### CONTRACT AMENDMENT NO. \_1 <u>TO</u> WILLIAMSON COUNTY CONTRACT FOR <u>ENGINEERING SERVICES</u>

## WILLIAMSON COUNTY ROAD BOND PROJECT: Parmer at SH45 ("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 Alfred Benesch & Company (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 September 12, 2023 (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 \$500,000; 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 is hereby increased from \$500,000 to \$640,000, reflecting a total increase of \$140,000.
- II. The hourly Rates in the original Exhibit D of the Contract are hereby amended as shown in the attached revised Exhibit D-1.

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, to be effective as of the date of the last party's execution below.

| ENGINEER:  | COUNTY:      |
|--|--------------|
| By: William H Epp  ON: GaUS, E-wepp@benesch.com, ON-William H Epp  ON: GaUS, E-wepp@benesch.com, ON-William H Epp  Date 2025.08.08 09 46:35:06'00' | By:Signature |
| William Epp Printed Name   | Printed Name |
| Executive Vice President Title   | Title        |
| August 8, 2025   |              |
| Date   | Date         |

## **APPROVED**

By Christen Eschberger at 2:27 pm, Aug 19, 2025

#### New Rates -CPI Adjustment

#### EXHIBIT D-1 Rate Schedule Engineering Services 23RFSQ15 Parmer Lane

#### **CPI ADJUSTMENT CALCULATION**

BASE (1982-84) = 100 100

Master Contract (PSA) September 2023 299.657

JUNE 2025 (LATEST DATA) 312.330

DELTA 4.23%

## Alfred Benesch & Company (PRIME) DESIGN

| DESIGN   |                     |               |  |
|--|---------------------|---------------|--|
| CLASSIFICATIONS                                  | APPROVED RATE       | PROPOSED RATE |  |
| 02/03/10/110/10                                  | (per hour)          | (per hour)    |  |
|  |                     |               |  |
| Principal  | \$300.00            | \$ 313.00     |  |
| QA/QC Engineer                                   | \$290.00            | \$ 302.00     |  |
| Senior Project Manager                           | \$290.00            | \$ 302.00     |  |
| Project Manager                                  | \$260.00            | \$ 271.00     |  |
| Sr. Traffic Engineer                             | \$240.00            | \$ 250.00     |  |
| Sr. Project Engineer                             | \$220.00            | \$ 229.00     |  |
| Sr. Manager of Special Projetcs (RR Coordination | \$200.00            | \$ 208.00     |  |
| Project Engineer                                 | \$190.00            | \$ 198.00     |  |
| Railroad Signal Engineer                         | \$170.00            | \$ 177.00     |  |
| Design Engineer                                  | \$150.00            | \$ 156.00     |  |
| EIT  | \$135.00            | \$ 141.00     |  |
| Sr. Technician                                   | \$140.00            | \$ 146.00     |  |
| Technician                                       | \$120.00            | \$ 125.00     |  |
| Sr. CADD   | \$130.00            | \$ 135.00     |  |
| CADD Operator                                    | \$80.00             | \$ 83.00      |  |
| Admin/Clerical                                   | \$80.00             | \$ 83.00      |  |
| DIRECT EXPENSES                                  |                     |               |  |
| Outsourced Printing                              | Cost                |               |  |
| Mileage (per mile)                               | Current IRS Rate    |               |  |
| Rental Car                                       | Actual Cost         |               |  |
| Rental Car Fuel                                  | Actual Cost         |               |  |
| Parking Fees                                     | Actual Cost         |               |  |
| Highway Toll Charges                             | Actual Cost         |               |  |
| Postage  | Current Postal Rate |               |  |
| Overnight Mail- letter size                      | Current Postal Rate |               |  |
| Overnight Mail – oversized box                   | Current Postal Rate |               |  |
| Courrier Services                                | Actual Cost         |               |  |

