

**SUPPLEMENTAL WORK AUTHORIZATION NO. 8
TO
WORK AUTHORIZATION NO. 1**

WILLIAMSON COUNTY ROAD AND BRIDGE PROJECT:

Foam Asphalt Pavement Design

This Supplemental Work Authorization No. 8 to Work Authorization No. 1 is made pursuant to the terms and conditions of the Technical Research Agreement, being dated April 26, 2016 ("Agreement") and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Texas A&M Transportation Institute (the "TTI").

WHEREAS, the County and the TTI executed Work Authorization No. 1 dated effective May 18, 2016 (the "WA #1");

WHEREAS, pursuant to the Agreement, 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 WA #1 in order to extend the termination date.

AGREEMENT

NOW, THEREFORE, premises considered, the County and the TTI agree that WA #1 shall be amended, changed and modified as follows:

- I. The maximum amount payable for services under the Work Authorization is hereby increased from \$180,000.00 to \$255,000.00.
- II. The Services to be Provided by TTI 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 above referenced Work Authorization termination date shall be modified to September 30, 2027. The Services to be Provided by TTI 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).


County believes it has sufficient funds currently available and authorized for expenditure to finance the costs of this Supplemental Work Authorization. TTI understands and agrees that County's payment of amounts under this Supplemental 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 the Supplemental Work Authorization. It is further understood and agreed by TTI that County shall have the right to terminate this Supplemental Work Authorization 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 TTI.

Except as otherwise amended by prior or future Supplemental Work Authorizations, all other terms of WA #1 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 Agreement.

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

**TEXAS A&M TRANSPORTATION
INSTITUTE:**

By:  Digitally signed by Lesli Kerth
Date: 2025.12.03 12:33:17
-06'00'

Signature
Lesli Kerth

Printed Name

Associate Director

Title
TA

12/3/2025

Date

WILLIAMSON COUNTY:

By: _____
Signature

Steven Snell

Printed Name

County Judge

Title

Date

Attachment B - Services to be Provided by Engineer

Adding Hanno Oberholzer as key personnel for Texas A&M Transportation Institute.

Attachment C - Work Schedule

- 1) Williamson County (WilCo) nominated the following candidate Full Depth Reclamation (FDR) projects for the FY 25/26 construction seasons, which they consider suitable for foamed asphalt or emulsion stabilization,
 - a. CR 458
 - b. CR 348
 - c. CR 490, and
 - d. CR 352
- 2) TTI will test each candidate with Ground Penetrating Radar and high-definition video.
- 3) TTI will work with WilCo forces to remove samples of the existing surface and base materials. Logs of existing thickness will be developed. WilCo forces will provide traffic control and patch holes for this operation. TTI will use a small milling machine and auger to retrieve samples.
- 4) TTI will run basic tests on the retrieved materials including PI, gradation, and classification to determine what stabilizer is the best option for the project materials.
- 5) TTI will run both the expansion ratio and half-life on asphalt binders currently proposed to be used by WilCo to ensure they meet the minimum foaming requirements (as per TxDOT's specifications). This will also define the delivery temperature required for the foamed asphalt operations.
- 6) TTI will run a laboratory design using TxDOT's latest design procedures. Where needed, pretreatments will be evaluated (typically lime with mellowing).
- 7) For projects constructed by WilCo staff in the summer of 2024 TTI will perform a structural evaluation of completed projects, this will involve collecting and analyzing Falling Weight Deflectometer data.

Deliverables

- 1) Provide a stabilization design report for each project sampled.
- 2) Survey the project constructed in 2023 through 2025 and document in-situ strengths and current condition. Present findings in a Tech Memo with lesson learned.