



SUPPLEMENTAL WORK AUTHORIZATION NO. 4
TO
WORK AUTHORIZATION NO. 1

WILLIAMSON COUNTY ROAD BOND PROJECT:

Neenah Avenue Widening

This Supplemental Work Authorization No. 4 to Work Authorization No. 1 is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated January 26, 2015 ("Contract") and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Stantec Consulting Services Inc. (the "Engineer").

WHEREAS, the County and the Engineer executed Work Authorization No. 1 dated effective March 2, 2015 (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 County that were set out in the original Attachment "A" of the Work Authorization are hereby amended, changed and modified as shown in the attached revised Attachment "A" (must be attached).
- II. 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).
- III. The Work Authorization shall become effective January 1, 2017 and shall terminate on October 31, 2017. 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).
- IV. The maximum amount payable for services under the Work Authorization is hereby increased from \$499,998 to \$572,283. The revised Work 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: [Signature]
Signature

Todd Janssen, P.E.
Printed Name

Senior Principal
Title

4.4.17
Date

COUNTY:

By: [Signature]
Signature

DAN A GATTI
Printed Name

County Judge
Title

04-17-2017
Date

OK/WW
4/12/17

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 THE COUNTY
DESIGN SERVICES FOR Neenah Avenue Widening

The County's and City's support will be critical to the project's success. The project will require frequent and responsive communication with various departments within the County and City to obtain definition of project requirements and concurrence with concepts. The County's project manager will serve as STANTEC's point of contact and will be responsible for coordination with other County departments through the duration of the project. A sustained and coordinated effort from both the County and STANTEC is required to make the project successful. STANTEC will rely upon the County to provide previous studies, maps, design plans and specifications, hydraulic models and calculations, as-built records, planned and master planned development, utility information, and environmental assessments prepared within the project area. STANTEC will also rely upon the County to provide access to and accompany the STANTEC Team's staff to the project site, if needed.

The Project will include coordination with multiple utility agencies owning and operating facilities within the existing rights-of-way (ROW). Coordination with these entities will be critical to the success of the project. STANTEC will rely upon the County to ensure the appropriate staffs from these entities are present at the project kickoff meeting in order to establish a point of contact who will make available requested information, review each milestone submittal, provide comments within the allotted time scheduled, attend the comment review meeting, and respond to technical and coordination questions in a timely manner during the life of the project.

The project also includes coordination with various City of Austin departments for the purposes of addressing tree mitigation comments received during the permitting process. The COUNTY will be responsible for all future coordination with the City of Austin departments concerning the development of tree mitigation plans and clearing comments received during the permitting process concerning tree mitigation requirements. The COUNTY shall provide comment responses to STANTEC for inclusion in the comment response document. The COUNTY shall provide to STANTEC a PDF of the complete tree mitigation plans for inclusion in subsequent plan deliverables to the City of Austin.

ATTACHMENT B
SERVICES TO BE PROVIDED BY THE ENGINEER
DESIGN SERVICES FOR Neenah Avenue Widening

PROJECT DESCRIPTION

Existing Facility

Neenah Avenue is an existing 40-foot wide 2-lane with shoulders, asphalt roadway from east of Olive Hill Drive eastward to the drive entrance to the St. Dominic Savio School drive entrance located in a right-of-way varying in width from 90-feet to 114-feet wide. The project limits include two (2) tee intersections at Altona Way and Solera Drive. The roadway is curbed and runoff is collected in three (3) storm drain systems which convey runoff to one (1) water quality pond and two (2) combination water quality and detention ponds. The project is located over the Edwards Aquifer Recharge Zone.

Proposed Facility

The proposed construction will widen Neenah Avenue along the southern side of the roadway to provide a 5-lane section consisting of two (2) 10-foot wide travel lanes in each direction with a center 11-foot wide two-way left turn lane within the existing right-of-way. The project improvements also include extension of a multiple barrel bridge class culvert under Neenah Avenue, improvements to Water Quality/Retention Pond #2, improvements to the swale along the north side of the roadway, and intersection improvements at Altona Way and Solera Drive. A water pollution abatement plan has been approved by TCEQ for the project. The project also includes construction of an 8-foot wide shared use path on each side of the roadway with an extension further east along the south side of the right-of-way to connect to the existing trail end.

Services to be provided by the Engineer:

1. OFFSITE POND VERIFICATION SURVEY

- a. Prepare a topographic survey to verify upstream detention ponds were constructed in accordance with their design plans. Survey includes the outfall structure and two cross sections through the pond to review the volume.
- b. Review the topographic information provided and compare it to the design plans for the ponds to confirm detention pond volume and outflow structures match design plans closely.
- c. Update the hydrology model to reflect the verified detention pond volume and outflow structures.