New Rates -CPI Adjustment

#### **CPI ADJUSTMENT CALCULATION**

BASE (1982-84) = 100 100

Master Contract (PSA) September 2023 299.657

JUNE 2025 (LATEST DATA) 312.330

DELTA 4.23%

## Hardesty & Hanover, LLC STRUCTURAL ENGINEER

| STRUCTURAL ENGINEER                         |                     |               |
|---|---------------------|---------------|
| CLASSIFICATIONS                             | APPROVED RATE       | PROPOSED RATE |
| CLASSIFICATIONS                             | (per hour)          | (per hour)    |
|   |                     |               |
| Project Principal                           | \$330.00            | \$ 344.00     |
| Senior Technical Advisor                    | \$295.00            | \$ 307.00     |
| Senior Project Manager                      | \$240.00            | \$ 250.00     |
| Senior Structural QA/QC Manager             | \$240.00            | \$ 250.00     |
| Senior Structural Engineer                  | \$215.00            | \$ 224.00     |
| Project Manager                             | \$195.00            | \$ 203.00     |
| Structural Engineer                         | \$160.00            | \$ 167.00     |
| Project Engineer                            | \$135.00            | \$ 141.00     |
| Structural Designer (EIT)                   | \$120.00            | \$ 125.00     |
| EIT   | \$105.00            | \$ 109.00     |
| CADD/Production Manager                     | \$145.00            | \$ 151.00     |
| Senior CADD Technician                      | \$100.00            | \$ 104.00     |
| CADD Technician                             | \$90.00             | \$ 94.00      |
| Admin/Clerical                              | \$90.00             | \$ 94.00      |
| DIRECT EXPENSES                             |                     |               |
| Mileage (per mile)                          | Current IRS Rate    |               |
| Highway Toll Charges                        | Actual Cost         |               |
| Parking Fees                                | Actual Cost         |               |
| Postage                                     | Current Postal Rate |               |
| Photocopies B/W (8 1/2" X 11") (per page)   | \$0.15              |               |
| Photocopies Color (8 1/2" X 11") (per page) | \$1.00              |               |
| Photocopies B/W (11" X 17") (per page)      | \$0.25              |               |
| Photocopies Color (11" X 17") (per page)    | \$2.00              |               |
|   |                     |               |

New Rates -CPI Adjustment

### **CPI ADJUSTMENT CALCULATION**

BASE (1982-84) = 100

100

Master Contract (PSA) September 2023

299.657 312.330

JUNE 2025 (LATEST DATA)

4.23%

DELTA

## EDGE Engineering, PLLC

| DRAINAGE ENGINEER                        |               |               |
|--|---------------|---------------|
| CLASSIFICATIONS                          | APPROVED RATE | PROPOSED RATE |
| CLASSIFICATIONS                          | (per hour)    | (per hour)    |
|  |               |               |
| Project Manager                          | \$250         | \$ 261.00     |
| Quality Manager                          | \$225         | \$ 235.00     |
| Senior Engineer                          | \$215         | \$ 224.00     |
| Project Engineer                         | \$185         | \$ 193.00     |
| Design Engineer                          | \$150         | \$ 156.00     |
| Engineer-In-Training                     | \$115         | \$ 120.00     |
| Engineering Technician                   | \$130         | \$ 135.00     |
| Senior CADD Operator                     | \$125         | \$ 130.00     |
| CADD Operator                            | \$90          | \$ 94.00      |
| Senior GIS Operator                      | \$150         | \$ 156.00     |
| GIS Operator                             | \$100         | \$ 104.00     |
| GIS Technician                           | \$85          | \$ 89.00      |
| Admin/Clerical                           | \$75          | \$ 78.00      |
| DIRECT EXPENSES                          | RATE          |               |
| Photocopies B/W (8 1/2" X 11") / each    | \$0.10        |               |
| Photocopies B/W (11" X 17") / each       | \$0.20        |               |
| Photocopies Color (8 1/2" X 11") / each  | \$0.75        |               |
| Photocopies Color (11" X 17") / each     | \$1.25        |               |
| Digital Ortho Plotting / sheet           | \$1.75        |               |
| Plots (B/W on Bond) / square foot        | \$0.60        |               |
| Plots (Color on Bond) / square foot      | \$1.60        |               |
| Plots (Color on Photographic Paper) / sf | \$4.00        |               |
| Color Graphics on Foam Board / sf        | \$18.00       |               |

