I	\$45.00
CR Field Crew II	\$55.00
GIS Operator	\$80.00
Technical Writer / Editor	\$75.00
Admin / Safety	\$65.00
Environmental Manager	\$160.00
Senior Environmental Planner	\$125.00
Environmental Planner IV	\$110.00
Environmental Planner I/II	\$80.00
Senior Environmental Scientist	\$90.00
Environmental Scientist IV	\$80.00
Environmental Scientist III	\$70.00
Environmental Scientist I/II	\$60.00
Senior Architectural Historian	\$110.00
Architectural Historian	\$85.00

Exhibit D-1 - Rate  
MoKan Corridor Planning & Design

Halff	
Direct Labor	
CATEGORY	RATE
Technical Advisor	\$350
Project Manager	\$265
Quality Manager	\$230
Senior Engineer	\$220
Project Engineer	\$180
Design Engineer	\$155
Engineer-In-Training	\$118
Senior Engineer Tech	\$130
Engineer Tech	\$100
Senior CADD Operator	\$115
CADD Operator	\$90
Senior GIS Operator	\$150
GIS Operator	\$120
GIS Technician	\$85
Admin/Clerical	\$80

Exhibit D-1 - Rate  
MoKan Corridor Planning & Design

K. Friese and Associates	
Direct Labor	
CATEGORY	RATE
Senior Project Manager	\$250.00
Quality Manager	\$240.00
Senior Engineer	\$225.00
Project Engineer	\$185.00
Design Engineer	\$150.00
Engineer-In-Training	\$125.00
Senior Engineer Tech	\$130.00
Engineer Tech	\$125.00
Admin/Clerical	\$90.00
Senior GIS Operator	\$130.00
GIS Operator	\$125.00
GIS Technician	\$110.00

Exhibit D-1 - Rate  
MoKan Corridor Planning & Design

<b>Surveying And Mapping, Inc.</b>	
<b>Direct Labor</b>	
<b>CATEGORY</b>	<b>RATE</b>
Project Engineer	\$180.00
Senior Project Engineer	\$195.00
Engineer Tech	\$102.00
Admin/Clerical	\$75.00
Principal	\$200.00
Senior Project Manager	\$175.00
Project Manager	\$150.00
Senior Survey Technician	\$105.00
Survey Technician	\$95.00
Two (2) Person Survey Field Crew	\$150.00
Three (3) Person Survey Field Crew	\$190.00
Project Coordinator - Mobile LiDAR	\$120.00
Senior Field Coordinator	\$160.00
Field Coordinator	\$125.00
Mobile LiDAR Processing Technician	\$98.00
Project Coordinator - AM	\$120.00
Certified Photogrammetrist	\$120.00
Analytical Triangulation Specialist	\$110.00
Aerial Mapping Technician	\$98.00
Orthophoto Specialist	\$110.00
Mapping Editor (includes QA/QC, Finishing, & Finalization)	\$98.00
Aerial Office Technician	\$98.00
Project Coordinator - AP	\$120.00
Aerial Processing Technician	\$110.00
Project Coordinator - FWAL	\$120.00
Airborne LiDAR Processing Technician	\$110.00
Project Coordinator - HAL	\$120.00
Helicopter LiDAR Processing Technician	\$110.00
Helicopter LiDAR Processing Technician	\$110.00
EIT / Graduate Engineer	\$128.00
Senior Engineer Tech	\$125.00

