

SUPPLEMENTAL WORK AUTHORIZATION NO. 1
TO
WORK AUTHORIZATION NO. 7

WILLIAMSON COUNTY ROAD BOND PROJECT:
Southeast Loop Phase 2 PS&E

This Supplemental Work Authorization No. 1 to Work Authorization No. 7 is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated March 13, 2017 ("Contract") 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").

WHEREAS, the County and the Engineer executed Work Authorization No. 7 dated effective November 21, 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 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 "A7-1" (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 "B7-1" (must be attached).
- III. The Work Authorization shall terminate on September 30, 2026. 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 "C7-1" (must be attached).
- IV. The maximum amount payable for services under the Work Authorization is hereby increased from \$120,252.80 to \$800,754.84. The revised Fee Schedule is attached hereto as Attachment "D7-1" (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, to be effective as of the date of the last party's execution below.

ENGINEER:

By: Kristi D. Flagg
Signature

Kristi D. Flagg, P.E.
Printed Name

Senior Vice President
Title

5/14/2025
Date

COUNTY:

By: _____
Signature

Printed Name

Title

Date

LIST OF ATTACHMENTS

Attachment A7-1 – Services to be Provided by County

Attachment B7-1 – Serviced to be Provided by Engineer

Attachment C7-1 – Work Schedule

Attachment D7-1 – Fee Schedule

APPROVED

By Christen Eschberger at 3:36 pm, May 28, 2025

ATTACHMENT A7-1
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.
17. Provide Contractor to perform clearing of trees identified by the Engineer for the archeological investigations under TAC permit for 41WM1535 and FM 1660 realignment
18. Install sediment erosion control measures (silt fence) for archeological investigations under TAC permit for 41WM1535 and FM 1660 realignment
19. Provide water pumps and perform dewatering of excavations after rain events.
20. Provide inspection of sediment erosion control and reports.

ATTACHMENT B7-1
SERVICES TO BE PROVIDED BY THE ENGINEER
ENVIRONMENTAL SERVICES
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.

SWA 1 Additional field work analysis and report for data recovery phase extending from June 1, 2025, to September 30th, 2026.

1. PROJECT MANAGEMENT (JMT)

a. Monthly Progress Report, Invoices, and Billings (15 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 (15 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

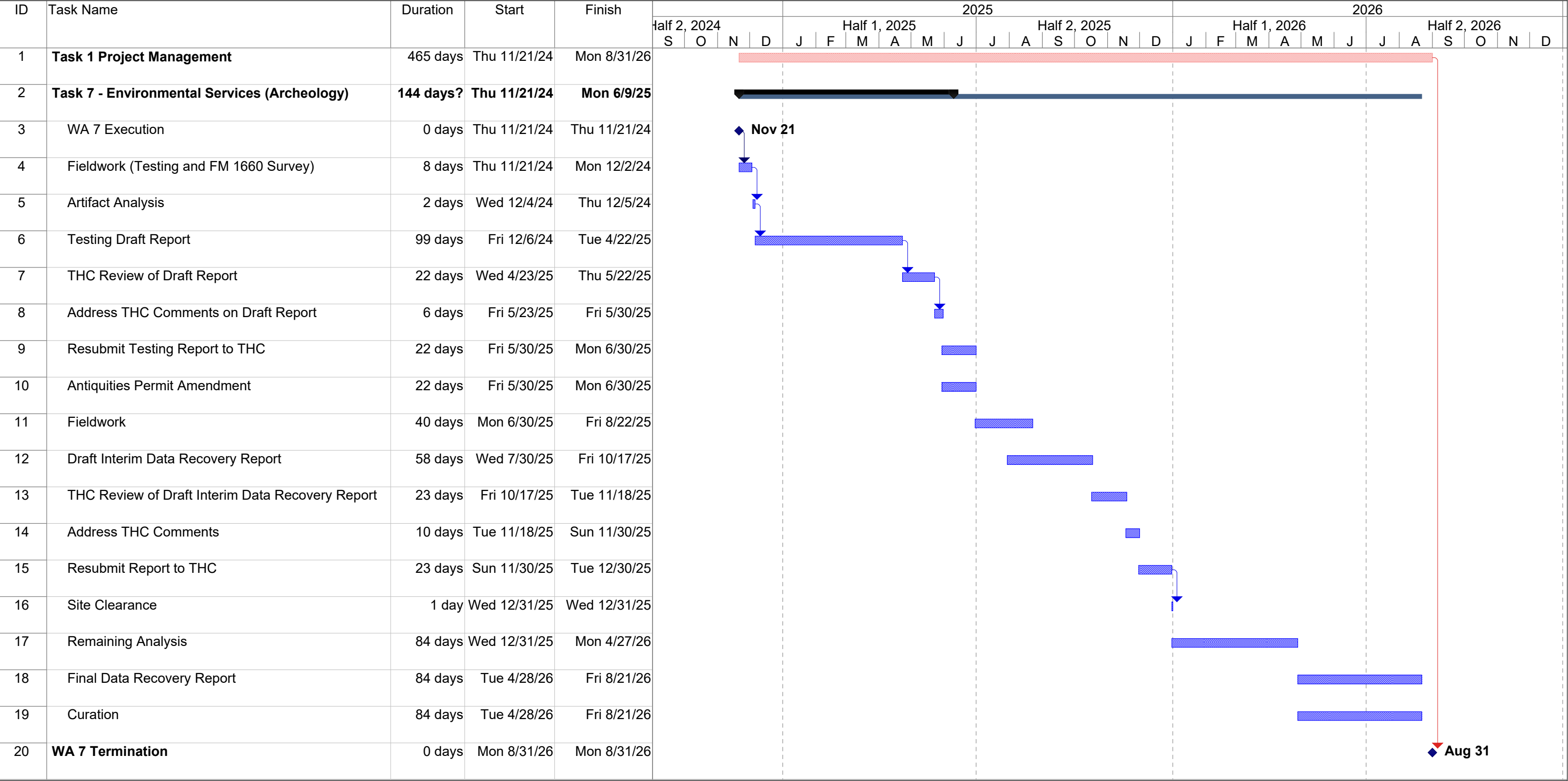
e. Texas Antiquities Code (TAC) Compliance:

- Agency coordination
 - i. Update and/or produce a new Antiquities Permit to cover data recovery investigations.
 - ii. Continue coordination with the THC throughout the project to ensure the terms of the Antiquities Permit are met.
- Field work
 - i. Conduct archeological data recovery excavations at site 41WM1535 to mitigate adverse effects to the site due to the construction of Southeast Loop. Proposed fieldwork will consist of mechanical trenching, and hand excavation of test units, geomorphological analysis, and collection of soil and radiocarbon samples.
 - 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.
- Laboratory analyses
 - i. Clean all collected artifacts, after which they will be sorted into classes, quantified by provenience, and entered into an excel 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 undergo flotation processing and light fractions will be sent to a paleoethnobotanist for analysis of any macrobotanical remains present.
- 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 data recovery excavations and subsequent analyses. 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. Preparation of project records and artifacts for curation at the Texas Archeological Research Laboratory (TARL) at the University of Texas.
- Assumptions and Exclusions
 - i. JMT will excavate no more than five (5) mechanical trenches.
 - ii. Hand excavation will be limited to no more than ten (10) cubic meters of sediment.
 - iii. JMT will submit up to 25 samples for radiocarbon dating.
 - iv. JMT or its subconsultant will submit up to one single grain sample for optically stimulated luminescence (OSL) dating.
 - v. Up to 70 light fractions from flotation will be sent to a paleoethnobotanist for analysis.
 - vi. JMT will analyze up to 800 individual faunal specimens.
 - vii. JMT assumes no human burials are present within the project area. This scope of work does not include excavation of human burials, tribal coordination, or any additional permitting related to human burials. If human burials are found during the course of data recovery excavation, their removal and any associated work will be coordinated under a separate scope and fee.
 - viii. JMT will not conduct mechanical excavations deeper than 19 feet below ground surface.
 - ix. JMT will not dewater any deep mechanical excavations. If ground water is encountered, excavation of the trench will cease. If rain leads to standing water in trenches, work in those trenches will cease until the water has receded.

Deliverables:

- Updated Antiquities permit scope of work for data recovery excavations
- Draft and Final Archeological Reports



Date: Wed 5/14/25

Task

Split

Milestone

Summary

Project Summary

External Tasks

External Milestone

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

External Tasks

External Milestone

Critical

Critical Split

Progress

Deadline

**ATTACHMENT D7-1
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.

SWA1 to WA7 AMOUNT

\$680,502.04

ATTACHMENT D7-1 - FEE SCHEDULE

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

W A 7	Description of Work or Task	JMT (100.0%)	STN (0.0%)	CDF	Cost / Task Totals
	Task 1. PROJECT MANAGEMENT	\$ 9,156.00	\$ -	\$ -	\$ 9,156.00
	Task 7. ENVIRONMENTAL SERVICES	\$ 85,208.80	\$ -	\$ -	\$ 85,208.80
	DIRECT EXPENSES SUMMARY	\$ 25,888.00	\$ -	\$ -	\$ 25,888.00
	FEE SCHEDULE SUMMARY	\$ 94,364.80	\$ -	\$ -	\$ 120,252.80

S W A 1 t o W A 7	Description of Work or Task	JMT (100.0%)	STN (100.0%)	CDF (100.0%)	Cost / Task Totals
	Task 1. PROJECT MANAGEMENT	\$ 36,940.00	\$ -	\$ -	\$ 36,940.00
	Task 7. ENVIRONMENTAL SERVICES	\$ 401,502.00	\$ 86,310.00	\$ 62,336.96	\$ 550,148.96
	DIRECT EXPENSES SUMMARY	\$ 65,726.00	\$ -	\$ 27,687.08	\$ 93,413.08
	FEE SCHEDULE SUMMARY	\$ 504,168.00	\$ 86,310.00	\$ 90,024.04	\$ 680,502.04

	Supplemental Work Authorization 1				
	Johnson, Mirmian & Thompson, Inc.				\$ 504,168.00
	Stantec Consulting Services, Inc.				\$ 86,310.00
	Charles D. Frederick				\$ 90,024.04
	SWA1 to WA7 SUBTOTAL				\$ 680,502.04
	PROJECT TOTAL				\$ 800,754.84

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

Description of Work or Task	Project Director \$292.00/Hr	Sr. Project Manager \$285.00/Hr	Senior Prof. 2 \$259.00/Hr	Senior Prof. 1 \$227.00/Hr	Prof. 2 / Sr. Eng. Tech \$194.00/Hr	Prof. 1 / Eng. Tech \$149.00/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 (22 months assumed; 15 months added)														
Submit Monthly Progress Reports to GEC	8	16										12	36	\$ 7,904.00
Prepare Correspondence, Invoices, and Progress Reports Monthly		16										12	28	\$ 5,568.00
b. Project Coordination & Administration (22 months assumed, 15 months added)														
Prepare and maintain records	8	20										16	44	\$ 9,380.00
Correspondence and coordination with GEC		40										32	72	\$ 14,088.00
Correspondence and coordination outside GEC													0	\$ -
PROJECT MANAGEMENT Subtotal:	16	92	0	0	0	0	0	0	0	0	0	72	180	\$ 36,940.00
Task 7. ENVIRONMENTAL SERVICES														
e. Texas Antiquities Code (TAC) Compliance														
Agency Coordination								80	30				110	\$ 14,106.00
Fieldwork						150		224	360	500	500		1734	\$ 168,066.80
Laboratory Analysis								80	400	240			720	\$ 69,656.00
Technical Report								460	460	160			1080	\$ 122,022.00
Curation								16	160	120			296	\$ 27,651.20
ENVIRONMENTAL SERVICES Subtotal:	0	0	0	0	0	150	0	860	1410	1020	500	0	3940	\$ 401,502.00
JMT Subtotal:	16	92	0	0	0	150	0	860	1410	1020	500	72	4120	\$ 438,442.00
Direct Expenses:														\$ 65,726.00
JMT SUMMARY	16	92	0	0	0	150	0	860	1410	1020	500	72	4120	\$ 504,168.00

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

Item Description	Unit	Quantity	Unit Cost	Total Cost
I. Total Station Rental	Per Month	2	\$1,850.000	\$3,700.00
II. Gradall Rental	Per Day	18	\$2,000.00	\$36,000.00
III. Radiocarbon Dating	Per Sample	25	\$400.00	\$10,000.00
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	\$110.00	\$110.00
VII. Paleoethnobotanical Analysis	Per Sample	70	\$210.000	\$14,700.00
Johnson, Mirmiran & Thompson, Inc. Total Direct Expenses				\$65,726.00

Summary of Manhours by Classification
Stantec Consulting Services, Inc.
Southeast Loop Phase 2