New Rates -CPI Adjustment

### **CPI ADJUSTMENT CALCULATION**

BASE (1982-84) = 100 100

Master Contract (PSA) September 2023 299.657

JUNE 2025 (LATEST DATA) 312.330

DELTA 4.23%

## SWCA ENVIRONMENTAL CONSULTANTS ENVIRONMENTAL

| CLASSIFICATIONS                     | APPROVED RATE | PROPOSED RATE    |  |
|-------------------------------------|---------------|------------------|--|
|                                     | (per hour)    | (per hour)       |  |
|                                     |               |                  |  |
| Subject Matter Expert IV            | \$279.00      | \$ 291.00        |  |
| Subject Matter Expert III           | \$255.00      | \$ 266.00        |  |
| Subject Matter Expert II            | \$230.00      | \$ 240.00        |  |
| Subject Matter Expert I             | \$219.00      | \$ 228.00        |  |
| Specialist XII                      | \$215.00      | \$ 224.00        |  |
| Specialist XI                       | \$197.00      | \$ 205.00        |  |
| Specialist X                        | \$180.00      | \$ 188.00        |  |
| Specialist IX                       | \$161.00      | \$ 168.00        |  |
| Specialist VIII                     | \$150.00      | \$ 156.00        |  |
| Specialist VII                      | \$140.00      | \$ 146.00        |  |
| Specialist VI                       | \$130.00      | \$ 135.00        |  |
| Specialist V                        | \$117.00      | \$ 122.00        |  |
| Specialist IV                       | \$107.00      | \$ 112.00        |  |
| Specialist III                      | \$97.00       | \$ 101.00        |  |
| Specialist II                       | \$85.00       | \$ 89.00         |  |
| Specialist I                        | \$72.00       | \$ 75.00         |  |
| Technician II                       | \$60.00       | \$ 63.00         |  |
| DIRECT                              | EXPENSES      |                  |  |
| Description                         | Unit          | Rate             |  |
| Mileage                             | Mile          | Current IRS Rate |  |
| Car/Truck Rental                    | Day           | Actual Cost      |  |
| Car/Truck Rental                    | Week          | Actual Cost      |  |
| Car/Truck Rental                    | Month         | Actual Cost      |  |
| GPS - GIS Grade                     | Day           | \$ 70.00         |  |
| Copies - B&W                        | Per Copy      | \$ 0.10          |  |
| Copies - Color                      | Per Copy      | \$ 1.00          |  |
| Digital Camera                      | Day           | \$ 45.00         |  |
| Curation                            | Each \$       |                  |  |
| Field Supplies                      | Day           | \$ 5.00          |  |
| Hazardous Materials Database Search | Each          | \$ 500.00        |  |

