



**CONTRACT AMENDMENT NO. 3**  
**TO**  
**WILLIAMSON COUNTY CONTRACT FOR**  
**ENGINEERING SERVICES**

**WILLIAMSON COUNTY ROAD BOND PROJECT:  
SW Bypass/SH 29 Bypass/Inner Loop (IH35-RM2243) [P243] ("Project")**

THIS CONTRACT AMENDMENT NO. 3 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 HDR Engineering, 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 December 3, 2014 (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 \$3,100,000.00; 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 hourly Rates in the original Exhibit D of the Contract are hereby amended as shown in the attached revised Exhibit D (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: [Signature]  
Signature

LEE FRIEBERG  
Printed Name

OFFICE PRINCIPAL  
Title

9/21/2017  
Date

**COUNTY:**

By: [Signature]  
Signature

DAN A. GATTI  
Printed Name

County Judge  
Title

10-04-2017  
Date

OK  
9/20/2017

## **EXHIBIT D**

### **RATE SCHEDULE**

#### **HDR Engineering, Inc.:**

Senior Project Manager	\$240.00 per hour
Senior Engineer	\$195.00 per hour
Project Engineer	\$150.00 per hour
Design Engineer	\$125.00 per hour
EIT	\$115.00 per hour
Senior GIS Tech	\$135.00 per hour
GIS Tech	\$100.00 per hour
Senior Engineer Tech	\$115.00 per hour
CAD Operator	\$ 90.00 per hour
Senior Env Project Manager	\$230.00 per hour
Senior Env Planner	\$165.00 per hour
Senior ENV Scientist	\$125.00 per hour
Env Scientist	\$ 90.00 per hour
Admin/Clerical	\$ 65.00 per hour

#### **INLAND GEODETICS, LLC**

##### **Field Crew Services**

Two (2) Person Field Crew	\$138.00 per hour
Three (3) Person Field Crew	\$160.00 per hour
Four (4) Person Field Crew	\$183.00 per hour
Additional Crewmember	\$ 42.00 per hour
GPS Field Operator/Vehicle/GPS Receiver	\$118.00 per hour
All Terrain Vehicle	\$ 55.00 per day
Additional Vehicle	\$ 60.00 per day

Crew Rates include one four wheel drive vehicle. There is no mileage charge for fully equipped field vehicles when the job site is within 50 miles of the office from which the survey crew originates. Field crew stand by time will be charged at stated rates. Field party rates include conventional equipment, supplies and survey vehicles. Abnormal use of stakes, lathes, etc., used such as during the construction phase of a project will be charged as indicated. A minimum of two (2) hours field party time charge will be made for show-up time and return to office, resulting from inclement weather conditions, etc.

##### **Office Personnel Services**

Office personnel are available at fixed hourly rates.

Project Manager	\$136.00 per hour
Licensed State Land Surveyor	\$132.00 per hour
Registered Professional Land Surveyor	\$132.00 per hour
Survey Technician	\$ 98.00 per hour
Clerical Support	\$ 54.00 per hour

**Buie & Co. Public Relations:**

Principal:	\$150.00 per hour
Account Service Staff:	\$125.00 per hour

**SWCA Environmental Consultants**

Project Manager	\$182.00 per hour
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**Consulting Services:**

Cultural Resources	Air Quality
Environmental Resources	Graphics / Media Production
Paleontology	GIS / CADD Resources
Scientific Resources	Technical Writing / Editing
Planning Resources	Principal Investigator

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Subject Matter Expert XI	\$315.00 per hour
Subject Matter Expert X	\$301.90 per hour
Subject Matter Expert IX	\$288.80 per hour
Subject Matter Expert VIII	\$275.70 per hour
Subject Matter Expert VII	\$262.60 per hour
Subject Matter Expert VI	\$249.50 per hour
Subject Matter Expert V	\$236.40 per hour
Subject Matter Expert IV	\$223.30 per hour
Subject Matter Expert III	\$210.20 per hour
Subject Matter Expert II	\$197.10 per hour
Subject Matter Expert I	\$184.00 per hour
Specialist XI	\$182.00 per hour
Specialist X	\$166.00 per hour
Specialist IX	\$149.00 per hour
Specialist VIII	\$138.00 per hour
Specialist VII	\$127.00 per hour
Specialist VI	\$116.00 per hour
Specialist V	\$105.00 per hour
Specialist IV	\$ 93.00 per hour
Specialist III	\$ 83.00 per hour
Specialist II	\$ 71.00 per hour
Specialist I	\$ 61.00 per hour
Technician II	\$ 49.00 per hour
Technician I	\$ 39.00 per hour
Administrative VII	\$105.00 per hour
Administrative VI	\$ 93.00 per hour
Administrative V	\$ 83.00 per hour
Administrative IV	\$ 71.00 per hour
Administrative III	\$ 61.00 per hour

Administrative II	\$ 49.00 per hour
Administrative I	\$ 39.00 per hour

### **Terracon**

#### **Geotechnical Personnel**

Senior Principal / Officer / Consultant, P.E.	\$170.00 per hour
Principal Geotechnical Engineer, P.E.	\$140.00 per hour
Senior Geotechnical Engineer, P.E.	\$130.00 per hour
Project Manager	\$115.00 per hour
Project Geotechnical Engineer	\$105.00 per hour
Staff Geotechnical Engineer	\$ 95.00 per hour
Field Geologist, P.G.	\$ 75.00 per hour
Senior Engineering Technician	\$ 48.00 per hour
Engineering Technician	\$ 44.00 per hour
Drilling / Field Services Coordinator	\$ 60.00 per hour
Extra Drilling Crew Member	\$ 50.00 per hour
Draftsman	\$ 70.00 per hour
Clerical Support /Administrative Staff	\$ 48.00 per hour

#### **Field Services**

Mobilization, Truck-Mounted Drill Rig (within 50 mile of office)	\$ 300.00
Addl. Mileage of Drill Rig, (beyond 50 mile of office)	\$ 3.50
Minimum Field Charge for Truck-Mounted Drill Rig, per day	\$ 700.00
Mobilization of Track/ -Mounted Drill Rig, each (within 50 mile of office)	\$ 500.00
Addl. Mileage of Track/ATV Drill Rig, per mile (beyond 50 mile of office)	\$ 6.00
Minimum Field Charge for Track/ATV-Mounted Drill Rig, per day	\$1,500.00
Drilling Crew hourly rate (two-man crew), per hour	\$ 250.00
Drilling Crew & Rig Standby Time (two-man crew), per hour	\$ 250.00
Extra Drilling Crew Member, per hour	\$ 50.00

#### **Soil Borings, using 3-inch thin-wall tube sampling (Shelby tube) or 2-inch split-barrel sampling (SPT), depths measured from existing ground surface:**

0 to 25 feet, per foot	\$14.00
25 to 50 feet, per foot	\$15.50
50 to 75 feet, per foot	\$17.00
75 to 100 feet, per foot	\$18.50
Wash or auger boring, per foot (no sampling)	\$12.00
Additional for Hollow-Stem Augering, per foot	\$6.00

#### **Rock Coring, using Nx core barrel sampling, depths measured from existing ground surface:**

Softer Rocks (e.g., Austin, Eagle Ford, Del Rio, Walnut, Glen Rose formations and similar):

0 to 25 feet, per foot	\$18.00
25 to 50 feet, per foot	\$20.00
50 to 75 feet, per foot	\$22.00
75 to 100 feet, per foot	\$24.00

Harder Rocks (e.g., Edwards, Buda, Georgetown, Comanche Peak formations and similar):

0 to 25 feet, per foot	\$20.00
25 to 50 feet, per foot	\$22.00
50 to 75 feet, per foot	\$24.00
75 to 100 feet, per foot	\$26.00

