

WORK AUTHORIZATION NO. 1

PROJECT: On Call Professional Engineering Services for Small Maintenance Projects

This Work Authorization is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated **March 24, 2020** and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and **M&S Engineering** (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 **\$50,000.**

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 **March 23, 2022.** 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. Engineer 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 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 effect such termination by giving written notice of termination to Engineer.

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

EXECUTED this ____ day of _____, 20__.

ENGINEER:

M&S Engineering, LLC

By: 
Signature

Jerod Mott
Printed Name

Municipal Dept Manager
Title

COUNTY:

Williamson County, Texas

By: _____
Signature

Printed Name

Title

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

Attachment A - Services to be Provided by County

Williamson County Road & Bridge Division personnel will provide project direction, review and oversight.

Attachment B - Services to be Provided by Engineer

General Description of Project:

This project consists of on-call professional engineering services to support the Williamson County Road & Bridge department, relating to the repair, maintenance and replacement of drainage and roadway facilities maintained by Williamson County. Locations are unknown and may be anywhere within Williamson County.

The Engineer shall prepare a Memorandum of Understanding (MOU) prior to the start of each on-call service for review and approval by the County.

The MOU can contain one or more of the following tasks, as more fully described in Exhibit B of the Professional Services Agreement:

- TASK 1: PROJECT MANAGEMENT
- TASK 2: TOPOGRAPHIC AND R.O.W. SURVEYS
- TASK 3: PRELIMINARY ENGINEERING
- TASK 4: GEOTECHNICAL INVESTIGATION
- TASK 5: ENVIRONMENTAL STUDIES
- TASK 6: UTILITY COORDINATION
- TASK 7: FEMA COORDINATION
- TASK 8: FINAL ENGINEERING
- TASK 9: BIDDING PHASE SERVICES
- TASK 10: CONSTRUCTION PHASE SERVICES

Attachment C - Work Schedule

General Description of Project:

This project consists of on-call professional engineering services to support the Williamson County Road & Bridge department, relating to the repair, maintenance and replacement of drainage and roadway facilities maintained by Williamson County. Locations are unknown and may be anywhere within unincorporated areas of Williamson County.

Work Schedule

Engineering services will be provided on an on-call basis, with work schedules to be developed as work is dispatched and directed by Williamson County staff.

Attachment D - Fee Schedule

The following pages are the Exhibit D Rate Schedules included in the Professional Services Agreement and are applicable to this Work Authorization.

EXHIBIT D – RATE SCHEDULE



M&S ENGINEERING

CIVIL | ELECTRICAL | STRUCTURAL | MEP

Labor Classification	Base Rate
Technician I	\$ 60.00
Technician II	\$ 65.00
Technician III	\$ 70.00
Technician IV	\$ 75.00
Project Technician I	\$ 80.00
Project Technician II	\$ 85.00
Project Technician III	\$ 90.00
Project Technician IV	\$ 95.00
Project Technician V	\$ 100.00
Senior Technician I	\$ 105.00
Senior Technician II	\$ 110.00
Senior Technician III	\$ 115.00
Senior Technician IV	\$ 120.00
Project Manager I	\$ 150.00
Project Manager II	\$ 160.00
Project Manager III	\$ 170.00
Project Manager IV	\$ 180.00
Project Engineer I	\$ 135.00
Project Engineer II	\$ 145.00
Project Engineer III	\$ 150.00
Project Engineer IV	\$ 155.00
Project Engineer V	\$ 160.00
Administrative I	\$ 65.00
Administrative II	\$ 75.00
Administrative III	\$ 80.00

