

MARYLAND ENVIRONMENTAL SERVICE

ENVIRONMENTAL DREDGING DIVISION PROPOSAL NUMBER ED-03-01

**Environmental, Planning and Implementation Services for
Poplar Island Environmental Restoration Project**

REQUEST FOR MODIFICATIONS TO SCOPE OF WORK, BUDGET CHANGES AND TERM

Prepared for:

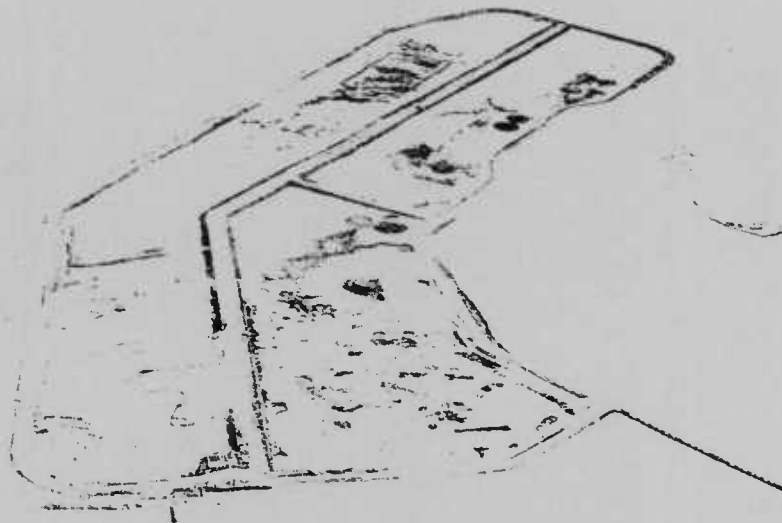
Maryland Port Administration

MPA Contract Number: 500828

MPA PIN Number: 54020020

MES Contract Number 00-07-24

October 25, 2000



Proposed Service Providers

Maryland Environmental Service (MES)

MES Subcontractors and Subcontractor Subconsultants

Moffat and Nichol Engineers (M&N)

Gahagan & Bryant Associates, Inc. (GBA)

Earth Engineering and Science, Inc. (E2Si)

Engineering, Consultation, Construction and Remediation, Inc (E2CR)

Environmental Concern, Inc. (ECI)

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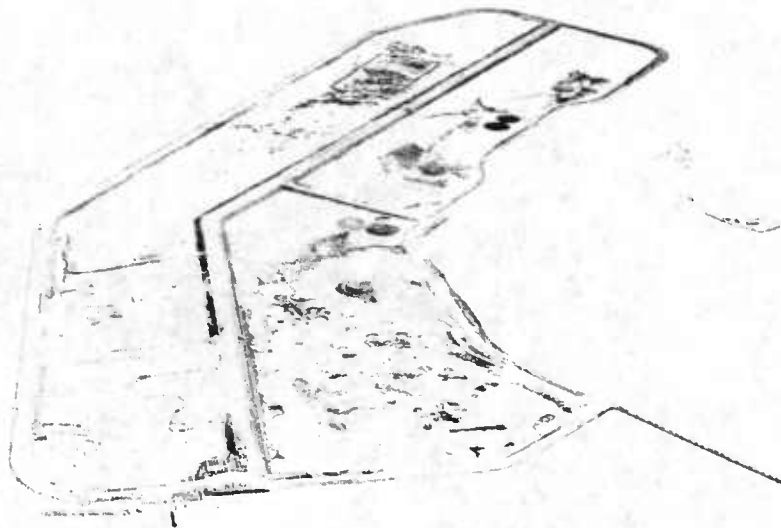
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MES PROPOSAL ED-03-01
October 25, 2000

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**MARYLAND
ENVIRONMENTAL
SERVICE**

Parris N. Glendening
Governor

October 25, 2000

James W. Peck
Director

Mr. Frank L. Hamons
Manager, Harbor Development
Maryland Port Administration, Maritime Center II
2310 Broening Highway
Baltimore, MD 21224

- REF: MPA Contract No. 500828, PIN No. 54020020, MES Contract No. 00-07-24: Interagency Agreement Between the MPA and MES for Environmental, Planning, Technical and Implementation Services for Poplar Island Environmental Restoration Project, as amended
- REF: MES/W. Young Ltr of 4/19/00 transmitting MES Proposal No. ED-08C-00, Subj: Environmental, Planning and Implementation Services for Poplar Island Environmental Restoration Project
- REF: MES/W. Young Ltr of 4/6/00 transmitting MES letter proposal for Dewatering of Upland Cell and Associated Field-Level Support (Task 18)
- REF: MES/W. Young Ltr of 9/5/00, Subj: Request for Task 18 Budget and Schedule Revision
- SUBJ: Request for Modifications to Scope of Work, Budget Changes and Term for Tasks 1 through 17, Poplar Proposal for Seventeen Planning and Implementation Tasks

Dear Mr. Hamons:

Enclosed is MES Proposal Number ED-03-01 requesting scope of work modifications, budget increases and term extensions for Tasks 1 through 17 in support of the MPA's role as local sponsor for the Poplar Island Environmental Restoration Project (ERP). The background and justification for these changes are presented in the proposal.

A budget increase of \$1,367,128 is requested for Tasks 1 through 17. The overall budget for these seventeen tasks would increase from \$891,844 to \$2,258,984. The budgets for Tasks 1, 15, 16 and 17 reflect an estimation of funding needs through December 31, 2001 for these tasks. Please also note that Task 17 is planned to assume site logistics and transportation support for planning and implementation services once work under Task 18 is completed in mid- to late December 2000. The budgets for Tasks 2 through 14 reflect the estimated funding needs to complete the specific work at the increased levels of effort indicated.

For your convenience, you may approve the changes requested in the attached proposal for Task 1 through 17 by signing, dating and returning the attached endorsement to me.

Please do not hesitate to call at your convenience if there are any questions or if additional information is needed to assist in your review of the combined MES and subcontractor proposal.

Sincerely,


Wayne Young, Director
Environmental Dredging

copy to:

MES: R. Miller, K. Wikar, C. Donovan, S. Storms, P. McDonagh, K. Howarth, N. Balenske, I. Hoffman
MPA: D. Bibo, N. Brown, J. Vasina



MPA ENDORSEMENT on MES/W. Young letter dated October 25, 2000

FROM: Frank L. Hamons, Manager, Harbor Development

TO: Wayne Young, Director, Environmental Dredging

SUBJ: Task Authorizations

1. MES Proposal ED-03-00 is accepted.
2. This endorsement constitutes the MPA's notice to continue services for Poplar Island Environmental Restoration Project Tasks 1 through 17 through December 31, 2001, or until individual tasks are completed, whichever occurs first.
3. An overall budget increase of \$ _____ is approved for Poplar Island ERP Tasks 1 through 17.

Frank L. Hamons (date)
Manager, Harbor Development

MARYLAND ENVIRONMENTAL SERVICE

ENVIRONMENTAL DREDGING DIVISION PROPOSAL NUMBER ED-03-01

Scope of Work, Budget and Schedule Modifications for Environmental, Planning and Implementation Services for Poplar Island Environmental Restoration Project

Prepared for: Maryland Port Administration

MPA Contract Number: 500828

MPA PIN Number: 54020020

MES Contract Number 00-07-24

October 25, 2000

1.0 PURPOSE

- 1.1 This proposal was developed by the Maryland Environmental Service (MES) to request scope of work modifications, budget increases, and schedule changes consistent with changed work requirements, conditions and level of effort requirements presented to and coordinated with the Maryland Port Administration (MPA) and the U.S. Army Corps of Engineers, Baltimore District (CENAB) in monthly status reports and at Poplar Island Environmental Restoration Project (ERP) joint team meetings.
- 1.2 The purpose of the modified tasks and budget increases contained in this proposal is to continue assistance to the MPA, as local sponsor for the Poplar Island ERP, in providing support needed by the MPA and CENAB for activating and managing the Poplar Island project.
- 1.3 MES and MES subcontracted services will be provided to the Poplar Island ERP through the MPA in coordination with services provide by other agencies and their subcontractors that are providing services to the project sponsors, either directly or under subcontract to the MPA, MES or CENAB.

2.0 BACKGROUND.

MES and MES Subcontractors have been providing the MPA and CENAB (through the MPA) with environmental, technical, operational planning support and associated implementation services to enable activation of the Poplar Island ERP in time for the first scheduled inflow of dredged material, now anticipated during Winter 2000. During the course of providing services, additional planning and implementation services and increased levels of effort have been

required to accommodate unanticipated site-specific conditions, gaps in essential data, modification of implementation concepts resulting from planning and design to date, extension of the time frame for underdrain installation and dike raising and associated Quality Assurance/Quality Control (QA/QC) technical support to project sponsors, and other factors. A need to continue planning and implementation services and to provide logistic and transportation support for these services through initial inflow period and establishment of a wetland habitat test cell on site have also been identified.

The duration of the planning and implementation need is indefinite in view of changes to the implementation requirements and schedule, uncertainty over funding issues and credits for the local sponsor, and other considerations. For budget planning purposes, December 31, 2001 is used in the budgets accompanying this proposal. Additional planning and implementation services and associated logistics and transportation support that may be needed beyond that indicated in this proposal in order to fully implement Phase I of the project, including habitat development, will be coordinated with the MPA as needs become apparent through continuing planning and implementation activities. These additional needs will be addressed by subsequent coordination with the MPA as the situation develops.

3.0 TASK DESCRIPTION

Tasks 1 through 17 were presented in MES Proposal ED-08C-00, which is incorporated by reference. A summary of requested changes by task is listed below, and presented in Attachment 1 with supporting detail and justification as appropriate.

- 3.1 TASK 1 - PROJECT PLANNING, TECHNICAL, ENVIRONMENTAL AND IMPLEMENTATION SERVICES.** No change in scope of work. Services will continue be provided by MES and MES subcontractors. See Attachments 2, 2A and 3 for requested budget increases to extend services through December 31, 2001.
- 3.2 TASK 2 - LONG-TERM MONITORING (CENAB Item 1.4).** No change in scope of work. Services will continue to be provided by MES. See Attachments 2 and 3 for requested budget increases to complete task.
- 3.3 TASK 3 (CENAB Item 2.1.2) – DEWATERING PLAN, UNDERDRAIN AND PUMPING SYSTEM, AND DIKE RAISING.** Increased level of effort for design and QA/QC technical support services to be provided by Gahagan and Bryant Associates (GBA) and GBA subcontractors under subcontract to MES. See Attachments 2, 2A, and 3 for requested budget increases to complete task.
- 3.4 TASK 4 (CENAB Item 2.1.4) – WETLAND FIELD DATA.** No change. Task completed. See Attachments 2 and 3 for continuity purposes.
- 3.5 TASK 5 (CENAB Item 2.1.5) – BASELINE PSDDF MODELING AND CELL CAPACITIES.** Increased level of effort for PSDDF modeling by GBA under

- subcontract to MES. See Attachments 2, 2A and 3 for requested budget increases to complete task.
- 3.6 TASK 6 (CENAB Item 2.1.6) – PLAN AND DESIGN MARSH.** Increased level of effort for PSDDF modeling by GBA and GBA Subcontractors under subcontract to MES. See Attachments 2, 2A and 3 for requested budget increases to complete task.
- 3.7 TASK 7 (CENAB Item 2.1.7) – MATERIAL MANAGEMENT PLAN FOR FIRST DREDGING CYCLE.** Increased level of effort by GBA under subcontract to MES. See Attachments 2, 2A and 3 for requested budget increases to complete task.
- 3.8 TASK 8 (CENAB Item 2.1.8) – FILLING SCHEDULE AND QUANTITIES FOR FIRST PLACEMENT CYCLE.** Increased level of effort for PSDDF modeling by GBA under subcontract to MES. See Attachments 2, 2A and 3 for requested budget increases to complete task.
- 3.9 TASK 9 - TECHNICAL ASSISTANCE FOR PLANS, SPECIFICATIONS AND OTHER REQUIREMENTS FOR FIRST PLACEMENT CYCLE.** Increased level of effort by MES and MES Subcontractors under subcontract to MES. See Attachments 2, 2A and 3 for requested budget increases to complete task.
- 3.10 TASK 10 (CENAB Item 2.2) - SITE SUPPORT AND LOGISTICS.** No change in scope of work by MES and MES Subcontractors. Initial work performed in conjunction with and through Task 18. Extended schedule only. See Attachments 2, 2A and 3 for continuity purposes.
- 3.11 TASK 11 (CENAB Item 2.3.5) – DESIGN CRUST MANAGEMENT PLAN.** Provided by MES and MES subcontractors. No change in scope. See Attachments 2, 2A and 3 for minor budget changes.
- 3.12 TASK 12 (CENAB Item 3.0) – HABITAT DEVELOPMENT PLAN.** No change. See Attachments 2, 2A and 3 for continuity purposes.
- 3.13 TASK 13 (CENAB Item 3.2) – VEGETATIVE MANAGEMENT TECHNICAL ANALYSIS.** Increased level of effort for analytical services to be provided by GBA and GBA subcontractors under subcontract to MES. See Attachments 2, 2A, and 3 for requested budget increases to complete task.
- 3.14 TASK 14 (CENAB Item 3.3) – VEGETATIVE PLANNING.** Increased level of effort for vegetative planning by GBA and GBA Subcontractors under subcontract to MES. See Attachments 2, 2A and 3 for requested budget increases to complete task.
- 3.15 TASK 15 (CENAB Item 5.2.1) – TECHNICAL AND MEETING SUPPORT.** No change. See Attachments 2, 2A and 3 for continuity purposes.

3.16 TASK 16 (CENAB ITEM 5.4) – INTERORGANIZATIONAL SUPPORT. No change. See Attachments 2, 2A and 3 for continuity purposes.

3.17 TASK 17 - PLANNING AND IMPLEMENTATION LOGISTICS AND GENERAL SUPPORT. Increase in scope of work to include other logistics support and specialized equipment. Services will be provided by or through MES. See Attachments 2, 2A and 3 for requested budget increases to extend services through December 31, 2001.

4.0 SCOPE OF WORK.

4.1 MES and MES subcontractors will provide the services specified in the MES Scope of Work (Attachment 1) and Subcontractor Scope of Work (Attachment 1A) of MES Proposal ED-08C-00, previously approved by the MPA, and incorporated by reference.

4.2 MES and MES subcontractors will provide the additional services specified in MES Supplemental Scope of Work (Attachment 1) and MES Subcontractor Scope of Work (Attachment 1A) of this proposal.

4.3 It is anticipated that work on tasks and subtasks may be refined from that indicated in the Scope of Work based upon guidance received from the MPA and CENAB in support of the joint planning process, advice from advisory groups, and availability of supporting materials from other sources relative to activation of the Poplar Island ERP.

4.4 MES will advise of the need for and accept requests for modification of task elements for approved tasks, within the task scope of work and available budget, from the Manager, Harbor Development or the MPA task manager designated by the Manager, Harbor Development.

4.5 MES will accept requests for the preparation of additional task scopes of work from the Manager, Harbor Development or the MPA project managers designated by the Manager, Harbor Development. Work on accepted tasks will begin upon concurrence of the Manger, Harbor Development.

5.0 STAFFING

5.1 Principals.

5.1.1 The Director, Maryland Environmental Service, and the Director, Environmental Services and Waste Management (ES&WM) Program, will provide executive-level policy and coordination services at no direct cost to the MPA.

- 5.1.2 Technical services provided by agency principals are not anticipated. Should technical services by the Director, ES&WM Program, become necessary, they would be charged at the labor rate for the Director's services.

5.2 Project, Task and Contract Management.

- 5.2.1 Dr. Stephen Storms, Ph.D, will serve as the overall MES Project Manager, replacing Mr. Kevin Wikar, who has completed services with MES. Dr. Storms will also manage selected tasks and provide technical services. Project management assistance will be provided by various staff to track work performed, budgets, and invoices and to prepare documentation.
- 5.2.2 Mr. Wayne Young, Director, Environmental Dredging Division, will serve as the MES principal administrative contact for work performed under the Interagency Agreement by MES and MES subcontractors. He will also provide senior planning, technical and review services.
- 5.2.3 Dr. Stephen Storms will continue to coordinate environmental aspects of work under this proposal on an interim basis and will be assisted by various members of the MES professional staff.
- 5.2.4 Qualified members of the MES professional, technical and field staffs will assist in the management and performance of various task elements and subcontracted services.

5.3 Planning and Technical Services.

- 5.3.1 Primary services will be provided by the Environmental Dredging Division and the Engineering and Program Development Division professional and technical staffs of the Environmental Services and Waste Management Program. MES services will be provided on a cost reimbursable basis.
- 5.3.2 Environmental, technical and planning support will be provided on an as needed basis by other members of the MES professional, technical and field staffs.
- 5.3.2 Supplemental planning, technical and implementation services may provided by qualified subcontractors upon concurrence of the MPA.

5.4 Subcontracted Work.

- 5.4.1 MES will seek the concurrence of the MPA for subcontracted services not included with this submission.

5.4.2 Subcontracted work will be provided on a fixed price basis, with certain of this work performed on an indefinite delivery basis to accommodate variable conditions. Prospective subcontractors will be required to provide supporting materials as needed to enable an assessment of their cost estimates and to establish a basis for tracking performance and deliverables. Principal contractors will be requested to provide payroll burden and overhead rate billing documentation requested by Mr. Hamons letter to MES dated October 5, 2000.

5.4.3 Subcontracted services currently needed are included in the attached cost estimate.

5.4.4 Subcontractor cost estimates for work not included in this proposal will be obtained from qualified vendors and provided to the MPA for approval.

6.0 SCHEDULE

6.1 **Duration.** The initial tasks under the interagency agreement are proposed to commence for record purposes on January 1, 2000, and to run concurrently with Interagency Agreement between the MPA and MES unless completed earlier.

6.2 **Schedule.** The time frame for subtasks may change based on the availability of supporting materials from other providers, changes in project sponsor planning needs, the results of planning activities, and other related factors.

7.0 DELIVERABLES

7.1 **Deliverables Required by Interagency Agreement.** MES will provide the MPA with financial documentation specified by the Interagency Agreement.

7.2 **Task Deliverables.** MES and MES subcontractors will provide deliverables specified in the attached Scope of Work and additional deliverables that are agreed to by the MPA and MES.

8.0 ACCEPTANCE

8.1 Upon acceptance of this proposal by the MPA, MES will assume responsibility for and undertake the scope of work detailed in this proposal. The MPA will assume responsibility for funding.

9.0 BUDGET.

9.1 Budget.

- 9.1.1** A budget increase of \$1,367,128 is requested for Tasks 1 through 17. The overall budget for these tasks would be increased from \$891,844 to \$2,258,984 as delineated in Attachments 2, 2A and 3.
- 9.1.2** This budget is a planning estimate. Actual level of effort will depend upon the level of services required by the MPA. Changes in the scope of work, including field-level services, and unanticipated conditions would necessitate changes in the cost estimates presented in this proposal.
- 9.1.3** A detailed cost estimate comparison is included as Attachment 3. Cost estimates provided by subcontractors as part of fixed price estimates are included as Attachment 2A.
- 9.1.4** Rental Charges for Certain Resources.
- 9.1.4.1** The budget includes rental charges for certain equipment that is recorded on MPA capital equipment lists and for which MES holds custodial title for use on MPA-funded projects. The equipment includes vehicles, boats and specialized that would be temporarily reassigned, with MPA concurrence, to support initial implementation of the Poplar Island project.
- 9.1.4.2** Rental charges cover routine maintenance and repair as well as normal wear on the equipment and are intended to establish the value of services provided by the local sponsor to planning and implementation of the Poplar Island ERP.
- 9.1.4.3** For planning purposes, rental charges (less direct maintenance and repair at normal rates of wear and fuel expenses) will be charged to the Poplar Island ERP and credited to the MPA project from which the equipment was obtained. For planning purposes, 50 percent of rental rates are allocated to operations, maintenance and repair and will be retained in the Poplar Island ERP budget. The remaining 50 percent will be credited to the MPA source project which funded procurement of the equipment. Equipment assigned to Poplar Island is experiencing abnormal wear due to site specific conditions. High-cost replacement items which are wear dependent and which are experiencing abnormally high wear due to site-specific conditions will be charged as a direct cost to the project rather than as a component of rental rates.

9.2 MES Labor. The cost estimate for MES labor is presented in Attachment 3.

- 9.2.1** An MES overhead rate of 45%, representing the estimated average step-down overhead rate for MPA in FY 2000, is used for planning purposes only to

establish the approximate cost of MES labor for this task. The rate is subject to change based on cost recovery arrangements between the MPA and MES.

9.2.2 A fringe rate of 44.1% is applied for indirect costs in FY 01.

9.3 MES Labor for Subsequent Outyears, if needed. Cost estimates and budget requests for outyears will be coordinated with the MPA and provided to the MPA for review and approval in advance of need.

9.3 Subcontracted Services.

9.3.1 Subcontracted work will be performed on a fixed price basis. MES will obtain negotiated price estimates with supporting backup from qualified contractors.

9.3.2 MES will provide the Service's recommendation to the MPA to support evaluation and authorization of requested subcontracted work.

