

WORK AUTHORIZATION NO. 7

WILLIAMSON COUNTY ROAD BOND PROJECT: Southeast Loop Phase 2

This Work Authorization is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated March 13, 2017 and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Johnson, Mirmiran & Thompson, 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 \$120,252.80.

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 July 30, 2025. 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. County believes it has sufficient funds currently available and authorized for expenditure to finance the costs of this Work Authorization. Engineer understands and agrees that County's payment of amounts under this 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 this Contract. It is further understood and agreed by Engineer that County shall have the right to terminate this Contract 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 Engineer.

Part 7. This Work Authorization is hereby accepted and acknowledged below.

EXECUTED _____

ENGINEER:

Johnson, Mirmiran & Thompson, Inc.

By: 
Signature

Kristi Flagg
Printed Name

Senior Vice President
Title

10/24/2024
Date

COUNTY:

Williamson County, Texas

By: _____
Signature

Printed Name

Title

Date

LIST OF ATTACHMENTS

Attachment A7 - Services to be Provided by County

Attachment B7- Services to be Provided by Engineer

Attachment C7 - Work Schedule

Attachment D7 - Fee Schedule

APPROVED
By Christen Eschberger at 7:54 am, Nov 14, 2024

ATTACHMENT A7
SERVICES TO BE PROVIDED BY THE COUNTY
FOR SOUTHEAST LOOP PHASE 2

In general, Williamson County and its representatives to their best efforts will render services as follows:

1. Name, business address, and phone number of County's project manager.
2. Assistance to the Engineer, as necessary, with obtaining data and information from other local, regional, State and Federal agencies required for this project.
3. Obtain Rights of Entry from landowners that are willing to grant access to the Engineer.
4. Provide available appropriate County data on file including plans and specifications that are deemed pertinent to the completion of the work required by the scope of services (including previous hydraulic studies, models, previous reports and studies, available existing traffic counts, and design year traffic projections).
5. Provide available criteria and full information as to the client's requirements for the project. Provide examples of acceptable format for the required deliverables.
6. Provide information on any meetings/discussions held with adjoining property owners that may impact the project.
7. Provide timely reviews and decisions necessary for the Engineer to maintain the project work schedule. Review recommendations offered by the Engineer, progress of work, and final acceptance of all documents.
8. Submittal of documentation and permits to regulatory agencies for review and comment, when specified.
9. Support project development efforts with stakeholders, coordinate meetings and interface with stakeholders, as needed.
10. Post and maintain project information for public consumption on the County website.
11. Assist with Coordination between the Engineer and the County's other consultants.

12. Negotiate with all utility companies for any agreements and/or relocations required.
13. Provide an agent as necessary to secure proposed ROW and relocate/remove improvements on proposed ROW.
14. Provide construction observation and review contractor pay application and progress.
15. Provide Engineer with Contractor submittals, Requests for Information (RFI's, shop drawings, and correspondence.
16. Review Engineer progress, submittals, and plan changes.

ATTACHMENT B7
SERVICES TO BE PROVIDED BY THE ENGINEER
CONSTRUCTION PHASE SERVICES FOR
SOUTHEAST LOOP PHASE 2

PROJECT DESCRIPTION

Project Limits

New location from CR 137 to CR 404.

Proposed Facility

Construct a new 2 lane roadway with continuous turn lanes and shared use path to serve as the future eastbound / northbound frontage road.

TASK DESCRIPTIONS

The Engineer shall categorize each task performed to correspond with the following Task Numbers and descriptions.

Scope of Work

Fieldwork, analysis and reporting for archeological investigations under TAC permit for 41WM1535 and FM 1660 realignment.

1. PROJECT MANAGEMENT (JMT)

- a. Monthly Progress Report, Invoices, and Billings (7 months assumed):
 - Submit monthly progress status reports to the GEC. Progress reports will include deliverable table, tasks completed, tasks/objectives that are planned for the upcoming periods, list or description of items or decisions needed from the County and its representative. Subconsultant progress will be incorporated into the monthly progress report. A copy of the monthly progress report will be uploaded to ProjectWise.
 - Prepare correspondence, invoices, and progress reports monthly in accordance with current County requirements.
- b. Project Coordination & Administration (7 months assumed):
 - Prepare and maintain routine project record keeping including records of meetings and minutes.
 - Correspondence and coordination will be handled through & with the concurrence of the GEC.
 - 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, coordinate and review sub consultant work, correspond with the County and its representatives, and assist the County and its representatives in preparing responses to project-related inquiries.