Labor Classification	Base Rate
Technical Specialist I	\$ 125.00
Technical Specialist II	\$ 135.00
Technical Specialist III	\$ 145.00
Technical Specialist IV	\$ 155.00
Graduate Engineer/SIT I	\$ 100.00
Graduate Engineer/SIT II	\$ 110.00
Graduate Engineer/SIT III	\$ 120.00
Graduate Engineer/SIT IV	\$ 130.00
CAD Operator I	\$ 70.00
CAD Operator II	\$ 75.00
Senior CAD Operator I	\$ 80.00
Senior CAD Operator II	\$ 85.00
Senior Engineer I/RPLS I	\$ 165.00
Senior Engineer II/RPLS II	\$ 170.00
Senior Engineer III/RPLS III	\$ 175.00
Senior Engineer IV/RPLS IV	\$ 180.00
Principal Engineer I	\$ 190.00
Principal Engineer II	\$ 200.00
Principal Engineer III	\$ 210.00
1 Man Survey Crew	\$ 110.00
2 Man Survey Crew	\$ 155.00
3 Man Survey Crew	\$ 175.00

Rates are inclusive of all surveying equipment, including stakes, marking paints, and other consumable items required.

Updated 12/05/2019

Revised per Williamson County comments 03/02/2020

EXHIBIT D – RATE SCHEDULE



M&S ENGINEERING

CIVIL | ELECTRICAL | STRUCTURAL | MEP

Deliverable/Printing Pricing Schedule

DESCRIPTION	COST
Small job books (1" to 1 1/2" binder)	\$25.00
Medium job books (2" to 2 1/2" binder)	\$45.00
Large job books (3" and above binder)	\$65.00
Plots - "C" size (18x 24) Black & White	\$1.50
Plots - "C" size (18x 24) Color	\$2.50
Plots - "D" size (22X34) Black & White	\$2.50
Plots - "D" size (22X34) Color	\$3.50

Additional Equipment

For site specific requirements that do not allow for access via 4x4 trucks, M&S will provide use of various all-terrain vehicles to facilitate field work. Reimbursement for usage of such equipment will be billed at the following rates:

Equipment	Rate
4 Wheeler	\$100/day
Utility Vehicle (Mule)	\$150/day

Updated 12/05/2019

Revised per Williamson County comments 03/02/2020

**EXHIBIT D – RATE SCHEDULE
WILLIAMSON COUNTY - SMALL MAINTENANCE PROJECTS
M&S ENGINEERING**

Raba Kistner Consultants, Inc.

Principal.....	\$ 220.00
Senior Geotechnical Engineer.....	\$ 195.00
Project Manager	\$ 185.00
Geotechnical Engineer.....	\$ 165.00
Engineer in Training.....	\$ 135.00
Geologist	\$ 120.00
Geotechnical Logger.....	\$ 110.00
CADD Technician.....	\$ 95.00
Senior Geotechnical Engineering Technician.....	\$ 80.00
Geotechnical Laboratory Technician.....	\$ 75.00
Geotechnical Engineering Technician.....	\$ 70.00
Admin/Clerical.....	\$ 60.00

Direct Expenses

8 ½” x 11” b/w Paper Copies.....	\$ 0.21 per page
11” x 17” b/w Paper Copies.....	\$ 0.31 per page
8 ½” x 11” color Paper Copies.....	\$ 0.38 per page
11” x 17” color Paper Copies.....	\$ 0.45 per page
Drill Rig Mobilization (min charge).....	\$ 495.00 each
Drill Rig Mobilization.....	\$ 6.50 per mile
Logger Truck	\$ 0.85 per mile
Drilling & Sampling (Cohesive/Granular Soils)....	\$ 19.50 per ft
Hollow Stem Drilling (Granular Soils)....	\$ 28.00 per ft
Drilling & Sampling (Soft Rock - Limestone).....	\$ 35.00 per ft
Drilling & Sampling (Hard Rock - Limestone).....	\$ 42.00 per ft
Texas Cone Penetrometer.....	\$ 25.00 per test
Standard Penetration Testing.....	\$ 20.00 per test
Bentonite Backfill.....	\$ 3.50 per ft
Driller Standby	\$ 195.00 per hour
Traffic Control	\$ 3,000.00 per day
Lab Testing (Moisture Content).....	\$ 15.00 per test
Lab Testing (Atterberg Limit).....	\$ 105.00 per test
Lab Testing (Percent Passing No. 200 Sieve) ...	\$ 58.00 per test
Lab Testing (Sieve Analysis)	\$ 85.00 per test
Lab Testing (Hydrometer)	\$ 355.00 per test
Lab Testing (Corrosivity: Chloride,pH,Resisitvity)	\$ 175.00 per test
Lab Testing (Unconfined Compression –Soil).....	\$ 32.00 per test
Lab Testing (Unconfined Compression – Rock)...	\$ 38.00 per test
Lab Testing (Sulfate Testing).....	\$ 98.00 per test
Lab Testing (Lime Series Curve)	\$ 410.00 per test