New Expenses - Car/Truck Rental and Digital Camera

New Rates - CPI Adjustment

#### **CPI ADJUSTMENT CALCULATION**

BASE (1982-84) = 100 100

Master Contract (PSA) September 2023 299.657

JUNE 2025 (LATEST DATA) 312.330

DELTA 4.23%

#### SURVWEST, LLC SURVEY

| APPROVED RATE PROPOSED RATE                      |                     |            |  |  |
|--|---------------------|------------|--|--|
| CLASSIFICATIONS                                  | APPROVED RATE       |            |  |  |
|  | (per hour)          | (per hour) |  |  |
|  |                     |            |  |  |
| Survey Division Manager                          | \$ 260.00           | \$ 271.00  |  |  |
| Survey Director                                  | \$ 229.00           | \$ 239.00  |  |  |
| Survey Project Manager IV                        | \$ 215.00           | \$ 224.00  |  |  |
| Survey Project Manager III                       | \$ 205.00           | \$ 214.00  |  |  |
| Survey Project Manager II                        | \$ 190.00           | \$ 198.00  |  |  |
| Survey Project Manager I                         | \$ 177.00           | \$ 184.00  |  |  |
| Surveyor II                                      | \$ 162.00           | \$ 169.00  |  |  |
| Surveyor I                                       | \$ 152.00           | \$ 158.00  |  |  |
| CADD Manager                                     | \$ 165.00           | \$ 172.00  |  |  |
| Senior CAD Technician                            | \$ 149.00           | \$ 155.00  |  |  |
| CAD Technician IV                                | \$ 129.00           | \$ 134.00  |  |  |
| CAD Technician III                               | \$ 117.00           | \$ 122.00  |  |  |
| CAD Technician II                                | \$ 112.00           | \$ 117.00  |  |  |
| CAD Technician I                                 | \$ 104.00           | \$ 108.00  |  |  |
| Survey Field Technician                          | \$ 90.00            | \$ 94.00   |  |  |
| 2-Person Survey Crew                             | \$ 215.00           | \$ 224.00  |  |  |
| 1-Person Survey Crew                             | \$ 130.00           | \$ 135.00  |  |  |
| 2-Person Survey Crew Travel Rate (Transit Time)  | \$ 95.00            | \$ 99.00   |  |  |
| 2-Person Survey Crew Travel Rate (Transit Time)  | \$ 160.00           | \$ 167.00  |  |  |
| Abstactor  | \$ 116.00           | \$ 121.00  |  |  |
| Administrative Assistant                         | \$ 93.00            | \$ 97.00   |  |  |
| Materials and Equipment Reimbursable Exp         | enses               |            |  |  |
| Mileage Survey Vehicle (4x4 Truck)               | Current IRS Rate    | MI         |  |  |
| LiDAR Equipment (UAS, Drone, etc)                | \$ 155.00           | DAY        |  |  |
| Mobile/Terrestial Laser Scanner (Ground or       | \$ 105.00           | DAY        |  |  |
| Vehicle Mounted)                                 | \$ 103.00           | DAI        |  |  |
| Lodging and Per Diem (at GSA rates at time of    | GSA Rates           | DAY        |  |  |
| occurance)                                       | USA Rates           | DAI        |  |  |
| Survey Materials & Supplies                      | At-Cost (no markup) |            |  |  |
| Plotting, Printing, Binding Materials            | At-Cost (no markup) |            |  |  |
| Overnight and Courier Fees - Invoice Actual Cost | At-Cost (no markup) |            |  |  |

New Expenses - mileage

### CPI ADJUSTMENT CALCULATION

BASE (1982-84) = 100 100

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 JUNE 2025 (LATEST DATA)
 312.330