Exhibit D-1 - Rate  
MoKan Corridor Planning & Design

<b>DIRECT EXPENSES FOR PRIME AND ALL SUBS</b>	<b>RATE</b>
Photocopies B/W (8 1/2" X 11") / each	\$0.25
Photocopies B/W (11" X 17") / each	\$0.50
Photocopies Color (8 1/2" X 11") / each	\$0.75
Photocopies Color (11" X 17") / each	\$1.50
Digital Ortho Plotting / sheet	\$2.50
Plots (B/W on Bond) / square foot	\$1.00
Plots (Color on Bond) / square foot	\$2.00
Plots (Color on Photographic Paper) / square foot	\$5.50
Color Graphics on Foam Board / square foot (bill actual w/o tax)	\$11.00
Cardstock Color (8 1/2" x 11") / each	\$2.00
Reproduction of CD/DVD / each	\$30.00
CDs/DVDs / each	\$2.00
Cardstock Color (8 1/2" x 11") / each	\$2.00
4" X 6" Digital Color Print / picture	\$0.50
Noise Meter Rental / per day	\$80.00
Backhoe and operator/per day	\$1,450.00
GPS GIS Grade (per day)	\$80.00
MOBILIZATION \ DEMOBILIZATION / LS	\$500.00
SOIL DRILLING & SAMPLING (COHESIVE SOILS): CONTINUOUS IN THE UPPER 10 FT AND AT 5 FT INTERVALS THEREAFTER. SPT SAMPLES IN GRANULAR SOILS. / PER FOOT	\$28.00
ROCK CORING / PER FOOT	\$42.00
TCP TESTS (AT 5 FT. INTERVALS IN ALL BORINGS). / EACH	\$15.00
BACKFILL WITH SOIL CUTTINGS / GROUTING WITH BENTONITE CHIPS. / PER FOOT	\$8.00
MOISTURE CONTENT (ASTM D2216) / EACH	\$10.00
ATTERBERG LIMITS (ASTM 4318) / EACH	\$80.00
PERCENT PASSING NO. 200 SIEVE (ASTM D1140) / EACH	\$42.00
SIEVE ANALYSIS (ASTM D422) / EACH	\$95.00
UNCONFINED COMPRESSIVE - SOIL (ASTM D2166) / EACH	\$70.00
UNCONFINED COMPRESSIVE - ROCK (ASTM D7012) / EACH	\$75.00
CONSOLIDATED-UNDRAINED COMPRESSION TEST WITH PORE PRESSURE, MULTI- SAMPLE, 3 PER FAILURE ENVELOPE (INCLUDES DUW & STRESS-STRAIN CURVES) ASTM D4767 / EACH	\$1,400.00
CONSOLIDATION, INCREMENTAL LOADING (ASTM 2435) / EACH	\$500.00
CORROSION SUITE (SULFATES, CHLORIDES, AND PH) / EACH	\$175.00
RESILIENT MODULUS (RM) / EACH	\$650.00
STANDARD PROCTOR (ASTM 698) / EACH	\$250.00
TRAFFIC CONTROL / DAY	\$2,300.00
SAMPLE STORAGE (PER MONTH) / MONTH	\$500.00
Deed Copies/Sheet	\$2.00
Control Monuments/each	\$90.00
Ground Target(Includes paint, panel material, etc.)/each	\$20.00
GPS Receiver / Hour	\$25.00
Terrestrial Laser Scanner / Hour	\$100.00
Helicopter Airborne Lidar / Hour	\$700.00

Exhibit D-1 - Rate  
MoKan Corridor Planning & Design

<b>DIRECT EXPENSES FOR PRIME AND ALL SUBS</b>	<b>RATE</b>
Digital Imagery Processing / Each	\$30.00
LiDAR Mobile Mapping System / Day	\$9,500.00
Aerial Photography Flight Crew Fixed Wing Aircraft / Hour	\$205.00
LiDAR Flight Crew Fixed Wing Aircraft (Includes Pilot and LiDAR Operator) / Hour	\$120.00
Helicopter Flight Crew (Includes Pilot and LiDAR Operator) / Hour	\$315.00
AP Transit Miles / Mile	\$15.00
AP Project Flight Miles / Mile	\$35.00
AP ABGPS Processing / Project	\$3,000.00
FWAL Transit Miles / Mile	\$15.00
FWAL Project Flight Miles / Mile	\$35.00
Aerial LiDAR System / Day	\$1,300.00
B&W processing (film, development, scanning) / each	\$25.00
CIR processing (film, development, scanning) / each	\$30.00
Color processing (film, development, scanning) / each	\$30.00
Digital Image Processing / each	\$27.00
Ground Penetrating Radar	\$415.00
Specialty Equipment (Sonde, Radio Beacon, Duct Rodder) (Day Rate)	\$35.00
Geophysical Locating Equipment (Day Rate)	\$65.00
Environmental Supplies (Day Rate)	\$27.00
ATV or Utility Vehicle (Day Rate)	\$75.00
Mobilization for Aerial Photography/LiDAR Fixed Wing Aircraft (Includes aircraft, Pilot, Camera/LiDAR Operator, fuel and transportation cost)	\$27,500.00
Mobilization for Helicopter Airborne LiDAR (Includes helicopter, Pilot, LiDAR Operator, fuel and transportation cost)	\$27,500.00
Mobilization for Rotary Wing Unmanned Aerial System Photography/LiDAR (Includes aircraft, Pilot, Camera/LiDAR Operator, fuel and transportation cost)	\$5,000.00
Mobilization for Fixed Wing Unmanned Aerial System Photography/LiDAR (Includes aircraft, Pilot, Camera/LiDAR Operator, fuel and transportation cost)	\$5,000.00
Mobilization for Mobile Mapping System (Includes Vehicle, Driver, Camera/LiDAR Operator, fuel and transportation cost)	\$9,500.00
2-hour turning movement counts (7 ints x 2 peaks) / each	\$350.00
Travel Time runs (AM and PM 2-hour peaks) / hour	\$55.00