

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

WILLIAMSON COUNTY ROAD BOND PROJECT:
CR 110 North

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 March 19, 2024 ("Contract") and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and RPS Infrastructure, Inc. (the "Engineer").

WHEREAS, the County and the Engineer executed Work Authorization No. 1 dated effective March 22, 2024 (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-4" (must be attached).
- II. The Work Authorization shall terminate on November 30, 2025. The Services to be Provided by the Firm shall be fully completed on or before said date unless extended by additional Supplemental Work Authorization. The revised Work Schedule is attached hereto as Attachment "C-4" (must be attached).
- III. The maximum amount payable for services under the Work Authorization is hereby increased from \$699,559.08 to \$793,223.57. The revised Work Schedule is attached hereto as Attachment "D-4" (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

Kevin Hoffman
Printed Name

Regional Director of Transportation
Title

6/12/2025
Date

COUNTY:

By:  Steve Snell (Jun 26, 2025 10:48 CDT)
Signature

Steve Snell
Printed Name

Williamson County Judge
Title

06/26/2025
Date

LIST OF ATTACHMENTS

Attachment B-4 – Services to be Provided by Engineer

Attachment C-4 – Work Schedule

Attachment D-4 – Fee Schedule

APPROVED
By Christen Eschberger at 1:33 pm, Jun 13, 2025

ATTACHMENT B-4
SERVICES TO BE PROVIDED BY THE ENGINEER FOR
CR 110 NORTH

PROJECT DESCRIPTION

Project Limits

Unchanged under this SWA #4.

Existing Facility

Unchanged under this SWA #4.

Proposed Facility

Unchanged under this SWA #4.

Design Criteria

Unchanged under this SWA #4.

1. PROJECT MANAGEMENT

a. COMMUNICATION:

- i. No supplemental scope under this SWA #4.

b. MONTHLY PROGRESS REPORTS, INVOICES, AND BILLINGS:

- i. Additional 3 months of Contract Time provided in this SWA #4.

c. QUALITY ASSURANCE AND QUALITY CONTROL (QA/QC) PLAN:

- i. No supplemental scope under this SWA #4.

d. PROJECT COORDINATION & ADMINISTRATION:

- i. Additional 3 months of Contract Time provided in this SWA #4.

e. PROGRESS/COORDINATION MEETINGS:

- i. Additional 3 months of Contract Time provided in this SWA #4.

f. PROJECT SCHEDULE:

- i. Additional 3 months of Contract Time provided in this SWA #4.

g. PROJECT DOCUMENTS/FILES:

- i. No supplemental scope under this SWA #4.

h. DELIVERABLES:

- i. Monthly Invoices and Progress Reports including Deliverable Table
- ii. Project Specific QA/QC Plan
- iii. Meeting Minutes, Sign-In Sheets, and Agendas
- iv. Project Schedule and Updates
- v. Project Files
- vi. QA/QC Documentation with Deliverable

2. PUBLIC INVOLVEMENT

No supplemental scope under this SWA #4.

3. UTILITY COORDINATION SUPPORT

As this is a Road Bond Project, direct coordination with utilities will be conducted through the County's existing utility coordination contract with Cobb Fendley and Associates. The Engineer will provide support as described below:

a. UTILITY INFORMATION INTO ENGINEERING DRAWINGS

- i. Reviews of utility relocation plans.
- ii. Incorporate utility information into plans and design files.
- iii. Update the design to mitigate impacts with existing/proposed utilities.

b. UTILITY MEETINGS

- i. Meet with the utility coordinator and review utility impacts and potential relocations to identify appropriate approaches to reducing/mitigating impacts.
- ii. Attend meetings with utility providers as requested.

4. CONDEMNATION SUPPORT

No supplemental scope under this SWA #4.

5. SURVEYING

No supplemental scope under this SWA #4.

