

TEAM Consultants, Inc.

Geotechnical • Environmental • Construction Materials Testing

April 19, 2024
Project No. 245113
Via: Email

Mr. Robert Barron
Inspection Supervisor
City of Grand Prairie
PO Box 534045
Grand Prairie, TX 75053-4045

Re: **Submittal of Budget Estimate
For Construction Materials Testing Services
Day Miar Road Paving and Drainage
W.O. # 02207503 and 02305203
Grand Prairie, Texas**

Dear Mr. Barron,

In accordance with your request, attached is our budget estimate for providing Construction Materials Testing Services for the above referenced project. Included are estimated testing services to be conducted according to an on-call basis with unit fees for those services. If additional testing is requested, charges will be by the unit rates as listed.

The contact personnel within TEAM Consultants, Inc. for the above referenced project are:

| | |
|---------------------------|------------------|
| Dispatch: | Mr. Jeff Bailey |
| CMT Manager: | Mr. Bruce Walton |
| CMT Assistant Supervisor: | Mr. Tim George |

We appreciate the opportunity to be of service to you. If you have any questions, or if I can be of any assistance, please do not hesitate to call me at (214) 331-4395. Should this budget estimate meet with your approval, please sign and return one copy to this office as our formal notification to proceed.

Sincerely,

TEAM Consultants, Inc.



Bruce Walton
CMT Manager

Attachments: Budget Estimate

Authorized by: _____

Date: _____

Geotechnical & Material Testing
Job Assignment Specification Sheet

Project #: **WO # 02207503**
Project #: **WO # 02305203**
Vendor #: **245113**
Contract #: **19087**

