

## **EXHIBIT C**

### **WORK AUTHORIZATION**

#### **WORK AUTHORIZATION NO. 1**

#### **PROJECT: 25IFB88 RM2243 PHASE 1A**

This Work Authorization is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated September 11, 2024, and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Terracon Consultants, Inc. (the "Engineer").

Part 1. The Engineer will provide the following Engineering Services set forth in Attachment "B" of this Work Authorization.

Part 2. The maximum amount payable for services under this Work Authorization without modification is \$ 130,576.00

Part 3. Payment to the Engineer for the services established under this Work Authorization shall be made in accordance with the Contract.

Part 4. This Work Authorization shall become effective on the date of final acceptance and full execution of the parties hereto and shall terminate on December 31, 2028. The Engineering Services set forth in Attachment "B" of this Work Authorization shall be fully completed on or before said date unless extended by a Supplemental Work Authorization.

Part 5. This Work Authorization does not waive the parties' responsibilities and obligations provided under the Contract.

Part 6. County believes it has sufficient funds currently available and authorized for expenditure to finance the costs of this Work Authorization. Engineers understand and agree that County's payment of amounts under this Work Authorization is contingent on the County receiving appropriations or other expenditure authority sufficient to allow the County, in the exercise of reasonable administrative discretion, to continue to make payments under this Contract. It is further understood and agreed by Engineer that County shall have the right to terminate this Contract at the end of any County fiscal year if the governing body of County does not appropriate sufficient funds as determined by County's budget for the fiscal year in question. County may affect such termination by giving written notice of termination to Engineer.

Part 7. This Work Authorization is hereby accepted and acknowledged below.

Continued next page

ENGINEER:

Terracon Consultants Inc.

By: *Harrison Schneider*

Signature

Harrison J Schneider

Printed Name

Department Manager II

Title

11/05/2025

Date

COUNTY:

Williamson County, Texas

By: *SS*  
Steve Snell (Dec 15, 2025 11:29:24 CST)

Signature

Steve Snell

Printed Name

Judge

Title

12/15/2025

Date

LIST OF ATTACHMENTS

Attachment A - Services to be Provided by County

Attachment B - Services to be Provided by Engineer

Attachment C - Work Schedule

Attachment D - Fee Schedule

**APPROVED**

*By Christen Eschberger at 8:54 am, Nov 25, 2025*

ATTACHMENT A  
SERVICES TO BE PROVIDED THE COUNTY  
FOR 25IFB88-RM 2243 PHASE1A

In general, Williamson County and its representatives, to their best efforts will render services as follows:

1. Name, business address and phone number of County's project manager and any other points of contact, to be identified upon Notice of Proceed.
2. Provide construction manual and available appropriate County data on file, plans and specifications that are deemed pertinent to the completion of the work required by the scope of services (including project plans, quantity sheets, and bid form).
3. Provide a weekly material testing schedule and confirm/cancel requested services at least 24 hours in advance.
4. Assist with coordination with the contractor to provide sampling accommodation and appropriate sample storage areas.
5. Assist with Coordination between the Engineer and the County's other subconsultant.

## **ATTACHMENT B**

### **SERVICES TO BE PROVIDED BY THE ENGINEER**

Perform sampling and testing of components and materials in accordance with the standard specifications, and all other standard and special specifications and special provisions applicable in this agreement. Meet the minimum sampling frequencies as described in Williamson County Quality Control/Quality Assurance Program included in Appendix A of the Project Construction Manual (PCM). The Contractor is responsible for Quality Control testing of all materials, except for Hot Mix Asphalt (HMA). Williamson County (Owner) is responsible for Quality Control testing of HMA and Quality Assurance testing of all other materials. The frequency and location will be according to the “Project Test” frequency as shown in Appendix B “TxDOT Guide Schedule for Sampling and Testing” of the PCM. For Quality Assurance testing, assume a frequency of 10% of the Contractor’s QC testing. The estimated number of samples and tests are to be based on the project quantities in the executed construction contract.

