

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

**WILLIAMSON COUNTY ROAD BOND PROJECT: CHANDLER ROAD  
EXTENSION (CORRIDOR B3) CORRIDOR PLANNING STUDIES ("Project")**

THIS CONTRACT AMENDMENT NO. 01 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 **Huitt-Zollars, 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 June 4, 2019 (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 \$ 700,000; 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 is hereby increased from \$700,000 to \$1,100,000.
- II. 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.



# Chandler Road Extension

## June 2023 - June 2024

### HOURLY RATE SHEET

#### Engineering

|                         |           |
|-------------------------|-----------|
| Principal               | \$ 313.01 |
| QA Manager              | \$ 246.80 |
| Sr. Project Manager     | \$ 300.98 |
| Project Manager         | \$ 240.78 |
| Sr. Civil Engineer      | \$ 246.80 |
| Sr. Structural Engineer | \$ 258.84 |
| Civil Engineer          | \$ 198.64 |
| Structural Engineer     | \$ 198.64 |
| Engineer Intern         | \$ 144.47 |
| Sr. Designer            | \$ 162.53 |
| Designer                | \$ 144.47 |
| Sr. CADD Technician     | \$ 156.51 |
| CADD Technician         | \$ 108.35 |

#### Administrative

|                     |           |
|---------------------|-----------|
| Sr. Project Support | \$ 114.37 |
| Project Support     | \$ 84.27  |

| CPI ADJUSTMENT CALCULATION |         |
|----------------------------|---------|
| BASE (1982-84) = 100       | 100     |
| June 2019 PSA SIGNED       | 246.515 |
| June 2023                  | 296.789 |
| DELTA                      | 120.39% |

Alliance Transportation Group 2019 Rates

| <b>Category</b>              | <b>Loaded</b> |
|------------------------------|---------------|
| Project Principal            | 270.00        |
| Senior Project Manager       | 260.00        |
| Project Manager              | 250.00        |
| Senior Engineer              | 200.00        |
| Project Engineer             | 172.00        |
| Traffic or Design Engineer** | 156.00        |
| EIT                          | 115.00        |
| Engineer Tech                | 104.00        |
| Jr Engineer Tech             | 67.00         |
| Sr Engineer Tech             | 157.00        |
| Transportation Planner I/II  | 95.00         |
| Transportation Planer III    | 123.00        |
| Travel Demand Modeler I      | 126.00        |
| Travel Demand Modeler II/III | 181.00        |
| Senior Planner/ Modeler      | 203.00        |
| Admin/Clerical               | 74.00         |
| Project Administration       | 101.00        |

Approved June 4, 2019

CD&P 2019 Rates

|                                |          |
|--------------------------------|----------|
| Principal                      | \$200.00 |
| Sr. Public Involvement Officer | \$160.00 |
| Public Involvement Officer     | \$120.00 |
| Designer/Developer             | \$100.00 |
| Jr. Public Involvement Officer | \$ 75.00 |
| Administrative                 | \$ 50.00 |
| Intern                         | \$ 25.00 |

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**Corsair Direct Labor Rates**

| <b>Job Classification</b> | <b>Yrs Exp</b> | <b>Loaded Rate</b> |
|---------------------------|----------------|--------------------|
| Project Manager           | 10 to 20       | \$ 223.90          |
| Senior Engineer           | 15+            | \$ 189.45          |
| Project Engineer          | 10 to 15       | \$ 152.66          |
| Design Engineer           | 5 to 10        | \$ 129.99          |
| Engineer-In-Training      | 1 to 5         | \$ 104.12          |
| Senior Engineer Tech      | 15+            | \$ 109.60          |
| Engineer Tech             | 5 to 15        | \$ 93.94           |
| Junior Engineer Tech      | 1 to 5         | \$ 72.02           |
| Admin/Clerical            |                | \$ 67.73           |
| Field Engineer            | 5 to 10        | \$ 140.92          |