6. DRAINAGE STUDY REFINEMENT

a. HYDROLOGIC/HYDRAULIC MODELING:

Update H&H models for the Parcel 01 ditches and Cross Culvert 03 due to the adjacent RV development and incorporate the updates into the design.

b. IMPACT AND MITIGATION ANALYSIS:

i. Extended Watershed Analysis:

- Delineate the watershed which encompasses the entire project and it's tributary to a single common point of interest (POI).
- Divide full watershed into further subbasins.
- Divide subbasins into onsite and offsite areas based on POIs.
- Determine extended drainage area, imperviousness, SCS curve numbers, and lag time for each subbasin in the existing, interim, and ultimate conditions.
- Identify reaches and junction points connecting the subbasins.
- Determine reach and junction point SCS curve number and lag time.
- Create HEC-HMS model for existing, interim, and ultimate conditions.
- Compute hydrographs for each model and compare the ultimate peak flow rate to existing to determine detention requirements.

ii. Pond Location Alternative Scenario Creation:

- Identify potential detention pond locations based on terrain, land use, and ROW impacts - two pond locations to be identified and analyzed.
- Create two HMS models for interim and ultimate conditions including detention.
- Determine subareas and reaches upstream of each pond location.
- Iteratively calculate the estimated pond dimensions required to ensure the ultimate peak flow is less than or equal to the existing peak flow at the POI for each pond alternative (2 alternatives) to finalize pond location.

- iii. Finalize Pond Modeling at Selected Parcel:
 - Finalize the pond design at the selected parcel, model in OpenRoads using the existing terrain and the proposed roadway model.
 - Update the estimated pond characteristics in the HEC-HMS model with the modeled pond data to ensure the peak flow rate is still reduced adequately.
- iv. Other Discipline Design Updates:
 - Update adjacent ditches, driveways, ROW, easement, storm sewer etc.

c. DELIVERABLES:

Refine Final Drainage Report including applicable detention exhibits, calculations and model revisions.

7. ENVIRONMENTAL SERVICES

No supplemental scope under this SWA #4.

8. GEOTECHNICAL SERVICES

No supplemental scope under this SWA #4.

9. PLAN PREPARATION

a. No supplemental scope under this SWA #4.

b. ROADWAY:

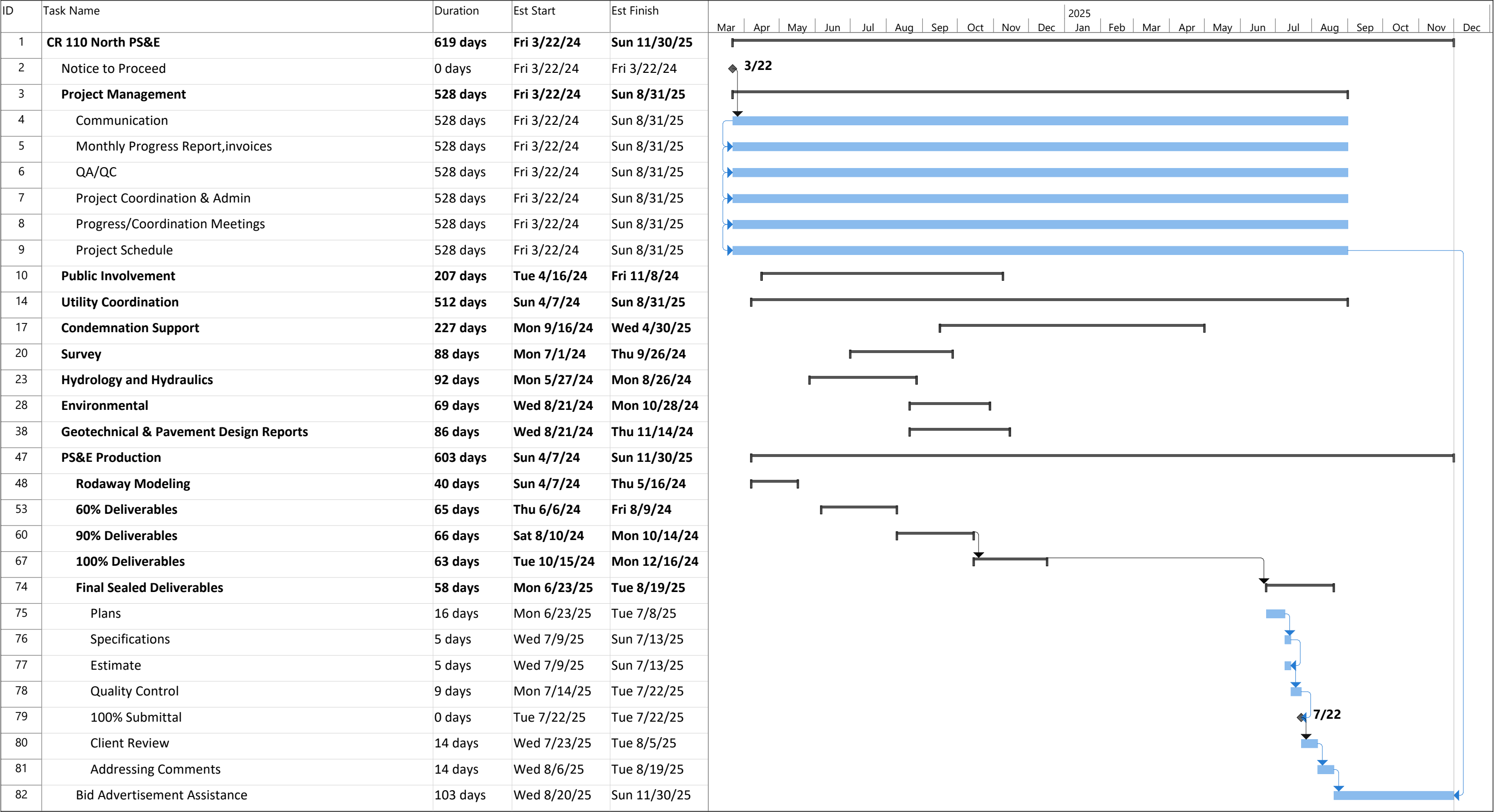
- i. Refine driveways due to ongoing right-of-way negotiations and include appropriate details in the plans.
- ii. Update plans, estimates, and cross sections due to grading modifications at Bell Gin/Jonah, RV site, and near the detention pond.

c. DRAINAGE:

- i. Refine hydraulic calculations for the design of drainage structures and detention structures on the project and include appropriate details in the plans.
- ii. Refine drainage area maps delineating drainage area boundaries based on USGS topographic maps, local contour maps, and/or field survey data.
- iii. Refine design and detail storm sewer system, storm sewer profiles, drainage outfalls, cross drainage structures, culverts, channels, roadside ditches, minimum side slopes, and erosion and sedimentation control.

- iv. Performed additional analysis and detailed design for on-site stormwater detention measures.
- v. Reduce the lengths of the culverts to serve for the interim conditions only. Update the H&H analysis, the plan and profile layouts, and the project quantities and cost estimates.
- d. SIGNING AND MARKINGS:
No supplemental scope under this SWA #4.
- e. TRAFFIC CONTROL:
No supplemental scope under this SWA #4.
- f. WATER QUALITY:
No supplemental scope under this SWA #4.
- g. DELIVERABLES:
 - i. Final PS&E Submittal; see 100%/Final Plan Submittal Checklist
 - ii. Updated Final Drainage Report and Drainage Models
- 10. PERMITS
No supplemental scope under this SWA #4.
- 11. BIDDING PHASE SERVICES
No supplemental scope under this SWA #4.
- 12. EXCLUSIONS
No supplemental scope under this SWA #4.

ATTACHMENT C-4
WORK SCHEDULE
CR 110 NORTH-PS&E



Texas PE Firm Reg. #F-929

4801 Southwest Pkwy, Pkwy 2, Suite 150, Austin, Texas 78735
T +1 512 328 5771 E usinfrastructure@rpsgroup.com

Attachment D-4 Fee Schedule

Price Proposal		Labor Plan								Price Summary / Totals																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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