10.0 MODIFICATIONS

10.1 Should unforeseen conditions arise which necessitate work outside the scope of work or budget presented in this proposal, MES will detail those changes to the MPA with an estimate of any additional costs, as necessary and appropriate. Changes to the original scope of work and budget will be documented through correspondence between the MPA and MES and will become part of task and contract documentation.

ATTACHMENT 1

**MES SUPPLEMENTAL SCOPE OF WORK WITH
JUSTIFICATIONS FOR TASK AMENBMENT #1
FOR TASKS 1 TO 17**

Task Amendment Number 1 SUPPLEMENTAL SCOPE OF WORK WITH JUSTIFICATIONS

ENVIRONMENTAL, PLANNING, TECHNICAL AND IMPLEMENTATION SERVICES FOR POPLAR ISLAND ENVIRONMENTAL RESTORATION PROJECT

October 25, 2000

Summary of Previously Authorized Services: The Maryland Environmental Service (MES) and MES subcontractors will continue to provide environmental, planning, technical and implementation services to the federal and local project sponsors of the Poplar Island Environmental Restoration Project (ERP) in support of planning and implementation of the project, habitat development, and subsequent site operations. Services will be those that are mutually agreed to by the MPA (in consultation with the Baltimore District, U.S. Army Corps of Engineers [CENAB]) and MES, and will be provided to the project sponsors through the Maryland Port Administration (MPA).

Sixteen initial tasks (Tasks 1 through 16) and a logistics/general support task in support of planning and implementation activities (Task 17) were included in MES Proposal Number ED-08C-00 dated April 19, 2000, are incorporated by reference. Tasks 1 through 17 were approved by the MPA and initiated under the Interagency Agreement between the MPA and MES. The General Coordinating and Special Instructions contained in MES Proposal No. ED-08C-00 are also incorporated by reference.

MES proposes to continue Tasks 1 through 17 at the increased levels of effort and funding proposed in Attachment 2 and 2A to MES Proposal Number ED-03-01 dated October 25, 2000. MES proposes modifications to the scope of work for selected tasks as presented in this attachment. All seventeen tasks are presented for continuity purposes.

MES services will continue to be provided on a cost recovery basis in accordance with the agreement between the MPA and MES. MES subcontracted services will be provided on a fixed price basis, including certain tasks or portions thereof that may be performed on an indefinite delivery basis not to exceed task budgets authorized by the MPA.

TASK 1 PROJECT PLANNING, TECHNICAL, ENVIRONMENTAL AND ADMINISTRATIVE SERVICES.

Summary of Previously Authorized Services: MES and MES subcontractors will provide qualified staff to assist in the scoping and planning of implementation needs, participate in Poplar Island ERP Joint Planning Team meetings, and to report on the status of tasks for which MES and its subcontractors are providing services. MES and MES subcontractors will provide supplemental planning, environmental, engineering and technical services on request to assist with implementation of the Poplar Island ERP. Subcontracted services, when requested, will be provided on an indefinite delivery basis not to exceed the budget specified for this task.

Requested Modifications:

Subtask 1.1 Joint Planning Team Support.

- Subtask Scope of Work. No change to subtask scope of work.
- Level of Effort: Additional funding is requested for MES and MES subcontractor services through December 31, 2001 per Attachment 2 and 2A. The level of effort required thereafter will be determined at a later date in consultation with the MPA.
- Justification: Planning and implementation for Phase One will need to be extended through the initial inflow; evaluation of underdrain performance; development and evaluation of the wetland test cell; development and refinement of operations, site maintenance, and crust management plans tailored for the facility; planning for wetland cell development; and long-term logistics planning and implementation. Continuing funding is needed for a combination of contract management meetings for the MPA-sponsored MES and MES subcontractor planning and implementation team and for joint team meetings with CENAB. Approximately one meeting per week with preparation time is included for planning purposes for MES and GBA plus one contract management meeting per month with the MPA.

Subtask 1.2 Supplemental Planning, Environmental, Engineering, Technical and Implementation Services.

- Subtask Scope of Work. **NEW PROJECT DOCUMENTATION REQUIREMENT** requested by the MPA. MES will assemble documentation required by the MPA to support MPA requests for credit for services provided to the project. MES will provide staff as required to support the requested

documentation.

- Level of Effort: Additional funding is requested for MES and MES subcontractor services through December 31, 2001 per Attachment 2 and 2A. The level of effort required thereafter will be determined at a later date in consultation with the MPA.

- Justification: Supplemental services not specifically covered by the task scopes of work have been needed in order to respond to unique site-specific conditions and issues and are anticipated to continue to be needed on as needed basis. Modest funding is requested for these contingent items, which will be coordinated with the MPA for concurrence. Also, the MPA has requested additional documentation support from MES to assist in assembling financial information needed by the MPA to obtain credit for MPA-sponsored services for planning and implementation and other project support.

Subtask 1.3 Planning and Task Management for MES Task 1.

- Subtask Scope of Work. No change to subtask scope of work.

- Level of Effort: Additional funding is requested for MES and MES subcontractor services through December 31, 2001 per Attachment 2 and 2A. The level of effort required thereafter will be determined at a later date in consultation with the MPA.

- Justification: Monthly documentation will be required corresponding to reporting requirements to the MPA.

TASK 2 LONG-TERM MONITORING (CENAB Item 1.4)

Summary of Previously Authorized Services: MES will provide long-term monitoring planning and water quality certification support.

Requested Modifications:

Subtask 2.1 CENAB Item 1.4.1 - Long Term Monitoring Framework:

- Subtask Scope of Work. No change to subtask scope of work.
- Level of Effort: Additional funding is requested for completion of MES services.
- Justification: More extensive coordination has been required that was originally projected in order to obtain regulatory agency and resource agency agreement with the monitoring framework.

Subtask 2.2 CENAB Item 1.4.2 - Water Quality.

- Subtask Scope of Work. No change to subtask scope of work.
- Level of Effort: Additional funding is requested for MES per Attachment 2.
- Justification: More extensive coordination has been required that was originally projected in order to obtain regulatory agency approvals for effluent discharge issues.

Subtask 2.3 Planning and Management for MES Task 2/CENAB Item 1.4.

- Subtask Scope of Work. No change to subtask scope of work.
- Level of Effort: Additional funding is requested for MES and MES subcontractor services through December 31, 2001 per Attachment 2.
- Justification: Monthly documentation will be required corresponding to reporting requirements to the MPA.

TASK 3 DEWATERING, UNDERDRAIN AND PUMPING SYSTEM AND DIKE RAISING PLANNING AND DESIGN (CENAB Item 2.1.2).

Summary of Previously Authorized Services. MES will use Gahagan & Bryant Associates, Inc. (GBA) to prepare a dewatering plan, and to plan and design an underdrain and pumping system and dike raising for Upland Cell Number 2. GBA will utilize existing field data and site-specific knowledge of dewatering and construction activities during construction of Phase One of the Poplar Island ERP to prepare alternative plans, cost estimates, design drawings and specifications needed for dike raising along Upland Cell Number 2 and for an underdrain and pumping system in Upland Cell Number 2 to expedite cell dewatering, enhance consolidation of placed sediment, and optimize cell capacity.

Requested Modifications: GBA will provide additional planning and design services to accommodate alternative schedules, plans, cost estimates, drawings and specifications, and other engineering documents needed for the modified dike raising along Upland Cell Number 2 and for an underdrain and pumping system in Upland Cell Number 2. GBA and GBA subcontractor E2Si will also provide on-site technical support requested by the MPA and CENAB for the dike raising and underdrain installation.

Summary of GBA Subtask Modifications. Please refer to Attachment 1A for requested subcontractor scope of work modifications.

GBA Subtask Scope of Work:

GBA Subtask 2.1.2.a (Data review). No change to subtask scope of work. No budget increase required.

GBA Subtask 2.1.2.b (Planning Studies). No change to subtask scope of work. Additional effort and funding required for dike modifications, access ramps.

GBA Subtask 2.1.2.c (Pumping Systems). No change to subtask scope of work. No additional funding.

GBA Subtask 2.1.2.d (Scheduling). No change to subtask scope of work. Additional effort and funding is needed because of the various modifications in the methods and timing of the underdrain and dike raising activity.

GBA Subtask 2.1.2.e (Design). No change to subtask scope of work. Additional effort and funding needed because of changed dike designs.

GBA Subtask 2.1.2.f (Cost Estimates for Dewatering, Underdrain System and

Dike Raising). No change to subtask scope of work. No additional funding.

GBA Subtask 2.1.2.g (Plans and Specifications for Dike Raising and Underdrain System). No change to subtask scope of work. No additional funding.

GBA Subtask 2.1.2.h (On-Site Planning & Design Visits and Meetings for Underdrain Installation and Dike Raising). No change to subtask scope of work. Additional level of effort and funding required to provide technical support requested by the MPA and CENAB.

GBA Subtask 2.1.2.i (Task 2.1.2 Planning and Task Management). No change to subtask scope of work. Monthly documentation will be required corresponding to reporting requirements to MES.

Level of Effort: Additional funding is requested for MES, GBA and GBA subcontractor services through December 31, 2001 per Attachment 2 and 2A.

Planning and Task Management for MES Task 3/CENAB Item 2.1.2.

- Subtask Scope of Work. No change to subtask scope of work.
- Level of Effort: Additional funding is requested for MES and MES subcontractor services through December 31, 2001 per Attachment 2 and 2A.
- Justification: Monthly documentation will be required corresponding to reporting requirements to the MPA.

TASK 4 WETLAND FIELD DATA (CENAB Item 2.1.4)

Summary of Previously Authorized Services. MES will use Gahagan & Bryant Associates, Inc. (GBA) to develop wetland field data. GBA will procure a qualified geotechnical subcontractor and, prior to the first filling operation, collect and analyze geotechnical data from Poplar Island ERP Wetland Cells 1 and 3 and from borrow areas where unsuitable materials were placed during Phase One construction.

Requested Modifications: None.

Summary of GBA Subtask Modifications. None.

TASK 5 BASELINE PSDDF MODELING AND CELL CAPACITIES (CENAB Item 2.1.5)

Summary of Previously Authorized Services. MES will use Gahagan & Bryant Associates, Inc. (GBA) for baseline PSDDF modeling to estimate cell capacities. GBA will use first-hand knowledge of site-specific unique conditions, existing data, and new field data to perform PSDDF modeling to develop and analyze alternative placement procedures.

Requested Modifications: GBA will use first-hand knowledge of site-specific unique conditions, existing data, and new field data to perform additional PSDDF modeling to develop and analyze alternative placement procedures based on changed site scheduling, design and other site modifications. MES will provide additional planning and task management services.

Summary of GBA Subtask Modifications. Please refer to Attachment 1A for requested subcontractor scope of work modifications.

GBA Subtask Scope of Work:

GBA Subtask 2.1.5.a (PSDDF Modeling Plan). No change to subtask scope of work. No additional funding.

GBA Subtask 2.1.5.b (PSDDF Modeling). No change to subtask scope of work. Additional effort and funding required corresponding with changes to CENAB dredging projects for first inflow into Phase I cells.

GBA Subtask 2.1.5.c (Assessment of Dredged Material Elevations). No change to subtask scope of work. Additional effort and funding required to apply PSDDF modeling data.

GBA Subtask 2.1.5.d (Phase One Cell Volume and Capacity Tables). No change to subtask scope of work. Additional effort and funding required to reflect changes to cell volume and capacity.

GBA Subtask 2.1.5.e (Elevations Modeling Report). No change to subtask scope of work. Additional effort and funding required to revise Elevations Modeling Report.

GBA Subtask 2.1.5.f (Task 2.1.5 Planning and Task Management). No change to subtask scope of work. Monthly documentation will be required corresponding to reporting requirements to MES.

Level of Effort: Additional funding is requested for MES, GBA and GBA subcontractor services through December 31, 2001 per Attachment 2 and 2A.

Planning and Task Management for MES Task 5/CENAB Item 2.1.5.

- Subtask Scope of Work. No change to subtask scope of work.
- Level of Effort: Additional funding is requested for MES and MES subcontractor services through December 31, 2001 per Attachment 2 and 2A.
- Justification: Monthly documentation will be required corresponding to reporting requirements to the MPA.

TASK 6 PLAN AND DESIGN MARSH (CENAB Item 2.1.6)

Summary of Previously Authorized Services. MES will use Gahagan & Bryant Associates, Inc. (GBA) to plan and design Phase One wetland habitat. GBA will use and integrate knowledge of site-specific unique and undocumented as-built conditions, existing data, new field data, and modeling results to develop and analyze alternative placement procedures and their effect on the development of site habitats and site capacity, balancing environmental objectives with engineering capabilities and techniques. GBA will prepare a conceptual habitat construction plan and an evaluative report with analysis and recommendations to guide the development of a Material Placement Plan for the first dredged material placement cycle at the Poplar Island EPR.

Requested Modifications:

- Subtask Scope of Work. No change to subtask scope of work. MES will provide additional coordination and review services and technical support for the below listed subtasks.

GBA Subtask 2.1.6.a (Marsh Construction and Technical Analysis)

GBA Subtask 2.1.6.b (Water Level Control and Effluent Quality Techniques)

GBA Subtask 2.1.6.c (Concept Plan for Marsh Construction)

- Level of Effort: Additional funding is requested for MES services per Attachment 2 and 2A.
- Justification: The uncertainty associated with marsh development and water level control issues and wetland spillway deficiencies resulted in a need for MES technical, coordination and review support above originally estimated levels of effort.

Summary of GBA Subtask Modifications. None. Sufficient funds remain to complete task based on current estimates.

Planning and Task Management for MES Task 6/CENAB Item 2.1.6.

- Subtask Scope of Work. No change to subtask scope of work.
- Level of Effort: Additional funding is requested for MES services per Attachment 2 and 2A.
- Justification: Monthly documentation will be required corresponding to reporting requirements to the MPA.

**TASK 7 MATERIAL MANAGEMENT PLAN FOR FIRST DREDGING CYCLE
(CENAB Item 2.1.7)**

Summary of Previously Authorized Services. MES will use Gahagan & Bryant Associates, Inc. (GBA) to develop a material management plan for the first dredging cycle. GBA will prepare a material management plan for the first dredged material placement cycle at the Poplar Island ERP.

Requested Modifications: GBA will perform additional planning and design, as requested, for the Material Management Plan for the first dredged material placement cycle at the Poplar Island ERP. This information will be designed to provide the resource needed to facilitate tracking, review and revision of placement plans during placement.

Summary of GBA Subtask Modifications. Please refer to Attachment 1A for requested subcontractor scope of work modifications.

GBA Subtask Scope of Work:

GBA Subtask 2.1.7.a (Placement Methods). No change.

GBA Subtask 2.1.7.b (Phase One Cell Volume and Potential Capacity). No change.

GBA Subtask 2.1.7.c (Wetland Cell Filling Procedures). No change.

GBA Subtask 2.1.7.d (Upland Cell Filling Procedures)

GBA Subtask 2.1.7.e (Material Placement Plan for Dredged Material Placement Cycle). No change.

GBA Subtask 2.1.7.f (Plan and Design Dredged Material Fill Area for Future Use as a Test Plot)

- Subtask Scope of Work. No change to subtask scope of work. GBA will develop a revised placement methodology based on results of GBA Subtasks 2.1.3 through 2.1.6.
- Level of Effort: Additional funding is requested for MES and MES subcontractor services through December 31, 2001 per Attachment 2 and 2A.
- Justification: Changed dredging and placement schedules necessitated revisions to initial deliverables.

GBA Subtask 2.1.7.g (Task 2.1.7 Planning and Task Management). No change to subtask scope of work. Monthly documentation will be required corresponding to reporting requirements to MES.

Level of Effort: Additional funding is requested for MES, GBA and GBA subcontractor services through December 31, 2001 per Attachment 2 and 2A.

Planning and Task Management for MES Task 7/CENAB Item 2.1.7.

- Subtask Scope of Work. No change to subtask scope of work.
- Level of Effort: Additional funding is requested for MES and MES subcontractor services through December 31, 2001 per Attachment 2 and 2A.
- Justification: Monthly documentation will be required corresponding to reporting requirements to the MPA.

**TASK 8 FILLING SCHEDULE AND QUANTITIES FOR FIRST PLACEMENT
CYCLE (CENAB Item 2.1.8)**

Summary of Previously Authorized Services: MES will use Gahagan & Bryant Associates, Inc. (GBA) to develop a filling schedule and quantities for the first placement cycle. GBA will obtain and analyze dredging volume data for prospective dredging activity and prepare a filling schedule and quantities estimate that adapts the material management plan from CENAB Task 2.1.7 to receive expected sediment quantities, including overdepth and excess dredging volumes.

Requested Modifications: None.

Summary of GBA Subtask Modifications. None.

TASK 9 TECHNICAL ASSISTANCE FOR PLANNING FIRST PLACEMENT CYCLE
(Time-critical subtasks selected from CENAB Items 2.1 and 2.3)

Summary of Previously Authorized Services: MES and MES subcontractors will provide technical assistance for plans and specifications for the first placement cycle as indicated in the following subtasks.

Requested Modifications: None.

Summary of GBA Subtask Modifications. None.

Summary of MES Requested Modifications:

Subtask 9.1 CENAB Item 2.1.9 – Technical Assistance for Plans and Specifications for Dredging. No change.

Subtask 9.2 CENAB Item 2.1.11 - Water Quality Monitoring.

- Subtask Scope of Work. No change to subtask scope of work.
- Level of Effort: Additional funding is requested for completion of MES services per Attachment 2.
- Justification: Additional effort required to address issues associated with monitoring requirements specified by MDE.

Subtask 9.3 CENAB Item 2.3.15 - Rules and Regulations for Dredging Contractors.

- Subtask Scope of Work. No change to subtask scope of work.
- Level of Effort: Additional funding is requested for completion of MES services per Attachment 2.
- Justification: Additional effort required over that originally estimated to address site-specific issues.

Subtask 9.4 CENAB item 2.3.16 - Unexploded Ordnance Polices and Procedures.

- Subtask Scope of Work. No change to subtask scope of work.

- Level of Effort: Additional funding is requested for completion of MES services per Attachment 2.
- Justification: Additional effort required to respond to requests for CENAB requested modifications of deliverable.

Subtask 9.5 CENAB Item 2.3.17 - Reports and Documentation Assessment.

- Subtask Scope of Work. No change to subtask scope of work.
- Level of Effort: Additional funding is requested for completion of MES services per Attachment 2.
- Justification: Additional effort beyond that originally estimated will be needed to complete the task.

Subtask 9.6 Water Appropriation Permit (no CENAB Item Number).

- Subtask Scope of Work. No change to subtask scope of work.
- Level of Effort: Additional funding is requested for completion of MES services per Attachment 2.
- Justification: Additional effort beyond that originally estimated will be needed to complete the task.

Subtask 9.7 Planning and Task Management for MES Task 9

- Subtask Scope of Work. No change to subtask scope of work.
- Level of Effort: Additional funding is requested for MES and MES subcontractor services through December 31, 2001 per Attachment 2 and 2A.
- Justification: Monthly documentation will be required corresponding to reporting requirements to the MPA.

TASK 10 SITE SUPPORT AND LOGISTICS (CENAB Item 2.2)

Summary of Previously Authorized Services. MES will provide various site support and logistics planning services.

Requested Modifications: None for the following MES subtasks.

- Subtask 10.1 CENAB Item 2.2.1 - Buildings.**
- Subtask 10.2 CENAB Item 2.2.2 – Offloading Dock.**
- Subtask 10.3 CENAB Item 2.2.3 – Public Observation Structure**
- Subtask 10.4 CENAB Item 2.2.3 – Phone/Power**
- Subtask 10.5 CENAB ITEM 2.2.6 - Navigation Aids**
- Subtask 10.6 CENAB Item 2.2.7 - Fuel Supply**
- Subtask 10.7 CENAB Item 2.2.8 - Transportation**
- Subtask 10.8 CENAB Item 2.2.9 - Communications Plan**
- Subtask 10.9 CENAB Item 2.2.10 - Land Base**
- Subtask 10.10 Planning and Task Management for MES Task 10**

Summary of GBA Subtask Modifications. None.

TASK 11 CENAB Item 2.3.5 - DESIGN CRUST MANAGEMENT PLAN

Summary of Previously Authorized Services. MES will prepare a comprehensive concept plan for crust management of the upland cells of the Poplar Island ERP. The concept plan will be designed to provide the framework for the preparation of individual crust management plans that will be needed for each dredging cycle to address site-specific needs relative to planned placement activity.

Requested Modifications:

Subtask 11.1 Crust Management Concept Plan for Long-Term Site Operations. No change to scope of work or budget.

Subtask 11.2 Operations Planning and Documentation.

- Subtask Scope of Work. NEW SUBTASK for operations planning and documentation support requested by the MPA to include an outline for an operations plan/manual, and development of a plan or manual, if requested.
- Level of Effort: Additional funding is requested for MES and MES subcontractor services through December 31, 2001 per Attachment 2.
- Justification: Additional operations planning services requested by the MPA.

TASK 12 PHRAGMITES CONTROL (CENAB Item 3.1)

Summary of Previously Authorized Services. MES will monitor and report on the growth of Phragmites and, if requested, other invasive species. MES will, upon request provide Phragmites eradication services using MES and subcontracted services. Services will be provided by MES and MES subcontractors on an indefinite delivery basis not to exceed the budget specified for this task in order to accommodate uncertainty associated with the voluntary growth and eradication of invasive species. Actual services may vary from those indicated by mutual agreement in coordination with project sponsors in response to variable on-site conditions. Cost estimates may be revised as may be necessary to reflect these uncertainties before work begins on individual subtasks.