EXHIBIT D – RATE SCHEDULE
WILLIAMSON COUNTY - SMALL MAINTENANCE PROJECTS
M&S ENGINEERING

Lab Testing (Moisture/Density Test).....	\$ 295.00 per test
Lab Testing (Resilient Modulus)	\$ 1,800.00 per test
Lab Testing (California Bearing Ratio Test).....	\$ 185.00 per test

EXHIBIT D – RATE SCHEDULE

Consultant Firm Name:

Prime or Sub:

Cox McLain Envl. Cons.
Sub

Discipline	Proposal - Initial Year
	Base Rate (\$/HR)
Principal-in-Charge	\$ 165.00
Project Manager	\$ 150.00
Senior GIS Operator	\$ 95.00
GIS Operator	\$ 85.00
GIS Technician	\$ 75.00
Senior Geologist	\$ 110.00
Geologist	\$ 90.00
Senior Environmental Planner	\$ 130.00
Environmental Planner IV	\$ 110.00
Environmental Planner III	\$ 95.00
Environmental Planner I/II	\$ 85.00
Senior Environmental Scientist	\$ 110.00
Environmental Scientist IV	\$ 95.00
Environmental Scientist III	\$ 85.00
Environmental Scientist I/II	\$ 75.00
Senior Biologist	\$ 110.00
Biologist IV	\$ 95.00
Biologist III	\$ 85.00
Biologist I/II	\$ 75.00
Senior Archeologist-Principal Investigator	\$ 110.00
Archeologist IV	\$ 95.00
Archeologist III	\$ 85.00
Archeologist I/II	\$ 75.00
Senior Field Tech (Envrionmental, Biological, Archeological)	\$ 55.00
Field Tech (Envrionmental, Biological, Archeological)	\$ 45.00
Senior Architectural Historian	\$ 115.00
Architectural Historian	\$ 90.00
Environmental Inspector	\$ 85.00
Admin/Clerical	\$ 65.00

EXHIBIT D – RATE SCHEDULE



Hourly Rates

Title	Hourly Rate
Project Manager	\$162.25
Project Professional	\$83.64
Administration Specialist	\$55.42

EXHIBIT D – RATE SCHEDULE

Williamson County

Kimley-Horn & Associates, Inc.	
Direct Labor	
CATEGORY	RATE
Senior Engineer I / Senior Professional I	\$210.00
Senior Engineer II / Senior Professional II	\$255.00
Professional	\$165.00
Analyst	\$145.00
Senior Designer	\$150.00
CAD Technician	\$115.00
Senior Support Staff	\$110.00
Support Staff	\$95.00
DIRECT EXPENSES	
Postage & shipping (metered/bulk) / month	at cost
Materials and Shipping / per package	at cost
Overnight Mail - oversized box / each	at cost
Courier Services / each	\$40.00
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	\$2.50
Plots (B/W on Bond) / square foot	\$1.00
Plots (Color on Bond) / square foot	\$2.00
Plots (Color on Photographic Paper) / square foot	\$5.50
Color Graphics on Foam Board / square foot	\$5.50
Presentation Boards up to 48" X 60" Color Mounted / each	\$75.00
Outside Printing - Reports (Includes labor and supplies) / each report	\$50.00
Report Binding and Tabbing (Includes labor and supplies) / each	\$10.00
Reproduction of CD/DVD / each	\$30.00
CDs/DVDs / each	\$2.00
Cardstock Color (8 1/2" x 11") / each	\$2.00
4" X 6" Digital Color Print / picture	\$0.50