Deliverables:

- Monthly Invoices and Progress Reports
- Meeting Minutes, Sign-In Sheets, and Agendas

7. ENVIRONMENTAL SERVICES

e. Texas Antiquities Code (TAC) Compliance:

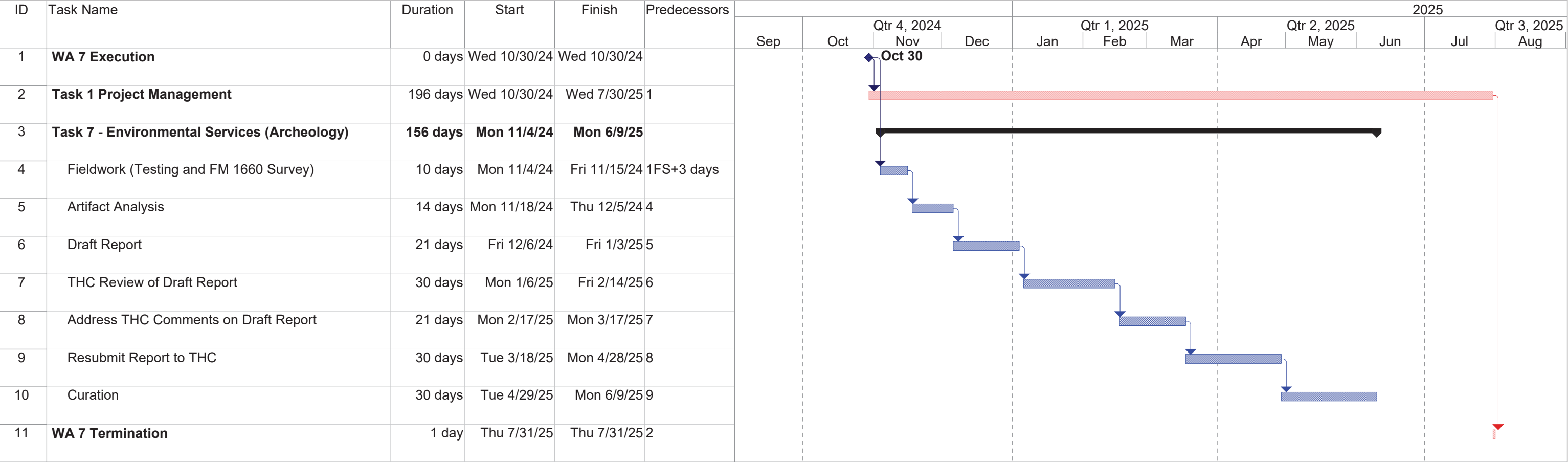
- Agency coordination
 - i. Continue coordination with the THC throughout the project to ensure the terms of the Antiquities Permit are met.
- Field work
 - i. Conduct archeological fieldwork at site 41WM1535 to determine its eligibility for listing in the National Register of Historic Places (NRHP) or as a State Archeological Landmark (SAL). Proposed fieldwork will consist of magnetometer survey, mechanical trenching, and hand excavation of test units. JMT assumes that testing fieldwork will consist of excavation of no more than ten (10) mechanical trenches and no more than four (4) cubic meters of hand-excavated sediment.
 - ii. All artifacts collected from hand excavations will be collected for analysis and curation except for thermally altered rocks. Thermally altered rocks will be sorted by size and weighed by size and provenience before being discarded in the field; a small sample will be retained for curation.
 - iii. Soil samples will be collected from each excavated feature for flotation. Burned material from feature contexts will be collected for radiocarbon dating, and up to four (4) carbon samples will be submitted for radiocarbon dating.
- Laboratory analyses
 - i. Clean all collected artifacts, after which they will be sorted into classes, quantified by provenience, and entered into an access database. JMT will analyze all faunal material to identify all specimens to the most specific possible taxon. Where possible, individual elements will be recorded, and a minimum number of individuals will be estimated.
 - ii. Soil samples collected from features will be sent to an outside analyst for flotation and analysis of any macrobotanical remains present. Up to four (4) carbon samples will be sent to an outside laboratory for radiocarbon dating.
- Report
 - i. Prepare a draft report in accordance with the Council of Texas Archeologists' Guidelines and Standards for CRM Reports. The report will include environmental and cultural contexts for the region, methods used, and results of the testing excavations, including a recommendation for 41WM1535's NRHP/SAL eligibility. The draft report will be

submitted to the GEC for review and comment. Once approved, JMT will submit the draft report to the THC for review.