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| Corsair Unit Costs  |            |           | Negotiated Rates |
|---|------------|-----------|------------------|
| Services To Be Provided   | Test Code  | Unit      |                  |
| Calcium Carbonate Content of Soils  | ASTM D4373 | each      | \$ 55.00         |
| California Bearing Ratio (Single Sample without MD Curve)   | ASTM D1883 | each      | \$ 320.00        |
| Casagrande Type Piezometers   |            | each      | \$ 50.00         |
| Casagrande Type Piezometers Installation  |            | each      | \$ 360.00        |
| Concrete/AC Patch   |            | per patch | \$ 20.00         |
| Core Drill Asphalt  |            | each      | \$ 60.00         |
| Core Drill Concrete   |            | each      | \$ 120.00        |
| Core Repair/Patch Asphalt Cold Mix  |            | each      | \$ 30.00         |
| Core Repair/Patch Concrete-Utilibond  |            | each      | \$ 50.00         |
| Core/drill operator/technician and coring equipment used to drill flexible and rigid pavement (2-man crew)  |            | trip      | \$ 320.00        |
| Core/drill operator/technician and coring equipment used to drill flexible and rigid pavement (2-man crew) 4-in. diameter cores   |            | Inch      | \$ -             |
| Core/drill operator/technician and coring equipment used to drill flexible and rigid pavement (2-man crew) 6-in. diameter cores   |            | Inch      | \$ -             |
| Core/drill operator/technician and coring equipment used to drill flexible and rigid pavement (2-man crew): (a) 4-in. diameter cores  |            | inch      | \$ 24.00         |
| Core/drill operator/technician and coring equipment used to drill flexible and rigid pavement (2-man crew): (a) Hot Mix Asphalt (min. of 3)                                     |            | each      | \$ -             |
| Core/drill operator/technician and coring equipment used to drill flexible and rigid pavement (2-man crew): (b) 6-in. diameter cores  |            | inch      | \$ 180.00        |
| Core/drill operator/technician and coring equipment used to drill flexible and rigid pavement (2-man crew): (b) Concrete (min. of 3) (up to 15 inches)(up to 4-inches diameter) |            | each      | \$ -             |
| Core/drill operator/technician and coring equipment used to drill flexible and rigid pavement (2-man crew): (c) Concrete (more than 15 inches)                                  |            | inch      | \$ -             |
| Direct Shear Test of Soils Under Consolidated Drained Conditions  | ASTM D3080 | set of 3  | \$ 546.00        |
| Drilling & Sampling - Hard Rock-Diamond Bit   |            | LF        | \$ 35.00         |
| Drilling & Sampling - Rock  |            | LF        | \$ 25.00         |
| Drilling & Sampling - Soft Rock-Carbide Bit   |            | LF        | \$ 30.00         |
| Drilling & Sampling - Soils   |            | LF        | \$ 21.00         |
| Electronic Water Level Device   |            | day       | \$ 22.00         |
| Falling Weight Deflectometer Testing  |            | day       | \$ 2,525.00      |
| Modified Proctor Test   | ASTM D1557 | each      | \$ 240.00        |
| One Dimensional Consolidation Properties of Soil  | ASTM D2435 | each      | \$ 425.00        |
| One Dimensional Swell, Method C   | ASTM D4546 | each      | \$ 190.00        |
| One Dimensional Swell, Methods A & B  | ASTM D4546 | each      | \$ 110.00        |
| Permeability of Silt and Clays  | ASTM D5084 | each      | \$ 375.00        |
| Piezometer - 2"   |            | foot      | \$ 30.00         |
| Piezometer Abandonment  |            | each      | \$ 150.00        |
| Piezometer Completion / Abandonment (Including grouting)  |            | each      | \$ 300.00        |
| Piezometer Completion   |            | each      | \$ 250.00        |
| Piezometer Finish: (a) Flush Mount w/ 2' x 2' pad   |            | each      | \$ 250.00        |
| Piezometer Finish: (b) Stick-up w/ 4 Bollards on a 4' x 4' pad  |            | each      | \$ 500.00        |
| Piezometer-2" (including well completion and installation)  |            | LF        | \$ 35.00         |
| Manhole Cover for Piezometer  |            | each      | \$ 43.00         |
| Soil Boring/Rock Coring without TCP ( > 60 ft.)   |            | LF        | \$ 25.00         |
| Soil Boring with SPT  | ASTM D1586 | LF        | \$ 21.00         |
| Soil Boring without TCP ( < 60 ft.):  |            | LF        | \$ 28.00         |
| Soil Boring without TCP ( < 60 ft.): (a) Utilizing Continuous Sampler   | ASTM D1587 | LF        | \$ 32.00         |
| Soil Boring without TCP ( < 60 ft.): (b) Shelby Push Tubes Extruded in Field  | ASTM D1587 | LF        | \$ 20.00         |
| Soil Boring without TCP ( < 60 ft.): (c) Auguring   |            | LF        | \$ 25.00         |
| Soil Boring without TCP ( > 60 ft.):  |            | LF        | \$ -             |
| Soil Boring without TCP ( > 60 ft.): (a) Utilizing Continuous Sampler   | ASTM D1587 | LF        | \$ 26.00         |
| Soil Boring without TCP ( > 60 ft.): (b) Shelby Push Tubes Extruded in Field  | ASTM D1587 | LF        | \$ 38.00         |
| Soil Boring/Rock Coring without TCP ( < 60 ft.)   |            | LF        | \$ 38.00         |