2. REVISED EASEMENTS AND SHARED USE PATH ALIGNMENT

The following design services were excluded from the original design scope but have been required for the project design.

- a. Revisions to easement documents requested by the County.

- b. Revisions to shared use path alignment to remove easements.
- c. Revisions to the signage and pavement marking plans for the transition to the divided roadway section east of the original project limits. The CAD files provided by Williamson County did not reflect the most current pavement marking configuration, and do not match the existing pavement markings in the field. This task is to update the pavement markings and revise the drawings to reflect current field conditions, and updating the transition design.

3. ILA DELAYS AND CITY OF AUSTIN PERMITTING

When the original project scope was prepared for this project, it was based on the understanding the preliminary milestone submittals (60%, 90% and 100%) would be reviewed concurrently by the City of Austin and Williamson County. However, delays encountered during the ILA negotiations (beyond our control) prevented the submittals referenced above from being submitted to the City of Austin for full comprehensive review. As a result, the milestone submittals were only partially reviewed by City of Austin's Drainage/Water Quality reviewer and not all required departments. Once the ILA was executed, the plans were submitted to the City of Austin, only after comments on the 100% plans had been addressed and approved by Williamson County.

We are requesting additional fee to cover the effort required to address permitting comments received from the City of Austin, after the 100% plans were prepared. We will incorporate comments from up to three (3) total rounds of review from the City of Austin with these additional services.

4. TREE MITIGATION COORDINATION

- a. Creation of Tree Mitigation sheets, notes, and details for the City of Austin Public Works Forrester to provide completed sheets for permitting purposes.
- b. Review of the tree mitigation sheets provided by City's Public Works Forrester, and providing comments and example plans to outline the City requirements for Tree Mitigation Plans.
- c. Coordinating the location of irrigation meters for the tree mitigation with the City's Public Works Forrester and the County's utility design consultant.
- d. Incorporating irrigation sleeve mark-ups into the shared use path plan and profile sheets along with additional notes.

5. ADDITIONAL PROJECT MANAGEMENT SERVICES

Additional effort associated with project management activates were incurred on the project due to the schedule extension for design phase services. Also, additional effort was incurred for coordination with the County's Utility Coordinator and Utility Designer.

- a. Contract administration.
- b. Project invoicing and progress reports.
- c. Coordination with the County's Utility Design consultant to incorporate their construction drawings into the plan set for permitting purposes, coordination of review comments received by the City of Austin for their incorporation into the plans set, bid tab and technical specification, and coordination/comment responses provided during AULCC coordination efforts.

6. REIMBURSABLES

- a. Reproduction, courier, and delivery services will be provided for this project and billed in accordance with our rate schedule.

7. DELIVERABLES

- a. Preparing the submittal packages for City of Austin including individual letters of transmittal to each reviewer, comment response letters, and multiple copies of the plans and reports. Preparing response to Williamson County comments and uploading electronic copies of deliverables to Project Wise website.

Neenah Ave Widening - Attachment C Work Schedule

ID	Task Mode	Task Name	Duration	Start	Finish	<div><div><div>Half 1, 2015</div><div>Half 2, 2015</div><div>Half 1, 2016</div><div>Half 2, 2016</div><div>Half 1, 2017</div><div>Half 2, 2017</div></div></div>													
1		Phase A - Design Phase Project Management	131 days	Mon 3/2/15	Mon 8/31/15														
2		Phase B - Schematic Design Phase	21 days	Mon 3/2/15	Mon 3/30/15														
3		Geotechnical Report	49 days	Mon 3/23/15	Thu 5/28/15														
4		Environmental Field Work	21 days	Mon 3/2/15	Mon 3/30/15														
5		Environmental Report	60 days	Wed 5/13/15	Tue 8/4/15														
6		THC Application	55 days	Mon 3/2/15	Fri 5/15/15														
7		THC Field Work	15 days	Mon 5/18/15	Fri 6/5/15														
8		THC Report	10 days	Mon 6/8/15	Fri 6/19/15														
9		County Review	10 days	Tue 3/31/15	Mon 4/13/15														
10		Phase D - 60% Design Phase	21 days	Tue 4/14/15	Tue 5/12/15														
11		County Review	25 days	Fri 5/29/15	Thu 7/2/15														
12		Geologic Assessment (County)	32 days	Mon 6/8/15	Tue 7/21/15														
13		Threatened & Endangered Species Report	36 days	Mon 6/8/15	Mon 7/27/15														
14		TCEQ WPAP Submittal	0 days	Wed 3/30/16	Wed 3/30/16														
15		WPAP Response From TCEQ	60 days	Wed 3/30/16	Tue 6/21/16														
16		Phase E - 90% Design Phase	32 days	Mon 7/6/15	Tue 8/18/15														
17		County Review	7 days	Wed 8/19/15	Thu 8/27/15														
18		Phase F - 100% Design Phase	36 days	Tue 9/1/15	Tue 10/20/15														
19		County Review	8 days	Wed 10/21/15	Fri 10/30/15														
20		Address Comments	57 days	Mon 11/2/15	Tue 1/19/16														
21		Phase Permit_1 Submittal	0 days	Tue 1/19/16	Tue 1/19/16														
22		Submit to COA for Completeness Check	11 days	Mon 2/22/16	Mon 3/7/16														
23		Address Comments	20 days	Tue 3/8/16	Mon 4/4/16														
24		Completeness Rejected	2 days	Tue 4/5/16	Wed 4/6/16														
25		Resubmit for Completeness Check	11 days	Tue 4/19/16	Tue 5/3/16														
26		Receive Completeness	0 days	Tue 5/3/16	Tue 5/3/16														
27		City Review Round 1	20 days	Wed 5/11/16	Wed 5/11/16														
28		Address Comments and Incorporate SWA #2 to WA	43 days	Mon 6/13/16	Wed 8/10/16														
29		#1 Plan Revisions	28 days	Thu 8/11/16	Mon 9/19/16														
30		City Review Round 2	0 days	Mon 9/19/16	Mon 9/19/16														
31		Receive Round 2 City Comments	11.1 days	Fri 9/30/16	Fri 3/3/17														
32		On Hold Pending Tree Comment Resolution	20 days	Mon 4/17/17	Fri 5/12/17														
33		Address Comments	15 days	Mon 5/15/17	Fri 6/2/17														
34		City Review Round 3	21 days	Mon 6/5/17	Mon 7/3/17														
35		Address Comments	20 days	Tue 7/4/17	Mon 7/31/17														
36		Final Approved Plans	15 days	Tue 8/1/17	Mon 8/21/17														
37																			
38																			

Project: 20170403-NeenahAveW

Date: Tue 4/4/17

Task

Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

Task

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

External Tasks

External Milestone

Deadline

Progress

Manual Progress

Neenah Ave Widening SWA #4 to WA#1
Exhibit D - Rate Schedule

Scope of Work		#	190	175	225	140	130	110	80	
Task		Sheets	SR PM	PM	PRINCIPAL	CONSULTANT	ASSOCIATE CONSULTANT	SR. TECHNICAL DESIGNER	ADMIN	Fee
1	Offsite Pond Verification Survey									\$ 8,260.00
	a Topographic Survey	1				\$5,500.00				\$ 5,500.00
	b Pond review and verification		2			4		8		\$ 1,820.00
	c Update hydrology		2			4				\$ 940.00
2	Revised Easement and SUP Alignment									\$ 7,020.00
	a Revise Easement Documents		2.0	6.0				4.0		\$ 1,870.00
	b Revise Shared Use Path Alignment for Easements	2	3.0				6.0	12.0		\$ 2,670.00
	c Update Signage and Pavement Markings East End	2	2.0				6.0	12.0		\$ 2,480.00
3	City of Austin Permitting									\$ 43,870.00
	a Address City of Austin Comments (Additional Effort)		37	40			120	60	2.5	\$ 36,430.00
	b Third Round COA Comments		8.0				16.0	32.0	4.0	\$ 7,440.00
4	Tree Mitigation Coordination									\$ 4,895.00
	a Create Tree Mitigation Plans									
	i Set up Sheets		1.0					12.0		\$ 1,510.00
	ii update page number in plan set							2.0		\$ 220.00
	iii set up detail sheet		0.5					4.0		\$ 535.00
	b Review Sheets Provided and comment to PWF									
	i review sheets and provide comments		2.0							\$ 380.00
	ii meet with PWF and provide example plans		4.0			0.5		1.0		\$ 940.00
	iii incorporate tree sheets into plans		2.0					1.0		\$ 490.00
	c Irrigation Meter Coordination		1.0							\$ 190.00
	d Incorporate Irrigation Sleeves		1.0					4.0		\$ 630.00
5	Additional Project Management									\$ 3,680.00
	a Contract Administration		8.0						4.0	\$ 1,840.00
	b Invoicing and Progress Reports		4.0						4.0	\$ 1,080.00
	c Utility Consultant Coordination		4.0							\$ 760.00
6	Reimbursable									\$ 3,000.00
7	Deliverables									\$ 1,560.00
	b Second Round COA Comments		1.0				2.0	3.0		\$ 780.00
	c Third Round COA Comments		1.0				2.0	3.0		\$ 780.00
Total Hours			133.5	46.0	24.5	16.5	362.0	350.0	14.5	\$ 72,285.00