

RESOLUTION NO. 2016- 154

RESOLUTION OF THE TOWNSHIP OF LITTLE EGG HARBOR, COUNTY OF OCEAN, STATE OF NEW JERSEY, AUTHORIZING THE EXECUTION OF CHANGE ORDERS TO THE CONTRACT WITH T&M ASSOCIATES FOR THE NFWF MARSH RESTORATION PROJECT

WHEREAS, a contract was previously awarded to T&M Associates for the NFWF Marsh Restoration Project; and

WHEREAS, the original contract for said improvements was in the amount of \$309,310.00 and was increased by \$99,305.00 by Change Orders No. 1 and No. 2; and

WHEREAS, the governing body wishes to authorize Change Order No. 3, which will result in an increase in \$252,223.00 in the contract price, consisting in an increase for an ecological review of the marsh in support of the permit applications and due to the revision of testing requirements by the NJDEP as well as sampling and testing of the marsh areas receiving material which was not included in the original scope and fee; and

WHEREAS, the additional funds necessary for the change order come from the NFWF Grant and are not taxpayer funded; and

WHEREAS, it is the desire of the governing body to authorize the execution of this change order.

NOW, THEREFORE, BE IT RESOLVED, by the governing body of the Township of Little Egg Harbor, County of Ocean, State of New Jersey as follows:

1. That the governing body does hereby authorize the execution of Change Order No. 2 adjusting the contract with T&M Associates for the NFWF Marsh Restoration Project which will result in an increase of \$252,223.00 in the contract price, consisting in an increase for an ecological review of the marsh in support of the permit applications and due to

the revision of testing requirements by the NJDEP as well as sampling and testing of the marsh areas receiving material which was not included in the original scope and fee.

2. That Change Order Number 3 increases the total contract amount to \$660,838.00.

3. That the Mayor is hereby authorized to execute and the Township Clerk to attest to an addendum to the contract with T&M Associates in accordance with the provisions of this resolution.

4. That a certified copy of this resolution, together with a copy of Change Order No. 3, be forwarded to the Chief Financial Officer and T&M Associates.

Motion to Approve: Kehm Second: Stevens Roll Call:

Gormley	<u>Absent</u>
Kehm	<u>yes</u>
Kobryn	<u>yes</u>
Schlick	<u>yes</u>
Stevens	<u>yes</u>

CERTIFICATION

I, **DIANA K. MCCRACKEN, RMC**, Municipal Clerk of the Township of Little Egg Harbor do hereby certify that the foregoing resolution was duly adopted by the Township of Little Egg Harbor Township Committee at a meeting held on the 14th day of July, 2016.


DIANA K. MCCRACKEN, Township Clerk
Little Egg Harbor Township



| YOUR GOALS. OUR MISSION.

June 3, 2016

VIA EMAIL AND REGULAR MAIL

Mat Brener, P.E.
BRS Inc.
P.O. Box 2293
Medford Lakes, NJ 08055

Re: T&M File No. LEHT-01730
Marsh Restoration and Replenishment Project
Township of Little Egg Harbor, Ocean County, NJ

Dear Mr. Brener:

Pursuant to our conversations, T&M Associates is presenting this change order #3 for the Marsh Restoration and Replenishment Project for Little Egg Harbor and Tuckerton. To date, we have completed the Feasibility Study, Preliminary Site Definition Report, Bathymetric Survey, Marsh Survey, and Sampling Plans. As you are aware, the process to date has required many meetings with land owners, NJDEP, Army Corps, project stakeholders, etc. The work relative to the permitting, and the design of the restoration areas, has and will require additional work beyond that which was originally anticipated. Additionally, through the course of the project it has been agreed that an ecological review/report of the marsh, in support of the permit applications, will be required (we propose to utilize Shadel Environmental). Lastly, the testing requirements within the dredge areas has been revised by the NJDEP, and the NJDEP is requiring the sampling and testing of the marsh areas receiving material. The sampling and testing within the marsh was not included in the original scope and fee.

Therefore, T&M proposes the following updates to the scope of work and fees:

Amended/New Tasks

Task 6A – Field Effort to Collect Sediment Cores (additional day in field added due to additional number of cores and compositing effort)

As per the request for proposal, this sampling will include the materials and labor required to collect sediment cores. The cores will be collected via boat or barge mounted vibracoring methods. The cores will extend to a maximum depth of -4.5 MLW (including over-dredge) feet into sediment, or until refusal is encountered. The sampling team will include a vibracoring subcontractor with two operators and a geotechnical engineer/geologist, and scientist to log the cores, collect the samplings and prepare field reports. This effort assumes a maximum of four (4) 10-hour days in the field for all sites.

Deliverables: Field effort to include a barge or boat mounted vibracoring system and all appurtenant equipment to complete this effort. Daily field reports and logs will be completed as part of this task.



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Task 6B – Sample Analysis – Dredge Areas

As per the direction of Mr. Joel Pecchioli of the NJDEP, the sediment analysis has been revised to include the following, and is based on 33 grab samples being composited as per similar grain size distributions as referenced in the QAPP:

6B.1 – Grain size analysis, total organic carbon and total solids (per the QAPP, May 2016) for both the grab samples and composite samples.

6B.2 – Bulk sediment chemistry including TAL/TCL metals, SVOCs, PAHs, pesticides, PCBs (USEPA Method 8082A), PCB Congeners (USEPA Method 1668A), and dioxins/furans (USEPA Method 8290).

6B.3 Elutriate extraction and chemistry including TAL/TCL metals (dissolved and total), SVOCs (total), pesticides (total), PCBs (total, including congeners, USEPA Method 1668B), and dioxins/furans (USEPA Method 8290).