Requested Modifications: None to scope of work or budget.

TASK 13 VEGETATIVE MANAGEMENT TECHNICAL ANALYSIS (CENAB Item 3.2)

Summary of Previously Authorized Services. MES will use Gahagan & Bryant Associates, Inc. (GBA) and GBA subcontractors to prepare and provide a vegetative management technical analysis. The analysis will review time-critical vegetation issues that need to be addressed prior to the first filling cycle in order to develop related filling guidelines. MES will modify the preliminary Habitat Development Framework Guidance Document that was previously prepared to incorporate existing site conditions. The results will be utilized in support of CENAB Task Items 2.1.7 and 2.1.9. MES will also provide technical review services and coordination with working groups in support of this task.

Requested Modifications: GBA will provide additional vegetative management technical analysis. The analysis will review time-critical vegetation issues that need to be addressed prior to the first filling cycle in order to develop related filling guidelines. The results will be utilized in support of CENAB Items 2.1.7 and 2.1.9. Additional coordination and review required by MES.

Summary of GBA Subtask Modifications:

GBA Subtask Scope of Work:

Subtask 13.1 CENAB item 3.2.1 - Preliminary Vegetative Management Analysis. No change to subtask scope of work or budget.

Subtask 13.2 CENAB 3.2.2 – Hydraulic Analysis for Flow and Channel Geometry for Wetland Development.

- Subtask Scope of Work. EXPANDED TASK. GBA will provide additional hydraulic analysis for flow and channel geometry for wetland development per Attachment 1A.
- Level of Effort: Additional funding is requested for MES and GBA technical, analytical and review services through December 31, 2001 per Attachment 2 and 2A.
- Justification: Modification to wetland development cell necessitate substantially revised hydraulic analysis.

Subtask 13.3 Planning, Technical Review, and Task Management for MES Task 13/CENAB item 3.2.

- Subtask Scope of Work. No change to subtask scope of work.
- Level of Effort: Additional funding is requested for MES and MES subcontractor services through December 31, 2001 per Attachment 2 and 2A.
- Justification: Monthly documentation will be required corresponding to reporting requirements to the MPA.

Subtask 13.4 Habitat Development Framework.

- Subtask Scope of Work. No change to scope of work. MES will provide additional technical development services requested by project sponsors.
- Level of Effort: Additional funding is requested for MES technical services per Attachment 2.
- Justification: Needed to complete tasks with revisions per requests from project sponsors.

TASK 14 VEGETATIVE PLANNING (CENAB Item 3.3)

Summary of Previously Authorized Services. MES will use Gahagan & Bryant Associates, Inc. (GBA) and qualified subcontractors to provide technical support to the project sponsors to assist in vegetative planning for site-specific conditions. The objective of this task is to establish vegetation testing criteria and design parameters for the future development wetland habitat in the wetland cells, drawing on first-hand knowledge of undocumented as-built and other site-specific conditions, habitat objectives for the project, and associated technical advice from pertinent advisory groups and technical experts. MES will provide technical review services and coordination with working groups in support of this task.

Requested Modifications: GBA will provide additional technical support to the project sponsors through MES to assist in vegetative planning for site-specific conditions. The objective of this task is to establish vegetation testing criteria and design parameters for the future development of wetland habitat in the wetland cells, drawing on first-hand knowledge of undocumented as-built and other site-specific conditions. MES will provide additional technical support, review and task management services.

Summary of GBA Subtask Modifications. Please refer to Attachment 1A for requested subcontractor scope of work modifications.

GBA Subtask Scope of Work:

GBA Subtask 3.1.1 - CENAB Item 3.3.1 (Design Test Plant Zones). No change to subtask scope of work or budget.

GBA Subtask 3.3.2 - CENAB Item 3.3.2 (Review, Plan and Design Nursery). No change to scope of work. Additional effort needed per Attachment 1A.

GBA Subtask 3.3.3 - CENAB Item 3.3.3 (Preliminary Vegetation Design). No change to scope of work. Additional effort required to address site-specific and area-specific issues.

Level of Effort: Additional funding is requested for MES, GBA and GBA subcontractor services through December 31, 2001 per Attachment 2 and 2A.

Subtask 14.4 Planning, Technical Review, and Task Management for MES Task 14/CENAB Item 3.3.

- Subtask Scope of Work. No change to subtask scope of work.

- Level of Effort: Additional funding is requested for MES and MES subcontractor services through December 31, 2001 per Attachment 2 and 2A.
- Justification: Monthly documentation will be required corresponding to reporting requirements to the MPA.

TASK 15 CENAB Item 5.2 – PUBLIC MEETINGS TECHNICAL AND MEETING SUPPORT

Summary or Previously Authorized Services. MES will, upon request, provide qualified staff to provide public relations support that is mutually agreeable to the MPA and MES in response to requests for these services from the MPA on behalf of the project sponsors.

Requested Modifications:

Subtask 15.1 Public Meetings Technical and Meeting Support – CENAB Item 5.2.

- Subtask Scope of Work. No change to subtask scope of work.
- Level of Effort: Additional funding is requested for MES and MES subcontractor services through December 31, 2001 per Attachment 2. The level of effort required thereafter will be determined at a later date in consultation with the MPA.
- Justification: Additional support as required to support project sponsors public involvement and information activities for the project.

TASK 16 INTERORGANIZATIONAL SUPPORT (CENAB Item 5.4)

Summary of Previously Authorized Services: MES will, upon request, provide qualified staff to provide inteogranizational support that is mutually agreeable to the MPA and MES in response to requests for these services from the MPA on behalf of the project sponsors.

Requested Modifications:

Subtask 16.1 CENAB Item 5.4.1 - Poplar Island Habitat Sub-Group.

- Subtask Scope of Work. No change to subtask scope of work.
- Level of Effort: Additional funding is requested for MES services through December 31, 2001 per Attachment 2. The level of effort required thereafter will be determined at a later date in consultation with the MPA.
- Justification: Additional support as required to support interorganizational coordination in support of project implementation by project sponsors.

Subtask 16.2 CENAB Item 5.4.2 - Poplar Island Monitoring Sub-Group.

- Subtask Scope of Work. No change to subtask scope of work.
- Level of Effort: Additional funding is requested for MES and MES subcontractor services through December 31, 2001 per Attachment 2. The level of effort required thereafter will be determined at a later date in consultation with the MPA.
- Justification: Additional support as required to support interorganizational coordination in support of project implementation by project sponsors.

Subtask 16.3 CENAB Item 5.4.3 - Poplar Island Working Group.

- Subtask Scope of Work. No change to subtask scope of work.
- Level of Effort: Additional funding is requested for MES and MES subcontractor services through December 31, 2001 per Attachment 2. The level of effort required thereafter will be determined at a later date in consultation with the MPA.

- Justification: Additional support as required to support interorganizational coordination in support of project implementation by project sponsors.

TASK 17 PLANNING AND IMPLEMENTATION LOGISTICS AND GENERAL SUPPORT (No CENAB Item Number)

Summary of Previously Authorized Services. MES may provide logistics and general support from MES resources and contracted services as may be necessary and appropriate to support the performance of environmental, planning, technical and implementation services included in this Scope of Work. These services may be primary or supplemental in nature, and may include but are not necessarily limited to:

Requested Modifications:

Subtask 17.1 Vehicle Lease/Rental Service

- Subtask Scope of Work. No change to subtask scope of work.
- Level of Effort: As required. Additional funding is requested for MES and MES subcontractor services through December 31, 2001 per Attachment 2. The level of effort required thereafter will be determined at a later date in consultation with the MPA.
- Justification: Continuing vehicle support for logistics support and on-site transportation will be required to support continuing planning and implementation services and Quality Assurance/Quality Control (QA/QC) technical support to Poplar Island ERP Phase II construction by the MPA, MES and MES subcontractors. The logistics support may also be provided on a cost recovery basis in support of MES and MES subcontractors providing spillway operations, environmental monitoring and other support to the MPA and CENAB for the initiation of cell filling.

Subtask 17.2 Boat Service/Rental

- Subtask Scope of Work. No change to subtask scope of work.
- Level of Effort: As required. Additional funding is requested for MES and MES subcontractor services through December 31, 2001 per Attachment 2. The level of effort required thereafter will be determined at a later date in consultation with the MPA.
- Justification: Continuing marine access services will be required to support continuing planning and implementation services and Quality Assurance/Quality Control (QA/QC) technical support to Poplar Island ERP Phase II construction by

the MPA, MES and MES subcontractors. The marine access support may also be provided on a cost recovery basis in support of MES and MES subcontractors providing spillway operations, environmental monitoring and other support to the MPA and CENAB for the initiation of cell filling.

Subtask 17.3 Other Logistics Support

- Subtask Scope of Work. **NEW SUBTASK REQUESTED** in order to provide continuing logistics, land base, and other logistics support in conjunction with the phase out and completion of Task 18 through which these services have been primarily provided to date.
- Level of Effort: As required from MES and MES subcontractors through December 31, 2001 per planning estimate contained in Attachment 2. The level of effort required thereafter will be determined at a later date in consultation with the MPA.
- Justification: Continuing logistics services will be required to support continuing planning and implementation services and Quality Assurance/Quality Control (QA/QC) technical support to Poplar Island ERP Phase II construction. The logistics support may also be provided on a cost recovery basis in support of MES and MES subcontractors providing spillway operations, environmental monitoring and other support to the MPA and CENAB for the initiation of cell filling.

Subtask 17.4 Special Equipment

- Subtask Scope of Work. **NEW SUBTASK REQUESTED** in order to provide support from special equipment following the phase out and completion of Task 18 through which these services have been primarily provided to date.
- Level of Effort: Additional funding is requested for MES and MES subcontractor services through December 31, 2001 per Attachment 2. The level of effort required thereafter will be determined at a later date in consultation with the MPA.
- Justification: Use of specialized equipment maintained for MPA dredged material management projects by MES and other specialized equipment is anticipated to support wetland development testing, dike maintenance and repair, and other planning and implementation activities. Special equipment needs are also anticipated in support of MES and MES subcontractors providing spillway operations, environmental monitoring and other support to the MPA and CENAB

for the initiation of cell filling. Support for these latter activities would be on a cost recovery basis.

Subtask 17.5 vacant (reserved for future needs)

ATTACHMENT 1A

**MES SUBCONTRACTOR SUPPLEMENTAL SCOPE
OF WORK**

October 12, 2000

Mr. Wayne Young
Maryland Environmental Service
2011 Commerce Park Drive
Annapolis, MD 21401

Re: Poplar Island Restoration Project Site Development Plan
MES Proposal No. ED-08B-00
Request for Additional Budget for the ("*First Stage Additional Budget*")
Period June 1, 2000 through December 31, 2001.

Dear Mr. Young:

Please find attached herewith our documentation of requested additional work and request for additional budget for the above referenced work, to continue to provide engineering and technical planning services for existing tasks through 2001.

A significant addition level of effort for general and specific tasks for planning has been requested by MES, MPA and CENAB. The attached text describes the additional requested work and justification, by task and sub task. The attached budget estimates outline the existing tasks, which required additional effort to date, and projections through December 31, 2001.

In the interim we do hereby request to reprogram available budget line items to allow for actual billings to date.

If you have any questions regarding this request, please feel free to contact me.

Very Truly Yours,
GAHAGAN & BRYANT ASSOCIATES, INC.

Dennis C. Urso, P.E.
Vice President.

GBA TASK 1: PROJECT PLANNING SERVICES

SUMMARY: Addition level of effort for planning has been requested by MES, MPA and CENAB. In order to perform additional requested work GBA will provide additional qualified staff to assist in the scoping and planning of implementation needs, participate in Poplar Island ERP Joint Planning Team meetings and to report on the status of tasks for which GBA and GBA subcontractors are providing services.

Task 1.1 Additional Joint Planning Team Support. GBA will, attend additional Pre Joint Planning Team meetings, CENAB Joint Planning meetings and other planning meetings (Approximately 60 additional meetings). GBA will, attended additional Pre Joint Planning Team Site Visits (Approximately 15 additional site visits).

GBA will prepare additional documentation, to include: Agenda, schedules, attendance, minutes, revisions to minutes, distribution of minutes, plan drawings, power point presentations, and other documents for Joint Planning Team meetings.

Task 1.2 Supplemental Engineering and Technical Services. Because of the unique and dynamic nature of Poplar Island site conditions and implementation needs, it is anticipated that additional tasks will be developed and requested on an as needed basis. In order to accommodate these prospective needs, GBA and GBA subcontractors, will, upon request, provide additional engineering and technical services and work products for work not forecasted at the time this scope of work was prepared. Certain logistics support for field-level engineering planning and implementation activities may also be provided through this subtask to the extent not otherwise available through other tasks and subtasks or from other sources associated with various Poplar Island ERP activities.

Task 1.3 Planning and Task Management.

GBA will provide additional task management documents and justifications. GBA will attend additional task management meetings with MPA, MES and CENAB as requested (approximately 8 additional meetings).

DELIVERABLES: GBA will provide:

- Agendas and minutes for Joint Planning meetings.
- Qualified staff to attend Joint Planning Team meetings and site visits.
- Summary documentation of meetings and site visits, if requested.
- Cost estimates for supplemental engineering and technical services.
- Supplemental engineering and technical service work products.
- Monthly Summary Progress Reports concurrently with invoices.
- Supporting Documentation as requested.

GBA Task 2.2.1: DEWATERING, UNDERDRAIN AND PUMPING SYSTEM AND DIKE RAISING PLANNING AND DESIGN

SUMMARY: GBA will provide additional planning and design services to accommodate alternative schedules, plans, cost estimates, drawings and specifications, and other engineering documents needed for the modified dike raising along Upland Cell Number 2 and for an underdrain and pumping system in Upland Cell Number 2.

Subtask 2.1.2.b Planning Studies. GBA will provide planning and technical assistance, including drawings, sections and area volume calculations, for the following:

- Raised dike modifications at and around the existing and future/modified spillways for upland cell no. 2.
- Access ramps to the raised dike to spillways and to the interior 12ft bench along upland cell no. 2.
- Drainage swale along the exterior toe of the raised dike section at elevation +10.

GBA will prepare plan drawings outlining the above. GBA will prepare and coordinate dike profiles and cross sections to document as built conditions of the raised dike.

Subtask 2.1.2.d Scheduling. Because of the various modifications in the methods and timing for this work, additional production estimates, scheduling and project schedules were prepared. GBA and GBA sub consultants will prepare and provide additional schedules and updates of schedules in Microsoft Project compatible with MPA, MES and CENAB software for underdrain and dewatering system, dike raising, and forecasted dredged material placement.

Subtask 2.1.2.e Design. Because of changed raised dike designs, additional cross sections, area and volume computations for cut and fill quantities, material balances, and plan drawings for the various dike raising alternatives will be prepared.

Subtask 2.1.2.h GBA Task 2.1.2 Planning On Site Meetings and Design Meetings
Because of changed schedules, methods and critical timing, GBA and GBA sub consultants will provide additional on site staff for meetings and visits for underdrain and pumping system and dike raising (GBA approximately 10 meetings, and 10 site visits) (Sub consultants 20 days over 5 months about 1 day per week).

Subtask 2.1.2.i Planning and Task Management. GBA will document task status in sufficient detail to substantiate services provided and associated charges. This will normally be accomplished through monthly progress reports. The progress report shall consist of a standardized format that reports percentage completion for subtasks and deliverables. Supporting materials will be provided upon request to MES if necessary to satisfy MES and MPA task performance and accounting requirements.

DELIVERABLES: GBA will provide:

- By Weekly Schedule Updates with all significant activities
- Profiles, plans and cross sections for dike raising (report)
- Meeting Summaries and Site Visit Summary Reports (memo)

GBA Task 2.1.5: BASELINE PSDDF AND CELL CAPACITIES

SUMMARY: GBA will use first-hand knowledge of site-specific unique conditions, existing data, and new field data to perform Additional PSDDF modeling to develop and analyze alternative placement procedures based on changed site scheduling, design and other site modifications.

Subtask 2.1.5.b PSDDF Modeling. GBA will perform additional PSDDF modeling according to the revised PSDDF modeling plan for various dredged material lifts for two specific material sources (Tolchester and Brewerton dredging projects) as well as runs associated with having just Brewerton material placed. Additional model runs to analyze bulking and shrinkage characteristics of maintenance materials as requested by CENAB. Additional model runs will be performed, as requested to:

- 1) Simulate higher solids content at decant (as observed at other sites)
- 2) Simulate the effect of underdrains in cells 2S and 2M
- 3) Allow for the change in geometry and location of the 3D development cell
- 4) Allow for the removal of bird island(s) within 3D
- 5) Allow for the various changed dike raising geometries
- 6) Allow for unsuitable excavation material to be placed in cell 3.

Dr Znidarcic, with the University of Colorado, was requested to perform additional laboratory consolidation testing on various channel materials to assess various solids content at decant. Further, Dr Znidarcic was requested to perform peer review model runs using CONDESO to compare to random PSDDF runs, as well as a quality control check on the underdrains run for cells 2S and 2M.

Subtask 2.1.5.c Assessment of Dredged Material Elevations. GBA will use the additional data from PSDDF modeling and existing bottom contours of each cell to project and estimate material elevations (for various alternatives and various percentage of low and high marsh) using Terromodel TIN modeling software.

Subtask 2.1.5.d Phase One Cell Volume and Capacity Tables. GBA will prepare additional cell volume and capacity tables that integrate and use bathymetry, topographic data, and aerial photography to compute cell volumes and project cell capacities, based on the above stated changes.

Subtask 2.1.5.e Elevations Modeling Report. GBA will prepare revise the letter report documenting the results of PSDDF modeling and the assessment of dredged material elevations, including cell volume and capacity tables, evaluations, analysis and recommendations, based on above stated changes.

Subtask 2.1.5.f GBA Task 2.1.5 Planning and Task Management.

- GBA will provide additional task status in sufficient detail to substantiate services provided and associated charges. This will normally be accomplished through monthly progress reports. The progress report shall consist of a standardized format that reports percentage completion for subtasks and deliverables. Supporting materials will be provided upon MES request if necessary to satisfy MES and MPA task performance and accounting requirements.

DELIVERABLES: GBA will provide the following

- Revised Cell Volume and Capacity Tables (memo)
- Revised Letter Report for Elevations Modeling (report)
- Additional Meeting Summaries (memo)

GBA will provide the following directly to MES:

- Monthly Summary Progress Reports concurrently with invoices.
- Supporting Documentation, if requested.

GBA Task 2.1.7: MATERIAL MANAGEMENT PLAN FOR FIRST DREDGING CYCLE

SUMMARY: GBA will perform additional planning and design, as requested, for the Material Management Plan for the first dredged material placement cycle at the Poplar Island ERP. This information will be designed to provide the resource needed to facilitate tracking, review and revision of placement plans during placement.

Subtask 2.1.7.f Plan and Design Dredged Material Fill Area for Future Use as a Test Plot. GBA will use the additional and revised results of CENAB Items 2.1.3 through 2.1.6 to identify revised placement methodology that is suitable for inflows projected by the MPA and CENAB which supports habitat development objectives to the maximum extent practicable, including the potential need for multiple filling cycles for the wetland cells to achieve desired elevations. To this end, GBA will identify the revised fill areas for future use as a development cell. The dredged material fill area will be designed to accommodate circulation of water needed to support growth of wetland plants in the development cell.

Subtask 2.1.7.g GBA Task 2.1.7 Planning and Task Management.

GBA will provide additional task status in sufficient detail to substantiate services provided and associated charges. This will normally be accomplished through monthly progress reports. The progress report shall consist of a standardized format that reports percentage completion for subtasks and deliverables. Supporting materials will be provided upon MES request if necessary to satisfy MES and MPA task performance and accounting requirements.

DELIVERABLES: GBA will provide the following deliverables concurrently to MES, the MPA and CENAB in order to facilitate action for this subtask. Final reports and materials containing drawings will be provided in written form. Unless otherwise directed, other materials may be provided electronically as electronic files attached to email.

- Graphs and Tables of Cell Volume and Capacity Projections (memo)
- Material Placement Plan for First Placement Cycle Including Cell Filling Procedures (memo)
- Plan and Design for Development Cell (memo and drawings)
- Meeting Summaries and Site Visit Reports

GBA Subtask 3.2: VEGETATIVE MANAGEMENT TECHNICAL ANALYSIS

SUMMARY: GBA will provide additional vegetative management technical analysis. The analysis will review time-critical vegetation issues that need to be addressed prior to the first filling cycle in order to develop related filling guidelines. The results will be utilized in support of CENAB Items 2.1.7 and 2.1.9.

Subtask 3.2.1 Additional Vegetative Management Analysis.

GBA will revise the vegetation management report. GBA will define the biologically derived target marsh elevations, utilizing high precision GPS surveys. Surveys will include examining several reference sites used as reference wetlands used by the USFWS. GBA will prepare a letter report providing the elevation survey data and the analysis leading to the determination of the target elevation for the Poplar Island wetland cells.

GBA will further examine the effects of drying dredged materials on vegetation success, and will include an additional literature review as well as coordinate with qualified soils scientists.

