

WORK AUTHORIZATION NO. 1

PROJECT: On Call Professional Engineering Services for Small Drainage and Roadway Projects

This Work Authorization is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated March, 2018 and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Pape-Dawson Engineers, 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 \$150,000.

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, 2018. 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:

Pape-Dawson Engineers, Inc.

COUNTY:

Williamson County, Texas

By: _____

Signature

By: _____

Signature

Printed Name

Dan Gattis

Printed Name

Title

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

PAPE- DAWSON

Classification	Rate
Vice President	\$ 285.84
Sr. Manager	\$ 186.46
Principal Engineer	\$ 247.28
Project Manager	\$ 150.37
Project Engineer	\$ 122.08
Project Surveyor	\$ 140.76
Assistant Manager	\$ 133.81
Designer	\$ 104.05
EIT	\$ 104.05
GIS Analyst	\$ 87.55
Sr. Env/Sci/Geo/Arch	\$ 154.43
Project Env/Sci/Geo/Arch	\$ 109.80
Staff Env/Sci/Geo/Arch	\$ 72.54
Project Coordinator	\$ 116.75
Technician	\$ 75.56
Clerical	\$ 77.35
Survey Crew (4 person) with equipment	\$ 234.55
Survey Crew (3 person) with equipment	\$ 193.68
Survey Crew (2 person) with equipment	\$ 152.81

Gorrondona Associates, Inc.

Employee Type	Rate
Project Manager	\$ 176.79
Project Engineer	\$ 140.24
Design Engineer	\$ 116.60
Engineer in Training	\$ 90.46
Engineer Tech	\$ 89.05
Junior Engineer Tech	\$ 88.20
Admin	\$ 52.92

The Rios Group, Inc.

Job Classification	Rate
Project Manager	\$ 204.90
Senior Engineer	\$ 190.27
Project Engineer	\$ 161.00
Design Engineer	\$ 131.72
Senior CADD Operator	\$ 102.45

CADD Operator	\$ 81.96
Junior CADD Operator	\$ 67.33
Senior Utilities Coordinator	\$ 161.00
Utilities Coordinator	\$ 117.09
Admin/Clerical	\$ 70.25

EXHIBIT D - FEE SCHEDULE
OTHER DIRECT EXPENSES

Client:
Contract #:
ID or SD:
Consultant Firm:
Prime or Sub:
Consultant PM:
Client PM:
Discipline:

Williamson County
12711206
ID
Page-Dawson Engineers, Inc.
Prime
Howard L. Lyons, P.E.
Kon Kwan, P.E.
PS&E

Other Direct Expenses	Unit	Max Rate	Fixed/Max	Fixed	Maximum
TRAVEL					
Mileage	mile	Current State Rate	F		\$35.00
Parking	day		M		
Toll Charges	each		M		\$4.00
ADMINISTRATIVE					
Standard Postage	letter	Current Postal Rate	F		
Certified Letter Return Receipt	each	Current Postal Rate	F		
Overnight Mail - letter size	each	Current Postal Rate	M		\$0.00
Overnight Mail - oversized box	each	Current Postal Rate	M		\$0.00
Courier Services	each		M		\$30.00
Photocopies B/W (11" X 17")	each		F	\$0.25	
Photocopies B/W (8 1/2" X 11")	each		F	\$0.15	
Photocopies Color (11" X 17")	each		F	\$1.25	
Photocopies Color (8 1/2" X 11")	each		M		\$0.75
Digital Ortho Plotting	sheet		M		\$1.90
Plots (B/W on Bond)	per sq. ft.		M		\$1.00
Plots (Color on Bond)	per sq. ft.		F	\$1.75	
Color Graphics on Photographic Paper	per sq. ft.		F	\$4.50	
Presentation Boards 30" X 40" Color Mounted	square foot		F	\$7.50	
Report Printing	each		M		\$10.00
Report Binding and tabbing	each		M		\$50.00
Reproduction of CD/DVD	each		M		\$5.00
CDs	each		M		\$4.00
4" X 6" Digital Color Print	picture		F	\$1.75	
ENVIRONMENTAL					
TX Parts & Wildlife Data Request Fees	each		F	\$0.45	
Hazardous Materials Database Search	each		M		\$70.00
Noise Meter Rental	per search		M		\$350.00
Environmental Field Supplies (lathes, stakes, flagging, spray paint, etc.)	per project		M		\$250.00
Curator (Drawer & TX Archaeological Research Lab for artifacts & report)	day		M		\$40.00
Newspaper Advertisement	per project		F	\$40.00	
Court Reporter	per publication		M		\$5,500.00
Court Reporter (Public Meetings, Hearings & Transcription)	page		M		\$10.00
Translator (English to Spanish, other language as appropriate, or Sign Language) for Public Involvement	day		M		\$700.00
Translator (English to Spanish, other language as appropriate, or Sign Language)	event		F	\$600.00	
Custodian for Public Involvement	hour		M		\$100.00
Sound Technician for Public Involvement	hour/custodian		M		\$65.00
Public Involvement Facility Rental (estimate)	event		M		\$400.00
Public Involvement Facility Rental (estimate)	4 hours		M		\$800.00
Public Involvement Facility Rental (estimate)	8 hours		M		\$2,500.00
Public Involvement Facility Rental	hour		M		\$400.00
Audio - Equipment Rental	event		M		\$10,000.00
Audio - Visual Equipment Rental	each		M		\$400.00
Public Notices - Mass Mailing (500 pieces)	event		M		\$450.00
Public Involvement Design for palm cards, flyers, newsletters	per mailing		M		\$500.00
	hour		F	\$100.00	