|   |            |            |             |
|---|------------|------------|-------------|
| Soil Boring/Rock Coring with TCP (< 60 ft.)   | Tex-132-E  | LF         | \$ 38.00    |
| Soil Boring/Rock Coring with TCP (> 60 ft.)   | Tex-132-E  | LF         | \$ 40.00    |
| Splitting Tensile of Intact Rock Core   | ASTM D3967 | each       | \$ 95.00    |
| Stand By of Crew  |            | hour       | \$ 180.00   |
| Standard Guide for Comparison of Field Methods for Determining Hydraulic Conductivity in Vadose Zone                          | ASTM D5126 | each       | \$ 300.00   |
| Standard Penetration Test (SPT)   | ASTM D1586 | each       | \$ 30.00    |
| Standard Proctor Test   | ASTM D698  | each       | \$ 230.00   |
| Standard Test Method for Dispersive Characteristics of Clay Soil by Double Hydrometer   | ASTM D4221 | each       | \$ 140.00   |
| Standard Test Method for Hydraulic Conductivity of Essentially Saturated Peat   | ASTM D4511 | each       | \$ 250.00   |
| Standard Test Method for Permeability of Granular Soils (Constant Head)   | ASTM D2434 | each       | \$ 325.00   |
| Standard Test Methods for Determining Dispersive Characteristics of Clayey Soils by the Crumb Test                            | ASTM D6572 | each       | \$ 34.00    |
| Standard Test Methods for Identification and Classification of Dispersive Clay Soils by the Pinhole Test                      | ASTM D4647 | each       | \$ 175.00   |
| Suction Test (Filter Method)  | ASTM D5298 | each       | \$ 75.00    |
| Unconfined Compressive Strength (Rock)  | ASTM D2938 | each       | \$ 70.00    |
| Unconfined Compressive Strength (Soil)  | ASTM D2166 | each       | \$ 55.00    |
| Vertical Inclinator   |            | each       | \$ 310.00   |
| Vertical Inclinator Installation  |            | each       | \$ 750.00   |
| Vibrating Wire Piezometer   |            | each       | \$ 750.00   |
| Vibrating Wire Piezometer Installation  |            | each       | \$ 800.00   |
| Volumetric Shrinkage  | ASTM D427  | each       | \$ 90.00    |
| Water Stand Pipes   | ASTM D4043 | LF         | \$ 32.00    |
| Determining Moisture Content in Soil Materials  | Tex-103-E  | each       | \$ 12.00    |
| Determining Liquid Limits of Soils  | Tex-104-E  | each       | \$ 35.00    |
| Determining Plastic Limit of Soils  | Tex-105-E  | each       | \$ 35.00    |
| Calculating the Plasticity Index of Soils   | Tex-106-E  | each       | \$ 25.00    |
| Particle Size Analysis of Soils   | Tex-110-E  | each       | \$ 85.00    |
| Determining the Amount of Material in Soils Finer than the 75 micrometer (No. 200) Sieve                                      | Tex-111-E  | each       | \$ 45.00    |
| Laboratory Compaction Characteristics and Moisture-Density Relationship of Base Materials                                     | Tex-113-E  | each       | \$ 270.00   |
| Laboratory Compaction Characteristics and Moisture-Density Relationship of Subgrade, Embankment Soils, and Backfill Materials | Tex-114-E  | each       | \$ 270.00   |
| Triaxial Compression Test for Disturbed Soils and Base Materials  | Tex-117-E  | each       | \$ 1,300.00 |
| Triaxial Compression Test for Undisturbed Soils   | Tex-118-E  | each       | \$ 1,300.00 |
| Determining Potential Vertical Rise   | Tex-124-E  | each       | \$ 45.00    |
| Measuring Thickness of Pavement Layer   | Tex-140-E  | each       | \$ 15.00    |
| Manual Procedure for Description and Identification of Soils  | Tex-141-E  | each       | \$ 15.00    |
| Laboratory Classification of Soils for Engineering Purposes   | Tex-142-E  | each       | \$ 49.00    |
| Bentonite Grouting of Boreholes - Bentonite Chips   |            | LF         | \$ 9.00     |
| Backfill Borings  |            | LF         | \$ 5.00     |
| ATV-Mounted Drilling Rig Surcharge  |            | each       | \$ 550.00   |
| Organic Content   | ASTM D2974 | each       | \$ 65.00    |
| Dynamic Cone Penetrometer   | ASTM D6951 | each       | \$ 100.00   |
| Admixing Lime to Reduce Plasticity Index of Soils   | TEX-112-E  | each       | \$ 100.00   |
| Soil-Cement Compressive Strength, (Part II)   | Tex-120-E  | each       | \$ 240.00   |
| Soil-Lime Testing (Part 1) (Includes TEX-113-E)   | Tex-121-E  | Per Series | \$ 1,350.00 |
| Soil-Lime Compressive Strength, (Part II)   | Tex-121-E  | each       | \$ 1,350.00 |
| Soil-Lime Testing - Part 3  | Tex-121-E  | each       | \$ 42.00    |
| Determining Soil pH   | Tex-128-E  | each       | \$ 40.00    |
| CU Triaxial Compression for Undisturbed Soils - Single Stage  | Tex-131-E  | set of 3   | \$ 500.00   |
| CU Triaxial Compression for Undisturbed Soils - Multiple Stage  | Tex-131-E  | set of 3   | \$ 1,350.00 |
| Texas Cone Penetration  | Tex-132-E  | each       | \$ 28.00    |
| Determining Sulfate Content in Soils - Colorimetric Method  | Tex-145-E  | each       | \$ 45.00    |
| Conductivity Test for Field Detection of Sulfates in Soil   | Tex-146-E  | each       | \$ 45.00    |
| Ground Penetrating Radar (GPR) - Data Collection  | ASTM D4748 | hour       | \$ 325.00   |
| Ground Penetrating Radar (GPR) - Processing   | ASTM D4748 | hour       | \$ 160.00   |
| Inclinometer Casing Installation  |            | LF         | \$ 30.00    |
| Inclinometer Casing Installation  |            | LF         | \$ 30.00    |