Subtask 3.2.2 Additional Hydraulic Analysis for Flow and Channel Geometry for Wetland Development. GBA will provide hydrologic planning for the wetland development cell, addressing changes in cross dike alignment, changes to the surface TIN based on revised PSDDF runs, biologically determined target elevations, datum issues, consideration of spillway discharge during crust management, and removal of and changes of slope to bird islands within the development cell. GBA will address the changing inflow material and its impacts on channel flow and geometry design and sedimentation. GBA will also provide biological review of the proposed channel geometry.

Subtask 3.2.3 GBA Task 3.2.3 Planning and Task Management.

- GBA will provide additional task status in sufficient detail to substantiate services provided and associated charges. This will normally be accomplished through monthly progress reports. The progress report shall consist of a standardized spreadsheet in cost estimate format that documents the data and calculations used to determine invoice charges. Supporting materials will be provided upon MES request if necessary to satisfy MES and MPA task performance and accounting requirements.

DELIVERABLES: GBA will provide the following deliverables concurrently to MES, the MPA and CENAB in order to facilitate action for this subtask. Final reports and materials containing drawings will be provided in written form. Unless otherwise directed, other materials may be provided electronically as electronic files attached to email.

- Revised Vegetative Management Analysis (letter report)
- Additional Meeting Summaries (memo)
- Revised Hydraulic modeling plan (memo)
- Revised Model calibration memo (memo)
- Revised Hydraulic Modeling Report (letter report)

GBA will provide the following directly to MES:

- Monthly Summary Progress Reports concurrently with invoices.
- Supporting Documentation, if requested.

GBA Task 3.3: VEGETATIVE PLANNING

SUMMARY: GBA will provide additional technical support to the project sponsors through MES to assist in vegetative planning for site-specific conditions. The objective of this task is to establish vegetation testing criteria and design parameters for the future development of wetland habitat in the wetland cells, drawing on first-hand knowledge of undocumented as-built and other site-specific conditions.

Subtask 3.3.3 Preliminary Vegetation Planning. Additional planning will incorporate the new definition of marsh elevations based on benchmark surveys, Additional coordination with GPI to address unresolved tidal datum and its impacts on the benchmark marsh survey will be required. Attendance at additional meeting by GBA staff and qualified subcontractors to address target elevations, analysis of tidal exchange and water circulation channels and planting design for the development cell will be required. An examination of the use of seeding as a method for establishing *Spartina alterniflora* shortly after the first inflow will be examined. Implication of selecting seeding as a planting method on acquiring plant stock, including the time window(s) for collection, will be addressed. An analysis of the ratio of water to marsh in salt marshes of the Chesapeake Bay will be conducted using image analysis of aerial photography. The resulting water to marsh ratios will be incorporated into the preliminary marsh plan and water circulation/channel geometry plan.

Subtask 3.3.4 GBA Task 3.3 Planning and Task Management.

- GBA will provide additional task status in sufficient detail to substantiate services provided and associated charges. This will normally be accomplished through monthly progress reports. The progress report shall consist of a standardized spreadsheet in cost estimate format that documents the data and calculations used to determine invoice charges. Supporting materials will be provided upon MES request if necessary to satisfy MES and MPA task performance and accounting requirements.

DELIVERABLES: GBA will provide the following deliverables concurrently to MES, the MPA and CENAB in order to facilitate action for this subtask. The list of deliverables is included for planning purposes and is subject to change based on the work that is authorized by the MPA on behalf of project sponsors. Final reports and materials containing drawings will be provided in written form. Unless otherwise directed, other materials may be provided electronically as electronic files attached to email.

- Additional Revised Development Cell Report (letter report)
- Revised Vegetation Preliminary Report (report)
- Additional Meeting Summaries (memo)

ATTACHMENT 2

**MES COST ESTIMATE FOR TASK AMENDMENT
#1 FOR TASKS 1 TO 17**

| TASK 1 - PROJECT PLANNING, TECHNICAL, ENVIRONMENTAL AND IMPLEMENTATION SERVICES | | | | | | | | | | | | |
|---|-------------------|------------------|------------------|-------------|-----------|-------------|----------|-------------|----------|-------------|-------------|--|
| Requested Budget Increase for Task 1 through December 31, 2001 | | | | | | | | | | | | |
| MES LABOR | | | | Subtask 1.1 | | Subtask 1.2 | | Subtask 1.3 | | TASK TOTALS | | Work Performed |
| Category | Employee | FY00 Hourly Rate | FY01 Hourly Rate | Hours | Cost | Hours | Cost | Hours | Cost | Hours | Cost | |
| Project Director/Senior Planner | Wayne Young | \$35.61 | \$37.04 | 288 | \$10,668 | 80 | \$2,963 | 288 | \$10,668 | 656 | \$24,298 | Project/Operations Planning, Contract Oversight, Tech. Review |
| Project Manager | see note at right | \$24.31 | \$27.71 | 576 | \$15,961 | 80 | \$2,217 | 576 | \$15,961 | 1,232 | \$34,139 | Project Management, Ops Planning. Note: K. Wikar thru 10/20/00; S. Storms from 10/20 |
| Senior Environmental Scientist | Cecelia Donovan | \$28.12 | \$29.24 | | \$0 | 80 | \$2,339 | | \$0 | 80 | \$2,339 | Environmental Science/Monitoring |
| Environmental Scientist | Tammy Banta | \$25.06 | \$26.07 | | \$0 | 24 | \$626 | | \$0 | 24 | \$626 | Environmental Science/Monitoring |
| Alt. Project Manager/ Env. Scientist | Steve Storms | \$23.09 | \$24.86 | 288 | \$7,160 | 80 | \$1,989 | 24 | \$597 | 392 | \$9,745 | Alternate Project Manager, Environmental Science |
| Project Management Specialist | see note at right | \$0.00 | \$23.00 | 144 | \$3,312 | 40 | \$920 | 432 | \$9,936 | 616 | \$14,168 | Contracting Planning and Documentation and Mgt. Support; Note: Position being filled |
| Environmental Specialist | Melissa Slatnik | \$14.87 | \$15.38 | | \$0 | 40 | \$615 | 144 | \$2,215 | 184 | \$2,830 | Contract Mgt. Support/Env. Science/Geology |
| Environmental Specialist | Sue Kelly | \$14.22 | \$16.27 | | \$0 | 24 | \$390 | | \$0 | 24 | \$390 | Environmental Science/Biology |
| Environmental Specialist | Tom Humbles | \$16.23 | \$16.72 | | \$0 | 40 | \$669 | | \$0 | 40 | \$669 | Environmental Technical/Inspection, Phragmites Control |
| Environmental Specialist | Erika Kehne | \$11.58 | \$12.40 | | \$0 | 24 | \$298 | | \$0 | 24 | \$298 | Environmental Technical |
| Environmental Specialist | Doug Taylor | \$13.35 | \$13.62 | | \$0 | 24 | \$327 | | \$0 | 24 | \$327 | Environmental Technical/Inspection |
| Environmental Specialist | Gwen Neate | \$0.00 | \$13.83 | | \$0 | 24 | \$332 | | \$0 | 24 | \$332 | |
| Senior Engineer | William Chicca | \$38.48 | \$38.04 | 80 | \$3,043 | 24 | \$913 | | \$0 | 104 | \$3,956 | Engineering Planning and Review |
| Engineer, Civil | Larry Walsh | \$28.53 | \$29.68 | | \$0 | 24 | \$712 | | \$0 | 24 | \$712 | Construction Planning |
| Engineer, Civil | David Foster | \$28.29 | \$29.42 | | \$0 | 16 | \$471 | | \$0 | 16 | \$471 | Engineering Design Evaluation, Cost Estimates |
| Engineer, Civil | see note at right | \$19.30 | \$21.59 | 576 | \$12,436 | 80 | \$1,727 | | \$0 | 656 | \$14,163 | Civil and Dredging Engineering, Surveys, progress/team mtgs, field technical support. Note: S. Moore until 11/16; position being filled |
| Engineer, Civil | Les Shaw | \$28.53 | \$29.68 | | \$0 | 16 | \$475 | | \$0 | 16 | \$475 | Engineering Design Evaluation, Cost Estimates |
| Engineer, Civil | Charles Peng | \$23.13 | \$24.06 | | \$0 | 16 | \$385 | | \$0 | 16 | \$385 | Engineering Design Evaluation, Cost Estimates |
| Engineer, Construction | Ellis Heath | \$18.61 | \$19.17 | | \$0 | 40 | \$767 | | \$0 | 40 | \$767 | Construction Engineering |
| Operations Field Supervisor | Allen West | \$17.08 | \$18.21 | 0 | \$0 | 40 | \$728 | | \$0 | 40 | \$728 | Field Operations Planning |
| Environmental Dredging Tech | James Tracy | \$13.44 | \$15.40 | | \$0 | 120 | \$1,848 | | \$0 | 120 | \$1,848 | Environmental Operations/Inspection Planning. Services may be provided James Tracy or other qualified field personnel in equivalent service. |
| CAD Technician | Chns Norris | \$20.54 | \$21.15 | | \$0 | 40 | \$846 | | \$0 | 40 | \$846 | CAD Drawings, Document Preparation |
| CAD Technician | Mark Cohoon | 16.46 | 19.96 | | \$0 | 40 | \$798 | | \$0 | 40 | \$798 | CAD Drawings, Document Preparation |
| Marine Operations Specialist | Jeffrey Pitts | \$22.44 | \$23.25 | | \$0 | 40 | \$930 | | \$0 | 40 | \$930 | Marine Operations, Construction Inspection |
| Co-op | Brian Wolff | \$10.54 | \$10.54 | | \$0 | 0 | \$0 | | \$0 | 0 | \$0 | Engineering Technical Support |
| Boat/Equipment Operator | various | \$15.00 | \$15.00 | | \$0 | 40 | \$600 | | \$0 | 40 | \$600 | Boat/Equipment Operation (Contingent Item) |
| Labor Sub-Total | | | | 1,952 | \$52,579 | 1,096 | \$24,885 | 1,464 | \$39,376 | 4,512 | \$116,840 | |
| Fringe @ 44.1% of labor (FY01 rate) | | | | | \$23,187 | | \$10,974 | | \$17,365 | | \$51,526.55 | |
| Overhead @ 45% of labor | | | | | \$23,661 | | \$11,198 | | \$17,719 | | \$52,578 | |
| Total Loaded Labor | | | | | \$99,427 | | \$47,058 | | \$74,460 | | \$220,945 | |
| DIRECT COST | | | | | | | | | | | | |
| Mileage | | | 0.31 | 1980 | \$614 | 2000 | \$620 | 1980 | \$614 | | \$1,848 | |
| Travel, Lodging, Per Diem | | | | | | | \$2,000 | | | | \$2,000 | |
| Supplies and Materials | | | | | \$1,350 | | \$3,600 | | \$1,800 | | \$6,750 | |
| Printing & Reproduction | | | | | | | \$1,250 | | | | \$1,250 | |
| Postage | | | | | \$450 | | \$450 | | \$360 | | \$1,260 | |
| Telephone, Communications | | | | | | | | | \$180 | | \$180 | |
| MES CAD Burden Rate | | \$18.00 | | | \$0 | 32 | \$576 | | \$0 | | \$576 | |
| Vehicle Service/Rental | | | | | | | | | | | \$0 | |
| Boat Service/Rental | | | | | | | | | | | \$0 | |
| Special Equipment | | | | | | | | | | | \$0 | |
| Other | | | | | | | | | | | \$0 | |
| Contracted Services (GBA) | | | | | \$143,158 | | \$25,008 | | \$18,711 | | \$186,877 | Dredging Engineering Planning and Technical Services |
| Contracted Services (Dolinar) | | | | | \$500 | | \$500 | | \$1,000 | | \$2,000 | Engineering/Dredged Matt. Mgt. Planning, Cost Estimates |
| Contracted Services (Moffat & Nichol) | | | | | \$0 | | \$0 | | \$0 | | \$0 | Coastal Engineering Services |
| Contracted Services | | | | | | | | | | | \$0 | |
| Contracted Services | | | | | | | | | | | \$0 | |
| Contracted Services | | | | | | | | | | | \$0 | |
| Total Direct Costs | | | | | \$146,072 | | \$34,004 | | \$22,665 | | \$202,741 | |
| TASK 1 SUBTOTAL (Labor and Direct Costs) | | | | | \$245,499 | | \$81,062 | | \$97,125 | | \$423,685 | |
| Subtask 1.1: Joint Planning Team Support | | | | | | | | | | | | |
| Subtask 1.2: Supplemental Planning, Environmental, Engineering, Technical and Implementation Services | | | | | | | | | | | | |
| Subtask 1.3: Planning and Task Management for MES Task 1 | | | | | | | | | | | | |

TASK 2 - LONG-TERM MONITORING

Requested Budget Increase for Task 2 through December 31, 2001

| MES LABOR | | | | Subtask 2.1 | | Subtask 2.2 | | Subtask 2.3 | | TASK TOTALS | | Work Performed |
|--------------------------------------|-------------------|------------------|------------------|-------------|----------------|-------------|----------------|-------------|----------------|-------------|----------------|---|
| Category | Employee | FY00 Hourly Rate | FY01 Hourly Rate | Hours | Cost | Hours | Cost | Hours | Cost | Hours | Cost | |
| Project Director/Senior Planner | Wayne Young | \$35.61 | \$37.04 | 2 | \$74 | 2 | \$74 | 3 | \$111 | 7 | \$259 | Project/Operations Planning, Contract Oversight, Tech. Review |
| Project Manager | see note at right | \$24.31 | \$27.71 | 8 | \$222 | 0 | \$0 | 10 | \$277 | 18 | \$499 | Project Management, Ops Planning. Note: K. Wikar thru 10/20/00; S. Storms from 10/20 |
| Senior Environmental Scientist | Cecelia Donovan | \$28.12 | \$29.24 | 50 | \$1,462 | 60 | \$1,754 | 10 | \$292 | 120 | \$3,509 | Environmental Science/Monitoring |
| Environmental Scientist | Tammy Banta | \$25.06 | \$26.07 | | \$0 | | \$0 | | \$0 | 0 | \$0 | Environmental Science/Monitoring |
| Alt. Project Manager/ Env. Scientist | Steve Storms | \$23.09 | \$24.86 | 40 | \$994 | 40 | \$994 | 0 | \$0 | 80 | \$1,989 | Alternate Project Manager, Environmental Science. Position will be backfilled or hours reprogrammed to others upon assignment as project manager. |
| Project Management Specialist | see note at right | \$0.00 | \$23.00 | | \$0 | | \$0 | | \$0 | 0 | \$0 | Contracting Planning and Documentation and Mgt. Support; Note: Position being filled |
| Environmental Specialist | Melissa Slatnik | \$14.87 | \$15.38 | 60 | \$923 | 60 | \$923 | 40 | \$615 | 160 | \$2,461 | Task Mgt. Support/Env. Science/Geology |
| Environmental Specialist | Sue Kelly | \$14.22 | \$16.27 | | \$0 | | \$0 | | \$0 | 0 | \$0 | Environmental Science/Biology |
| Environmental Specialist | Tom Humbles | \$16.23 | \$16.72 | 8 | \$134 | 8 | \$134 | | \$0 | 16 | \$268 | Environmental Technical/Inspection, Phragmites Control |
| Environmental Specialist | Erika Kehne | \$11.58 | \$12.40 | 0 | \$0 | | \$0 | | \$0 | 0 | \$0 | Environmental Technical |
| Environmental Specialist | Doug Taylor | \$13.35 | \$13.62 | 8 | \$109 | 8 | \$109 | | \$0 | 16 | \$218 | Environmental Technical/Inspection |
| Environmental Specialist | Gwen Neate | \$0.00 | \$13.83 | 20 | \$277 | 20 | \$277 | | \$0 | 40 | \$553 | Environmental Technical |
| Senior Engineer | William Chicca | \$36.48 | \$38.04 | | \$0 | | \$0 | | \$0 | 0 | \$0 | Engineering Planning and Review |
| Engineer, Civil | Larry Walsh | \$28.53 | \$29.68 | | \$0 | | \$0 | | \$0 | 0 | \$0 | Construction Planning |
| Engineer, Civil | David Foster | \$28.29 | \$29.42 | | \$0 | | \$0 | | \$0 | 0 | \$0 | Engineering Design Evaluation, Cost Estimates |
| Engineer, Civil | see note at right | \$19.30 | \$21.59 | | \$0 | | \$0 | | \$0 | 0 | \$0 | Civil and Dredging Engineering, Surveys. Note: S. Moore until 11/16; position being filled |
| Engineer, Civil | Les Shaw | \$28.53 | \$29.68 | | \$0 | | \$0 | | \$0 | 0 | \$0 | Engineering Design Evaluation, Cost Estimates |
| Engineer, Civil | Charles Peng | \$23.13 | \$24.06 | | \$0 | | \$0 | | \$0 | 0 | \$0 | Engineering Design Evaluation, Cost Estimates |
| Engineer, Construction | Ellis Heath | \$18.61 | \$19.17 | | \$0 | | \$0 | | \$0 | 0 | \$0 | Construction Engineering |
| Operations Field Supervisor | Allen West | \$17.08 | \$18.21 | | \$0 | | \$0 | | \$0 | 0 | \$0 | Field Operations Planning |
| Environmental Dredging Tech | James Tracy | \$13.44 | \$15.40 | | \$0 | | \$0 | | \$0 | 0 | \$0 | Environmental Technical Support |
| CAD Technician | Chris Noms | \$20.54 | \$21.15 | 4 | \$85 | 6 | \$127 | | \$0 | 10 | \$212 | CAD Drawings, Document Preparation |
| CAD Technician | Mark Cohoon | 16.46 | 19.96 | | \$0 | | \$0 | | \$0 | 0 | \$0 | CAD Drawings, Document Preparation |
| Marine Operations Specialist | Jeffrey Pitts | \$22.44 | \$23.25 | | \$0 | | \$0 | | \$0 | 0 | \$0 | Marine Operations, Construction Inspection |
| Co-op | Brian Wolff | 10.54 | 10.54 | | \$0 | | \$0 | | \$0 | 0 | \$0 | Engineering Technical Support |
| Boat/Equipment Operator | various | \$15.00 | \$15.00 | | \$0 | | \$0 | | \$0 | 0 | \$0 | Boat/Equipment Operation |
| Labor Sub-Total | | | | 200 | \$4,279 | 204 | \$4,392 | 63 | \$1,296 | 467 | \$9,967 | |

| | | | | | | | | | | | |
|---------------------------|--|--|--|--|----------------|--|----------------|--|----------------|--|-----------------|
| Fringe @ 44.1% of labor | | | | | \$1,886.99 | | \$1,936.83 | | \$571.46 | | \$4,395.27 |
| Overhead @ 45% of labor | | | | | \$1,925 | | \$1,976 | | \$583 | | \$4,485 |
| Total Loaded Labor | | | | | \$8,091 | | \$8,305 | | \$2,450 | | \$18,847 |

| DIRECT COST | | | | | | | | | | | | |
|---------------------------------------|--|--|---------|-----|--------------|-----|--------------|----|-------------|--|--------------|--|
| Mileage | | | 0.31 | 300 | \$93 | 300 | \$93 | 75 | \$23 | | \$209 | |
| Travel, Lodging, Per Diem | | | | | | | | | | | \$0 | |
| Supplies and Materials | | | | | \$50 | | \$50 | | \$20 | | \$120 | |
| Printing & Reproduction | | | | | | | | | | | \$0 | |
| Postage | | | | | \$25 | | \$25 | | \$10 | | \$60 | |
| Telephone, Communications | | | | | \$10 | | \$10 | | \$10 | | \$30 | |
| MES CAD Burden Rate | | | \$18.00 | 4 | \$72 | 6 | \$108 | | \$0 | | \$180 | |
| Vehicle Service/Rental | | | | | | | | | | | \$0 | |
| Boat Service/Rental | | | | | | | | | | | \$0 | |
| Special Equipment | | | | | | | | | | | \$0 | |
| Other (e.g. film processing) | | | | | \$35 | | \$35 | | | | \$70 | |
| Contracted Services (GBA) | | | | | \$0 | | \$0 | | \$0 | | \$0 | Dredging Engineering Planning and Technical Services |
| Contracted Services (Dolinar) | | | | | \$0 | | \$0 | | \$0 | | \$0 | |
| Contracted Services (Moffat & Nichol) | | | | | \$0 | | \$0 | | \$0 | | \$0 | |
| Contracted Services | | | | | | | | | | | \$0 | |
| Contracted Services | | | | | | | | | | | \$0 | |
| Contracted Services | | | | | | | | | | | \$0 | |
| Total Direct Costs | | | | | \$285 | | \$321 | | \$63 | | \$669 | |

| | | | | | | | | | | | |
|---|--|--|--|--|----------------|--|----------------|--|----------------|--|-----------------|
| TASK 2 SUBTOTAL (Labor and Direct Costs) | | | | | \$8,376 | | \$8,626 | | \$2,514 | | \$19,516 |
|---|--|--|--|--|----------------|--|----------------|--|----------------|--|-----------------|

Subtask 2.1: CENAB Item 1.4.1 - Long-Term Monitoring Framework
 Subtask 2.2: CENAB Item 1.4.2 - Water Quality
 Subtask 2.3: Planning and Task management for MES Task 2

