

**SUPPLEMENTAL WORK AUTHORIZATION NO. 5**  
**TO**  
**WORK AUTHORIZATION NO. 3**

**WILLIAMSON COUNTY ROAD BOND PROJECT:**  
**Hairy Man Road/Brushy Creek Road Traffic Study (Project # P284)**

This Supplemental Work Authorization No. 5 to Work Authorization No. 3 is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated September 18, 2014 ("Contract") and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Atkins North America, Inc. (the "Engineer").

WHEREAS, the County and the Engineer executed Work Authorization No. 3 dated effective May 1, 2017 (the "Work Authorization");

WHEREAS, pursuant to Article 14 of the Contract, amendments, changes and modifications to a fully executed Work Authorization shall be made in the form of a Supplemental Work Authorization; and

WHEREAS, it has become necessary to amend, change and modify the Work Authorization.

**AGREEMENT**

NOW, THEREFORE, premises considered, the County and the Engineer agree that the Work Authorization shall be amended, changed and modified as follows:

- I. The Services to be Provided by the Engineer that were set out in the original Attachment "B" of the Work Authorization are hereby amended, changed and modified as shown in the attached revised Attachment "B" (must be attached).
- II. The Work Authorization shall terminate on September 30, 2020. The Services to be Provided by the Engineer shall be fully completed on or before said date unless extended by an additional Supplemental Work Authorization. The revised Work Schedule is attached hereto as Attachment "C" (must be attached).
- III. The maximum amount payable for services under the Work Authorization is hereby increased from \$901,669.50 to \$932,335.50. The revised Fee Schedule is attached hereto as Attachment "D" (must be attached).

Except as otherwise amended by prior or future Supplemental Work Authorizations, all other terms of the Work Authorization are unchanged and will remain in full force and effect.

This Supplemental Work Authorization does not waive the parties' responsibilities and obligations provided under the Contract.

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:**

By: James Lowe  
Signature

James Lowe  
Printed Name

Division Manager  
Title

6/15/2020  
Date

**COUNTY:**

By: Bill Gravell Jr.  
Signature

Bill Gravell Jr.  
Printed Name

County Judge  
Title

6/30/2020  
Date

**LIST OF ATTACHMENTS**

Attachment B - Services to be Provided by Engineer

Attachment C - Work Schedule

Attachment D - Fee Schedule

mm  
06/16/2020

Hairy Man Road/Brushy Creek Road Traffic Study Scope (Project # P284)  
Supplemental Work Authorization No. 5 to  
Work Authorization No. 3  
Attachment B – Services to be Provided by Engineer

## Objective

The objective of this Hairy Man Road/Brushy Creek Road work authorization is to prepare the Plans, Specifications and Estimates (PS&E) package and associated environmental and geotechnical studies for the Brushy Creek Road/Hairy Man Road Shoulder and Turn Lane Improvements.

## Project Description

The project limits are Hairy Man Road/Brushy Creek Road from the Brushy Bend Drive low water crossing to Sam Bass Road. Hairy Man Road/Brushy Creek Road is currently a 2-lane undivided facility with narrow to no shoulders within the project limits. This project will provide 2' shoulders within the entire project limits and add left turn lanes for the parking lots at Olson Meadows Park and Creekside Park.

## Service to be performed

The following scope of work identifies the major components of this SWA No. 5 to WA No. 3.

### Task 5 – PS&E Development

#### A. Roadway

- Update PS&E in order to reduce the number of trees to be removed by the project. This will include:
  - i. 1.5' alignment shift and reduce lane width to 11' through canopy area near station 245+00.
  - ii. Update cover sheet
  - iii. Update project layout sheets
  - iv. Update horizontal data sheets
  - v. Update typical sections
  - vi. Update general notes basis of estimate
  - vii. Update quantities
  - viii. Update tree removal sheets to reflect trees that will no longer be specified to be removed based on alignment shift at canopy area, slope modifications, and drainage revisions from 286+00 to 287+00.
  - ix. Update roadway plan and profile sheets
  - x. Update signing & pavement markings
  - xi. Update cross-sections
  - xii. Update cost estimate
  - xiii. Update bid form and design consultant form
- Prepare 100% PS&E Submittal package

**Deliverables:** 100% PS&E submittal package

Hairy Man Road/Brushy Creek Road Traffic Study Scope (Project # P284)  
 Supplemental Work Authorization No. 5 to  
 Work Authorization No. 3  
 Attachment C – Work Schedule