RATES SHOWN APPLY TO PRIME PROVIDER AND ALL SUBPROVIDERS

EXHIBIT D - FEE SCHEDULE
OTHER DIRECT EXPENSES

Client:
Contract #:
ID or SP:
Consultant Firm:
Prime or Sub:
Consultant PM:
Client PM:
Discipline:

Williamson County
1713.206
ID
Pape Dawson Engineers, Inc.
Prime
Howard L. Lyons, P.E.
Kon Kwan, P.E.
PS&E

Other Direct Expenses	Unit	Max Rate	Fixed/Max	Fixed	Maximum
Public Involvement Printing for palm cards, flyers, newsletters	each		F	\$1.00	
Public Involvement Meetings Supplies	per meeting		F	\$150.00	
Postcard Postage	each	Current Postal Rate	F		
Environmental Database Search	per project				\$900.00
H&I					
FEMA FIS (Manual)	each		M		\$5.00
FEMA FIS Backup Data Request	each		M		\$325.00
FEMA Map Revision Submittal (CLOMP/LOMP) (Submittal Fee Only)	each		F	\$8,250.00	
FEMA Model/Floodplain Hardcopy	each		F	\$250.00	
Boat with Motor	day		M		\$300.00
Fathometer	day		M		\$90.00
Site/Pavement Forensics	day		M		\$1,500.00
Backhoe Rental	day		M		\$8,000.00
Barge Rental for Off Shore Drilling	day		M		\$22,000.00
Mobilization and Demobilization Barge for Submerged Areas	each		M		\$8,000.00
Crane Assembly/Disassembly Barge	day		M		\$300.00
Interior pipe wall condition video (equipment only) (for small pipe from 12" to 24" in diameter)	day		M		\$600.00
Interior pipe wall condition video (equipment only) (for pipe larger than 24" in diameter)	day		M		\$1,200.00
Ground Penetrating Radar	hour		M		\$135.00
Traffic Control					
Railroad - Flagger (Service provided by RR)	hour		M		\$3,500.00
Railroad - Insurance in addition to STD Minimum Required (Minimum coverage of \$1 Million required by RR.)	each	Actual Cost	M		\$6,000.00
Railroad - Permit (Note: Read and then delete this note. Most railroad companies charge a fee of \$500 for the permit to access their property.)	each		M		\$350.00
Railroad - Safety Training (If required - Heavy Rail Safety Training Certificate, includes classroom training and employee certification card.)	Per Person		M		\$5,500.00
Traffic Control Services: Arrow Boards and Attenuator Trucks - Large Project (Includes labor, equipment and fuel)	day		M		\$3,000.00
Traffic Control Services: Arrow Boards and Attenuator Trucks - Medium Project (Includes labor, equipment and fuel)	day		M		\$2,200.00
Traffic Control Services: Arrow Boards and Attenuator Trucks - Small Project (Includes labor, equipment and fuel)	Day		M		\$1,200.00
Attenuator trucks - (Lane/Shoulder Closure) (Includes labor, equipment and fuel)	day		M		\$950.00
Attenuator trucks - (No Lane Closure) (Includes labor, equipment and fuel)	day		F	\$750.00	
Flashing Arrow Board	day		M		\$750.00
Portable Message Board	day		M		\$125.00
Law Enforcement/Uniform Officer (Including vehicle)	Hour		M		\$1,000.00
Required Permit Fees (non-railroad)	each		M		
Survey					
GPS Receiver (rates applied to actual time GPS units are in use)	hour		F	\$30.00	
GPS RTK (rates applied to actual time GPS units are in use)	hour		F	\$30.00	
GPS Static (rates applied to actual time GPS units are in use)	hour		F	\$30.00	
Map Records	sheet		M		\$4.00
Deed Copies	sheet		F	\$2.00	
Certified Deed Copies	sheet		F	\$5.00	
Plat Copies	sheet				\$4.00

EXHIBIT D - FEE SCHEDULE
OTHER DIRECT EXPENSES

Client:
Contract #:
ID or SD:
Consultant Firm:
Prime or Sub:
Consultant PM:
Client PM:
Discipline:

Williamson County
1711-206
HD
Pape-Dawson Engineers, Inc.
Prime
Howard L. Lyons, P.E.
Kon Kwan, P.E.
PS&E