|   |           |           |             |
|---|-----------|-----------|-------------|
| Drilling Crew Daily Travel to Jobsite                                       |           | Day       | \$ 250.00   |
| 3 Man Clearing Crew with Chainsaws, Chipper                                 |           | Day       | \$ 2,900.00 |
| Determine Chloride and Sulfate and Sulfate Content in Soils                 | TEX 620-J | each      | \$ 58.00    |
| Night Drilling Surcharge  |           | each      | \$ 500.00   |
| Ground Penetrating Radar Testing (stand-alone)                              |           | day       | \$ 2,600.00 |
| Ground Penetrating Radar Testing (attached to FWD)                          |           | day       | \$ 550.00   |
| Light Tower (for night drilling)  |           | per night | \$ 190.00   |
| Mobilization of Traffic Control (Trips over 100 miles from office to site)  |           | mile      | \$ 5.00     |
| Mobilization of Drilling Rig (Trip Less than 100 miles from office to site) |           | each      | \$ 450.00   |
| Mobilization of Drilling Rig (Trip over 100 miles from office to site)      |           | mile      | \$ 6.00     |
| Linear Bar Shrinkage of Soils   | Tex-107-E | each      | \$ 41.00    |
| Mobilizing and Demobilizing (Rig and Crew)                                  |           | mile      | \$ 5.50     |
| Mobilizing and Demobilizing (FWD Equipment)                                 |           | mile      | \$ 5.50     |
| Weekend commuting (per crew)  |           | mile      | \$ 4.50     |
| Daily drilling rate   |           | daily     | \$ 2,500.00 |
| Hourly drilling rate BARGE DRILLING   |           | hour      | \$ 600.00   |
| Minnimum drilling rate  |           | daily     | \$ 1,500.00 |