Owner: **City of Grand Prairie**

Contractor: **TEAM Consultants, Inc.**

Project: **Day Miard Road Paving and Drainage**

Original Contract Date: **June 5, 2019**

| ITEM NO. | DESCRIPTION OF ITEM | Unit of Measure | Approved Quantity | Unit Price | Value of Completed Work |
|---------------------|--|-----------------|-------------------|------------|-------------------------|
| Concrete | | | | | |
| 1 | Compression Test Cylinders (Making & Breaking), each | EACH | 240 | \$17.00 | \$4,080.00 |
| 2 | Air Content, Slump, Temperature, Unit Weight and Making Cylinders, (Per hour) | HOURL | 200 | \$55.00 | \$11,000.00 |
| 3 | Next Day Cylinder pickup, (Per hour) | HOURL | 60 | \$55.00 | \$3,300.00 |
| 4 | Vehicle charge, (Per Trip) | TRIP | 120 | \$35.00 | \$4,200.00 |
| 5 | Flexural Beam Testing, each | EACH | | \$32.50 | \$0.00 |
| 6 | 4" Diameter Core, (Per inch of depth) | INCH | 32 | \$8.00 | \$256.00 |
| 7 | 2" Diameter Core, (Per inch of Depth) | INCH | 32 | \$6.00 | \$192.00 |
| 8 | Core Thickness Measurement, (each) | EACH | 8 | \$9.75 | \$78.00 |
| 9 | Patching of Core Holes, each | EACH | 8 | \$11.00 | \$88.00 |
| 10 | Coring Technician Time, hour | HOURL | 6 | \$52.75 | \$316.50 |
| 11 | Sawing and/or Capping Cores, each | EACH | 4 | \$16.00 | \$64.00 |
| 12 | Compression Test of Cores, each | EACH | 4 | \$22.00 | \$88.00 |
| 13 | Mix Design Review, each | EACH | 8 | \$152.40 | \$1,219.20 |
| 14 | Mix Design Formulation w/Aggregate Tests Include Specific Gravity/Sieve Analysis/Unit WT-200, each | EACH | | \$800.00 | \$0.00 |
| 15 | Additional Mix Design Utilizing Above Mix Analysis, each | EACH | | \$430.00 | \$0.00 |
| 16 | Mix Design Formulation Revision, each | EACH | | \$250.00 | \$0.00 |
| 17 | Engineering Tech (NICET) for Quality Assurance Monitoring of Onsite Work, hour | HOURL | | \$58.00 | \$0.00 |
| 18 | Pre-pour Reinforcing Steel Placement Inspection, hour | HOURL | | \$58.00 | \$0.00 |
| 19 | Sampling for In-Lab Test, hour | HOURL | 4 | \$58.00 | \$232.00 |
| 20 | Batching Mix Design in Preparation for Making Lab Confirmation Cylinders or Beams, hour | EACH | | \$170.00 | \$0.00 |
| 21 | Batch Plant Observation Supporting Concrete Placement, hour | HOURL | 24 | \$63.40 | \$1,521.60 |
| 22 | Concrete Flatness, (Up to 20,000 Sq. Ft.) | LUMP SUM | | \$790.00 | \$0.00 |
| 23 | Concrete Flatness, (Over 20,000 Sq. Ft. - per Sq. Ft.) | SQFT | | \$0.05 | \$0.00 |
| 24 | Certified Welding Inspector, hour | HOURL | | \$77.40 | \$0.00 |
| HMAC | | | | | |
| 25 | Density Nuclear Method, (technician & gauge charge) (Per hour) | HOURL | 4 | \$65.00 | \$260.00 |
| 26 | 6" Diameter Core for in Place Density, (per inch of Depth) | INCH | 12 | \$11.30 | \$135.60 |
| 27 | Coring HMAC Technician Time, hour | HOURL | 4 | \$60.60 | \$242.40 |