Additional Footage Charge if using Track or ATV-Mounted Drill Rig, per foot \$ 2.00

TxDOT Cone Penetration (TCP) tests, each \$30.00

Grouting of Borings with bentonite or sak-crete, per foot \$ 5.00

#### **Laboratory Classification Tests**

Atterberg limits, each \$ 55.00

Moisture content, each \$ 8.00

Density Determination (using Shelby tube or SPT sample), each \$ 15.00

Specific gravity, each \$ 70.00

Soil pH, each \$ 30.00

Soil Resistivity (Miller box method), each \$125.00

Chloride & Soluble Sulfate Content, TEX-620-J, each \$ 75.00

#### **Laboratory Grain Size Tests**

Sieve analysis, ASTM C 136, each \$ 75.00

Percent Passing No. 200 Sieve, ASTM C 117, each \$ 45.00

Combined ASTM C 136 and C 117, each \$ 95.00

Hydrometer analysis, ASTM D 422, each \$125.00

#### **Laboratory Strength and Volume Change Tests**

Unconfined Compression Test (soil), each \$ 30.00

Unconfined Compression Test (rock), each \$ 35.00

Triaxial Compression Tests:

Unconsolidated-Undrained (UU), per circle \$265.00

Consolidated-Undrained (CU), with pore pressure measurements \$450.00

Direct Shear Tests:

On Coarse-Grained Soils, per point \$175.00

On Fine-Grained Soils, per point \$275.00

Absorption Swell Tests:

Free Swell, each \$100.00

Single Pressure (at estimated overburden), each \$120.00

Additional Pressures, each \$ 50.00

Swell Pressure (controlled swell), each \$300.00

Consolidation Test, regular with increasing load increments (max 6 loads), each \$440.00

Additional Load Increments, each	\$ 50.00
Additional Unload-Reload Cycles, per cycle	\$125.00

**Other Laboratory Tests and Miscellaneous Items**

Flexible Wall Triaxial Permeability Test (Falling Head), each	\$350.00
Optimum Moisture/Maximum Density Relations:	
ASTM D 698, each	\$170.00
ASTM D 1557, each	\$200.00
TEX-113-E, each	\$220.00
TEX-114-E, each	\$180.00
Additional Charge for Coarse Aggregate Correction (ASTM D 4718), each	\$ 25.00
Relative Density, ASTM D 4253 & D 4254, each	\$275.00
California Bearing Ratio (CBR), each	\$315.00
Soil-Lime Relationship (Lime Series using PI and pH methods), each	\$700.00
Sample Preparation (if required), per hour	\$ 48.00

## **SURVEYING AND MAPPING, LLC (SAM)**

### **GEOSPATIAL SERVICES:**

Principal	\$225.00 per hour
Senior Project Manager	\$160.00 per hour
Project / Acquisition Manager	\$140.00 per hour
Pilot	\$130.00 per hour
Two (2) Person UAS Crew -- Unmanned Pilot & Observer	\$170.00 per hour
Three (3) Person UAS Crew -- Unmanned Pilot & 2 Observers	\$250.00 per hour
Photogrammetrist / Project Lead	\$105.00 per hour
Acquisition / Calibration / Aerial Triangulation Technician	\$98.00 per hour
LiDAR / Photogrammetry Technician	\$95.00 per hour
Calibration (including equipment)	\$2,000.00 per each
Production (including equipment)	\$3,900.00 per each
Survey (including equipment)	\$2,100.00 per each
Acquisition (including equipment)	\$8,000.00 per each