<u>Milestone</u>	<u>Task Description</u>	<u>Begin Date</u>	<u>End Date</u>
NTP :		5/4/2017	
Task 1:	Project Management	5/4/2017	9/30/2020
Task 2:	Data Collection	5/4/2017	6/1/2017
Task 3:	Environmental Studies	5/30/2017	3/31/2019
Task 4:	Survey	6/1/2017	8/31/2019
	Williamson County Acquire ROE	5/1/2017	3/6/2018
	Topographic and Tree Survey	6/22/2017	5/31/2018
	Land Title Surveys	2/16/2018	8/31/2019
Task 5:	PS&E Development	5/4/2017	5/31/2020
	30% PS&E	5/4/2017	9/5/2017
	60% PS&E	9/6/2017	2/14/2018
	90% PS&E	2/15/2018	7/19/2018
	100% PS&E	7/20/2018	7/31/2020
	WPAP	9/6/2017	12/13/2019
Task 6:	Geotechnical/Pavement Design	10/16/2017	1/30/2018

**HAIRY MAN RD/BRUSHY CREEK RD TRAFFIC STUDY (Project # P284)****Supplemental Work Authorization No. 5****Work Authorization No. 3****Attachment D - Fee Schedule**

TASK	Atkins	Total Labor Cost
Atkins North America, Inc., Inc.		
<b>5. PS&amp;E Development</b>		
A. Roadway	\$ 30,666.00	\$ 30,666.00
<b>LABOR COST:</b>	<b>\$ 30,666.00</b>	<b>\$ 30,666.00</b>
<b>TOTAL DIRECT EXPENSES COST:</b>	<b>\$ -</b>	<b>\$ -</b>
<b>TOTAL PROJECT COST:</b>	<b>\$ 30,666.00</b>	<b>\$ 30,666.00</b>

**HAIRY MAN RD/BRUSHY CREEK RD TRAFFIC STUDY (Project # P284)**

**Supplemental Work Authorization No. 5**

**Work Authorization No. 3**

**Attachment D - Fee Schedule**

TASK	Hourly Rate:	SHEETS/ UNITS	PRINCIPAL \$ 268.00	SR ADVISOR/ SR PM \$ 245.00	PROJECT MANAGER \$184.00	SR ENGINEER II \$183.00	SR ENGINEER I \$150.00	ENGINEER \$118.00	EIT \$109.00	SR DESIGNER \$120.00	SR CADD OPERATOR \$99.00	CADD OPERATOR \$80.00	SR PLANNER \$165.00	ADMIN \$72.00	Sub Total Hours	Hr/Unit	Labor Cost
Atkins North America, Inc.																	
<b>5. PS&amp;E Development</b>																	
A. Roadway																	
Alignment Shift		1		2		4	8		60						74	74.0	\$ 8,962.00
Cover Sheet		1		1		1	1		2						5	5.0	\$ 796.00
Project Layouts		1		1		1	1		2						5	5.0	\$ 796.00
Horizontal Data		2				1	1		4						6	3.0	\$ 769.00
Typical Sections		3		1		1	1		4						7	2.3	\$ 1,014.00
General Notes		1		1		1	1		4						7	7.0	\$ 1,014.00
Quantities		2				1	1		16						18	9.0	\$ 2,077.00
Removal Sheets		7		1		2	2		8						13	1.9	\$ 1,783.00
Roadway P&P		2		1		2	2		16						21	10.5	\$ 2,655.00
Signing & Pavement Marking		2				1	1		8						10	5.0	\$ 1,205.00
Cross-Sections		20		1		1	2		16						20	1.0	\$ 2,472.00
Cost Estimate		1		1		1	1		8						11	11.0	\$ 1,450.00
Bid Form and Design Consultant Form		1		2		1	8		8						19	19.0	\$ 2,745.00
100% PS&E submittal package		1		2		2	8		8						20	20.0	\$ 2,928.00
																	\$ -
																	\$ -
<b>TOTAL NUMBER OF SHEETS:</b>				14		20	38		164						Column Total = 236		
<b>HOURS:</b>															Row Total = 236		
<b>LABOR COST:</b>			\$ -	\$ 3,430	\$ -	\$ 3,660	\$ 5,700	\$ -	\$ 17,876	\$ -	\$ -	\$ -	\$ -	\$ -			\$ 30,666.00
				5.9%		8.5%	16.1%		69.5%								\$ 30,666.00
<b>DIRECT EXPENSES:</b>																	
		<b>Travel:</b>															
		Mileage							miles	Rate	\$0.575						
		Tolls							each		\$5.00						
		<b>Copies:</b>															
		B&W							each		\$0.10						
		Color (8.5x11)							each		\$2.00						
		Color (11x17)							each		\$3.00						
		Specialty Printing (Newsletter)							each		\$0.75						
		<b>Misc Expenses:</b>															
		Foam Core Mounting							sf		\$50.00						
		Postage							each		\$0.46						
		Courier							each		\$25.00						
		Hazmat Database Search							each		\$1,000.00						
		GPS Rental							day		\$50.00						
		Archeology Curation							drawer		\$810.00						
<b>TOTAL DIRECT COST:</b>															\$ -		
<b>TOTAL PROJECT COST:</b>															\$ 30,666.00		