| 28 | Core Depth Measurement, core (each) | EACH | 2 | \$9.25 | \$18.50 |
| 29 | Patching Core Holes, each | EACH | 2 | \$10.00 | \$20.00 |
| 30 | Vehicle Charge (per Trip) | TRIP | 1 | \$35.00 | \$35.00 |
| 31 | Ignition Oven Burn Off (% Bitumen and aggregate gradation), each | EACH | 1 | \$185.40 | \$185.40 |
| 32 | Lab Density, each | EACH | 3 | \$35.00 | \$105.00 |
| 33 | Stability Test, each | EACH | 3 | \$45.00 | \$135.00 |
| 34 | Maximum Specific Gravity, each | EACH | 1 | \$85.00 | \$85.00 |
| 35 | Batch Plant Hot Bin Analysis, hour | HOURL | | \$74.00 | \$0.00 |
| 36 | Material Sampling For In-lab Tests, hour | HOURL | 2 | \$58.00 | \$116.00 |
| Professional | | | | | |
| 37 | Chief Engineer Scientist, hour | HOURL | | \$185.00 | \$0.00 |
| 40 | Senior Technician, hour | HOURL | | \$69.50 | \$0.00 |
| 41 | Senior Project Engineer Professional Engineer, hour | HOURL | | \$160.40 | \$0.00 |
| 42 | Project Engineer Scientist Geologist, hour | HOURL | 3 | \$129.50 | \$388.50 |
| 43 | Graduate Engineer Project Manager, hour | HOURL | | \$111.00 | \$0.00 |
| 44 | Staff Scientist Geologist Engineer, hour | HOURL | | \$100.00 | \$0.00 |
| 45 | Clerical, hour | HOURL | | \$54.60 | \$0.00 |
| 46 | Drafter, hour | HOURL | | \$65.00 | \$0.00 |
| 47 | Engineering and Report Review, hour | HOURL | | \$136.00 | \$0.00 |
| Geotechnical | | | | | |
| 48 | Undisturbed Soil Sample, each | EACH | | \$12.50 | \$0.00 |
| 49 | Visual Classification, each | EACH | | \$12.50 | \$0.00 |
| 50 | Classification ASTM D-2487, each | EACH | | \$105.00 | \$0.00 |
| 51 | Sample Preparation, hour | HOURL | | \$63.00 | \$0.00 |
| 52 | Atterburg Limits RAW PI, each | EACH | 6 | \$55.00 | \$330.00 |
| 53 | Soil w/Additive, each | EACH | | \$65.00 | \$0.00 |
| 54 | Bar Lineal Shrinkage, each | EACH | 2 | \$46.00 | \$92.00 |
| 55 | Moisture Density Relationship (Proctor) Standard (ASTM D-698) each | EACH | 8 | \$185.00 | \$1,480.00 |
| 57 | Moisture Density Relationship (Proctor) Modified (ASTM D-1557) each | EACH | | \$220.00 | \$0.00 |
| 59 | THD 113E, each | EACH | | \$220.00 | \$0.00 |
| 60 | Unit Weight, each | EACH | | \$32.50 | \$0.00 |
| 61 | Unit Weight (Dry Rodded), each | EACH | | \$35.00 | \$0.00 |
| 62 | -200 Sieve Analysis, each Decant | EACH | | \$42.00 | \$0.00 |
| 63 | Laboratory Moisture Content, each | EACH | | \$8.40 | \$0.00 |
| 64 | Sieve Analysis (Fine Aggregate), each | EACH | | \$84.00 | \$0.00 |
| 65 | Sieve Analysis (Large Aggregate), each | EACH | 2 | \$84.00 | \$168.00 |
| 66 | Sieve Analysis (Finer than 200 Sieve), each (Hydrometer Analysis) | EACH | | \$115.00 | \$0.00 |
| 67 | Lime or Cement Series Determination (5 points) | EACH | | \$315.00 | \$0.00 |
| 68 | pH Series (6 points), each | EACH | | \$248.70 | \$0.00 |
| 69 | Sulphate Test (TEX 145E), each (5 days turnaround) | EACH | | \$69.00 | \$0.00 |