TASK 5 - BASELINE PSDDF AND CELL CAPACITIES (CENAB Item 2.1.5)

Requested Budget Increase for Task 5 through December 31, 2001

| MES LABOR | | | | Subtask 5.1 (GBA Subtask 2.1.5.a) | | Subtask 5.2 (GBA Subtask 2.1.5.b) | | Subtask 5.3 (GBA Subtask 2.1.5.c) | | Subtask 5.4 (GBA Subtask 2.1.5.d) | | Subtask 5.5 (GBA Subtask 2.1.5.e) | | Subtask 5.6 (GBA Subtask 2.1.5.f) | | TASK TOTALS | | Work Performed |
|---|-------------------|------------------|------------------|-----------------------------------|------|-----------------------------------|---------|-----------------------------------|---------|-----------------------------------|----------|-----------------------------------|----------|-----------------------------------|----------|-------------|----------|--|
| Category | Employee | FY00 Hourly Rate | FY01 Hourly Rate | Hours | Cost | Hours | Cost | Hours | Cost | Hours | Cost | Hours | Cost | Hours | Cost | Hours | Cost | |
| Project Director/Senior Planner | Wayne Young | \$35.61 | \$37.04 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 2 | \$74 | 2 | \$74 | Project/Operations Planning, Contract Oversight, Tech. Review Project Management, Ops Planning. Note: K. Wikar thru 10/20/00; S. Storms from 10/20 Environmental Science/Monitoring Environmental Science/Monitoring Alternate Project Manager, Environmental Science. Position will be backfilled or hours reprogrammed to others upon assignment as project manager. Contracting Planning and Documentation and Mgt. Support; Note: Position being filled Task Mgt Support/Env. Science/Geology Environmental Science/Biology Environmental Technical/Inspection, Phragmites Control Environmental Technical Environmental Technical/Inspection Environmental Technical Engineering Planning and Review Construction Planning Engineering Design Evaluation, Cost Estimates Civil and Dredging Engineering, Surveys. Note: S. Moore until 11/16; position being filled Engineering Design Evaluation, Cost Estimates Engineering Design Evaluation, Cost Estimates Construction Engineering Field Operations Planning Environmental Technical Support CAD Drawings, Document Preparation CAD Drawings, Document Preparation Marine Operations, Construction Inspection Engineering Technical Support |
| Project Manager | see note at right | \$24.31 | \$27.71 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 16 | \$443 | 16 | \$443 | |
| Senior Environmental Scientist | Cecelia Donovan | \$28.12 | \$29.24 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Environmental Scientist | Tammy Banta | \$25.06 | \$26.07 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Alt. Project Manager/ Env. Scientist | Steve Storms | \$23.09 | \$24.86 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Project Management Specialist | see note at right | \$0.00 | \$23.00 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Environmental Specialist | Melissa Slatnik | \$14.87 | \$15.38 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 8 | \$123 | 8 | \$123 | |
| Environmental Specialist | Sue Kelly | \$14.22 | \$16.27 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Environmental Specialist | Tom Humbles | \$16.23 | \$16.72 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Environmental Specialist | Erika Kehne | \$11.58 | \$12.40 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Environmental Specialist | Doug Taylor | \$13.35 | \$13.62 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Environmental Specialist | Gwen Neate | \$0.00 | \$13.83 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Senior Engineer | William Chicca | \$36.48 | \$38.04 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Engineer, Civil | Larry Walsh | \$28.53 | \$29.68 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Engineer, Civil | David Foster | \$28.29 | \$29.42 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Engineer, Civil | see note at right | \$19.30 | \$21.59 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 8 | \$173 | 8 | \$173 | |
| Engineer, Civil | Les Shaw | \$28.53 | \$29.68 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Engineer, Civil | Charles Peng | \$23.13 | \$24.06 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Engineer, Construction | Ellis Heath | \$18.61 | \$19.17 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Operations Field Supervisor | Allen West | \$17.08 | \$18.21 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Environmental Dredging Tech | James Tracy | \$13.44 | \$15.40 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| CAD Technician | Chris Norris | \$20.54 | \$21.15 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| CAD Technician | Mark Cohoon | \$16.46 | \$19.96 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Marine Operations Specialist | Jeffrey Pitts | \$22.44 | \$23.25 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Co-op | Brian Wolff | \$10.54 | \$10.54 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Boat/Equipment Operator | various | \$15.00 | \$15.00 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Labor Sub-Total | | | | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 34 | \$813 | 34 | \$813 | |
| Fringe @ 44.1% of labor | | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$358.62 | | \$358.62 | |
| Overhead @ 45% of labor | | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$366 | | \$366 | |
| Total Loaded Labor | | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$1,538 | | \$1,538 | |
| DIRECT CDST | | | | | | | | | | | | | | | | | | |
| Mileage | | 0.31 | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 75 | \$23 | | \$23 | |
| Travel, Lodging, Per Diem | | | | | | | | | | | | | | | \$10 | | \$10 | |
| Supplies and Materials | | | | | | | | | | | | | | | \$10 | | \$10 | |
| Printing & Reproduction | | | | | | | | | | | | | | | \$10 | | \$10 | |
| Postage | | | | | | | | | | | | | | | \$10 | | \$10 | |
| Telephone, Communications | | | | | | | | | | | | | | | \$0 | | \$0 | |
| MES CAD Burden Rate | | \$18.00 | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Vehicle Service/Rental | | | | | | | | | | | | | | | \$0 | | \$0 | |
| Boat Service/Rental | | | | | | | | | | | | | | | \$0 | | \$0 | |
| Special Equipment | | | | | | | | | | | | | | | \$0 | | \$0 | |
| Other | | | | | | | | | | | | | | | \$0 | | \$0 | |
| Contracted Services (GBA) | | | | | \$0 | \$18,769 | \$4,511 | \$2,784 | \$2,529 | \$1,553 | \$30,146 | | \$30,146 | | \$30,146 | | \$30,146 | |
| Contracted Services (Dollnar) | | | | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | \$0 | | \$0 | | \$0 | |
| Contracted Services (Moffat & Nichol) | | | | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | \$0 | | \$0 | | \$0 | |
| Contracted Services | | | | | | | | | | | | | | | \$0 | | \$0 | |
| Contracted Services | | | | | | | | | | | | | | | \$0 | | \$0 | |
| Contracted Services | | | | | | | | | | | | | | | \$0 | | \$0 | |
| Total Direct Costs | | | | | \$0 | \$18,769 | \$4,511 | \$2,784 | \$2,529 | \$1,606 | \$30,199 | | \$30,199 | | \$30,199 | | \$30,199 | |
| TASK 5 SUBTOTAL (Labor and Direct Costs) | | | | | \$0 | \$18,769 | \$4,511 | \$2,784 | \$2,529 | \$3,144 | \$31,737 | | \$31,737 | | \$31,737 | | \$31,737 | |

Subtask 5.1: GBA Subtask 2.1.5.a - PSDDF Modeling Plan
 Subtask 5.2: GBA Subtask 2.1.5.b - PSDDF Modeling
 Subtask 5.3: GBA Subtask 2.1.5.c - Assessment of Dredged Material Elevations
 Subtask 5.4: GBA Subtask 2.1.5.d - Phase One Cell Volume and Capacity Tables
 Subtask 5.5: GBA Subtask 2.1.5.e - Elevations Modeling Report
 Subtask 5.6: GBA Subtask 2.1.5.f - Planning and Task Management

TASK 6 - PLAN AND DESIGN (CENAB Item 2.1.6)

Requested Budget Increase for Task 6 through December 31, 2001

| MES LABOR | | | Subtask 6.1 (GBA Subtask 2.1.6.a) | | Subtask 6.2 (GBA Subtask 2.1.6.b) | | Subtask 6.3 (GBA Subtask 2.1.6.c) | | Subtask 6.4 (GBA Subtask 2.1.6.d) | | TASK TOTALS | | Work Performed |
|--------------------------------------|-------------------|------------------|-----------------------------------|--------------|-----------------------------------|--------------|-----------------------------------|----------------|-----------------------------------|--------------|-------------|----------------|---|
| Category | Employee | FY01 Hourly Rate | Hours | Cost | Hours | Cost | Hours | Cost | Hours | Cost | Hours | Cost | |
| Project Director/Senior Planner | Wayne Young | \$37.04 | | \$0 | | \$0 | 4 | \$148 | 1 | \$37 | 5 | \$185 | Project/Operations Planning, Contract Oversight, Tech. Review Project Management, Ops Planning. Note: K. Wikar thru 10/20/00; S. Storms from 10/20 Environmental Science/Monitoring Environmental Science/Monitoring Alternate Project Manager, Environmental Science. Position will be backfilled or hours reprogrammed to others upon assignment as project manager. Contracting Planning and Documentation and Mgt. Support; Note: Position being filled Task Mgt. Support/Env. Science/Geology Environmental Science/Biology Environmental Technical/Inspection, Phragmites Control Environmental Technical Environmental Technical/Inspection Environmental Technical Engineering Planning and Review Construction Planning Engineering Design Evaluation, Cost Estimates Civil and Dredging Engineering, Surveys. Note: S. Moore until 11/16; position being filled Engineering Design Evaluation, Cost Estimates Engineering Design Evaluation, Cost Estimates Construction Engineering Field Operations Planning Environmental Technical Support CAD Drawings, Document Preparation CAD Drawings, Document Preparation Marine Operations, Construction Inspection Engineering Technical Support |
| Project Manager | see note at right | \$27.71 | 8 | \$222 | 8 | \$222 | 8 | \$222 | 2 | \$55 | 26 | \$720 | |
| Senior Environmental Scientist | Cecelia Donovan | \$29.24 | | \$0 | | \$0 | 40 | \$1,170 | | \$0 | 40 | \$1,170 | |
| Environmental Scientist | Tammy Banta | \$26.07 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Alt. Project Manager/ Env. Scientist | Steve Storms | \$24.86 | | \$0 | | \$0 | 40 | \$994 | 0 | \$0 | 40 | \$994 | |
| Project Management Specialist | see note at right | \$23.00 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Environmental Specialist | Melissa Slatnik | \$15.38 | | \$0 | | \$0 | 20 | \$308 | 20 | \$308 | 40 | \$615 | |
| Environmental Specialist | Sue Kelly | \$16.27 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Environmental Specialist | Tom Humbles | \$16.72 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Environmental Specialist | Erika Kehne | \$12.40 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Environmental Specialist | Doug Taylor | \$13.62 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Environmental Specialist | Gwen Neate | \$13.83 | | \$0 | | \$0 | 40 | \$553 | | \$0 | 40 | \$553 | |
| Senior Engineer | William Chicca | \$38.04 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Engineer, Civil | Larry Walsh | \$29.68 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Engineer, Civil | David Foster | \$29.42 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Engineer, Civil | see note at right | \$21.59 | 8 | \$173 | 8 | \$173 | | \$0 | | \$0 | 16 | \$345 | |
| Engineer, Civil | Les Shaw | \$29.68 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Engineer, Civil | Charles Peng | \$24.06 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Engineer, Construction | Ellis Heath | \$19.17 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Operations Field Supervisor | Allen West | \$18.21 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Environmental Dredging Tech | James Tracy | \$15.40 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| CAD Technician | Chris Norris | \$21.15 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| CAD Technician | Mark Cohoon | 19.96 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Marine Operations Specialist | Jeffrey Pitts | \$23.25 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Co-op | Brian Wolff | 10.54 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Boat/Equipment Operator | various | \$15.00 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Labor Sub-Total | | | 16 | \$394 | 16 | \$394 | 152 | \$3,395 | 23 | \$400 | 207 | \$4,584 | |

| | | | | | | | | | | | | |
|---------------------------|--|--|--|--------------|--|--------------|--|----------------|--|--------------|--|----------------|
| Fringe @ 44.1% of labor | | | | \$174 | | \$174 | | \$1,497 | | \$176 | | \$2,021 |
| Overhead @ 45% of labor | | | | \$177 | | \$177 | | \$1,528 | | \$180 | | \$2,063 |
| Total Loaded Labor | | | | \$746 | | \$746 | | \$6,419 | | \$757 | | \$8,667 |

| DIRECT COST | | | | | | | | | | | | | |
|---------------------------------------|--|---------|--|------------|--|------------|--|------------|--|-------------|--|-------------|--|
| Mileage | | 0.31 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | Dredging Engineering Planning and Technical Services |
| Travel, Lodging, Per Diem | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Supplies and Materials | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Printing & Reproduction | | | | \$0 | | \$0 | | \$0 | | \$10 | | \$10 | |
| Postage | | | | \$0 | | \$0 | | \$0 | | \$10 | | \$10 | |
| Telephone, Communications | | | | \$0 | | \$0 | | \$0 | | \$10 | | \$10 | |
| MES CAD Burden Rate | | \$18.00 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Vehicle Service/Rental | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Boat Service/Rental | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Special Equipment | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Other | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Contracted Services (GBA) | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Contracted Services (Dolinar) | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Contracted Services (Moffat & Nichol) | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Contracted Services | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Contracted Services | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Contracted Services | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Total Direct Costs | | | | \$0 | | \$0 | | \$0 | | \$30 | | \$30 | |

| | | | | | | | | | | | | |
|---|--|--|--|--------------|--|--------------|--|----------------|--|--------------|--|----------------|
| TASK 6 SUBTOTAL (Labor and Direct Costs) | | | | \$746 | | \$746 | | \$6,419 | | \$787 | | \$8,697 |
|---|--|--|--|--------------|--|--------------|--|----------------|--|--------------|--|----------------|

Subtask 6.1: GBA Subtask 2.1.6.a - Marsh Construction Technical Analysis
 Subtask 6.2: GBA Subtask 2.1.6.b - Water Level Control and Effluent Quality Techniques
 Subtask 6.3: GBA Subtask 2.1.8.c - Concept Plan for Marsh Construction
 Subtask 6.4: GBA Subtask 6.1.5.d - Task 2.1.6 Planning and Task Management

TASK 8 - FILLING SCHEDULE AND QUANTITIES FOR FIRST PLACEMENT CYCLE (CENAB Item 2.1.8)

Requested Budget Increase for Task 8 through December 31, 2001

| MES LABOR | | | | Subtask 8.1 (GBA Subtask 2.1.8.a) | | Subtask 8.2 (GBA Subtask 2.1.8.b) | | Subtask 8.3 (GBA Subtask 2.1.8.c) | | TASK TOTALS | | Work Performed | |
|--------------------------------------|-------------------|------------------|------------------|-----------------------------------|------|-----------------------------------|------|-----------------------------------|------|-------------|------|---|--|
| Category | Employee | FY00 Hourly Rate | FY01 Hourly Rate | Hours | Cost | Hours | Cost | Hours | Cost | Hours | Cost | | |
| Project Director/Senior Planner | Wayne Young | \$35.61 | \$37.04 | | \$0 | | \$0 | 0 | \$0 | 0 | \$0 | Project/Operations Planning, Contract Oversight, Tech. Review Project Management, Ops Planning. Note: K. Wikar thru 10/20/00; S. Storms from 10/20 Environmental Science/Monitoring Environmental Science/Monitoring Alternate Project Manager, Environmental Science. Position will be backfilled or hours reprogrammed to others upon assignment as project manager. Contracting Planning and Documentation and Mgt. Support; Note: Position being filled Task Mgt. Support/Env. Science/Geology Environmental Science/Biology Environmental Technical/Inspection, Phragmites Control Environmental Technical Environmental Technical/Inspection Environmental Technical Engineering Planning and Review Construction Planning Engineering Design Evaluation, Cost Estimates Civil and Dredging Engineering, Surveys. Note: S. Moore until 11/16; position being filled Engineering Design Evaluation, Cost Estimates Engineering Design Evaluation, Cost Estimates Construction Engineering Field Operations Planning Environmental Technical Support CAD Drawings, Document Preparation CAD Drawings, Document Preparation Marine Operations, Construction Inspection Engineering Technical Support | |
| Project Manager | see note at right | \$24.31 | \$27.71 | | \$0 | | \$0 | 0 | \$0 | 0 | \$0 | | |
| Senior Environmental Scientist | Cecelia Donovan | \$28.12 | \$29.24 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Environmental Scientist | Tammy Banta | \$25.06 | \$26.07 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Alt. Project Manager/ Env. Scientist | Steve Storms | \$23.09 | \$24.86 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Project Management Specialist | see note at right | \$0.00 | \$23.00 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Environmental Specialist | Melissa Slatnik | \$14.87 | \$15.38 | | \$0 | | \$0 | 0 | \$0 | 0 | \$0 | | |
| Environmental Specialist | Sue Kelly | \$14.22 | \$16.27 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Environmental Specialist | Tom Humbles | \$16.23 | \$16.72 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Environmental Specialist | Erika Kehne | \$11.58 | \$12.40 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Environmental Specialist | Doug Taylor | \$13.35 | \$13.62 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Environmental Specialist | Gwen Neate | \$0.00 | \$13.83 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Senior Engineer | William Chicca | \$36.48 | \$38.04 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Engineer, Civil | Larry Walsh | \$28.53 | \$29.68 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Engineer, Civil | David Foster | \$28.29 | \$29.42 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Engineer, Civil | see note at right | \$19.30 | \$21.59 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Engineer, Civil | Les Shaw | \$28.53 | \$29.68 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Engineer, Civil | Charles Peng | \$23.13 | \$24.06 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Engineer, Construction | Ellis Heath | \$18.61 | \$19.17 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Operations Field Supervisor | Allen West | \$17.08 | \$18.21 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Environmental Dredging Tech | James Tracy | \$13.44 | \$15.40 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| CAD Technician | Chris Norris | \$20.54 | \$21.15 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| CAD Technician | Mark Cohoon | 16.46 | 19.96 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Marine Operations Specialist | Jeffrey Pitts | \$22.44 | \$23.25 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Co-op | Brian Wolff | 10.54 | 10.54 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Boat/Equipment Operator | various | \$15.00 | \$15.00 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Labor Sub-Total | | | | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | | |

| | | | | | | | |
|---------------------------|-------|-------|--|-----|-----|-----|-----|
| Fringe @ 44.1% of labor | 0.442 | 0.441 | | \$0 | \$0 | \$0 | \$0 |
| Overhead @ 45% of labor | 0.45 | 0.45 | | \$0 | \$0 | \$0 | \$0 |
| Total Loaded Labor | | | | \$0 | \$0 | \$0 | \$0 |

| DIRECT COST | FY00 Hourly Rate | FY01 Hourly Rate | Hours | Cost | Hours | Cost | Hours | Cost | Work Performed |
|---------------------------------------|------------------|------------------|-------|------|-------|------|-------|------|--|
| Mileage | 0.31 | 0.31 | | \$0 | | \$0 | 0 | \$0 | Dredging Engineering Planning and Technical Services |
| Travel, Lodging, Per Diem | | | | \$0 | | \$0 | | \$0 | |
| Supplies and Materials | | | | \$0 | | \$0 | | \$0 | |
| Printing & Reproduction | | | | \$0 | | \$0 | | \$0 | |
| Postage | | | | \$0 | | \$0 | | \$0 | |
| Telephone, Communications | | | | \$0 | | \$0 | | \$0 | |
| MES CAD Burden Rate | \$18.00 | \$18.00 | | \$0 | | \$0 | | \$0 | |
| Vehicle Service/Rental | | | | \$0 | | \$0 | | \$0 | |
| Boat Service/Rental | | | | \$0 | | \$0 | | \$0 | |
| Special Equipment | | | | \$0 | | \$0 | | \$0 | |
| Other | | | | \$0 | | \$0 | | \$0 | |
| Contracted Services (GBA) | | | | \$0 | | \$0 | | \$0 | |
| Contracted Services (Dolinar) | | | | \$0 | | \$0 | | \$0 | |
| Contracted Services (Moffat & Nichol) | | | | \$0 | | \$0 | | \$0 | |
| Contracted Services | | | | \$0 | | \$0 | | \$0 | |
| Contracted Services | | | | \$0 | | \$0 | | \$0 | |
| Contracted Services | | | | \$0 | | \$0 | | \$0 | |
| Total Direct Costs | | | | \$0 | | \$0 | | \$0 | |

| | | | | | | | | | | |
|---|--|--|--|-----|--|-----|--|-----|--|-----|
| TASK 8 SUBTOTAL (Labor and Direct Costs) | | | | \$0 | | \$0 | | \$0 | | \$0 |
|---|--|--|--|-----|--|-----|--|-----|--|-----|

Subtask 8.1: GBA Subtask 2.1.8.a - Placement Quantity Estimates
 Subtask 8.2: GBA Subtask 2.1.8.b - Filling Schedule and Quantities
 Subtask 8.3: GBA Subtask 2.1.8.c - Task 2.1.8 Planning and Task Management

TASK 11 - DESIGN CRUST MANAGEMENT PLAN AND OPERATIONS PLANNING

Requested Budget Increase for Task 11 through December 31, 2001

| MES LABOR | | | | Subtask 11.1 | | Subtask 11.2 | | Vacant | | TASK TOTALS | | Work Performed |
|--------------------------------------|-------------------|------------------|------------------|--------------|------|--------------|---------|--------|------|-------------|---------|---|
| Category | Employee | FY00 Hourly Rate | FY01 Hourly Rate | Hours | Cost | Hours | Cost | Hours | Cost | Hours | Cost | |
| Project Director/Senior Planner | Wayne Young | \$35.61 | \$37.04 | 0 | \$0 | 40 | \$1,482 | | \$0 | 40 | \$1,482 | Project/Operations Planning, Contract Oversight, Tech. Review Project Management, Ops Planning. Note: K. Wikar thru 10/20/00; S. Storms from 10/20 Environmental Science/Monitoring Environmental Science/Monitoring Alternate Project Manager, Environmental Science. Position will be backfilled or hours reprogrammed to others upon assignment as project manager. Contracting Planning and Documentation and Mgt. Support; Note: Position being filled Task Mgt.Support/Env. Science/Geology Environmental Science/Biology Environmental Technical/Inspection, Phragmites Control Environmental Technical Environmental Technical/Inspection Environmental Technical Engineering Planning and Review Construction Planning Engineering Design Evaluation, Cost Estimates Civil and Dredging Engineering, Surveys. Note: S. Moore until 11/16; position being filled Engineering Design Evaluation, Cost Estimates Engineering Design Evaluation, Cost Estimates Construction Engineering Field Operations Planning Environmental Technical Support CAD Drawings, Document Preparation CAD Drawings, Document Preparation Marine Operations, Construction Inspection Engineering Technical Support Boat/Equipment Operations |
| Project Manager | see note at right | \$24.31 | \$27.71 | 0 | \$0 | 8 | \$222 | | \$0 | 8 | \$222 | |
| Senior Environmental Scientist | Cecelia Donovan | \$28.12 | \$29.24 | | \$0 | 8 | \$234 | | \$0 | 8 | \$234 | |
| Environmental Scientist | Tammy Banta | \$25.06 | \$26.07 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Alt. Project Manager/ Env. Scientist | Steve Storms | \$23.09 | \$24.86 | | \$0 | 16 | \$398 | | \$0 | 16 | \$398 | |
| Project Management Specialist | see note at right | \$0.00 | \$23.00 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Environmental Specialist | Melissa Slatnik | \$14.87 | \$15.38 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Environmental Specialist | Sue Kelly | \$14.22 | \$16.27 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Environmental Specialist | Tom Humbles | \$16.23 | \$16.72 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Environmental Specialist | Enka Kehne | \$11.58 | \$12.40 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Environmental Specialist | Doug Taylor | \$13.35 | \$13.62 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Environmental Specialist | Gwen Neate | \$0.00 | \$13.83 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Senior Engineer | William Chicca | \$36.48 | \$38.04 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Engineer, Civil | Larry Walsh | \$28.53 | \$29.68 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Engineer, Civil | David Foster | \$28.29 | \$29.42 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Engineer, Civil | see note at right | \$19.30 | \$21.59 | 0 | \$0 | 24 | \$518 | | \$0 | 24 | \$518 | |
| Engineer, Civil | Les Shaw | \$28.53 | \$29.68 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Engineer, Civil | Charles Peng | \$23.13 | \$24.06 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Engineer, Construction | Ellis Heath | \$18.61 | \$19.17 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Operations Field Supervisor | Allen West | \$17.08 | \$18.21 | | \$0 | 8 | \$146 | | \$0 | 8 | \$146 | |
| Environmental Dredging Tech | James Tracy | \$13.44 | \$15.40 | | \$0 | 8 | \$123 | | \$0 | 8 | \$123 | |
| CAD Technician | Chris Norris | \$20.54 | \$21.15 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| CAD Technician | Mark Cohoon | 16.46 | 19.96 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Marine Operations Specialist | Jeffrey Pitts | \$22.44 | \$23.25 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Co-op | Brian Wolff | 10.54 | 10.54 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Boat/Equipment Operator | various | \$15.00 | \$15.00 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Labor Sub-Total | | | | 0 | \$0 | 112 | \$3,122 | 0 | \$0 | 112 | \$3,122 | |

| | | | | | | | | | | | |
|---------------------------|--|-------|-------|--|-----|--|---------|--|-----|--|---------|
| Fringe @ 44.1% of labor | | 0.442 | 0.441 | | \$0 | | \$1,377 | | \$0 | | \$1,377 |
| Overhead @ 45% of labor | | 0.45 | 0.45 | | \$0 | | \$1,405 | | \$0 | | \$1,405 |
| Total Loaded Labor | | | | | \$0 | | \$5,904 | | \$0 | | \$5,904 |

| DIRECT COST | | | | | | | | | | | | |
|---------------------------------------|--|---------|---------|---|-----|-----|---------|--|-----|--|---------|--|
| Mileage | | 0.31 | 0.31 | 0 | \$0 | 225 | \$70 | | \$0 | | \$70 | |
| Travel, Lodging, Per Diem | | | | | \$0 | | \$10 | | \$0 | | \$10 | |
| Supplies and Materials | | | | | \$0 | | \$25 | | \$0 | | \$25 | |
| Printing & Reproduction | | | | | \$0 | | \$10 | | \$0 | | \$10 | |
| Postage | | | | | \$0 | | \$10 | | \$0 | | \$10 | |
| Telephone, Communications | | | | | \$0 | | \$10 | | \$0 | | \$10 | |
| MES CAD Burden Rate | | \$18.00 | \$18.00 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Vehicle Service/Rental | | | | | \$0 | | \$0 | | \$0 | | \$0 | |
| Boat Service/Rental | | | | | \$0 | | \$0 | | \$0 | | \$0 | |
| Special Equipment | | | | | \$0 | | \$0 | | \$0 | | \$0 | |
| Other | | | | | \$0 | | \$0 | | \$0 | | \$0 | |
| Contracted Services (GBA) | | | | | \$0 | | \$0 | | \$0 | | \$0 | |
| Contracted Services (Dolinar) | | | | | \$0 | | \$1,500 | | \$0 | | \$1,500 | |
| Contracted Services (Moffat & Nichol) | | | | | \$0 | | \$0 | | \$0 | | \$0 | |
| Contracted Services | | | | | \$0 | | \$0 | | \$0 | | \$0 | |
| Contracted Services | | | | | \$0 | | \$0 | | \$0 | | \$0 | |
| Contracted Services | | | | | \$0 | | \$0 | | \$0 | | \$0 | |
| Total Direct Costs | | | | | \$0 | | \$1,625 | | \$0 | | \$1,625 | |

| | | | | | | | | | | | |
|--|--|--|--|--|-----|--|---------|--|-----|--|---------|
| TASK 11 SUBTOTAL (Labor and Direct Costs) | | | | | \$0 | | \$7,528 | | \$0 | | \$7,528 |
|--|--|--|--|--|-----|--|---------|--|-----|--|---------|

Subtask 11.1: CENAB Item 2.3.5 - Crust Management Plan for Long-Term Site Operations
 Subtask 11.2: Operations Planning and Documentation
 Subtask 11.3: Vacant

TASK 12 - PHRAGMITES CONTROL (CENAB Item 3.1)

Requested Budget Increase for Task 12 through December 31, 2001

| MES LABOR | | | | Subtask 12.1 (CENAB 3.1.1) | | Subtask 12.2 (CENAB Item 3.1.2) | | Subtask 12.3 (CENAB Item 3.1.3) | | Subtask 12.4 (CENAB ITEM 3.1.4) | | Subtask 12.5 (no CENAB Number) | | TASK TOTALS | | Work Performed |
|---|-------------------|------------------|------------------|----------------------------|------|---------------------------------|------|---------------------------------|------|---------------------------------|------|--------------------------------|------|-------------|------|--|
| Category | Employee | FY00 Hourly Rate | FY01 Hourly Rate | Hours | Cost | Hours | Cost | Hours | Cost | Hours | Cost | Hours | Cost | Hours | Cost | |
| Project Director/Senior Planner | Wayne Young | \$35.61 | \$37.04 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | 0 | \$0 | \$0 Project/Operations Planning, Contract Oversight, Tech. Review |
| Project Manager | see note at right | \$24.31 | \$27.71 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | \$0 Project Management, Ops Planning, Note: K. Wikar thru 10/20/00; S. |
| Senior Environmental Scientist | Cecelia Donovan | \$28.12 | \$29.24 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | \$0 Storms from 10/20 |
| Environmental Scientist | Tammy Banta | \$25.06 | \$26.07 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | \$0 Environmental Science/Monitoring |
| Alt. Project Manager/ Env. Scientist | Steve Storms | \$23.09 | \$24.86 | 0 | \$0 | | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | \$0 Environmental Science/Monitoring |
| Project Management Specialist | see note at right | \$0.00 | \$23.00 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | \$0 Alternate Project Manager, Environmental Science. Position will be |
| Environmental Specialist | Melissa Slatnik | \$14.87 | \$15.38 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | \$0 backfilled or hours reprogrammed to others upon assignment as |
| Environmental Specialist | Sue Kelly | \$14.22 | \$16.27 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | \$0 project manager. |
| Environmental Specialist | Tom Humbles | \$18.23 | \$16.72 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | \$0 Contracting Planning and Documentation and Mgt. Support; Note: |
| Environmental Specialist | Erika Kehne | \$11.58 | \$12.40 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | \$0 Position being filled |
| Environmental Specialist | Doug Taylor | \$13.35 | \$13.62 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | \$0 Task Mgt.Support/Env. Science/Geology |
| Environmental Specialist | Gwen Neate | \$0.00 | \$13.83 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | \$0 Environmental Science/Biology |
| Senior Engineer | William Chicca | \$36.48 | \$38.04 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | \$0 Environmental Technical/Inspection, Phragmites Control |
| Engineer, Civil | Larry Walsh | \$28.53 | \$29.68 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | \$0 Environmental Technical |
| Engineer, Civil | David Foster | \$28.29 | \$29.42 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | \$0 Environmental Technical/Inspection |
| Engineer, Civil | see note at right | \$19.30 | \$21.59 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | \$0 Environmental Technical |
| Engineer, Civil | Les Shaw | \$28.53 | \$29.68 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | \$0 Engineering Planning and Review |
| Engineer, Civil | Charles Peng | \$23.13 | \$24.06 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | \$0 Construction Planning |
| Engineer, Construction | Ellis Heath | \$18.61 | \$19.17 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | \$0 Engineering Design Evaluation, Cost Estimates |
| Operations Field Supervisor | Allen West | \$17.08 | \$18.21 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | \$0 Civil and Dredging Engineering, Surveys. Note: S. Moore until 11/16; |
| Environmental Dredging Tech | James Tracy | \$13.44 | \$15.40 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | \$0 position being filled |
| CAD Technician | Chris Norris | \$20.54 | \$21.15 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | \$0 Engineering Design Evaluation, Cost Estimates |
| CAD Technician | Mark Cohoon | 16.46 | 19.96 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | \$0 Engineering Design Evaluation, Cost Estimates |
| Marine Operations Specialist | Jeffrey Pitts | \$22.44 | \$23.25 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | \$0 Construction Engineering |
| Co-op | Brian Wolff | 10.54 | 10.54 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | \$0 Field Operations Planning |
| Boat/Equipment Operator | various | \$15.00 | \$15.00 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | \$0 Environmental Technical Support |
| Labor Sub-Total | | | | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | \$0 |
| Fringe @ 44.1% of labor | | 0.442 | 0.441 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | \$0 |
| Overhead @ 45% of labor | | 0.45 | 0.45 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | \$0 |
| Total Loaded Labor | | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | \$0 |
| DIRECT COST | | | | | | | | | | | | | | | | |
| Mileage | | 0.31 | 0.31 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | | \$0 | \$0 |
| Travel, Lodging, Per Diem | | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | \$0 |
| Supplies and Materials | | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | \$0 |
| Printing & Reproduction | | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | \$0 |
| Postage | | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | \$0 |
| Telephone, Communications | | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | \$0 |
| MES CAD Burden Rate | | \$18.00 | \$18.00 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | \$0 |
| Vehicle Service/Rental | | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | \$0 |
| Boat Service/Rental | | \$0 | | 0 | \$0 | 0 | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | \$0 |
| Special Equipment | | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | \$0 |
| Other | | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | \$0 |
| Contracted Services (GBA) | | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | \$0 Dredging Engineering Planning and Technical Services |
| Contracted Services (Dolinar) | | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | \$0 |
| Contracted Services (Moffat & Nichol) | | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | \$0 |
| Contracted Services (consultant) | | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | \$0 |
| Contracted Services (aerial spray & burn) | | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | \$0 1 contingent area wide event |
| Contracted Services | | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | \$0 |
| Total Direct Costs | | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | \$0 |
| TASK 12 SUBTOTAL (Labor and Direct Costs) | | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | \$0 |

Subtask 12.1: CENAB Item 3.1.1 - Phragmites Monitoring
 Subtask 12.2: CENAB Item 3.1.2 - Spot Spraying Services
 Subtask 12.3: CENAB Item 3.1.3 - Area-Wide Eradication Services
 Subtask 12.4: CENAB Item 3.1.4 - Poplar Island Invasive Species Control Meetings
 Subtask 12.5: Task 12 Planning and Task Management

TASK 13 - VEGETATIVE MANAGEMENT TECHNICAL ANALYSIS (CENAB Item 3.2)

Requested Budget Increase for Task 13 through December 31, 2001

| MES LABOR | | | | Subtask 13.1 (GBA Subtask 3.2.1) | | Subtask 13.2 (GBA Subtask 3.2.2) | | Subtask 13.3 (GBA Subtask 3.2.3) | | Subtask 13.4 (CENAB Item Number) | | TASK TOTALS | | Work Performed |
|--|-------------------|------------------|------------------|----------------------------------|---------|----------------------------------|----------|----------------------------------|---------|----------------------------------|---------|-------------|----------|--|
| Category | Employee | FY00 Hourly Rate | FY01 Hourly Rate | Hours | Cost | Hours | Cost | Hours | Cost | Hours | Cost | Hours | Cost | |
| Project Director/Senior Planner | Wayne Young | \$35.61 | \$37.04 | | \$0 | | \$0 | | \$0 | 2 | \$74 | 2 | \$74 | Project/Operations Planning, Contract Oversight, Tech. Review Project Management, Ops Planning. Note: K. Wikar thru 10/20/00; S. Storms from 10/20 Environmental Science/Monitoring Environmental Science/Monitoring Alternate Project Manager, Environmental Science. Position will be backfilled or hours reprogrammed to others upon assignment as project manager. Contracting Planning and Documentation and Mgt. Support; Note: Position being filled Task Mgt.Support/Env. Science/Geology Environmental Science/Biology Environmental Technical/Inspection, Phragmites Control Environmental Technical Environmental Technical/Inspection Environmental Technical Engineering Planning and Review Construction Planning Engineering Design Evaluation, Cost Estimates Civil and Dredging Engineering, Surveys. Note: S. Moore until 11/16; position being filled Engineering Design Evaluation, Cost Estimates Engineering Design Evaluation, Cost Estimates Construction Engineering Field Operations Planning Environmental Technical Support CAD Drawings, Document Preparation CAD Drawings, Document Preparation Marine Operations, Construction Inspection Engineering Technical Support |
| Project Manager | see note at right | \$24.31 | \$27.71 | | \$0 | | \$0 | 8 | \$222 | 8 | \$222 | 16 | \$443 | |
| Senior Environmental Scientist | Cecelia Donovan | \$28.12 | \$29.24 | | \$0 | | \$0 | | \$0 | 40 | \$1,170 | 40 | \$1,170 | |
| Environmental Scientist | Tammy Banta | \$25.06 | \$26.07 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Alt. Project Manager/ Env. Scientist | Steve Storms | \$23.09 | \$24.86 | | \$0 | | \$0 | | \$0 | 16 | \$398 | 16 | \$398 | |
| Project Management Specialist | see note at right | \$0.00 | \$23.00 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Environmental Specialist | Melissa Slatnik | \$14.87 | \$15.38 | | \$0 | | \$0 | 8 | \$123 | 40 | \$615 | 48 | \$738 | |
| Environmental Specialist | Sue Kelly | \$14.22 | \$16.27 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Environmental Specialist | Tom Humbles | \$16.23 | \$16.72 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Environmental Specialist | Erika Kehne | \$11.58 | \$12.40 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Environmental Specialist | Doug Taylor | \$13.35 | \$13.62 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Environmental Specialist | Gwen Neate | \$0.00 | \$13.83 | | \$0 | | \$0 | | \$0 | 48 | \$664 | 48 | \$664 | |
| Senior Engineer | William Chicca | \$36.48 | \$38.04 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Engineer, Civil | Larry Walsh | \$28.53 | \$29.68 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Engineer, Civil | David Foster | \$28.29 | \$29.42 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Engineer, Civil | see note at right | \$19.30 | \$21.59 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Engineer, Civil | Les Shaw | \$28.53 | \$29.68 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Engineer, Civil | Charles Peng | \$23.13 | \$24.06 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Engineer, Construction | Ellis Heath | \$18.61 | \$19.17 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Operations Field Supervisor | Allen West | \$17.08 | \$18.21 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Environmental Dredging Tech | James Tracy | \$13.44 | \$15.40 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| CAD Technician | Chris Norris | \$20.54 | \$21.15 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| CAD Technician | Mark Cohoon | 16.46 | 19.96 | | \$0 | | \$0 | | \$0 | 16 | \$338 | 16 | \$338 | |
| Marine Operations Specialist | Jeffrey Pitts | \$22.44 | \$23.25 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Co-op | Brian Wolff | 10.54 | 10.54 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Boat/Equipment Operator | various | \$15.00 | \$15.00 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Labor Sub-Total | | | | 0 | \$0 | 0 | \$0 | 16 | \$345 | 170 | \$3,481 | 186 | \$3,825 | |
| Fringe @ 44.1% of labor | | 0.442 | 0.441 | | \$0 | | \$0 | | \$152 | | \$1,535 | | \$1,687 | |
| Overhead @ 45% of labor | | 0.45 | 0.45 | | \$0 | | \$0 | | \$155 | | \$1,566 | | \$1,721 | |
| Total Loaded Labor | | | | | \$0 | | \$0 | | \$652 | | \$6,582 | | \$7,234 | |
| DIRECT COST | | | | | | | | | | | | | | |
| Mileage | | 0.31 | 0.31 | | \$0 | | \$0 | | \$0 | 150 | \$47 | | \$47 | |
| Travel, Lodging, Per Diem | | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Supplies and Materials | | | | | \$0 | | \$0 | | \$10 | | \$25 | | \$35 | |
| Printing & Reproduction | | | | | \$0 | | \$0 | | \$100 | | \$100 | | \$100 | |
| Postage | | | | | \$0 | | \$0 | | \$10 | | \$25 | | \$35 | |
| Telephone, Communications | | | | | \$0 | | \$0 | | \$10 | | \$10 | | \$20 | |
| MES CAD Burden Rate | | \$18.00 | \$18.00 | | \$0 | | \$0 | | \$0 | 16 | \$288 | | \$288 | |
| Vehicle Service/Rental | | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Boat Service/Rental | | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Special Equipment | | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Other | | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Contracted Services (GBA) | | | | | \$5,229 | | \$18,055 | | \$1,532 | | \$0 | | \$24,816 | Dredging Engineering Planning and Technical Services |
| Contracted Services (Dolinar) | | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Contracted Services (Moffat & Nichol) | | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Contracted Services | | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Contracted Services | | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Contracted Services | | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Total Direct Costs | | | | | \$5,229 | | \$18,055 | | \$1,562 | | \$495 | | \$25,341 | |
| TASK 13 SUBTOTAL (Labor and Direct Costs) | | | | | \$5,229 | | \$18,055 | | \$2,214 | | \$7,076 | | \$32,574 | |

Subtask 13.1: GBA Subtask 3.2.1- Vegetative Management Analysis
 Subtask 13.2: GBA Subtask 3.2.2 - Hydraulic Analysis for Flow and Channel Geometry for Wetland Development
 Subtask 13.3: GBA Subtask 3.3.3 - Planning and Task Management
 Subtask 13.4: Habitat Objectives Framework

TASK 14 - VEGETATIVE PLANNING (CENAB Item 3.3)

