

WORK AUTHORIZATION NO. 1

PROJECT: Medic 11 EMS Addition

This Work Authorization is made pursuant to the terms and conditions of the Agreement for Architectural and Engineering Services, being dated February 25, 2020 and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Fugro USA Land, Inc.

Part 1. The A/E will provide the following Architectural and 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 \$4,995.00

Part 3. Payment to the A/E 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 August 31st, 2020. The Architectural and 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. A/E understands and agrees 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 A/E 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 effect such termination by giving written notice of termination to A/E.

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

EXECUTED this 21st day of April, 2020.

A/E:

Fugro USA Land, Inc.

By: Pt H. Bush
Signature

Peter H. Bush, P.E.

Printed Name

Senior Vice President

Title

COUNTY:

Williamson County, Texas

By: Bill Gravel Jr.
Signature

Bill Gravel Jr.

Printed Name

County Judge

Title

LIST OF ATTACHMENTS

Attachment A - Services to be Provided by County

Attachment B - Services to be Provided by A/E

Attachment C - Work Schedule

Attachment D - Fee Schedule

Attachment A - Services to be Provided by County

Williamson County will provide a Project Manager and any requested data that is in the County's control.

Attachment B - Services to be Provided by A/E

Scope of Services

Based upon the plans and specifications of the project, we present our proposed scope of services in the following paragraphs, consisting of providing Quality Control testing services. Our services will consist of:

- Earthwork Testing;
- Concrete Reinforcing Steel Observation;
- Concrete Testing; and
- Hot Mix Asphaltic Concrete Testing.

For placement and compaction of fill or backfill, we will provide a soil technician when requested to perform required field density tests. Laboratory tests will consist of Atterberg limit determinations, gradation analyses, and moisture density relationships.

Attachment C - Work Schedule

A work schedule will be determined in the course of the project when sufficient information is available.

Attachment D - Fee Schedule

ATTACHMENT 1

Cost Estimate Construction Materials Testing Services

Williamson County Medic 11 EMS Addition 1801 E. Old Settlers Boulevard

Round Rock, Texas

Field Testing - Earthwork		Quantity	Unit	Unit Price	Extension	Subtotal
1.1	Technician	8	hour	\$48.00	\$384.00	
2.1	Transportation	3	each	\$65.00	\$195.00	
2.2	Nuclear Density Tests	10	each	\$19.00	\$190.00	
Subtotal						\$769.00
Laboratory Testing for Earthwork & Pavement Base		Quantity	Unit	Rate	Extension	Subtotal
3.2	Atterberg Limit Determinations	2	each	\$75.00	\$150.00	
3.3	Sieve Analysis	2	each	\$75.00	\$150.00	
3.6	Moisture Density Relationship	2	each	\$235.00	\$470.00	
Subtotal						\$770.00
Reinforcing Steel Verification		Quantity	Unit	Rate	Extension	Subtotal
1.1	Technician	10	hour	\$48.00	\$480.00	
2.1	Transportation	3	each	\$65.00	\$195.00	
Subtotal						\$675.00
Concrete Placement - Structural		Quantity	Unit	Rate	Extension	Subtotal
1.1	Technician	10	hour	\$48.00	\$480.00	
2.1	Transportation	3	each	\$65.00	\$195.00	
2.10	Air Content of Fresh Concrete	3	each	\$25.00	\$75.00	
4.6	Compressive Strength of Concrete	12	each	\$19.00	\$228.00	
Subtotal						\$978.00
Hot Mixed Asphaltic Concrete (HMAC)		Quantity	Unit	Rate	Extension	Subtotal
1.1	Technician (Bag Retrieval & Coring)	3	hour	\$48.00	\$144.00	
2.1	Transportation	1	each	\$65.00	\$65.00	
2.6	Asphalt Coring Equipment	2	hour	\$30.00	\$60.00	
Subtotal						\$269.00
Laboratory Testing for HMAC		Quantity	Unit	Rate	Extension	Subtotal
5.2	Molding Test Specimens, 3 per Set, Bulk Density & Stability	1	each	\$135.00	\$135.00	
5.3	Determine Maximum Theoretical Density, Bag	1	each	\$78.00	\$78.00	
5.6	Asphalt Content and Gradation, Extraction	1	each	\$420.00	\$420.00	
5.7	Bulk Specific Gravity of Asphalt Core	3	each	\$47.00	\$141.00	
Subtotal						\$774.00
Project Management and Supervision		Quantity	Unit	Rate	Extension	Subtotal
7.1	Word Processing/Report Preparation & Distribution	3	hours	\$65.00	\$195.00	
8.2	Project Manager	3	hour	\$175.00	\$525.00	
Subtotal						\$720.00
Total Estimated Cost						\$4,955.00