Geotechnical & Material Testing
Job Assignment Specification Sheet

Project #: **WO # 02207503**
Project #: **WO # 02305203**
Vendor #: **245113**
Contract #: **19087**

Owner: **City of Grand Prairie**

Contractor: **TEAM Consultants, Inc.**

Project: **Day Miar Road Paving and Drainage**

Original Contract Date: **June 5, 2019**

| ITEM NO. | DESCRIPTION OF ITEM | Unit of Measure | Approved Quantity | Unit Price | Value of Completed Work |
|----------|--|-----------------|-------------------|------------|-------------------------|
| 70 | Sulphate Test (TEX 145E), each (48 hour turnaround) | EACH | | \$134.00 | \$0.00 |
| 71 | Specific Gravity, each (Aggregate) | EACH | | \$63.00 | \$0.00 |
| 72 | Absorption, each | EACH | | \$35.00 | \$0.00 |
| 73 | Los Angeles Abrasion (Large Aggregate), each | EACH | | \$235.00 | \$0.00 |
| 74 | Los Angeles Abrasion (Small Aggregate), each | EACH | | \$235.00 | \$0.00 |
| 75 | Texas Wet Ball Mill, each | EACH | 2 | \$250.00 | \$500.00 |
| 76 | Gradation (Lime or Cement Stabilized), hour | HOURL | | \$58.00 | \$0.00 |
| 77 | Limed Soil Depth Measurement, hour | HOURL | | \$58.00 | \$0.00 |
| 78 | In Place Moisture Density, (per Hour) (Tech & Gauge) | HOURL | 55 | \$70.00 | \$3,850.00 |
| 79 | Unconfined Compression Test Soil, each (Including Moisture) | EACH | | \$50.00 | \$0.00 |
| 80 | Unconfined Compression Test Rock, each (Including Moisture) | EACH | | \$60.00 | \$0.00 |
| 81 | Confined Compressions Test (UU), each | EACH | | \$129.00 | \$0.00 |
| 82 | Triaxial Consolidated Undrained w/Pore Pressure Measurement, speci (3 Stage) | STAGE | | \$1,300.00 | \$0.00 |
| 83 | Triaxial Consolidated Drained, per stage | STAGE | | \$950.00 | \$0.00 |
| 84 | Consolidated Test, each | EACH | | \$500.00 | \$0.00 |
| 85 | Direct Shear Consolidated Drained Sand & Gravel, point | POINT | | \$232.00 | \$0.00 |
| 86 | Direct Shear Consolidated Drained Silt & Clay, point | POINT | | \$232.00 | \$0.00 |
| 87 | California Bearing Ratio, each | EACH | | \$416.70 | \$0.00 |
| 88 | THD Triaxial, each | EACH | | \$1,600.00 | \$0.00 |
| 89 | Swell, each Absorption Pressure | EACH | | \$140.00 | \$0.00 |
| 90 | Permeability Test Falling Head, each | EACH | | \$400.00 | \$0.00 |
| 91 | Permeability Test Tiraxial, each | EACH | | \$525.00 | \$0.00 |
| 92 | Permeability Test Flex Wall, each | EACH | | \$525.00 | \$0.00 |
| 93 | Permeability Test Granular Soils, each (Constant Head) | EACH | | \$400.00 | \$0.00 |
| 94 | Permeability Test Pressure Head w/Back Pressure Saturation, each | EACH | | \$515.00 | \$0.00 |
| 95 | Electrical Resistivity, THD Method, each | EACH | | \$166.70 | \$0.00 |
| 96 | Truck Mounted Mobilization, mile | MILE | | \$4.00 | \$0.00 |
| 97 | Truck Mounted Mobilization, trip | TRIP | | \$371.70 | \$0.00 |
| 98 | Buggy/Ave Mounted, mile | MILE | | \$5.50 | \$0.00 |
| 99 | Buggy/Ave Mounted, trip | TRIP | | \$613.40 | \$0.00 |
| 100 | Site Access Clearing (including disposal and revegetation) Lump Sum (**QOR) | LS | | QOR | \$0.00 |
| 101 | Per Diem Per Man, (per day as per Federal Per Diem Rate Standard) | DAY | | QOR | \$0.00 |
| 102 | Intermittent Soil Sampling w/Truck @ 5' Intervals 0-25' Depth, foot | FOOT | | \$14.40 | \$0.00 |
| 103 | Intermittent Soil Sampling w/Truck @ 5' Intervals 25-50' Depth, foot | FOOT | | \$16.90 | \$0.00 |
| 104 | Intermittent Soil Sampling w/Truck @ 5' Intervals 50-100' Depth, foot | FOOT | | \$19.50 | \$0.00 |
| 105 | Continuous Soil Sampling w/Truck 0-10' Depth, foot | FOOT | | \$17.50 | \$0.00 |
| 106 | Intermittent Soil Sampling w/ATV @ 5' Intervals 0-25' Depth, foot | FOOT | | \$18.00 | \$0.00 |
| 107 | Intermittent Soil Sampling w/ATV @ 5' Intervals 25-50' Depth, foot | FOOT | | \$20.40 | \$0.00 |
| 108 | Intermittent Soil Sampling w/ATV @ 5' Intervals 50-100' Depth, foot | FOOT | | \$23.90 | \$0.00 |
| 109 | Continuous Soil Sampling w/ATV 0-10' Depth, foot | FOOT | | \$21.00 | \$0.00 |
| 110 | Continuous Soil Sampling w/ATV 10-50' Depth, foot | FOOT | | \$33.40 | \$0.00 |
| 111 | Auger Drilling Without Sample, foot | FOOT | | \$10.70 | \$0.00 |
| 112 | Rock Coring w/NX Size, Core Barrel 0-25' Depth Carbide Bit, foot | FOOT | | \$27.50 | \$0.00 |
| 113 | Rock Coring w/NX Size, Core Barrel 25-50' Depth Carbide Bit, foot | FOOT | | \$29.50 | \$0.00 |
| 114 | Rock Coring w/NX Size, Core Barrel 50-75' Depth Carbide Bit, foot | FOOT | | \$30.50 | \$0.00 |
| 115 | Rock Coring w/NX Size, Core Barrel 75-100' Depth Carbide Bit, foot | FOOT | | \$32.00 | \$0.00 |
| 116 | Rock Coring w/NX Size, Core Barrel 50-75' Depth Diamond Bit, foot | FOOT | | \$37.20 | \$0.00 |
| 117 | CME 5' Continuous Sampler 0-50' Depth, run | RUN | | \$22.00 | \$0.00 |
| 118 | Stand By or Access Time, hour | HOURL | | \$200.00 | \$0.00 |
| 119 | Drilling w/Auger Rig, hour | HOURL | | \$225.00 | \$0.00 |
| 120 | Minimum Drill Fee | FEE | | \$800.00 | \$0.00 |
| 121 | Post Injection Sub-grade Evaluation Per Boring Including Moisture and Free Swell Determination | EACH | | \$650.00 | \$0.00 |
| 122 | Minimum Post Injection Charge | EACH | | \$1,500.00 | \$0.00 |
| 125 | Vehicle Charge, (Per Trip) | TRIP | 45 | \$35.00 | \$1,575.00 |

TOTAL WORK ORDER AMOUNT: \$36,356.70