Requested Budget Increase for Task 14 through December 31, 2001

| MES LABOR | | | | Subtask 14.1 (GBA Subtask 3.3.1) | | Subtask 14.2 (GBA Subtask 3.3.2) | | Subtask 14.3 (GBA Subtask 3.3.3) | | Subtask 14.4 (no CENAB Item Number) | | TASK TOTALS | | Work Performed | |
|--------------------------------------|-------------------|------------------|------------------|----------------------------------|--------------|----------------------------------|--------------|----------------------------------|----------------|-------------------------------------|--------------|-------------|----------------|--|--|
| Category | Employee | FY00 Hourly Rate | FY01 Hourly Rate | Hours | Cost | Hours | Cost | Hours | Cost | Hours | Cost | Hours | Cost | | |
| Project Director/Senior Planner | Wayne Young | \$35.61 | \$37.04 | 1 | \$37 | 1 | \$37 | 2 | \$74 | 2 | \$74 | 6 | \$222 | Project/Operations Planning, Contract Oversight, Tech. Review Project Management, Ops Planning. Note: K. Wikar thru 10/20/00; S. Storms from 10/20 Environmental Science/Monitoring Environmental Science/Monitoring Alternate Project Manager, Environmental Science. Position will be backfilled or hours reprogrammed to others upon assignment as project manager. Contracting Planning and Documentation and Mgt. Support; Note: Position being filled Task Mgt. Support/Env. Science/Geology Environmental Science/Biology Environmental Technical/Inspection, Phragmites Control Environmental Technical Environmental Technical/Inspection Environmental Technical Engineering Planning and Review Construction Planning Engineering Design Evaluation, Cost Estimates Civil and Dredging Engineering, Surveys. Note: S. Moore until 11/16; position being filled Engineering Design Evaluation, Cost Estimates Engineering Design Evaluation, Cost Estimates Construction Engineering Field Operations Planning Environmental Technical Support CAD Drawings, Document Preparation CAD Drawings, Document Preparation Marine Operations, Construction Inspection Engineering Technical Support | |
| Project Manager | see note at right | \$24.31 | \$27.71 | 2 | \$55 | 4 | \$111 | 4 | \$111 | 12 | \$333 | 22 | \$610 | | |
| Senior Environmental Scientist | Cecelia Donovan | \$28.12 | \$29.24 | 10 | \$292 | 10 | \$292 | 20 | \$585 | 0 | \$0 | 40 | \$1,170 | | |
| Environmental Scientist | Tammy Banta | \$25.06 | \$26.07 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Alt. Project Manager/ Env. Scientist | Steve Storms | \$23.09 | \$24.86 | 4 | \$99 | 4 | \$99 | 12 | \$298 | 4 | \$99 | 24 | \$597 | | |
| Project Management Specialist | see note at right | \$0.00 | \$23.00 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Environmental Specialist | Melissa Slatnik | \$14.87 | \$15.38 | | \$0 | | \$0 | 12 | \$185 | 12 | \$185 | 24 | \$369 | | |
| Environmental Specialist | Sue Kelly | \$14.22 | \$16.27 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Environmental Specialist | Tom Humbles | \$16.23 | \$16.72 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Environmental Specialist | Enka Kehne | \$11.58 | \$12.40 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Environmental Specialist | Doug Taylor | \$13.35 | \$13.62 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Environmental Specialist | Gwen Neate | \$0.00 | \$13.83 | | \$0 | | \$0 | 20 | \$277 | 20 | \$277 | 40 | \$553 | | |
| Senior Engineer | William Chicca | \$36.48 | \$38.04 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Engineer, Civil | Larry Walsh | \$28.53 | \$29.68 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Engineer, Civil | David Foster | \$28.29 | \$29.42 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Engineer, Civil | see note at right | \$19.30 | \$21.59 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Engineer, Civil | Les Shaw | \$28.53 | \$29.68 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Engineer, Civil | Charles Peng | \$23.13 | \$24.06 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Engineer, Construction | Ellis Heath | \$18.61 | \$19.17 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Operations Field Supervisor | Allen West | \$17.08 | \$18.21 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Environmental Dredging Tech | James Tracy | \$13.44 | \$15.40 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| CAD Technician | Chris Norris | \$20.54 | \$21.15 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| CAD Technician | Mark Cohoon | 16.46 | 19.96 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Marine Operations Specialist | Jeffrey Pitts | \$22.44 | \$23.25 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Co-op | Brian Wolff | 10.54 | 10.54 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Boat/Equipment Operator | various | \$15.00 | \$15.00 | | \$0 | | \$0 | | \$0 | | \$0 | 0 | \$0 | | |
| Labor Sub-Total | | | | 17 | \$484 | 19 | \$540 | 70 | \$1,529 | 50 | \$967 | 156 | \$3,520 | | |

| | | | | | | | | | | | | | |
|---------------------------|--|-------|-------|--|--------------|--|----------------|--|----------------|--|----------------|--|----------------|
| Fringe @ 44.1% of labor | | 0.442 | 0.441 | | \$214 | | \$238 | | \$674 | | \$427 | | \$1,553 |
| Overhead @ 45% of labor | | 0.45 | 0.45 | | \$218 | | \$243 | | \$688 | | \$435 | | \$1,584 |
| Total Loaded Labor | | | | | \$916 | | \$1,021 | | \$2,892 | | \$1,829 | | \$6,657 |

| Category | FY00 Hourly Rate | FY01 Hourly Rate | Hours | Cost | Hours | Cost | Hours | Cost | Hours | Cost |
|--|------------------|------------------|-------|------------|-------|----------------|-------|----------------|-------|----------------|
| DIRECT COST | | | | | | | | | | |
| Mileage | 0.31 | 0.31 | | \$0 | | \$0 | 75 | \$23 | 75 | \$23 |
| Travel, Lodging, Per Diem | | | | \$0 | | \$0 | | \$0 | | \$0 |
| Supplies and Materials | | | | \$0 | | \$0 | | \$0 | | \$0 |
| Printing & Reproduction | | | | \$0 | | \$0 | | \$25 | | \$25 |
| Postage | | | | \$0 | | \$0 | | \$100 | | \$100 |
| Telephone, Communications | | | | \$0 | | \$0 | | \$10 | | \$25 |
| MES CAD Burden Rate | | | | \$0 | | \$0 | | \$10 | | \$20 |
| Vehicle Service/Rental | \$18.00 | \$18.00 | | \$0 | | \$0 | | \$0 | | \$0 |
| Boat Service/Rental | | | | \$0 | | \$0 | | \$0 | | \$0 |
| Special Equipment | | | | \$0 | | \$0 | | \$0 | | \$0 |
| Other | | | | \$0 | | \$0 | | \$0 | | \$0 |
| Contracted Services (GBA, E2CR, ZNidarcic) | | | | \$0 | | \$4,377 | | \$5,206 | | \$2,318 |
| Contracted Services (Dolinar) | | | | \$0 | | \$0 | | \$0 | | \$0 |
| Contracted Services (Moffat & Nichol) | | | | \$0 | | \$0 | | \$0 | | \$0 |
| Contracted Services | | | | \$0 | | \$0 | | \$0 | | \$0 |
| Contracted Services | | | | \$0 | | \$0 | | \$0 | | \$0 |
| Contracted Services | | | | \$0 | | \$0 | | \$0 | | \$0 |
| Total Direct Costs | | | | \$0 | | \$4,377 | | \$5,249 | | \$2,501 |

| | | | | | | | | | | | | |
|--|--|--|--|--------------|--|----------------|--|----------------|--|----------------|--|-----------------|
| TASK 14 SUBTOTAL (Labor and Direct Costs) | | | | \$916 | | \$5,398 | | \$8,141 | | \$4,330 | | \$18,785 |
|--|--|--|--|--------------|--|----------------|--|----------------|--|----------------|--|-----------------|

Subtask 14.1: GBA Subtask 3.3.1- Design Test Plant Zones
 Subtask 14.2: GBA Subtask 3.3.2 - Review, Plan and Design Nursery
 Subtask 14.3: GBA Subtask 3.3.3 - Preliminary Vegetation Design
 Subtask 14.4: Planning, Technical Review, and Task Management for MES Task 14/CENAB Item 3.3

TASK 15 - PUBLIC MEETINGS TECHNICAL AND MEETING SUPPORT (Cenab Item Number 5.2)

Requested Budget Increase for Task 15 through December 31, 2001

| MES LABOR | | | | Subtask 15.1 | | Vacant | | Vacant | | TASK TOTALS | | Work Performed |
|--|-------------------|------------------|------------------|--------------|-----------------|----------|------------|----------|------------|-------------|-----------------|---|
| Category | Employee | FY00 Hourly Rate | FY01 Hourly Rate | Hours | Cost | Hours | Cost | Hours | Cost | Hours | Cost | |
| Project Director/Senior Planner | Wayne Young | \$35.61 | \$37.04 | 24 | \$889 | | \$0 | | \$0 | 24 | \$889 | Project/Operations Planning, Contract Oversight, Tech. Review/Support Project Management, Ops Planning, Tech Review/Support, progress/team mtgs. Note: K. Wikar until 10/20; S. Storms after 10/20 |
| Project Manager | see note at right | \$24.31 | \$27.71 | 40 | \$1,108 | | \$0 | | \$0 | 40 | \$1,108 | |
| Senior Environmental Scientist | Cecelia Donovan | \$28.12 | \$29.24 | 80 | \$2,339 | | \$0 | | \$0 | 80 | \$2,339 | Environmental Science/Monitoring |
| Environmental Scientist | Tammy Banta | \$25.06 | \$26.07 | | \$0 | | \$0 | | \$0 | 0 | \$0 | Environmental Science/Monitoring |
| Alt. Project Manager/ Env. Scientist | Steve Storms | \$23.09 | \$24.86 | 80 | \$1,989 | | \$0 | | \$0 | 80 | \$1,989 | Alternate Project Manager, Environmental Science. Position will be backfilled or hours reprogrammed to others upon assignment as project manager. Contracting Planning and Documentation and Mgt. Support; Note: Position being filled |
| Project Management Specialist | see note at right | \$0.00 | \$23.00 | | \$0 | | \$0 | | \$0 | 0 | \$0 | Task Mgt. Support/Env. Science/Geology |
| Environmental Specialist | Melissa Siatnik | \$14.87 | \$15.38 | 24 | \$369 | | \$0 | | \$0 | 24 | \$369 | Environmental Science/Biology |
| Environmental Specialist | Sue Kelly | \$14.22 | \$16.27 | | \$0 | | \$0 | | \$0 | 0 | \$0 | Environmental Technical/Inspection, Phragmites Control |
| Environmental Specialist | Tom Humbles | \$16.23 | \$16.72 | | \$0 | | \$0 | | \$0 | 0 | \$0 | Environmental Technical |
| Environmental Specialist | Erika Kehne | \$11.58 | \$12.40 | 0 | \$0 | | \$0 | | \$0 | 0 | \$0 | Environmental Technical/Inspection |
| Environmental Specialist | Doug Taylor | \$13.35 | \$13.62 | | \$0 | | \$0 | | \$0 | 0 | \$0 | Environmental Technical |
| Environmental Specialist | Gwen Neate | \$0.00 | \$13.83 | 24 | \$332 | | \$0 | | \$0 | 24 | \$332 | Task Manager, Engineering Planning and Review, progress/team mtgs. |
| Senior Engineer | William Chicca | \$36.48 | \$38.04 | | \$0 | | \$0 | | \$0 | 0 | \$0 | Construction Planning |
| Engineer, Civil | Lary Walsh | \$28.53 | \$29.68 | | \$0 | | \$0 | | \$0 | 0 | \$0 | Engineering Design Evaluation, Cost Estimates |
| Engineer, Civil | David Foster | \$28.29 | \$29.42 | | \$0 | | \$0 | | \$0 | 0 | \$0 | Civil and Dredging Engineering, Surveys, progress/team mtgs, field technical support. Note: S. Moore until 11/16; position being filled |
| Engineer, Civil | see note at right | \$19.30 | \$21.59 | 8 | \$173 | | \$0 | | \$0 | 8 | \$173 | Engineering Design Evaluation, Cost Estimates |
| Engineer, Civil | Les Shaw | \$28.53 | \$29.68 | | \$0 | | \$0 | | \$0 | 0 | \$0 | Engineering Design Evaluation, Cost Estimates |
| Engineer, Civil | Charles Peng | \$23.13 | \$24.06 | | \$0 | | \$0 | | \$0 | 0 | \$0 | Engineering Design Evaluation, Cost Estimates |
| Engineer, Construction | Ellis Heath | \$18.61 | \$19.17 | | \$0 | | \$0 | | \$0 | 0 | \$0 | Construction Engineering |
| Operations Field Supervisor | Allen West | \$17.08 | \$18.21 | | \$0 | | \$0 | | \$0 | 0 | \$0 | Field Operations Planning |
| Environmental Dredging Tech | James Tracy | \$13.44 | \$15.40 | | \$0 | | \$0 | | \$0 | 0 | \$0 | Technical Support |
| CAD Technician | Chris Norris | \$20.54 | \$21.15 | 8 | \$169 | | \$0 | | \$0 | 8 | \$169 | CAD Drawings, Document Preparation |
| CAD Technician | Mark Cohoon | 16.46 | 19.96 | 8 | \$160 | | \$0 | | \$0 | 8 | \$160 | CAD Drawings, Document Preparation |
| Marine Operations Specialist | Jeffrey Pitts | \$22.44 | \$23.25 | | \$0 | | \$0 | | \$0 | 0 | \$0 | Marine Operations, Construction Inspection |
| Co-op | Brian Wolff | 10.54 | 10.54 | | \$0 | | \$0 | | \$0 | 0 | \$0 | Engineering Technical Support |
| Boat/Equipment Operator | various | \$15.00 | \$15.00 | | \$0 | | \$0 | | \$0 | 0 | \$0 | Boat/Equipment Operations |
| Labor Sub-Total | | | | 296 | \$7,528 | 0 | \$0 | 0 | \$0 | 296 | \$7,528 | |
| Fringe @ 44.1% of labor | | 0.442 | 0.441 | | \$3,320 | | \$0 | | \$0 | | \$3,320 | |
| Overhead @ 45% of labor | | 0.45 | 0.45 | | \$3,388 | | \$0 | | \$0 | | \$3,388 | |
| Total Loaded Labor | | | | | \$14,235 | | \$0 | | \$0 | | \$14,235 | |
| DIRECT COST | | | | | | | | | | | | |
| Mileage | | 0.31 | 0.31 | 600 | \$186 | | \$0 | | \$0 | | \$186 | |
| Travel, Lodging, Per Diem | | | | | \$150 | | \$0 | | \$0 | | \$150 | |
| Supplies and Materials | | | | | \$300 | | \$0 | | \$0 | | \$300 | |
| Printing & Reproduction | | | | | \$25 | | \$0 | | \$0 | | \$25 | |
| Postage | | | | | \$10 | | \$0 | | \$0 | | \$10 | |
| Telephone, Communications | | | | | \$288 | | \$0 | | \$0 | | \$288 | |
| MES CAD Burden Rate | | \$18.00 | \$18.00 | 16 | \$288 | | \$0 | | \$0 | | \$288 | |
| Vehicle Service/Rental | | | | | \$0 | | \$0 | | \$0 | | \$0 | |
| Boat Service/Rental | | \$500.00 | \$500 | 0 | \$0 | | \$0 | | \$0 | | \$0 | Chartered Boat Trips for Large Groups |
| Special Equipment | | | | | \$0 | | \$0 | | \$0 | | \$0 | |
| Other | | | | | \$0 | | \$0 | | \$0 | | \$0 | |
| Contracted Services (GBA) | | | | | \$0 | | \$0 | | \$0 | | \$0 | Dredging Engineering Planning and Technical Services |
| Contracted Services (Dolinar) | | | | | \$0 | | \$0 | | \$0 | | \$0 | |
| Contracted Services (Moffat & Nichol) | | | | | \$0 | | \$0 | | \$0 | | \$0 | |
| Contracted Services | | | | | \$0 | | \$0 | | \$0 | | \$0 | |
| Contracted Services | | | | | \$0 | | \$0 | | \$0 | | \$0 | |
| Contracted Services | | | | | \$0 | | \$0 | | \$0 | | \$0 | |
| Total Direct Costs | | | | | \$959 | | \$0 | | \$0 | | \$959 | |
| TASK 15 SUBTOTAL (Labor and Direct Costs) | | | | | \$15,194 | | \$0 | | \$0 | | \$15,194 | |

Subtask 15.1: CENAB Item 5.2 - Public Meetings Technical and Meeting Support
Subtask 15.2: Vacant
Subtask 15.3: Vacant

TASK 16 - INTERORGANIZATIONAL SUPPORT (CENAB Item 5.4)

Requested Budget Increase for Task 16 through December 31, 2001

| MES LABOR | | | | Subtask 16.1 | | Subtask 16.2 | | Subtask 16.3 | | TASK TOTALS | | Work Performed |
|--------------------------------------|-------------------|------------------|------------------|--------------|----------------|--------------|----------------|--------------|----------------|-------------|-----------------|--|
| Category | Employee | FY00 Hourly Rate | FY01 Hourly Rate | Hours | Cost | Hours | Cost | Hours | Cost | Hours | Cost | |
| Project Director/Senior Planner | Wayne Young | \$35.61 | \$37.04 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | Project/Operations Planning, Contract Oversight, Tech. Review Project Management, Ops Planning. Note: K. Wikar thru 10/20/00; S. Storms from 10/20 Environmental Science/Monitoring Environmental Science/Monitoring Alternate Project Manager, Environmental Science. Position will be backfilled or hours reprogrammed to others upon assignment as project manager. Contracting Planning and Documentation and Mgt. Support, Note: Position being filled Task Mgt.Support/Env. Science/Geology Environmental Science/Biology Environmental Technical/Inspection, Phragmites Control Environmental Technical Environmental Technical/Inspection Environmental Technical Engineering Planning and Review Construction Planning Engineering Design Evaluation, Cost Estimates Civil and Dredging Engineering, Surveys. Note: S. Moore until 11/16; position being filled Engineering Design Evaluation, Cost Estimates Engineering Design Evaluation, Cost Estimates Construction Engineering Field Operations Planning Environmental Technical Support CAD Drawings, Document Preparation CAD Drawings, Document Preparation Marine Operations, Construction Inspection Engineering Technical Support Boat/Equipment Operations |
| Project Manager | see note at right | \$24.31 | \$27.71 | 8 | \$222 | 4 | \$111 | 16 | \$443 | 28 | \$776 | |
| Senior Environmental Scientist | Cecelia Donovan | \$28.12 | \$29.24 | 60 | \$1,754 | 48 | \$1,404 | 60 | \$1,754 | 168 | \$4,912 | |
| Environmental Scientist | Tammy Banta | \$25.06 | \$26.07 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Alt. Project Manager/ Env. Scientist | Steve Storms | \$23.09 | \$24.86 | 48 | \$1,193 | 12 | \$298 | 64 | \$1,591 | 124 | \$3,083 | |
| Project Management Specialist | see note at right | \$0.00 | \$23.00 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Environmental Specialist | Melissa Slatnik | \$14.87 | \$15.38 | 50 | \$769 | 50 | \$769 | 40 | \$615 | 140 | \$2,153 | |
| Environmental Specialist | Sue Kelly | \$14.22 | \$16.27 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Environmental Specialist | Tom Humbles | \$16.23 | \$16.72 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Environmental Specialist | Erika Kehne | \$11.58 | \$12.40 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | |
| Environmental Specialist | Doug Taylor | \$13.35 | \$13.62 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Environmental Specialist | Gwen Neate | \$0.00 | \$13.83 | 50 | \$692 | 50 | \$692 | 40 | \$553 | 140 | \$1,936 | |
| Senior Engineer | William Chicca | \$36.48 | \$38.04 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Engineer, Civil | Lary Walsh | \$28.53 | \$29.68 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Engineer, Civil | David Foster | \$28.29 | \$29.42 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Engineer, Civil | see note at right | \$19.30 | \$21.59 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Engineer, Civil | Les Shaw | \$28.53 | \$29.68 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Engineer, Civil | Charles Peng | \$23.13 | \$24.06 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Engineer, Construction | Ellis Heath | \$18.61 | \$19.17 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Operations Field Supervisor | Allen West | \$17.08 | \$18.21 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Environmental Dredging Tech | James Tracy | \$13.44 | \$15.40 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| CAD Technician | Chris Norris | \$20.54 | \$21.15 | 4 | \$85 | 2 | \$42 | 4 | \$85 | 10 | \$212 | |
| CAD Technician | Mark Cohoon | 16.46 | 19.96 | 4 | \$80 | 0 | \$0 | 4 | \$80 | 8 | \$160 | |
| Marine Operations Specialist | Jeffrey Pitts | \$22.44 | \$23.25 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Co-op | Brian Wolff | 10.54 | 10.54 | | \$0 | | \$0 | | \$0 | 0 | \$0 | |
| Boat/Equipment Operator | various | \$15.00 | \$15.00 | 4 | \$60 | 4 | \$60 | 4 | \$60 | 12 | \$180 | |
| Labor Sub-Total | | | | 228 | \$4,854 | 170 | \$3,375 | 232 | \$5,182 | 618 | \$13,411 | |

| | | | | | | | | | | |
|-------------------------------------|-------|-------|--|----------------|--|----------------|--|----------------|--|-----------------|
| Fringe @ 44.1% of labor (FY01 rate) | 0.442 | 0.441 | | \$2,141 | | \$1,489 | | \$2,285 | | \$5,914 |
| Overhead @ 45% of labor | 0.45 | 0.45 | | \$2,184 | | \$1,519 | | \$2,332 | | \$6,035 |
| Total Loaded Labor | | | | \$9,179 | | \$6,383 | | \$9,798 | | \$25,361 |

| DIRECT COST | | | | | | | | | | | |
|---------------------------------------|--|---------|---------|-----|--------------|----|--------------|-----|--------------|--|--------------|
| Mileage | | 0.31 | 0.31 | 150 | \$47 | 75 | \$23 | 300 | \$93 | | \$163 |
| Travel, Lodging, Per Diem | | | | | | | | | | | \$0 |
| Supplies and Materials | | | | | \$50 | | \$25 | | | | \$75 |
| Printing & Reproduction | | | | | \$100 | | \$25 | | | | \$125 |
| Postage | | | | | \$25 | | \$10 | | | | \$35 |
| Telephone, Communications | | | | | \$25 | | \$10 | | | | \$35 |
| MES CAD Burden Rate | | \$18.00 | \$18.00 | 8 | \$144 | 2 | \$36 | 8 | \$144 | | \$324 |
| Vehicle Service/Rental | | | | | | | | | | | \$0 |
| Boat Service/Rental | | \$500 | \$500 | 0 | \$0 | 0 | \$0 | 0 | \$0 | | \$0 |
| Special Equipment | | | | | | | | | | | \$0 |
| Other | | | | | | | | | | | \$0 |
| Contracted Services (GBA) | | | | | \$0 | | \$0 | | \$0 | | \$0 |
| Contracted Services (Dolinar) | | | | | \$0 | | \$0 | | \$0 | | \$0 |
| Contracted Services (Moffat & Nichol) | | | | | \$0 | | \$0 | | \$0 | | \$0 |
| Contracted Services | | | | | | | | | | | \$0 |
| Contracted Services | | | | | | | | | | | \$0 |
| Contracted Services | | | | | | | | | | | \$0 |
| Total Direct Costs | | | | | \$391 | | \$129 | | \$237 | | \$757 |

| | | | | | | | | | | |
|--|--|--|--|----------------|--|----------------|--|-----------------|--|-----------------|
| TASK 16 SUBTOTAL (Labor and Direct Costs) | | | | \$9,570 | | \$6,512 | | \$10,035 | | \$26,118 |
|--|--|--|--|----------------|--|----------------|--|-----------------|--|-----------------|