- Ensure the testing is complete and the test results are distributed to the appropriate parties within 24 hours.
- Create and maintain organized files for each type of materials tested (soils, flexible base, HMA, Concrete, etc.).
- The Engineer shall prepare a project specific Quality Assurance and Quality Control Plan (QA/QC) and submit within 30 days of the Notice to Proceed.
- The Engineer shall provide certified personnel, outlined in their QA/QC plan that are knowledgeable of all materials testing procedures. All personnel performing acceptance tests must provide certifications and must maintain the certifications throughout the project. Williamson County reserves the right to require replacement of any technician during this contract if performance is determined to be unsatisfactory or the technician fails to maintain appropriate certifications.
- Engineers shall provide certified technicians in accordance with TxDOT Quality Assurance Programs for Construction (QAP) or other State approved programs, such as the Texas Asphalt Pavement Association (TxAPA) for Hot Mix Asphalt, and the Soils and Base Certification Program, as listed below.
- Provide sampling and testing personnel qualified to perform testing materials in the areas of Bituminous materials. The test methods for which individuals can be qualified are listed in Section 6 Sampling and Testing

Personnel Qualification Program of Williamson County Quality Control/Quality Assurance Program.

The required certifications include, but are not limited to:

- Hot Mix Asphalt Testing
  - Level I-A
  - Level I-B
  - Level II
  - All other tests in the TxDOT Manual of Testing Procedures 200-F Series or ASTM procedures not covered in Level I-A, Level I-B, or Level II
- Concrete Testing
  - TxDOT QAP Program for Concrete Testing and/or
  - ACI Field Technician Certification Program
  - - Other tests outline in the Manual of Testing Procedures 400-A Series or ASTM Procedures that are not included in the TxDOT QAP Program.
- Soils & Aggregates
  - Series 100-E and 400-A Lime Series
- The Engineer shall attend up to 2 pre-activity meetings as requested by the Observer.

The Engineer shall:

- Review and recommend approval or rejection for all sampling and testing documentation submitted by the contractor for compliance with applicable State and federal regulations, standards, and contract requirements. Verify all material used meet specifications or identify materials that do not meet specifications and recommend corrective action.
  - Certify that all materials used during construction meet the specifications of the contract documents.
- Work closely with Williamson County to resolve all material discrepancies and reach resolution (use-as-installed, remove/replace, deduction/penalties) before the next monthly estimate.
- Create and maintain a material testing log for each type of material tested. The Engineer shall report failing tests to the Williamson County representative within twenty-four (24) hours.

**DELIVERABLES:**

The Engineer will provide the following:

- Testing documentation as applicable (field technician daily report, sample documentation, test result report, etc.) Monthly update of the
- Materials Test Log
- Certification Verifications
- Letters of Certification

Attachment C  
Work Schedule

Terracon will provide construction materials and oversight testing services for Williamson County (County). These services will be provided as requested by the County or County's representative on an as-needed basis for the County's RM 2243 Phase 1A Project through December 31, 2028.

**Attachment D**

**Fee Schedule**

Materials Services  
 Hero Way( RM 2243 Phase 1A)  
 Terracon Proposal No. PAC251171