- Curation
 - i. Coordination with THC including submittals to THC and project records to the appropriate curation facility per THC requirements.

Deliverables:

- Draft and Final Archeological Reports



Date: Thu 10/24/24

Task

Split

Milestone

Summary

Project Summary

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External Tasks

External Milestone

Inactive Milestone

Inactive Summary

Manual Task

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◆

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

External Tasks

External Milestone

Critical

Critical Split

Progress

◆

Deadline

**ATTACHMENT D7
FEE SCHEDULE**

**FOR
JOHNSON, MIRMIRAN & THOMPSON, INC**

Southeast Loop Phase 2

For services described in the Scope of Services, we request the compensation as detailed below. Cost breakdowns for engineering services and explanation of expenses are shown on the following pages.

WA7 AMOUNT

\$120,252.80

ATTACHMENT D7 - FEE SCHEDULE

Fee Schedule Summary
Johnson, Mirmiran & Thompson, Inc.
Southeast Loop Phase 2

W A 7	Description of Work or Task	JMT (100.0%)
	Task 1. PROJECT MANAGEMENT	\$ 9,156.00
	Task 7. ENVIRONMENTAL SERVICES	\$ 85,208.80
	FEE SCHEDULE SUMMARY	\$ 94,364.80
	DIRECT EXPENSES SUMMARY	\$ 25,888.00
	WA7 SUBTOTAL	\$ 120,252.80

Summary of Manhours by Classification
Johnson, Mirmiran & Thompson, Inc.
Southeast Loop Phase 2

Description of Work or Task	Sr. Project Manager \$285.00/Hr	Sr. ENV Scientist II \$150.00/Hr	Sr. ENV Scientist \$140.70/Hr	ENV Prof. I \$95.00/Hr	ENV Staff III \$85.00/Hr	ENV Staff II \$75.00/Hr	Admin / Clerical \$84.00/Hr	Staff-Hr. Totals	Staff Cost / Task Totals
Task 1. PROJECT MANAGEMENT									
a. Monthly Progress Report, Invoices, and Billings (7 months assumed)									
Submit Monthly Progress Reports to GEC	8						4	12	\$ 2,616.00
Prepare Correspondence, Invoices, and Progress Reports Monthly	8						4	12	\$ 2,616.00
b. Project Coordination & Administration (7 months assumed)									
Prepare and maintain records	4						2	6	\$ 1,308.00
Correspondence and coordination with GEC	4						2	6	\$ 1,308.00
Correspondence and coordination outside GEC	4						2	6	\$ 1,308.00
PROJECT MANAGEMENT Subtotal:	28	0	0	0	0	0	14	42	\$ 9,156.00
Task 7. ENVIRONMENTAL SERVICES									
e. Texas Antiquities Code (TAC) Compliance									
Background Research Agency Coordination		2	40		20			62	\$ 7,628.00
Fieldwork			40	96		320		456	\$ 38,748.00
Laboratory Analyses			4	40		40		84	\$ 7,362.80
Technical Report			100	80		40		220	\$ 24,670.00
Curation				40		40		80	\$ 6,800.00
ENVIRONMENTAL SERVICES Subtotal:	0	2	184	256	20	440	0	902	\$ 85,208.80
JMT Subtotal:	28	2	184	256	20	440	14	944	\$ 94,364.80
Direct Expenses:									\$ 25,888.00
JMT SUMMARY	28	2	184	256	20	440	14	944	\$ 120,252.80

Summary of Direct Expenses
Johnson, Mirmiran & Thompson, Inc.
Southeast Loop Phase 2

Item Description	Unit	Quantity	Unit Cost	Total Cost
Direct Expenses				
I. Trimble On-Demand	Per Hour	20	\$13.000	\$260.00
II. Backhoe Rental	Per Day	3	\$2,000.00	\$6,000.00
III. Radiocarbon Dating	Per Sample	4	\$349.00	\$1,396.00
IV. Records Curation Fees	Per Project	1	\$456.00	\$456.00
V. Collections Curation Fees	Per Project	1	\$760.00	\$760.00
VI. TARL Site Form	Per Form	1	\$96.00	\$96.00
VII. Tree Removal/Mowing	Per Project	1	\$6,800.00	\$6,800.00
VIII. Paleoethnobotanical Analysis	Per Project	1	\$1,120.000	\$1,120.00
IX. Magnetometer survey	Per Project	1	\$9,000.000	\$9,000.00
Johnson, Mirmiran & Thompson, Inc. Total Direct Expenses				\$25,888.00