



WORK AUTHORIZATION NO. 3

**WILLIAMSON COUNTY ROAD BOND PROJECT:
CR 176 at RM 2243**

This Work Authorization is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated February 23, 2016 and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and WSB & Associates, 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 \$33,705.

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 31, 2020. 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. This Work Authorization is hereby accepted and acknowledged below.

IN WITNESS WHEREOF, the County and the Engineer have executed this Supplemental Work Authorization, in duplicate, to be effective as of the date of the last party's execution below.

ENGINEER: WSB & Associates

By: _____

Signature

James Kennedy

Printed Name

Vice President

Title

9-25-19

Date

COUNTY:

By: _____

Signature

Bill Gravell Jr.

Printed Name

Williamson County Judge

Title

10/11/19

Date

OK
my 9/26/2019

LIST OF ATTACHMENTS

Attachment B - Services to be Provided by Engineer

Attachment C - Work Schedule

Attachment D - Fee Schedule

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County Road 176
RM 2243 to Parkside Parkway
Williamson County, TX

ATTACHMENT B

SERVICES TO BE PROVIDED BY ENGINEER

SCOPE OF SERVICES

GENERAL

The project Scope of services for WA#3 consists of professional services required to provide for design and permitting as needed for construction of a shared use path along the CR 176 corridor. The following additional services will be provided.

I. PROJECT MANAGEMENT

The ENGINEER will provide project management services including the following:

A. Provide Project Administration and Controls.

1. Prepare and submit a monthly invoice package, which shall include the Engineer's invoice, subconsultant invoices, and a project development status report. All subconsultant invoices will be reviewed for accuracy prior to submission. The Engineer will submit monthly progress status reports to the GEC. Progress reports will include: tasks completed, tasks/objectives that are planned for upcoming periods, lists or descriptions of items or decisions needed from the County and its representatives. A copy of the monthly progress report will be uploaded to Projectwise.
2. The engineer will manage project activities (including documenting emails, phone and conference calls, maintain project files for the length of the project, meeting agendas, meeting minutes, and schedule meetings), direct Engineer's team/staff, correspond with County and its representatives, and assist the County and its representatives in preparing responses to Project-related inquiries.
3. Coordinate and communicate with Client.
4. Coordinate and communicate with project team and subconsultants.
5. Coordinate and communicate with project stakeholders including Williamson County, TxDOT, and contractor.
6. Coordinate and communicate with TDLR/ RAS.

II. PLANS, SPECIFICATIONS & ESTIMATES (PS&E)

A. Develop design details as needed for shared use path (SUP) including:

1. SUP Plan Sheets and related design.
 1. Develop typical section of SUP. SUP structure based on details provided by Williamson County.
 2. Determine limits of vegetative filter strip (VSF) required to meet TCEQ WPAP requirements.
 3. Develop plan sheet showing limits of SUP, VSF, and HAL data.
 4. Develop plan sheet with profile for SUP. Profile to be based on proposed SUP elevations at 100' spacing.
 5. Develop table of cross slopes at 100' spacing (to be included on profile sheet).
 6. Develop intersection pedestrian detail sheet including pedestrian ramps and cross walks (if needed) at 2243, CR 176-A, and Parkside Parkway intersections.
 7. Develop plan sheet showing limits of temporary and permanent erosion control.
 8. Develop cross sections showing cross slope and VFS. Use cross sections to develop excavation and embankment quantities. Cross sections to be available to contractor as electronic roll plot.
 9. Calculate quantities/develop summaries for earthwork, SUP structure, seeding, topsoil, watering, pedestrian ramps, and erosion control.
 10. Respond to / address comments from GEC, TCEQ, RAS, and TDLR reviews.

IV. TCEQ PERMITTING

1. Develop Exception submission documents.
2. Submission meeting with TCEQ.
3. Remit Exception review fee.

SERVICES NOT INCLUDED:

1. Design details or calculations related to any drainage improvements under SUP – all design based on sheet flow over SUP with no drainage structures.
2. TCEQ permit fees other than Exception review fee.
3. RAS review, approval, or permitting fees.
4. Any additional bidding, or contract development efforts; - all work to be performed as a change-order by contractor currently under contract on CR 176 at RM 2243 project.
5. Any additional environmental coordination and or permitting.
6. Geologic Assessment; Scope presumes GA previously completed is sufficient for permitting.
7. Collection of survey data.

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ATTACHMENT C

PROJECT SCHEDULE

- Date of NTP is presumed to be 10/15/2019. If NTP is advanced or delayed, the following schedule will be equally advanced or delayed.
- Draft review plan sheet submission package transmitted to GEC for review and comment – 11/08/19
- Comments received – 11/15/19
- Comments addressed, final plan sheets submitted for GEC review - 11/22/19
- Request for TCEQ submission appointment – 11/22/19
- Comments received – 11/27/19
- Comments addressed, final sealed plan sheets submitted for permitting/use – 12/04/19

Schedule includes numerous elements that can potentially affect proposed schedule and are beyond the control of the engineer. Delays based on Agency controlled schedules are not predictable or included in this schedule.

ATTACHMENT D											Williamson
WA #3											County
WSB & Associates, Inc											
PROJECT: Preparation of PS&E											DATE: Sept 19, 2019
TASK AND DESCRIPTION											Sheet 1/1
	No. Sheets	Hours /Sheet	PROJECT MANAGER HOURS	Hours /Sheet	SENIOR ENGINEER	Hours /Sheet	SENIOR TECH HOURS	Hours /Sheet	CADD TECH HOURS	Direct Expenses	TOTAL HOURS
I. PROJECT MANAGEMENT											
1. Prepare monthly invoice package			5								5
2. Manage Project Activities			5								5
3. Coordinate With Client			2								2
4. Coordinate with TDLR			0								0
5. Coordinate with stakeholders			2								2
											0
											0
SUBTOTAL			14		0		0		0		14
II. PS&E PREPARATION											
1. Develop Typical Section					3		7				10
2. Develop TCEQ compliant design details					12		24		0		24
3. Develop plan view sheet of proposed SUP with HAL data					3		7		0		10
4. Develop Profile design tabular data sheet					3		7				10
5. Develop plan sheet with table of cross slopes					4		8		0		10
6. Develop intersection and pedestrian detail sheet					3		7				10
7. Develop temporary and permanent erosion control plan sheet					3		7				10
8. Develop cross sections on PDF roll plot					24		40				64
9. Calculate and tabulate quantities					6		6				12
10. Address review comments from DEC, TCEQ, RAS, TDLR					12		20				32
SUBTOTAL					73		119				192
IV. TCEQ PERMITTING											
1. Develop Exception Submission package					16		8				24
2. Submission meeting with TCEQ					4					\$500.00	4
3. Submit TCEQ Exception Fee											
SUBTOTAL					20		8		0	\$500.00	28
PROJECT TOTALS											
			14		93		127		0	\$500.00	234
TASK AND DESCRIPTION											
			PROJECT MANAGER		SENIOR ENGINEER		SENIOR TECH		CADD TECH		TOTAL
	HOURLY RATE		\$175.00		\$160.00		\$125.00		\$50.00		
TOTAL PROJECT LABOR			14		93		127		0		234
TOTAL LABOR COST			\$2,450		\$14,880		\$15,875		\$0	\$500	\$33,705