DESCRIPTION	RATE	QUANTITY	UNITS	TRIPS	TOTAL QUANTITY	TOTAL
<b>Materials Observation &amp; Testing Services</b>						<b>\$ 130,576.00</b>
<b>Earthwork Observation &amp; testing</b>						<b>\$ 31,278.00</b>
<b>Utility trench &amp; Foundation Testing</b>						<b>\$ 5,192.00</b>
Soils Technician	\$ 70.00	3	hours	12	36	\$ 2,520.00
TXDOT TEX-114E	\$ 250.00	2	tests	1	2	\$ 500.00
Combine sieve analysis (ASTM C136 and C117)	\$ 150.00	2	tests	1	2	\$ 300.00
Atterberg Limits (ASTM D4318)	\$ 100.00	2	tests	1	2	\$ 200.00
Organic Impurities in TXDOT - 408	\$ 80.00	2	tests	1	2	\$ 160.00
Vehicle, per trip	\$ 60.00	1	trips	12	12	\$ 720.00
Inplace Density/ Moisture test, Nuclear Method (ASTM D6938)	\$ 22.00	3	tests	12	36	\$ 792.00
<b>Roadway Embankment testing</b>						<b>\$ 9,660.00</b>
Soils Technician	\$ 70.00	3	hours	25	75	\$ 5,250.00
TXDOT TEX-114E	\$ 250.00	1	tests	1	1	\$ 250.00
TXDOT TEX-113E	\$ 350.00	1	tests	1	1	\$ 350.00
Combine sieve analysis (ASTM C136 and C117)	\$ 150.00	2	tests	1	2	\$ 300.00
Atterberg Limits (ASTM D4318)	\$ 100.00	2	tests	1	2	\$ 200.00
Organic Impurities in TXDOT - 408	\$ 80.00	2	tests	1	2	\$ 160.00
Vehicle, per trip	\$ 60.00	1	trips	25	25	\$ 1,500.00
Inplace Density/ Moisture test, Nuclear Method (ASTM D6938)	\$ 22.00	3	tests	25	75	\$ 1,650.00
<b>Lime treated Subgrade testing</b>						<b>\$ 6,866.00</b>
Soils Technician	\$ 70.00	5	hours	6	30	\$ 2,100.00
TXDOT TEX-113E	\$ 350.00	1	tests	6	6	\$ 2,100.00
Field Gradation of lime treated soil	\$ 60.00	1	tests	6	6	\$ 360.00
Atterberg Limits (ASTM D4318)	\$ 100.00	6	tests	1	6	\$ 600.00
Organic Impurities in TXDOT - 408	\$ 80.00	6	tests	1	6	\$ 480.00
Sulfate Content	\$ 50.00	1	tests	1	1	\$ 50.00
Depth Check of lime treated soil	\$ 30.00	1	tests	6	6	\$ 180.00
Soil Ph value	\$ 40.00	1	tests	6	6	\$ 240.00
Vehicle, per trip	\$ 60.00	1	trips	6	6	\$ 360.00
Inplace Density/ Moisture test, Nuclear Method (ASTM D6938)	\$ 22.00	3	tests	6	18	\$ 396.00
<b>Base material testing</b>						<b>\$ 9,560.00</b>
Soils Technician	\$ 70.00	3	hours	10	30	\$ 2,100.00
TXDOT TEX-113 E	\$ 350.00	2	tests	1	2	\$ 700.00
Combine sieve analysis (ASTM C136 and C117)	\$ 150.00	2	tests	1	2	\$ 300.00
Atterberg Limits (ASTM D4318)	\$ 100.00	2	tests	1	2	\$ 200.00
Organic Impurities in TXDOT - 408	\$ 80.00	2	tests	1	2	\$ 160.00
TXDOTb TEX-116 E	\$ 320.00	2	tests	1	2	\$ 640.00
TXDOTb TEX-117 E	\$ 2,100.00	2	tests	1	2	\$ 4,200.00
Vehicle, per trip	\$ 60.00	1	trips	10	10	\$ 600.00
Inplace Density/ Moisture test, Nuclear Method (ASTM D6938)	\$ 22.00	3	tests	10	30	\$ 660.00
<b>Concrete Testing</b>						<b>\$ 39,555.00</b>
<b>Drainage &amp; Culvert Structure</b>						<b>\$ 3,040.00</b>
Concrete Technician	\$ 65.00	3	hours	8	24	\$ 1,560.00
Compressive Strength of 4" x 8" Cylinder (ASTM C31 & C39)	\$ 25.00	5	tests	8	40	\$ 1,000.00
Vehicle, per trip	\$ 60.00	1	trips	8	8	\$ 480.00
<b>Rigid Pavement, Ramp &amp; Median</b>						<b>\$ 5,680.00</b>
Concrete Technician	\$ 65.00	3	hours	8	24	\$ 1,560.00
Concrete Technician OT	\$ 97.50	2	hours	8	16	\$ 1,560.00
Compressive Strength of 4" x 8" Cylinder (ASTM C31 & C39)	\$ 25.00	8	tests	8	64	\$ 1,600.00
Compressive Strength of 6" x 12" Cylinder (ASTM C31 & C39)	\$ 30.00	2	tests	8	16	\$ 480.00
Vehicle, per trip	\$ 60.00	1	trips	8	8	\$ 480.00
<b>Sidewalks, Curb &amp; Gutter</b>						<b>\$ 9,500.00</b>
Concrete Technician	\$ 65.00	3	hours	25	75	\$ 4,875.00
Compressive Strength of 4" x 8" Cylinder (ASTM C31 & C39)	\$ 25.00	5	tests	25	125	\$ 3,125.00
Vehicle, per trip	\$ 60.00	1	trips	25	25	\$ 1,500.00
<b>Light and Traffic Signal Poles</b>						<b>\$ 5,700.00</b>
Concrete Technician	\$ 65.00	3	hours	15	45	\$ 2,925.00
Compressive Strength of 4" x 8" Cylinder (ASTM C31 & C39)	\$ 25.00	5	tests	15	75	\$ 1,875.00
Vehicle, per trip	\$ 60.00	1	trips	15	15	\$ 900.00
<b>Shotcrete(CI C) sample coring &amp; lab testing</b>						<b>\$ 2,280.00</b>
Coring Crew	\$ 150.00	5	hours	2	10	\$ 1,500.00
Concrete core compression test (ASTM C39)	\$ 60.00	3	tests	2	6	\$ 360.00
Vehicle Mileage (Travel)	\$ 60.00	1	trips	2	2	\$ 120.00
Rental Equipment (Field Costs)	\$ 150.00	1	days	2	2	\$ 300.00
<b>Soil Nail Anchor Pull Test Inspection</b>						<b>\$ 640.00</b>
Concrete Technician	\$ 65.00	4	hours	2	8	\$ 520.00
Vehicle, per trip	\$ 60.00	1	trips	2	2	\$ 120.00
<b>Soil Nail and Grout</b>						<b>\$ 1,125.00</b>
Concrete Technician	\$ 65.00	3	hours	3	9	\$ 585.00
Compressive Strength of Masonry Block Prism (filled with grout)	\$ 40.00	3	tests	3	9	\$ 360.00
Vehicle, per trip	\$ 60.00	1	trips	3	3	\$ 180.00
<b>Concrete Sample Pickup</b>						<b>\$ 11,590.00</b>