 DELTA
 4.23%

## Pape-Dawson Consulting Engineers, LLC TRAFFIC ENGINEER

| TRAFFIC ENGINEER                 |      |           |     |            |
|----------------------------------|------|-----------|-----|------------|
| CLASSIFICATIONS                  | APPR | OVED RATE | PRO | POSED RATE |
| CLASSIFICATIONS                  | (p   | er hour)  | (   | per hour)  |
|                                  |      |           |     |            |
| Principal/Partner                | \$   | 360.00    | \$  | 375.00     |
| Project Manager                  | \$   | 280.00    | \$  | 292.00     |
| Senior Project Engineer          | \$   | 245.00    | \$  | 255.00     |
| Project Engineer                 | \$   | 200.00    | \$  | 208.00     |
| EIT III/IV                       | \$   | 180.00    | \$  | 188.00     |
| EIT I/II                         | \$   | 145.00    | \$  | 151.00     |
| Designer                         | \$   | 220.00    | \$  | 229.00     |
| Engineering Tech I               | \$   | 120.00    | \$  | 125.00     |
| Engineering Tech II              | \$   | 160.00    | \$  | 167.00     |
| GIS Manager                      | \$   | 200.00    | \$  | 208.00     |
| GIS Analyst                      | \$   | 140.00    | \$  | 146.00     |
| Senior Environmental Scientist   | \$   | 260.00    | \$  | 271.00     |
| Project Environmental Scientist  | \$   | 170.00    | \$  | 177.00     |
| Staff Environmental Scientist    | \$   | 125.00    | \$  | 130.00     |
| Survey Manager (RPLS)            | \$   | 265.00    | \$  | 276.00     |
| Survey Crew (4 man w/ equipment) | \$   | 315.00    | \$  | 328.00     |
| Survey Crew (3 man w/ equipment) | \$   | 260.00    | \$  | 271.00     |
| Survey Crew (2 man w/ equipment) | \$   | 195.00    | \$  | 203.00     |
| LiDAR Mapping (per hour)         | \$   | 600.00    | \$  | 625.00     |
| Billing Coordinator              | \$   | 120.00    | \$  | 125.00     |
| Admin/Clerical                   | \$   | 125.00    | \$  | 130.00     |
|                                  |      |           |     |            |
|                                  |      |           |     |            |
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| Pape-Dawson Consulting Engineers, LLC   |                |                        |
|---|----------------|------------------------|
| OTHER DIRECT EXPENSES   |                |                        |
| SERVICES TO BE PROVIDED   | UNIT           | COST/UNIT              |
| Travel  | ONIT           | CO31701411             |
| Mileage   | mile           | Current IRS<br>Rate    |
| Lodging/Hotel   | day/person     | Actual Cost            |
| Meals (Excluding alcohol & tips) (Overnight stay required)                          | day/person     | Current County<br>Rate |
| Oversize, special handling or extra baggage airline fees                            | each           | Actual Cost            |
| Parking   | day            | Actual Cost            |
| Rental Car (Includes taxes and fees; Insurance costs will not be reimbursed)        | day            | Actual Cost            |
| Rental Car Fuel   | gallon         | Actual Cost            |
| Taxi/Cab fare (Includes Rideshare)  | each/person    | Actual Cost            |
| Bus Travel over 100 miles   | Rd Trip/person | Actual Cost            |
| Toll Charges  | day            | Actual Cost            |
| SUV or ATV Rental (Includes taxes and fees; Insurance costs will not be reimbursed) | day            | Actual Cost            |
| Administrative  |                |                        |
| CDs   | each           | \$2.00                 |
| USB Flashdrive (up to 32 GB)  | each           | \$10.00                |
| External Hard Drive   | each           | \$150.00               |
| Standard Postage  | letter         | Current Postal<br>Rate |
| Cardstock Color (8 1/2" x 11")  | each           | \$1.00                 |
| Photocopies B/W (11" X 17")   | each           | \$0.25                 |
| Photocopies B/W (8 1/2" X 11")  | each           | \$0.15                 |
| Photocopies Color (11" X 17")   | each           | \$1.25                 |
| Photocopies Color (8 1/2" X 11")  | each           | \$1.00                 |
| Plots (B/W on Bond)   | per sq. ft.    | \$1.00                 |
| Plots (Color on Bond)   | per sq. ft.    | \$1.75                 |
| Plots (Color on Photographic Paper)   | per sq. ft.    | \$5.00                 |
| Report Binding and tabbing  | each           | \$10.00                |
| Certified Letter Return Receipt   | each           | Current Postal<br>Rate |
| Overnight Mail - letter size  | each           | Current Postal<br>Rate |
| Overnight Mail - oversized box  | each           | \$100.00               |
| Materials and Shipping  | per package    | \$100.00               |
| Courier Services  | each           | \$45.00                |
| 4" X 6" Digital Color Print   | picture        | \$0.50                 |
| Brochure Printing   | each           | \$3.00                 |
| Report Printing   | each           | \$80.00                |
| Flyer Printing (various sizes BW or color)  | each           | \$1.00                 |
| Postcard Printing   | each           | \$0.75                 |
| Digital Ortho Plotting  | sheet          | \$3.00                 |
| Notebooks   | each           | \$10.00                |
| Color Graphics on Foam Board  | square foot    | \$20.00                |
| Presentation Boards 30" X 40" Color Mounted   | each           | \$100.00               |
| Presentation Boards 48" X 60" Color Mounted   | each           | \$175.00               |
| Title Report  | each           | \$800.00               |