Deliverables: Geotechnical analysis results from the Princeton Hydro AMRL accredited laboratory and analytical results (contaminants) from a NJDEP accredited laboratory. All analytical test results will be provided in electronic format in accordance with the minimum requirements for reporting.

Task 6C – Retrieval and analysis of sediment at dredging sites for grain size analysis only (interim)

As requested, 9 substrate samples will be collected at the proposed dredging sites (1 sample per site), and analyze the samples for grain size distribution. This effort will require up to two days with two technical staff to access all sites.

Task 6D – Retrieval and analysis of CDF site for grain size analysis only

As requested, up to 3 substrate samples will be collected at the proposed CDF site, and analyze the samples for grain size distribution. This effort will require one day with two technical staff.

Task 6E – Sediment Sampling and Analysis Plan for Disposal Sites (including QAPP above)

As requested, we will expand upon the effort stated in Task 5 and amend the sampling plan and QAPP once all the disposal sites are identified. A sampling plan will be prepared in accordance with the RFP and the NJDEP Dredging Technical Manual per the requirements of the Waterfront Development Permit, and it will be submitted to the NJDEP for review.



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New Tasks 6F and 6G – Sediment Sampling and Analysis – Marsh Areas

As requested, we will collect and analyze the substrate samples of the six (6) sites and at the frequency as required by the NJDEP approved sediment sampling and analysis plan completed as part of Task 6E. As per the direction of Mr. Joel Pecchioli, the sediment analysis has been revised to include the following, and is based on the grab samples (109 total) being composited as per similar grain size distributions as referenced in the QAPP:

The analysis to be conducted is as follows:

6G.1 – Grain size analysis, total organic carbon and total solids (as per most recent QAPP, May 2016, these analyses must be completed for both grab samples (including those to be composited) and composite samples.

6G.2 – Bulk sediment chemistry including TAL/TCL metals, cyanide, SVOCs, PAHs, pesticides, PCBs (USEPA 8082A), PCB congeners (Method 1668A) and dioxins/furans (USEPA Method 8290).

Deliverables: Geotechnical analysis results from the Princeton Hydro AMRL accredited laboratory and analytical results (contaminants) from the NJDEP accredited laboratories. All analytical test results will be provided in electronic format in accordance with the minimum requirements for reporting.

New Task 11 – Ecological Services

T&M Associates shall subcontract with Shadel Environmental for ecological services in support of permit applications. Shadel Environmental shall engage in field and desktop assessments of the marsh restoration areas including the review of both healthy and degraded (eroded, subsided, lost vegetation, etc) marsh sites. Shadel Environmental shall also compile local historical knowledge in support of the summary report. Attendance at meeting with the Township, and regulatory agencies is also included in this task.



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Schedule of Revised/Added Fees: All prices are fixed fees including direct expenses, based on the above outlined scope and original scope.

<u>Task No.</u>	<u>Task Name</u>	<u>Total</u>
4	Initial Project Design	\$77,500.00
6A 6A.1	Field Effort to Collect Sediment Cores - Dredge Areas Field Effort	\$39,000.00
6B 6B.1 6B.2	Sample Analysis as per Sampling Plan - Dredge Areas Grain size, TOC, % solids (\$270.00 per sample cost) Bulk Sediment Chemistry (includes Dioxins/Furans)	\$14,850.00
6B.3	w/PCB congeners (\$2,300.00 per sample cost) Elutriate (Procedure + Analysis) (\$2,300.00 (per sample cost)	\$41,400.00 \$46,000.00
6C 6C.1 6C.2	Retrieval and analysis of sediment at dredging sites for grain size analysis only (interim) Field Effort to collect samples and letter report preparation Grain size analysis (\$120.00 per sample cost)	\$ 4,500.00 \$ 1,080.00
6D 6D.1 6D.2	Retrieval and analysis of CDF site for grain size analysis only Field Effort to collect samples and letter report preparation Grain size analysis (\$120.00 per sample cost)	\$ 2,900.00 \$ 360.00
6E 6E.1	Sediment Sampling and Analysis Plan for Marsh Areas (including QAPP) Sampling Plan	\$ 5,550.00
New Task 6F 6F.1	Field Effort to Collect Sediment Cores - Marsh Areas Field Effort	\$29,480.00
New Task 6G 6G.1 6G.2	Sample Analysis as per Sampling Plan - Marsh Areas Grain size, TOC, % solids (\$270.00 per sample cost) Bulk Sediment Chemistry (includes Dioxins/Furans) w/PCB congeners (\$2,300.00 per sample cost)	\$43,200.00 \$96,600.00
Task 7	Permitting	\$42,000.00
Task 11	H&H Analysis @ Iowa Court (ELIMINATED)	\$22,100.00
New Task 11	Ecological Services	\$34,233.00



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Based on the above amended tasks and unit costs, the total previously approved fixed fee is calculated to be increased by \$252,223.00 to \$660,838.00 by this change order #3. Our office is available to discuss this change order at your convenience. Please be advised that the sampling of the dredge locations is currently scheduled for a June 13th start. We would ask that this change order be considered by the Township Committee at the June 9, 2016 Township meeting.

If this proposal is acceptable, please indicate acceptance by signing in the space provided below. Should you have any questions, please do not hesitate to contact me.

Very truly yours,

FOR: JAMES M. ORIS, P.E., P.P., C.M.E.
TOWNSHIP ENGINEER

BY: 
JASON A. WORTH, P.E., P.P., C.M.E.
SUPERVISING ENGINEER

JMO:JAW:ls

cc: Garrett Loesch, Township Administrator/CFO

I, the undersigned, certify that I have read, understand and hereby accept this proposal.

Authorized Signature Date

Name:

Title: