

AMENDMENT TO PROFESSIONAL SERVICES CONTRACT

AGENCY: SC Office of Resilience

PROJECT NAME: USS Yorktown Environmental Assessment and Remediation

PROJECT NUMBER: D30-N021-MJ

NAME OF FIRM: Research Planning Inc.

This Contract is changed as follows: (Insert description of change in space provided below.)

The project team will be on-site to evaluate contaminant removal alternatives with hazardous material removal contractors. The Environmental Document and permit requirements will be prepared and submitted. The plans and specifications for bid will be prepared.

ADJUSTMENTS IN THE CONTRACT SUM:

1. BASIC & SUPPLEMENTAL SERVICES FEE:

Contract Fees Prior to This Amendment		\$2,150,580.00
Change in Fees Per This Amendment	\$242,308.00	
Total Revised Basic & Supplemental Services Fee:		\$2,150,580.00

2. ADDITIONAL SERVICES FEE:

Contract Fee Prior to This Amendment		\$157,000.00
Change in Fee Per This Amendment	\$0.00	
Total Revised Additional Services Fee:		\$157,000.00

3. REIMBURSABLE EXPENSES:

Contract Fee Prior to This Amendment		\$601,520.00
Change in Amount Per This Amendment	\$27,552.00	
Total Revised Reimbursable Expenses:		\$601,520.00

4. TOTAL CONTRACT AMOUNT:

Total Contract Prior to This Amendment		\$2,639,240.00
Total Amendment Amount	\$269,860.00	
Total Revised Contract Amount:		\$2,909,100.00

AGENCY ACCEPTANCE AND CERTIFICATION

I certify that the Agency has authorized, unencumbered funds available for obligation to this contract.

Change is within Agency Construction Contract Order Certification of: \$0.00 Yes No

BY: Eric G. Fosmire

TITLE: Chief of Staff and Legal Counsel

DATE: 5/11/2023

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AMENDMENT REQUEST NO.: 4

**AMENDMENT REQUEST SUMMARY –
PROFESSIONAL SERVICES CONTRACT**

AGENCY: SC Office of Resilience

PROJECT NAME: USS Yorktown Environmental Assessment

PROJECT NUMBER: D30-N021-MJ

NAME OF FIRM: Research Planning Inc.

This Contract is requested to be changed as follows: *(Insert description of change in space provided below.)*

The project team will be on-site to evaluate contaminant removal alternatives with hazardous material removal contractors. The Environmental Document and permit requirements will be prepared and submitted. The plans and specifications for bid will be prepared.

ADJUSTMENTS IN THE CONTRACT SUM:

1. REQUESTED CHANGE TO BASIC & SUPPLEMENTAL SERVICES FEE:		
	Change in Fee Per This Amendment	\$242,308.00
2. REQUESTED CHANGE TO ADDITIONAL SERVICES FEE:		
	Change in Fee Per This Amendment	0
3. REQUESTED CHANGE TO REIMBURSABLE EXPENSES:		
	Change in Amount Per This Amendment	\$27,552.00
4. REQUESTED CHANGE TO TOTAL CONTRACT AMOUNT:		
	Total Amendment Amount:	\$ 269,860.00

A/E ACCEPTANCE:

BY:  **Date:** 9 May 2023
(Signature of A/E Representative)

Print Name of A/E Representative: Jacqueline Michel, President

Instruction to A/E: Attach documentation as needed to justify the requested change to the contract and submit to Agency.



26 April 2023

Karen Olsen
South Carolina Office of Resilience
Columbia, SC

Re: USS *Yorktown* Environmental Assessment Scope of Services and Cost Estimates for Task 2.5, Task 2.6, and Task 3

Dear Ms. Olsen:

We are requesting an amendment to our contract D30-N021-MJ for the USS *Yorktown* Environmental Assessment to complete the remaining tasks, as described below.

Task 2.5 Updated Mitigation Cost Estimate

We will provide a cost estimate for the removal of the fluids/sludges in association with the recommendations of the field report unless otherwise directed, including:

- the removal of the heavy fuel oil from structural tanks containing significant quantities;
- cleaning of the spills in the machinery spaces; above and including the 4th deck;
- removal of the hydrocarbons from non-structural tanks in public and administrative areas; and
- de-water and disposal of fluids from structural tanks integral to hull plating.

Task 2.6 Submit Final Study Report

We will revise the study report submitted under Task 2.4 based on comments received from SCOR. We will also include the cost estimate completed under Task 2.5. This final report will provide the basis for the Environmental Assessment and Permits (Task 3.1) and the stakeholder outreach (Task 1).

Task 3.1 Environmental Report and Permits

The RPI Team will prepare an Environmental Assessment (EA) consistent with the National Environmental Policy Act of 1969 (42 U.S.C. 4321, as amended) and the Council on Environmental Quality's (CEQ) NEPA Implementing Regulations codified under 40 CFR Parts 1500-1508. Overall, the EA will include detailed descriptions of the proposed action and alternatives, affected environment, environmental consequences, mitigation measures, alternatives comparison, and supporting documentation in appendices, as well as all maps and figures necessary for analysis or publication. We will also prepare a Notice of Availability (NOA) informing the public that an agency has issued a Draft EA for the project and that the EA is available for public review and comment. Assuming that the EA process determines that the project will not have significant environmental impacts, we will prepare a Finding of No Significant Impact (FONSI).



RESEARCH PLANNING, INC.

1121 Park Street Columbia, South Carolina, USA 29201 PH: (803) 256-7322 FAX: (803) 254-6445

Concurrent with the NEPA process discussed above, we will conduct Section 106 and Section 110 coordination (both part of the National Historic Preservation Act, as amended), as required by the appropriate State and Federal agencies. The stakeholder meetings proposed as part of the NEPA process will be used to fulfil the necessary consulting party process that is required under Section 106. We will further prepare a Determination of Effects memorandum that outlines the project's scope of work and addresses the *potential* for the project to have an effect or adverse effect on the National Historic Landmark.

Task 3.2 Assist with Preparation of Bid Documents

We will prepare the bid document in compliance with SC OSE Manual, specifically Chapter 5 (Design/Construction Documents and Construction Standards).

Cost Proposal

The table below shows the total RPI cost by task, for a total request of \$269,860.

RPI Labor Costs	Task	Task 2.5	Task 2.6	Task 3		
	Hourly Rate	Updated Cost Estimate	Submit Study	Environmental Report & Permits Bid Documents	Total Person-hours	Labor Cost
Personnel Classification						
Project Manager	\$260.00	24	60	60	144	\$37,440
Ecologist	\$110.00			16	16	\$1,760
Editor	\$88.00	8	16	24	48	\$4,224
Data Manager	\$95.00		24	40	64	\$6,080
GIS Manager	\$140.00		24	16	40	\$5,600
					0	\$0
Total Hours		32	124	156	312	
RPI Labor Cost		\$6,944	\$22,648	\$25,512		\$55,104
Subcontractor	Unit Cost	Task 2.5	Task 2.6	Task 3		
JMT Costs				80,078		\$80,078
T&T Costs		77,952	18,000	28,500		\$124,452
Total Subcontractor Costs		\$77,952	\$18,000	\$108,578		\$204,530
Subcontractor Multiplier 5%						\$10,226
Total Project Budget - RPI		\$6,944	\$22,648	\$25,512		\$269,860

Sincerely,

Jacqueline Michel, Ph.D.
President

**USS Yorktown Environmental Assessment Scope of Services
and Cost Estimates for Task 2.5, Task 2.6, and Task 3
Submitted to: South Carolina Office of Resilience**

Submitted by:
Research Planning, Inc.
26 April 2023

Introduction

The worksheets at the end of this document show the costs for each task based on the assumptions of the number of days/hours needed to complete this scope.

Task 2.5 Updated Mitigation Cost Estimate

Based on the findings, we will provide a cost estimate for the removal of the fluids/sludges IAW with the recommendations of the field report unless otherwise directed, including:

- the removal of the heavy fuel oil from structural tanks containing significant quantities;
- cleaning of the spills in the machinery spaces; above and including the 4th deck;
- removal of the hydrocarbons from non-structural tanks in public and administrative areas; and
- de-water and disposal of fluids from structural tanks integral to hull plating.

Cost information to include:

- Resource specifications
- Suitable vendor identification
- Regional market values for services and equipment

The work to mitigate/remediate the contaminants only would be based on access to structurally intact areas reported on T&T's survey report.

Task 2.6 Submit Final Study Report

The RPI team will revise the study report submitted under Task 2.4 based on comments received from SCOR. We will also include the cost estimate completed under Task 2.5. This final report will provide the basis for the Environmental Assessment and Permits (Task 3.1) and the stakeholder outreach (Task 1).

Task 3.1 Environmental Report and Permits

JMT will prepare an Environmental Assessment (EA) consistent with the National Environmental Policy Act of 1969 (42 U.S.C. 4321, as amended) and the Council on Environmental Quality's (CEQ) NEPA Implementing Regulations codified under 40 CFR Parts 1500-1508. Purpose and Need will be developed, recognizing April 2022 revisions to CEQ. JMT will develop tables of alternatives for

discussion and comparison. Screening criteria will be used to evaluate whether an alternative is reasonable; evaluate various alternatives against the screening criteria (including the chosen measures), and identify those alternatives found to be reasonable; identify those alternatives found not to be reasonable; and for the latter, establish the basis for this finding. Alternatives considered but found not to be reasonable are not evaluated in this Environmental Document. Overall, the EA will include detailed descriptions of the proposed action and alternatives, affected environment, environmental consequences, mitigation measures, alternatives comparison, and supporting documentation in appendices, as well as all maps and figures necessary for analysis or publication. JMT will also prepare a Notice of Availability (NOA) informing the public that an agency has issued a Draft EA for the project and that the EA is available for public review and comment.

Assuming that the EA process determines that the project will not have significant environmental impacts, JMT will prepare a Finding of No Significant Impact (FONSI). A FONSI is a document that presents the reasons why an agency has concluded that there are no significant environmental impacts projected to occur upon implementation of an action.

Concurrent with the NEPA process discussed above, JMT staff will conduct Section 106 and Section 110 coordination (both part of the National Historic Preservation Act, as amended), as required by the appropriate State and Federal agencies. The stakeholder meetings proposed as part of the NEPA process will be used to fulfil the necessary consulting party process that is required under Section 106. We will further prepare a Determination of Effects memorandum that outlines the project's scope of work and addresses the *potential* for the project to have an effect or adverse effect on the National Historic Landmark.

In addition to the services outlined above, JMT will prepare the following environmental documentation, which will be included as appendices to the Environmental Document:

- Natural Resources Technical Memorandum described Waters of the U.S. (WOTUS), biological and geological setting of the project vicinity (in lieu of the WOTUS/Critical Line delineation since there are currently no activities planned outside of the vessel)
- Biological Assessment evaluating potential impacts to federally-listed endangered species under the jurisdiction of the U.S. Fish and Wildlife Service and National Atmospheric Administration – National Marine Fisheries Service (NOAA-Fisheries)
- Consistency with Coastal Zone Management Act

JMT will identify required environmental permits or other agreements which would need to be obtained in order to complete the proposed action at the federal, state, and local level. Example environmental permit mediums to be considered include, but are not limited to: air emission, wastewater, stormwater, CZMA, asbestos and/or LBP removal, hazardous waste, C&D waste, historic structures, and archeology. While JMT is not being requested to obtain such identified permits under this SOW, they will be listed in an appendix within the EA. This listing, in tabular form, will also identify key requirements of each permit, for both construction and operation (if different).

Task 3.2 Assist with Preparation of Bid Documents

T&T will work with JMT, supporting efforts to incorporate GIS referencing and bid document compliance with SC OSE requirements. JMT has budgeted five days (40 hrs) of staff time for a Senior Engineer familiar with the OSE requirement to assist T&T in ensuring that bid drawing are consistent with the OSE Manual, specifically Chapter 5 (Design/Construction Documents and Construction Standards).

Assumptions/Exclusions for Task 3.2

- Engineering design of the mitigative measures for removing contaminants from the Yorktown is excluded from this Scope of Work (SOW).
- Compliance relative to Section 508 of the Rehabilitation Act of 1973 is excluded from this SOW.
- Based on the assumption that mitigative measures will be internal to the ship and adjacent upland areas (i.e. will not interact with aquatic resources), the following are excluded from this SOW: WOTUS delineation and associated submittal of a Jurisdictional Determination Request (JD); OCRM Critical Line survey; and NOAA-NMFS Essential Fish Habitat Assessment.

Cost Proposal

The following pages show the total RPI costs and the details for the costs for T&T and JMT.

RPI Labor Costs	Task		Task 2 5	Task 2 6	Task 3	Total	Labor
	Hourly	Updated	Submit	Environmental	Report & Permits		
Personnel Classification	Rate	Cost Estimate	Study	Bid Documents	Person-hours	Cost	
Project Manager	\$260.00	24	60	60	144	\$37,440	
Ecologist	\$110.00			16	16	\$1,760	
Editor	\$88.00	8	16	24	48	\$4,224	
Data Manager	\$95.00		24	40	64	\$6,080	
GIS Manager	\$140.00		24	16	40	\$5,600	
					0	\$0	
Total Hours		32	124	156	312		
RPI Labor Cost		\$6,944	\$22,648	\$25,512		\$55,104	
Subcontractor	Unit Cost	Task 2 5	Task 2 6	Task 3			
JMT Costs				80,078		\$80,078	
T&T Costs		77,952	18,000	28,500		\$124,452	
Total Subcontractor Costs		\$77,952	\$18,000	\$108,578		\$204,530	
Subcontractor Multiplier 5%						\$10,226	
Total Project Budget - RPI		\$6,944	\$22,648	\$25,512		\$269,860	

T&T Labor Costs	Task		Task 2 5	Task 2 6	Task 3 2	Total	Labor
	Daily	Updated	Submit	Bid	Documents		
Personnel Classification	Rate	Cost Estimate	Study	Documents	Person-days	Cost	
Project Manager	\$2,100.00	14	5	5	24	\$50,400	
Salvage Foreman	\$1,800.00				0	\$0	
Salvage Technician	\$1,500.00	14	5	5	24	\$36,000	
Naval Architect I	\$2,100.00			5	5	\$10,500	
Naval Architect II	\$2,100.00				0	\$0	
Cost Controller	\$1,200.00				0	\$0	
					0	\$0	
Total Days		28	10	15	53		
Labor Cost		\$50,400	\$18,000	\$28,500		\$96,900	
T&T Reimbursable Costs	Unit Cost	Task 2 5	Task 2 6	Task 3 2			Reimbursable
Days							Costs
							\$0
Flights	2	\$724.00	1,448			\$1,448	
Lodging - 3 nights	6	\$248.00	1,488			\$1,488	
Per Diem/ Per person - 4 days	8	\$79.00	632			\$632	
Car Rental - 4 days	4	\$110.00	440			\$440	
Contractors- Hazmat International			23,544			\$23,544	
Total Reimbursables		\$27,552	\$0	\$0		\$27,552	
Total Task 1 Budget - T&T		\$77,952	\$18,000	\$28,500		\$124,452	

JMT Labor Costs	Task	Task 3	
	Hourly	Environmental Report & Permits	Labor
Personnel Classification	Rate	Bid Documents Hours	Cost
Project Manager	\$189.49	54	\$10,232
Senior Environmental Scientist	\$141.97	228	\$32,368
NEPA Planner	\$125.63	51	\$6,407
Senior Cultural Resource Specialist	\$219.78	37	\$8,132
GIS Technician II	\$74.31	26	\$1,932
Senior Engineer	\$178.20	40	\$7,128
Administrative Assistant	\$71.28	22	\$1,568
Senior Architectural Historian	\$166.32	58	\$9,647
Total Hours		516	
JMT Labor Cost			\$77,414

Direct Costs	Cost	Quantity	
Ground Transportation - mileage	0.66	460	\$304
Airfare	500	1	\$500
Hotel	160	6	\$960
Meals	8	50	\$400
Travel	1	200	\$200
Rental Car	1	300	\$300
Total Direct Costs			\$2,664

Total Project Budget - JMT			\$80,078
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