Description of Work or Task	Sr. ENV Scientist II \$194.00/Hr	Sr. ENV Scientist I \$168.00/Hr	ENV Professional II \$143.00/Hr	ENV Professional I \$123.00/Hr	ENV Staff III \$110.00/Hr	ENV Staff II \$97.00/Hr	ENV Staff I \$84.00/Hr	ENV Tech II \$71.00/Hr	ENV Tech I \$58.00/Hr	Staff-Hr. Totals	Staff Cost / Task Totals
Task 1. PROJECT MANAGEMENT											
a. Monthly Progress Report, Invoices, and Billings											
b. Project Coordination & Administration											
Project Management Subtotal:	0	0	0	0	0	0	0	0	0	0	\$0.00
Task 7. ENVIRONMENTAL SERVICES											
a. Hero documentation and management										0	\$0.00
b. History										0	\$0.00
c. Archeology		10		10	300		600			920	\$86,310.00
d. Socioec & EJ										0	\$0.00
e. Noise										0	\$0.00
f. Water & Wetlands										0	\$0.00
g. Natural Resources (Farmlands, etc)										0	\$0.00
h. HazMat										0	\$0.00
i. Climate & GHG										0	\$0.00
j. Other HUD Categories										0	\$0.00
k. Comment Response & RROF										0	\$0.00
l. USACE Permit & USACE Coordination										0	\$0.00
Environmental Services Subtotal:	0	10	0	10	300	0	600	0	0	920	\$86,310.00
Stantec Consulting Services Subtotal	0	10	0	10	300	0	600	0	0	920	\$86,310.00
Expenses											\$0.00
Stantec Consulting Services SUMMARY	0	10	0	10	300	0	600	0	0	920	\$86,310.00

Summary of Direct Expenses
Stantec Consulting Services, Inc.
Southeast Loop Phase 2

Item Description		Unit	Quantity	Unit Cost	Total Cost
Direct Expenses					
I.	In-House Photocopies B/W (8 1/2" X 11")	Per Page		\$0.16	\$0.00
II.	In-House Photocopies Color (8 1/2" X 11")	Per Page		\$0.75	\$0.00
III.	In-House Photocopies B/W (11" X 17")	Per Page		\$0.32	\$0.00
IV.	In-House Photocopies Color (11" X 17")	Per Page		\$1.50	\$0.00
V.	Hazardous Materials Database Search	Per Search		\$550.00	\$0.00
VI.	Environmental Database Search	Per Mile		\$250.00	\$0.00
VII.	Historical Aerial Photographs	Each		\$35.00	\$0.00
VIII.	Noise Meter Rental	Per Project		\$165.00	\$0.00
IX.	Environmental Field Supplies	Per Day		\$40.00	\$0.00
X.	Backhoe Rental	Per Day		\$1,350.00	\$0.00
XI.	TARL Curation Fee	Drawer		\$6,640.00	\$0.00
XII.	TARL Site Registration	Per Site		\$96.00	\$0.00
XIII.	Overnight Mail - Letter Size	Each		\$22.95	\$0.00
XIV.	Overnight Mail - Oversized Box	Each		\$70.00	\$0.00
Stantec Consulting Services, Inc. Total Direct Expenses					\$0.00

Summary of Manhours by Classification

Charles D. Frederick

Southeast Loop Phase 2

Description of Work or Task	Geoarcheologist II \$140.79/Hr	Geoarcheologist I \$100.00/Hr	Staff-Hr. Totals	Staff Cost / Task Totals
Task 1. PROJECT MANAGEMENT				
a. Monthly Progress Report, Invoices, and Billings				\$0.00
b. Project Coordination & Administration				\$0.00
Project Management Subtotal:	0	0	0	\$0.00
Task 7. ENVIRONMENTAL SERVICES				
c. Archeology				
i. Fieldwork	84	84	168	\$20,226.36
ii. Labwork		224	224	\$22,400.00
iii. Reporting	140		140	\$19,710.60
Environmental Services Subtotal:	224	308	532	\$62,336.96
Charles Frederick Subtotal	224	308	532	\$62,336.96
Expenses				\$27,687.08
Charles Frederick Summary	224	308	532	\$90,024.04

Summary of Direct Expenses
Charles D. Frederick
Southeast Loop Phase 2

Item Description		Unit	Quantity	Unit Cost	Total Cost
Direct Expenses					
I.	Meals	Per Day	20	\$58.80	\$1,176.00
II.	Lodging	Per Night	16	\$149.38	\$2,390.08
III.	Mileage	Per Mile	1,530	\$0.70	\$1,071.00
IV.	Supplies	Each	2	\$550.00	\$1,100.00
V.	Organic Carbon Analysis	Each	200	\$25.00	\$5,000.00
VI.	Dating (Radiocarbon/OSL)	Each	1,445	\$10.00	\$14,450.00
VII.	Postage	Each	1	\$100.00	\$100.00
VIII.	Soil Micromorphology	Each	6	\$400.00	\$2,400.00
Charles Frederick Total Direct Expenses					\$27,687.08