

WORK AUTHORIZATION NO. 2

PROJECT: On Call Professional Engineering Services

This Work Authorization is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated January 17, 2017 and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Steger Bizzell Engineering, 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 \$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 September 30, 2017. 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:

Steger Bizzell Engineering, Inc.

By: _____

Signature

Patrick Stevens

Printed Name

Vice President

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

See attached.

Attachment B
Services to be Provided by Engineer
Work Authorization #2
On-Call Professional Engineering Services

General Description of Project:

This project consists of on-call professional engineering services to support the Williamson County Road & Bridge department, relating to hydrologic and hydraulic ("H&H") design and analysis. Locations are unknown and may be anywhere within unincorporated areas of Williamson County. Work may include, but is not limited to:

1. Visit with landowners to clearly determine the condition that is of concern.
2. Prepare an existing-conditions H&H model.
 - a. Watershed delineation, stormwater routing, land use and soil type determination, time of concentration calculation, selection of an appropriate hydrologic calculation method, preparation of peak stormwater runoff rates, and selection of an appropriate design frequency.
3. Evaluate modeled impacts with respect to the reason for the study (i.e. condition that triggered the citizen complaint).
4. Review the existing-conditions model results with County staff.
5. Develop a preliminary solution to mitigate the identified adverse impact.
6. Prepare a proposed-conditions H&H model.
7. Review the proposed-conditions model results with County staff.
8. Prepare a report that documents the need for the study, the existing model assumptions and inputs, the results of the existing model, the proposed solution and design criteria, and the proposed model results.
9. Design a solution that can be let for construction.

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: FLOODPLAIN MODELING
- TASK 8: FINAL ENGINEERING
- TASK 9: BIDDING PHASE SERVICES
- TASK 10: CONSTRUCTION PHASE SERVICES
- TASK 11: HYDROLOGIC AND HYDRAULIC ("H&H") SERVICES

Attachment C - Work Schedule

Steger Bizzell Engineering, Inc. shall provide a work schedule for the assigned tasks. Work shall begin immediately upon receipt of agreement between County and Steger Bizzell Engineering, Inc. on the work schedule and authorization to proceed on assigned services.

Attachment D - Fee Schedule

See attached.



Rate Schedule

Effective June 26, 2014

(All Rates Per Hour)

Engineer (Principal)	\$233.00
Senior Engineer	\$216.00
Engineer (P.E.)	\$161.00
Project Manager	\$216.00
Engineer in Training (EIT)	\$133.00
Graduate Engineer	\$128.00
Senior Technician	\$128.00
GIS Technician	\$105.00
Design Technician	\$105.00
CADD Technician/ Draftsman	\$100.00
Survey Technician/ Draftsman	\$100.00
Registered Surveyor	\$134.00
Surveyor in Training (SIT)	\$105.00
1 Man Survey	\$145.00
2 Man Survey Party	\$160.00
3 Man Survey Party	\$175.00
Field Inspector	\$ 90.00
Clerical	\$ 72.00
Student Technician	\$ 33.00

Mileage

Current IRS Rate

Note: Expert Witness Fees are billed at 1.5 times the hourly rate.

ADDRESS

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FAX

512.930.9416

WEB

STGERBIZZELL.COM

TEXAS REGISTERED ENGINEERING FIRM F-181

SERVICES

>> ENGINEERS

>> PLANNERS

>> SURVEYORS

MICHAEL BAKER INTERNATIONAL HOURLY RATES

Clerical	\$74.00
CADD Technician	\$100.00
Engineer In Training	\$120.00
Design Engineer (5-9 years)	\$140.00
Project Engineer (10-14 years)	\$175.00
Senior Engineer (15 years +)	\$200.00
Deputy Project Manager	\$220.00
Environmental Associate	\$75.00
Environmental Specialist	\$125.00
Senior Environmental Specialist	\$166.00

CORSAIR HOURLY RATES

Senior Project Manager	\$180.00
Senior Engineer	\$166.00
Quality Manager	\$166.00
Project Engineer	\$104.00
Field Engineer	\$100.00
Engineer in Training	\$90.00
Senior Engineering Technician	\$100.00