**Attachment D**

**Fee Schedule**

Materials Services  
 Hero Way( RM 2243 Phase 1A)  
 Terracon Proposal No. PAC251171

DESCRIPTION	RATE	QUANTITY	UNITS	TRIPS	TOTAL QUANTITY	TOTAL
Concrete Technician	\$ 65.00	2	hours	61	122	\$ 7,930.00
Vehicle, per trip	\$ 60.00	1	trips	61	61	\$ 3,660.00
<b>Asphalt Testing</b>						<b>\$ 39,783.00</b>
<b>Asphalt 1A Testing</b>						<b>\$ 19,090.00</b>
Asphalt Technician 1A	\$ 70.00	8	hours	23	184	\$ 12,880.00
Asphalt Technician 1A OT	\$ 105.00	2	hours	23	46	\$ 4,830.00
Vehicle, per trip	\$ 60.00	1	trips	23	23	\$ 1,380.00
<b>Asphalt 1B Inspection &amp; Testing</b>						<b>\$ 19,090.00</b>
Asphalt Technician 1B	\$ 70.00	8	hours	23	184	\$ 12,880.00
Asphalt Technician 1B OT	\$ 105.00	2	hours	23	46	\$ 4,830.00
Vehicle, per trip	\$ 60.00	1	trips	23	23	\$ 1,380.00
<b>Seal Coat sample pickup</b>						<b>\$ 777.00</b>
Asphalt Technician 1A	\$ 70.00	3	hours	1	3	\$ 210.00
Specific Gravity ( Density)	\$ 98.00	1	tests	1	1	\$ 98.00
Softening Point	\$ 145.00	1	tests	1	1	\$ 145.00
Ductility	\$ 145.00	1	tests	1	1	\$ 145.00
Elastic Recovery	\$ 119.00	1	tests	1	1	\$ 119.00
Vehicle, per trip	\$ 60.00	1	trips	1	1	\$ 60.00
<b>Tack Coat sample pickup</b>						<b>\$ 826.00</b>
Asphalt Technician 1A	\$ 70.00	3	hours	1	3	\$ 210.00
Sayvolt Viscosity	\$ 88.00	1	tests	1	1	\$ 88.00
Sieve Test	\$ 63.00	1	tests	1	1	\$ 63.00
Specific Gravity ( Density)	\$ 98.00	1	tests	1	1	\$ 98.00
Residue By Distribution	\$ 214.00	1	tests	1	1	\$ 214.00
Penetration	\$ 93.00	1	tests	1	1	\$ 93.00
Vehicle, per trip	\$ 60.00	1	trips	1	1	\$ 60.00
<b>Project Management / Administration</b>						<b>\$ 19,960.00</b>
Administration	\$ 70.00	22	hours	1	22	\$ 1,540.00
Project Manager	\$ 160.00	105	hours	1	105	\$ 16,800.00
Senior Project Manager	\$ 180.00	9	hours	1	9	\$ 1,620.00
<b>Total</b>						<b>\$ 130,576.00</b>









# 12/9/2026 Agenda Item #32 (RM2243) Terracon WA#01

Final Audit Report

2025-12-15

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