New expense - entire travel section

| Pape-Dawson Consulting Engineers, LLC       |      |            |
|---|------|------------|
| Traffic Counts                              |      |            |
| 4-Hour Intersection Turning Movement Count  | each | \$375.00   |
| 12-Hour Intersection Turning Movement Count | each | \$1,260.00 |
| 24-Hour Bi-directional ADT Count            | each | \$300.00   |
|   |      |            |

New Rates -CPI Adjustment

### CPI ADJUSTMENT CALCULATION

BASE (1982-84) = 100 100

Master Contract (PSA) September 2023 299.657

JUNE 2025 (LATEST DATA) 312.330

DELTA 4.23%

# B2Z Engineering, LLC GEOTECHNICAL & MATERIALS TESTING

| ROPOSED RATE<br>(per hour) |
|----------------------------|
| (per hour)                 |
| \!                         |
|                            |
| 271.00                     |
| 255.00                     |
| 261.00                     |
| 219.00                     |
| 208.00                     |
| 193.00                     |
| 125.00                     |
| 146.00                     |
| 83.00                      |
| 120.00                     |
| 94.00                      |
| 89.00                      |
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No changes to expenses



#### **GEOTECHNICAL & CONSTRUCTION MATERIALS TESTING SERVICES**

### **Direct Expenses**

| Geotechnical Field Services   |                  |
|---|------------------|
| Mobilization (Drill Rig and Crew)   | \$475.00/Day     |
| Stand-By Time   | \$205.00/Hr      |
| Texas Cone Penetration Test (Tex-132)   | \$6.00/Ea.       |
| Soil Boring / Solid Stem  | \$40.00/Lf       |
| Soil Boring / Hollow Stem   | \$40.00/Lf       |
| Soil Boring / Mud Rotary  | \$40.00/Lf       |
| Mileage (Logger-Soil Tech)  | Current IRS Rate |
| Support Truck (Dodge 3500 flat bed w/ 500 gallon water tank, diesel tank and tools) | \$1.75/Mi.       |
| Soil Testing  |                  |
| Preparing Soil and Flexible Base Materials for Testing - Tex-101-E                  | \$85.00/Ea.      |
| Moisture Content Determination - ASTM D2216/Tex-103-E                               | \$20.00/Ea.      |
| Determination of Liquid Limit of Soils - Tex-104-E                                  | \$45.00/Ea.      |
| Determination of Plastic Limit of Soils - Tex-105-E                                 | \$45.00/Ea.      |
| Determination of Plasticity Index of Soils – Tex-106-E                              | \$45.00/Ea.      |
| Atterberg Limits of Soils - ASTM D 4318   | \$135.00/Ea.     |
| Bar Linear Shrinkage of Soils - Tex-107-E   | \$45.00/Ea.      |
| Particle Size Analysis of Soils (Gradation) - ASTM D 422/Tex-110-E                  | \$90.00/Ea.      |
| Material Finer #200 Sieve - ASTM D 1140/Tex-111-E                                   | \$60.00/Ea.      |
| Lime Series Testing (PI Relation) - Tex-112-E                                       | \$225.00/Ea.     |
| Lime Series Testing (pH Relation) - Tex-121-E (Part III)                            | \$400.00/Ea.     |
| Moisture-Density Relationship (TxDOT) - Tex-113-E /Tex-114-E                        | \$225.00/Ea.     |
| Standard Proctor - ASTM D 698   | \$225.00/Ea.     |
| Modified Proctor - ASTM D 1557  | \$225.00/Ea.     |
| Field Density Test (Nuclear) (Equipment charge) - ASTM D 6938/Tex-115-E             | \$20.00/Ea.      |
| Determination of Soil pH - Tex-128-E  | \$70.00/Ea.      |
| Soil-Lime Testing - Tex-121-E (Part I)  | \$175.00/Ea.     |
| Resistivity of Soils - Tex-129-E  | \$110.00/Ea.     |
| Sulfate Content of Soils - Tex-145-E  | \$95.00/Ea.      |
| Organic Content of Soils – Tex-148-E  | \$60.00/Ea.      |
| Texas Wet Ball Mill (Material Quality) - Tex-116-E                                  | \$250.00/Ea.     |
| Triaxial Compression (Dist. Soil & Base) - Tex-117-E                                | \$2,300.00/Ea.   |
| Unconfined Compression-Soil - ASTM D 2166   | \$55.00/Ea.      |
| Uniaxial Compression-Rock - ASTM D 7012   | \$65.00/Ea.      |
| Consolidation Test - ASTM D 2435  | \$600.00/Ea.     |
| Pulverization Gradation – Tex-101-E (Part III)                                      | \$100.00/Ea.     |
| Mechanical Grain Analysis ASTM D 6913   | \$100.00/Ea.     |
| Organic Content Determination (Ignition) ASTM D 2974                                | \$60.00/Ea.      |