Other Direct Expenses		Unit	Max Rate	Fixed/Max	Fixed	Maximum
Historical Aerial Images		unit		M		\$150.00
Aerial Photographs (1" = 500' scale)		each		M		\$150.00
Rephotographs		per sq. ft.		M		\$5.00
Terrestrial Laser Scanner (rates applied to actual time scanner unit is in use)		Hour		M		\$250.00
Ground Target (includes paint, panel material, etc.)		Each		M		\$27.50
Helicopter Equipment LIDAR - Project Flight Miles (On project flight miles)		per mile		M		\$55.00
Helicopter Equipment LIDAR - Transit Miles (including turn, maneuver miles and local airport to project)		per mile		M		\$10.00
Fixed Wing Airborne LIDAR - Project Flight Miles (On project flight miles)		per mile		M		\$20.00
Fixed Wing Airborne LIDAR - Transit Miles (including turn, maneuver miles and local airport to project)		per mile		M		\$8.00
Aerial Photography - Airborne GPS/IMU Data collection/Processing		Per Project		M		\$2,250.00
Aerial Photography - Project Flight Miles (On project flight miles)		Per Mile		M		\$25.00
Aerial Photography - Transit miles (including turn, maneuver miles and local airport to project)		Per Mile		M		\$7.00
Photo Lab Service - Black and White Processing (film, development, scanning)		Per Frame		F		\$18.00
Photo Lab Service - Color Processing (film, development, scanning)		Per Frame		F		\$28.50
Photo Lab Service - Digital Image processing		Per Frame		F		\$26.00
Photo Lab Service - Enlargements, lamination, Mounting		per sq. ft.		F		\$6.00
Mobilization for LIDAR Mobile Mapping Vehicle (travel to project)		per mile				\$5.00
Hydrographics Sonar Equipment		day				\$500.00
Datum Point Rod Setting (3/4" aluminum rod driven to refusal, normally with a power driver with a datum point and a floating datum cap, in a 12-14" diameter hole 3-1/2 deep, encased by a PVC pipe, backfilled with sand with an access cap, (includes One Call, equipment, rentals, and materials) TXDOT Survey Manual Fig. C-7).		each				\$300.00



Garver Hourly Rate Schedule: July 2017 - June 2018

Classification	Rates
Engineers / Architects	
E-1: EIT.....	\$ 102.00
E-2: Engineer.....	\$ 118.00
E-3: Design Engineer.....	\$ 142.00
E-4: Project Engineer.....	\$ 166.00
E-5: Senior Project Engineer.....	\$ 203.00
E-6: Engineering Specialist/Project Manager.....	\$ 254.00
E-7: Senior Project Manager.....	\$ 337.00
Designers	
D-1: Designer/Environmental Scientist I.....	\$ 95.00
D-2: Designer/Environmental Scientist II.....	\$ 111.00
D-3: Senior Designer/Environmental Scientist.....	\$ 132.00
Technicians	
T-1: Intern.....	\$ 74.00
T-2: Technician.....	\$ 94.00
T-3: Senior Technician.....	\$ 114.00
Management/Administration	
X-1: Administrative Asst./ Admin Intern.....	\$ 58.00
X-2: Administrative Assistant.....	\$ 79.00

Agreement for Professional Services

**Williamson County
Small Drainage & Roadway Project Design Contract**

**SUE UNIT PRICES & FIELD CREW HOURLY RATES
THE RIOS GROUP, INC.**

1. Utility Designation/ Investigation/ Mapping Services Unit Prices

Price includes all associated costs including but not limited to designation, engineering, survey, CADD and traffic control. 1,000 linear foot minimum, otherwise hourly rates for designating crew are used.

Price per linear foot:	\$1.60/lf
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2. Subsurface Utility Location (Test Hole) Services Unit Prices

Price includes all associated costs including but not limited to vacuum excavation, engineering, survey, CADD and limited traffic control. Traffic control plans and signs/ barricades are separate. Assumes benchmark provided, standard workweek.

Price per test hole:	0 feet to 5 feet	\$1,155.00 ea
	Over 5 feet to 8 feet	\$1,475.50 ea
	Over 8 feet to 13 feet	\$1,785.00 ea
	Over 13 feet to 20 feet	\$2,310.00 ea
	Over 20 feet	\$2,875.50 ea
	Pavement Coring	\$350.00 ea

Note: Depth will be determined from surface to the bottom of the utility.

3. Mobilization/ Demobilization Unit Prices

Price includes the cost to mobilize and demobilize personnel and equipment to/from the project site. This is a one time cost per project assignment.

Vacuum excavation truck:	\$4.50/mile
Utility Designating vehicle:	\$2.50/mile

Note: All rates include equipment and personnel travel time.

4. Miscellaneous Expenses Unit Prices

Required Permit Fees:	at cost
Designed Traffic Control Plan	at cost
Traffic Control: Lane Closures, Detours, Flagging:	at cost
Special select backfill/pavement restoration:	at cost
Reproducibles beyond normal requirements:	at cost
Other SUE related activities:	at cost

5. Hourly Field Crew Rates

FIELD PERSONNEL HOURLY SERVICE:	Hourly Rate
One Designating Person w/ Equipment	\$160.00/hr
Two Person Designating Crew w/ Equipment	\$240.00/hr
Three Person Locating Crew w/ Excavation Vehicle	\$335.00/hr