Approved June 4, 2019



SAM, LLC RATE SCHEDULE FOR YEAR 2019

**SURVEYING SERVICES:**

|                                   |                   |
|-----------------------------------|-------------------|
| Principal                         | \$215.00 per hour |
| RPLS Project Manager              | \$175.00 per hour |
| RPLS Task Leader                  | \$158.00 per hour |
| Senior Survey Technician          | \$98.00 per hour  |
| Survey Technician                 | \$89.00 per hour  |
| 2-Person Survey Crew              | \$140.00 per hour |
| 3-Person Survey Crew              | \$165.00 per hour |
| Administration / Clerical Support | \$68.00 per hour  |

**SURVEY EQUIPMENT:**

|                        |                  |
|------------------------|------------------|
| GPS Receiver           | \$25.00 per hour |
| ATV or Utility Vehicle | \$75.00 per day  |

**GEOSPATIAL SERVICES:**

|   |                   |
|---|-------------------|
| Principal   | \$215.00 per hour |
| Senior Project Manager                                      | \$205.00 per hour |
| Project / Acquisition Manager                               | \$165.00 per hour |
| Pilot   | \$130.00 per hour |
| Two (2) Person UAS Crew – Unmanned Pilot & Observer         | \$195.00 per hour |
| Three (3) Person UAS Crew – Unmanned Pilot & 2 Observers    | \$325.00 per hour |
| Photogrammetrist / Project Lead                             | \$115.00 per hour |
| Acquisition / Calibration / Aerial Triangulation Technician | \$98.00 per hour  |
| LiDAR / Photogrammetry Technician                           | \$95.00 per hour  |

**GEOSPATIAL EQUIPMENT:**

|  |                    |
|--|--------------------|
| Aerial LiDAR System 1560I (Equipment Only)             | \$1300.00 per hour |
| Aerial LiDAR System HARRIER 68I (Equipment Only)       | \$700.00 per hour  |
| Mobile Mapping System                                  | \$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 per hour   |
| Helicopter (Reciprocal Engine Powered)                 | \$850.00 per hour  |
| Fixed Wing Twin Engine                                 | \$960.00 per hour  |
| Fixed Wing Single Engine                               | \$600.00 per hour  |
| M600 Unmanned Aerial System– Video / Still Photos      | \$150.00 per hour  |
| M600 UAS Standby – Video / Still Photos                | \$75.00 per hour   |
| VAPOR Unmanned Aerial System – IR / Corona / LiDAR     | \$500.00 per hour  |
| VAPOR UAS Standby – IR / Corona / LiDAR                | 200.00 per hour    |
| GPS Receiver (Equipment Only)                          | \$25.00 per hour   |
| Geospatial Work Station                                | \$15.00 per hour   |

Approved June 4, 2019

## 2019 LABOR CATEGORIES AND BILLING RATES

### Principals & Project Management Staff

|                           |          |                          |          |
|---------------------------|----------|--------------------------|----------|
| Project Manager III.....  | \$89.00  | Project Manager IX.....  | \$153.00 |
| Project Manager IV.....   | \$99.00  | Project Manager X.....   | \$171.00 |
| Project Manager V.....    | \$109.00 | Project Manager XI.....  | \$187.00 |
| Project Manager VI.....   | \$119.00 | Project Manager XII..... | \$205.00 |
| Project Manager VII.....  | \$131.00 | Principal-in-Charge..... | \$285.00 |
| Project Manager VIII..... | \$142.00 |                          |          |

### Consulting Services

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

|                      |          |                            |          |
|----------------------|----------|----------------------------|----------|
| Specialist I.....    | \$67.00  | Specialist IX.....         | \$153.00 |
| Specialist II.....   | \$79.00  | Specialist X.....          | \$171.00 |
| Specialist III.....  | \$89.00  | Specialist XI.....         | \$187.00 |
| Specialist IV.....   | \$99.00  | Specialist XII.....        | \$205.00 |
| Specialist V.....    | \$109.00 | Subject Matter Expert..... | \$210.00 |
| Specialist VI.....   | \$119.00 |                            |          |
| Specialist VII.....  | \$131.00 | Technician I.....          | \$47.00  |
| Specialist VIII..... | \$142.00 | Technician II.....         | \$55.00  |

### Administrative

|                         |         |                          |          |
|-------------------------|---------|--------------------------|----------|
| Administrative I.....   | \$42.00 | Administrative V.....    | \$89.00  |
| Administrative II.....  | \$53.00 | Administrative VI.....   | \$101.00 |
| Administrative III..... | \$66.00 | Administrative VII.....  | \$113.00 |
| Administrative IV.....  | \$77.00 | Administrative VIII..... | \$125.00 |