| B <sup>2</sup> ZENGINEERING  |                |
|--|----------------|
| Coarse & Fine Aggregate Quality Testing  |                |
| Sieve Analysis (Dry)(4 Sieves) - ASTM C 136/Tex-200-F                          | \$65.00/Ea.    |
| Sieve Analysis (Washed)(4 Sieve) - ASTM C 136/Tex-200-F                        | \$75.00/Ea.    |
| Sieve Analysis (Conc. Aggregate)(5 Sieve) - Tex-401-A                          | \$90.00/Ea.    |
| Sieve Analysis (Additional Sieves) - All Methods                               | \$15.00/Ea.    |
| Deleterious Material (Coarse Aggr.) - Tex-217-F (Part I)                       | \$50.00/Ea.    |
| Deleterious Material (Concrete Aggr.) - Tex-413-A                              | \$50.00/Ea.    |
| Decantation (Coarse Aggr.) - Tex-217-F (Part II)                               | \$50.00/Ea.    |
| Decantation Test (Fine Aggr Conc.) - ASTM C 117/Tex-406-A                      | \$50.00/Ea.    |
| Specific Gravity/Absorp. (Conc. Aggr) - ASTM C127/Tex-403-A                    | \$80.00/Ea.    |
| L.A. Abrasion - ASTM C13/ Tex-410-A  | \$500.00/Ea.   |
| Soundness (5 Cycle Magnesium Sulfate) - ASTM C 88/Tex-411-A                    | \$500.00/Ea.   |
| SSD Unit Weight of Aggregates - ASTM C29/Tex-404-A                             | \$70.00/Ea.    |
| Percent Voids/Solids in Conc. Aggr Tex-405-A                                   | \$15.00/Ea.    |
| *(In Conjunction w/ SSD Unit Wt of Aggregates)                                 |                |
|  |                |
| Sand Equivalent - ASTM D 2419/Tex-203-F  | \$80.00/Ea.    |
| Specific Gravity / Absorption (Fine Aggr.) - ASTM C 128/Tex -403-A             | \$65.00/Ea.    |
| Organic Impurities in Fine Aggregate -ASTM C 87/Tex -408-A                     | \$50.00/Ea.    |
| Fineness Modulus of Fine Aggregate - Tex-402-A                                 | \$15.00/Ea.    |
| Flat & Elongated Particles (Coarse Aggr.) - Tex-280-F                          | \$60.00/Ea.    |
| Coarse Aggr. Crushed Face (Coarse Aggr.) - Tex-460-A (Part I)                  | \$60.00/Ea.    |
| Acid Insoluble of Fine Aggregate - Tex-612-J                                   | \$90.00/Ea.    |
| Pavement Testing (Mix & Roadway) / Asphalt Quality                             |                |
| Sieve Analysis (Paving Mix Gradation) - Tex-236-F/Tex-200-F                    | \$95.00/Ea.    |
| Bulk Specific Gravity and Water Absorption of Aggregates – Tex-201-F           | \$100.00/Ea.   |
| Lab Method of Mixing Bituminous Mixtures (set of 3) – Tex-205-F                | \$145.00/Ea.   |
| Compacting Specimens Using the Texas Gyratory Compactor (set of 3) - Tex-206-F | \$95.00/Ea.    |
| Determine Drain down Characteristics in Bituminous Mixtures – Tex-235-F        | \$60.00/Ea.    |
| Asphalt Content - Tex-236-F  | \$95.00/Ea.    |
| Voids in Mineral Aggr. (VMA) - Tex-207-F                                       | \$90.00/Ea.    |
| Boil Test (Effect of Water on Paving Mix) - Tex-530-C/Tex-531-C                | \$90.00/Ea.    |
| Indirect Tensile Strength Test - Tex-226-F                                     | \$62.50/Ea.    |
| Moisture Content (Paving Mix) - Tex-212-F (Part II)                            | \$18.00/Ea.    |
| Lab Molded Density - Tex-207-F   | \$90.00/Ea.    |
| Hamburg Wheel Tracker - Tex-242-F  | \$1,000.00/Ea. |
| Field Coring – ACP Thickness - ASTM D 3549                                     | \$70.00/Ea.    |
| Pavement Thickness Det. (Full Depth) - ASTM D 3549                             | \$95.00/Ea.    |
| Density of Cores (4 or 6 inch) (Set of 2) - Tex-207-F                          | \$80.00/Ea.    |
| In-Place Air Voids - Tex-207-F   | \$25.00/Ea.    |
| Maximum Theoretical SPG (Rice Gravity) - Tex-227-F                             | \$95.00/Ea.    |
| Extraction/Sieve Analysis/Asphalt Content - Tex-210-F/Tex-200-F                | \$250.00/Ea.   |
| Asphalt Rolling Pattern (Nuclear Method) - Tex-207-F (Part IV)                 | \$45.00/Ea.    |