### **EQUIPMENT:**

Aerial LiDAR System (Equipment Only)	\$750.00 per hour
Mobile Mapping System, includes 360° Camera System (Equipment Only)	\$750.00 per hour
Mobile Mapping Equipment Stand-by Fee (Equipment Only)	\$200.00 per hour
HDS Laser Scanner	\$100.00 per hour
High Rail Equipped Vehicle	\$10.00 per hour
Weather Station	\$10.00 per hour
Oblique HD Camera System -- Manned Aircraft	\$30.00 per hour
Video Camera System -- Manned Aircraft	\$5.00 per hour
360° Camera System -- Terrestrial or Marine Stand Alone	\$100.00 per hour
Helicopter (Turbine Engine Powered)	\$1,450.00 per hour
Helicopter (Reciprocal Engine Powered)	\$850.00 per hour
Fixed Wing Twin Engine	\$600.00 per hour
Fixed Wing Single Engine	\$400.00 per hour
Tier 1 Unmanned Aerial System - Video / Still Photos	\$150.00 per hour
Tier 1 UAS Standby -- Video / Still Photos	\$75.00 per hour
Tier 2 Unmanned Aerial System -- IR / Corona / LiDAR	\$400.00 per hour
Tier 2 UAS Standby -- IR / Corona / LiDAR	\$200.00 per hour
GPS Receiver (Unmanned)	\$25.00 per hour
Geospatial Work Station	\$15.00 per hour

## **FUGRO USA LAND, INC (FUGRO)**

### **Geotechnical Personnel**

Senior Principal/Officer/Consultants, P.E.	\$170.00 per hour
Senior Geotechnical Engineer	\$130.00 per hour
Project Manager	\$115.00 per hour
Project Geotechnical Engineer	\$105.00 per hour



Staff Geotechnical Engineer	\$ 95.00 per hour
Draftperson	\$ 70.00 per hour
Clerical Support/Administrative Staff	\$ 48.00 per hour

#### **Field Services**

Mobilization of Truck-Mounted Drill Rig (within 50 mi radius of office)	\$ 300.00
Soil Sampling (0 to 50 feet), per foot	\$ 14.00
Rock Coring, hard formation (0 to 25 feet), per foot	\$ 20.00
Rock Coring, hard formation (25 to 50 feet), per foot	\$ 22.00
TxDOT Cone Penetration (TCP) Test, per hour	\$ 30.00
Drill Crew & Rig Standby Time (two-man crew), per foot	\$ 250.00
Grouting of Borings with Bentonite or Sak-Crete, per each	\$ 5.00
Geophysical Survey, per each	\$15,000.00

#### **Laboratory Investigation**

Moisture Content, per test	\$ 8.00
Atterberg Limits, per test	\$ 55.00
Sieve Analysis, Combined ASTM C 136 and C 137, per test	\$ 95.00
Unconfined Compression Tests (rock), per test	\$ 35.00

#### **PROTECTION ENGINEERING CONSULTANTS (PEC)**

Senior Principal	\$275.00 per hour
Senior Engineer	\$200.00 per hour
Project Engineer	\$180.00 per hour
Senior Associate Engineer	\$150.00 per hour

CPI Rate Adjustments: Rates will remain firm for the initial first year of the Contract and such rates shall be deemed the "Initial Base Rates". Engineer must request rate adjustments, in writing, at least thirty (30) days prior to each annual anniversary date of the Contract and any rate changes will take effect on the first day following the prior year. If Engineer fails to request a CPI rate adjustment, as set forth herein, the adjustment will be effective thirty (30) days after the County receives Engineer's written request. No retroactive rate adjustments will be allowed.

Price adjustments will be made in accordance with changes in the U.S. Department of Labor Consumer Price Index (CPI-U) for All Urban Consumers, All Items, South Region (Base 1982- 84 = 100).

The rate adjustment will be determined by multiplying the Initial Base Rates by a fraction, the numerator of which is the index number for most recently released index before each annual anniversary date of the Contract and the denominator of which is the index number for the first month of the Contract (the index number for the month in which the Contract was originally executed). If the products are greater than the Initial Base Rates, County will pay the greater amounts as the rates during the successive year until the next rate adjustment. Rates for each successive year will never be less than the Initial Base Rates.