| B <sup>2</sup> ZENGINEERING                                 |              |
|---|--------------|
| Segregation Profile - Tex-207-F (Part V)                    | \$315.00/Ea. |
| Joint Density - Tex-207-F (Part VII)                        | \$315.00/Ea. |
| Tack Coat Adhesion - Tex-243-F                              | \$100.00/Ea. |
| Thermal Profile - Tex-244-F                                 | \$200.00/Ea. |
| Ride Quality - Tex-1001-S                                   | By Quote     |
| Concrete/Masonry Field & Laboratory Testing                 |              |
| Capping Cyl. Concrete Specimen – Tex-450-A                  | \$15.00/Ea.  |
| Compressive Strength of Cyl. Specimen - ASTM C 39/Tex-418-A | \$25.00/Ea.  |
| Grout Prism Prep./Cure/Comp. Strength - ASTM C 39           | \$35.00/Ea.  |
| Mortar Cube Prep./Cure/Comp. Strength - ASTM C 109          | \$35.00/Ea.  |
| Masonry Unit Prep. /Comp. Str. (Set of 3) - ASTM C 140      | \$250.00/Ea. |
| Masonry Unit SPG/Abs./Unit Wt. (Set of 3) - ASTM C 140      | \$250.00/Ea. |
| Miscellaneous Testing                                       |              |
| Drilled Shaft Slurry Density - Tex-130-E (Part II)          | \$25.00/Ea.  |
| Drilled Shaft Slurry Sand Content - Tex-130-E (Part III)    | \$25.00/Ea.  |
| Drilled Shaft Slurry Viscosity - Tex-130-E (Part IV)        | \$25.00/Ea.  |
| Lime (Compliance with DMS 6350) (Tex-600-J)                 | \$300.00/Ea. |
| Asphalt Binder (Compliance with DMS-6310)                   | \$500.00/Ea. |
| Engineering Review, Evaluation, Management & Administration |              |
| Test Report   | \$25.00/Ea.  |