Subtask 16.1: CENAB Item 5.4.1 - Poplar Island Habitat Sub-Group
 Subtask 16.2: CENAB Item 5.4.2 Poplar Island Monitoring Sub-Group
 Subtask 16.3: CENAB Item 5.4.3 Poplar Island Working Group

| TASK 17 - PLANNING AND IMPLEMENTATION LOGISTICS AND GENERAL SUPPORT (no CENAB number) | | | | | | | | | | | | | | | | |
|---|-------------------|-------------|--------------|------|--------------|------|--------------|------|--------------|------|----------|------|-------------|------|----------------|---|
| Requested Budget Request for Task 17 through December 31, 2001 | | | | | | | | | | | | | | | | |
| MES LABOR | | | Subtask 17.1 | | Subtask 17.2 | | Subtask 17.3 | | Subtask 17.4 | | vacant | | TASK TOTALS | | Work Performed | |
| Category | Employee | Hourly Rate | Hours | Cost | Hours | Cost | Hours | Cost | Hours | Cost | Hours | Cost | Hours | Cost | | |
| Project Director/Senior Planner | Wayne Young | \$35.61 | \$37.04 | 4 | \$148 | 4 | \$148 | 4 | \$148 | 0 | \$0 | | | 12 | \$444 | Project/Operations Planning, Contract Oversight, Tech. Review |
| Project Manager | see note at right | \$24.31 | \$27.71 | 24 | \$665 | 24 | \$665 | 40 | \$1,108 | 0 | \$0 | | | 88 | \$2,438 | Project Management, Ops Planning. Note: K. Wikar thru 10/20/00; S. Storms from 10/20 |
| Senior Environmental Scientist | Cecelia Donovan | \$28.12 | \$29.24 | | \$0 | | \$0 | | \$0 | | \$0 | | | 0 | \$0 | Environmental Science/Monitoring |
| Environmental Scientist | Tammy Banta | \$25.06 | \$26.07 | | \$0 | | \$0 | | \$0 | | \$0 | | | 0 | \$0 | Environmental Science/Monitoring |
| Alt. Project Manager/ Env. Scientist | Steve Storms | \$23.09 | \$24.86 | 8 | \$199 | 8 | \$199 | | \$0 | | \$0 | | | 16 | \$398 | Alternate Project Manager, Environmental Science. Position will be backfilled or hours reprogrammed to others upon assignment as project manager. |
| Project Management Specialist | see note at right | \$0.00 | \$23.00 | | \$0 | | \$0 | 144 | \$3,312 | | \$0 | | | 144 | \$3,312 | Contracting Planning and Documentation and Mgt. Support; Note: Position being filled |
| Environmental Specialist | Melissa Slatnik | \$14.87 | \$15.38 | 12 | \$185 | 12 | \$185 | | \$0 | | \$0 | | | 24 | \$369 | Task Mgt. Support/Env. Science/Geology |
| Environmental Specialist | Sue Kelly | \$14.22 | \$16.27 | | \$0 | | \$0 | | \$0 | | \$0 | | | 0 | \$0 | Environmental Science/Biology |
| Environmental Specialist | Tom Humbles | \$16.23 | \$16.72 | | \$0 | | \$0 | | \$0 | | \$0 | | | 0 | \$0 | Environmental Technical/Inspection, Phragmites Control |
| Environmental Specialist | Erika Kehne | \$11.58 | \$12.40 | | \$0 | | \$0 | | \$0 | | \$0 | | | 0 | \$0 | Environmental Technical |
| Environmental Specialist | Doug Taylor | \$13.35 | \$13.62 | | \$0 | | \$0 | | \$0 | | \$0 | | | 0 | \$0 | Environmental Technical/Inspection |
| Environmental Specialist | Gwen Neate | \$0.00 | \$13.83 | | \$0 | | \$0 | | \$0 | | \$0 | | | 0 | \$0 | Environmental Technical |
| Senior Engineer | William Chicca | \$36.48 | \$38.04 | | \$0 | | \$0 | | \$0 | | \$0 | | | 0 | \$0 | Engineering Planning and Review |
| Engineer, Civil | Larry Walsh | \$28.53 | \$29.68 | | \$0 | | \$0 | | \$0 | | \$0 | | | 0 | \$0 | Construction Planning |
| Engineer, Civil | David Foster | \$28.29 | \$29.42 | | \$0 | | \$0 | | \$0 | | \$0 | | | 0 | \$0 | Engineering Design Evaluation, Cost Estimates |
| Engineer, Civil | see note at right | \$19.30 | \$21.59 | | \$0 | | \$0 | 40 | \$864 | | \$0 | | | 40 | \$864 | Civil and Dredging Engineering, Surveys. Note: S. Moore until 11/16; position being filled |
| Engineer, Civil | Les Shaw | \$28.53 | \$29.68 | | \$0 | | \$0 | | \$0 | | \$0 | | | 0 | \$0 | Engineering Design Evaluation, Cost Estimates |
| Engineer, Civil | Charles Peng | \$23.13 | \$24.06 | | \$0 | | \$0 | | \$0 | | \$0 | | | 0 | \$0 | Engineering Design Evaluation, Cost Estimates |
| Engineer, Construction | Ellis Heath | \$18.61 | \$19.17 | | \$0 | | \$0 | | \$0 | | \$0 | | | 0 | \$0 | Construction Engineering |
| Operations Field Supervisor | Allen West | \$17.08 | \$18.21 | | \$0 | | \$0 | | \$0 | | \$0 | | | 0 | \$0 | Field Operations Planning |
| Environmental Dredging Tech | James Tracy | \$13.44 | \$15.40 | | \$0 | | \$0 | 40 | \$616 | | \$0 | | | 40 | \$616 | Environmental Technical Support |
| CAD Technician | Chris Norris | \$20.54 | \$21.15 | | \$0 | | \$0 | | \$0 | | \$0 | | | 0 | \$0 | CAD Drawings, Document Preparation |
| CAD Technician | Mark Cohoon | 16.46 | 19.96 | | \$0 | | \$0 | | \$0 | | \$0 | | | 0 | \$0 | CAD Drawings, Document Preparation |
| Marine Operations Specialist | Jeffrey Pitts | \$22.44 | \$23.25 | | \$0 | | \$0 | | \$0 | | \$0 | | | 0 | \$0 | Marine Operations, Construction Inspection |
| Co-op | Brian Wolff | 10.54 | 10.54 | | \$0 | | \$0 | | \$0 | | \$0 | | | 0 | \$0 | Engineering Technical Support |
| Boat/Equipment Operators | various | \$15.00 | \$15.00 | | \$0 | 2880 | \$43,200 | | \$0 | 960 | \$14,400 | | | 3840 | \$57,600 | Boat/Equipment Operation. Service by various personnel |
| Labor Sub-Total | | | | 48 | \$1,197 | 2928 | \$44,397 | 268 | \$8,048 | 960 | \$14,400 | 0 | \$0 | 4204 | \$66,041 | |
| Fringe @ 44.1% of labor (FY01 rate) | | 0.442 | 0.441 | | \$528 | | \$19,579 | | \$2,667 | | \$6,350 | | \$0 | | \$29,124 | |
| Overhead @ 45% of labor | | 0.45 | 0.45 | | \$538 | | \$19,978 | | \$2,722 | | \$6,480 | | \$0 | | \$29,719 | |
| Total Loaded Labor | | | | | \$2,263 | | \$83,954 | | \$11,437 | | \$27,230 | | \$0 | | \$124,884 | |
| DIRECT COST | | | | | | | | | | | | | | | | |
| Mileage | | 0.31 | 0.31 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Travel, Lodging, Per Diem | | | | | \$24,000 | | | | | | \$12,000 | | | | \$36,000 | Assumes average of 1 person deployed for 12 months from HMI. Funding reverts to Task 17 once Task 18 is completed. |
| Supplies and Materials | | | | | | | | | | | | | | | \$0 | |
| Printing & Reproduction | | | | | | | | | | | | | | | \$0 | |
| Postage | | | | | | | | | | | | | | | \$0 | |
| Telephone, Communications | | | | | | | | | | | | | | | \$0 | |
| MES CAD Burden Rate | | | \$18.00 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Vehicle Service/Rental | | | | | \$81,000 | | | | | | | | | | \$81,000 | Vehicles; see detail sheet |
| Boat Service/Rental | | | | | | | \$151,500 | | | | | | | | \$151,500 | Boats and slips; see detail sheet |
| Special Equipment | | | | | | | | | | | \$60,000 | | | | \$60,000 | Special Equipment has been provided through Task 18 for initial implementation activities. |
| Other | | | | | | | | | \$226,200 | | | | | | \$226,200 | Other logistics support; see detail sheet |
| Contracted Services (GBA) | | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | Dredging Engineering Planning and Technical Services |
| Contracted Services (Dolinar) | | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Contracted Services (Moffat & Nichol) | | | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Contracted Services | | | | | | | | | | | | | | | \$0 | |
| Contracted Services | | | | | | | | | | | | | | | \$0 | |
| Contracted Services | | | | | | | | | | | | | | | \$0 | |
| Contracted Services | | | | | | | | | | | | | | | \$0 | |
| Total Direct Costs | | | | | \$105,000 | | \$151,500 | | \$226,200 | | \$72,000 | | \$0 | | \$554,700 | |
| TASK 17 SUBTOTAL (Labor and Direct Costs) | | | | | \$107,263 | | \$235,454 | | \$237,637 | | \$99,230 | | \$0 | | \$679,584 | |
| Subtask 17.1: Vehicle Lease/Rental/Service (less mileage) | | | | | | | | | | | | | | | | |
| Subtask 17.2: Boat Service/Rental | | | | | | | | | | | | | | | | |
| Subtask 17.3: Other Logistics Support | | | | | | | | | | | | | | | | |
| Subtask 17.4: Special Equipment (contingent item - to be determined as required) | | | | | | | | | | | | | | | | |
| Subtask 17.5: vacant | | | | | | | | | | | | | | | | |

| DIRECT COST SUPPORTING DETAIL ANALYSIS FOR TASK 17 THROUGH DECEMBER 31, 2001 | | | | | | | |
|--|--------|--------|---------|----------|---------|------------------|--|
| DIRECT COST: Subtask 17.1 (Vehicles) - 18 months estimate (July 1, 2000 to December 31, 2001) | | | | | | | |
| Items | Number | Unit | Rate | Quantity | Unit | Total | Notes and cost planning information. |
| 4x4 Pickup Truck with Auxilliary Fuel Tank | 1 | each | \$60 | 540 | day | \$32,400 | |
| 4X4 Carryall | 1 | each | \$45 | 540 | day | \$24,300 | |
| 15 Passenger Van | 1 | each | \$45 | 540 | day | \$24,300 | |
| | | | | | | \$0 | |
| | | | | | | \$0 | |
| Subtask 17.1 Vehicle Costs | | | | | | \$81,000 | |
| DIRECT COST: Subtask 17.2 (Boat Service/Charter) - 12 months estimate (October 1, 2000 to December 31, 2001) | | | | | | | |
| Items | Number | Unit | Rate | Quantity | Unit | Total | Notes and cost planning information. |
| Crew Boat (25-30 foot) | 1 | each | \$250 | 300 | day | \$75,000 | Crewboat capable of routine operations, Spring through Fall. Estimated \$600 daily charge for bare boat charter (2 hours operation; 8 hours standby). |
| All Season Crew Boat (32-42 foot) | 1 | each | \$600 | 120 | day | \$72,000 | Crewboat capable of winter operations. Estimated \$600 daily charge for bare boat charter (2 hours operation; 8 hours standby). |
| Boat Service | 1 | each | \$450 | 0 | day | \$0 | Supplemental Boat Service. Note: Addressed by Task for Tasks 1 through 18. |
| Survey Boat (25-30 foot) | 1 | each | \$250 | 0 | day | \$0 | Note: Included in price estimate for first year environmental monitoring under EA contract with CENAB. |
| Boat Slip | 1 | each | \$300 | 15 | month | \$4,500 | Note: Covers Fall 2000 through December 31, 2001. |
| Subtask 17.2 Boat Costs | | | | | | \$151,500 | |
| DIRECT COST: Subtask 17.3 (Other Logistics Support) - 18 months estimate (July 1, 2000 through December 31, 2001) | | | | | | | |
| Items | Number | Unit | Rate | Quantity | Unit | Total | Notes and cost planning information. |
| Leased Land Base | 1 | each | \$500 | 18 | month | \$9,000 | Parking and work/storage space at Lowes Wharf or other suitable location |
| Barge Service - Mob/Demob of Equipment | 1 | each | \$4,700 | 6 | run | \$28,200 | Barge run and 4 hours of tug standby time for mob of equipment. 1 run per quarter. |
| Barge Service (Parts, Supplies, Other Logistics) | 1 | each | \$4,200 | 12 | run | \$50,400 | Barge run and 4 hours of tug standby time for large parts and supplies once every 6 weeks. |
| Field Office Trailer/Heavy Weather Shelter | 1 | each | \$1,500 | 18 | month | \$27,000 | Commences upon completion of Task 18 underdrain and dike raising support services. |
| Port-a-Pottie | 1 | each | \$100 | 18 | month | \$1,800 | Price estimate for 1 - 40 foot trailer and 1 - 20 foot trailer. |
| Storage Container | 1 | each | \$100 | 18 | month | \$1,800 | Price estimate for 1 - 40 foot trailer and 1 - 20 foot trailer. |
| Generator | 1 | each | \$500 | 18 | month | \$9,000 | Power source for field office. |
| Diesel Fuel | 1 | gallon | \$4.00 | 18000 | gallons | \$72,000 | Estimated per gallon fuel cost includes transportation to island and storage. Estimate assumes fuel logistics through Task 17 upon completion of Task 18 underdrain installation and dike raising support services for period 1/1/01 through 12/31/01. Estimated fuel consumption is 1,500 gallons/month for limited support from specialized equipment. |
| Fuel Truck (3,000 gallon) | 1 | each | \$1,500 | 18 | month | \$27,000 | On-site Fuel Distribution |
| Subtask 17.3 Other Logistic Support Costs | | | | | | \$226,200 | |

ENVIRONMENTAL, PLANNING, TECHNICAL AND IMPLEMENTATION SERVICES FOR POPLAR ISLAND ENVIRONMENTAL RESTORATION PROJECT

ESTIMATED MES LABOR for Tasks 1 through 17 through December 31, 2001

| | | MES LABOR | | | | | | | | | | | | | | | | | TOTAL | Work Performed | |
|--------------------------------------|-------------------|-------------|------------|------------|----------|-----------|------------|-----------|----------|------------|----------|------------|----------|------------|------------|------------|------------|-------------|--------------|---|-------------------------------|
| Category | Employee | TASK 1 | TASK 2 | TASK 3 | TASK 4 | TASK 5 | TASK 6 | TASK 7 | TASK 8 | TASK 9 | TASK 10 | TASK 11 | TASK 12 | TASK 13 | TASK 14 | TASK 15 | TASK 16 | TASK 17 | TOTAL | | |
| Project Director/Senior Planner | Wayne Young | 656 | 7 | 24 | 0 | 2 | 5 | 10 | 0 | 22 | 0 | 40 | 0 | 2 | 6 | 24 | 0 | 12 | 810 | Project/Operations Planning, Contract Oversight, Tech. Review | |
| Project Manager | see note at right | 1232 | 18 | 44 | 0 | 16 | 26 | 20 | 0 | 49 | 0 | 8 | 0 | 16 | 22 | 40 | 28 | 88 | 1607 | Project Management, Ops Planning. Note: K. Wikar thru 10/20/00; S. Storms from 10/20 | |
| Senior Environmental Scientist | Cecelia Donovan | 80 | 120 | 0 | 0 | 0 | 40 | 0 | 0 | 32 | 0 | 8 | 0 | 40 | 40 | 80 | 168 | 0 | 608 | Environmental Science/Monitoring | |
| Environmental Scientist | Tammy Banta | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | Environmental Science/Monitoring | |
| Alt. Project Manager/ Env. Scientist | Steve Storms | 392 | 80 | 0 | 0 | 0 | 40 | 0 | 0 | 36 | 0 | 16 | 0 | 16 | 24 | 80 | 124 | 16 | 824 | Alternate Project Manager, Environmental Science. Position will be backfilled or hours reprogrammed to others upon assignment as project manager. | |
| Project Management Specialist | see note at right | 616 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 144 | 760 | Contracting Planning and Documentation and Mgt. Support; Note: Position being filled | |
| Environmental Specialist | Melissa Statnik | 184 | 160 | 24 | 0 | 8 | 40 | 16 | 0 | 24 | 0 | 0 | 0 | 48 | 24 | 24 | 140 | 24 | 716 | Task Mgt. Support/Env. Science/Geology | |
| Environmental Specialist | Sue Kelly | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | Environmental Science/Biology | |
| Environmental Specialist | Tom Humbles | 40 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 64 | Environmental Technical/Inspection, Phragmites Control | |
| Environmental Specialist | Erika Kehne | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | Environmental Technical | |
| Environmental Specialist | Doug Taylor | 24 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 48 | Environmental Technical/Inspection | |
| Environmental Specialist | Gwen Neate | 24 | 40 | 0 | 0 | 0 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 48 | 40 | 24 | 140 | 0 | 356 | Environmental Technical | |
| Senior Engineer | William Chicca | 104 | 0 | 64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 168 | Engineering Planning and Review | |
| Engineer, Civil | Larry Walsh | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | Construction Planning | |
| Engineer, Civil | David Foster | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | Engineering Design Evaluation, Cost Estimates | |
| Engineer, Civil | see note at right | 656 | 0 | 60 | 0 | 8 | 18 | 16 | 0 | 8 | 0 | 24 | 0 | 0 | 0 | 8 | 0 | 40 | 836 | Civil and Dredging Engineering, Surveys. Note: S. Moore until 11/16; position being filled | |
| Engineer, Civil | Les Shaw | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | Engineering Design Evaluation, Cost Estimates | |
| Engineer, Civil | Charles Peng | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | Engineering Design Evaluation, Cost Estimates | |
| Engineer, Construction | Ellis Heath | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | Construction Engineering | |
| Operations Field Supervisor | Allen West | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 48 | Field Operations Planning | |
| Environmental Dredging Tech | James Tracy | 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 40 | 168 | Environmental Technical Support | |
| CAD Technician | Chris Norris | 40 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 16 | 0 | 8 | 10 | 0 | 88 | CAD Drawings, Document Preparation | |
| CAD Technician | Mark Cohoon | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 8 | 0 | 56 | CAD Drawings, Document Preparation | |
| Marine Operations Specialist | Jeffrey Pitts | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | Marine Operations, Construction Inspection | |
| Co-op | Brian Wolff | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Engineering Technical Support |
| Boat/Equipment Operator | various | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 3840 | 3892 | Boat/Equipment Operation, Service by various personnel | |
| Labor Sub-Total | | 4512 | 467 | 216 | 0 | 34 | 207 | 62 | 0 | 191 | 0 | 112 | 0 | 186 | 156 | 296 | 630 | 4204 | 11273 | | |

- Task 1: Project Planning, Technical, Environmental and Implementation Services
- Task 2: Long-Term Monitoring (CENAB Item 1.4)
- Task 3: Dewatering Plan and Underdrain and Pumping System (CENAB item 2.1.2)
- Task 4: Wetland Field Data (CENAB Item 2.1.4)
- Task 5: Baseline PSDDF Modeling and Cell Capacities (CENAB Item 2.1.5)
- Task 6: Plan and Design Marsh (CENAB Item 2.1.6)
- Task 7: Material Management Plan for First Dredging Cycle (CENAB Item 2.1.7)
- Task 8: Filling Schedule and Quantities for First Placement Cycle (CENAB Item 2.1.8)
- Task 9: Technical Assistance for Planning First Placement Cycle (CENAB items 2.1 and 2.3)
- Task 10: Site Support and Logistics (CENAB Item 2.2)
- Task 11: Design Crust Management Plan (initial concept plan)
- Task 12: Phragmites Control (CENAB Item 3.1)
- Task 13: Vegetative Management Technical Analysis (CENAB Item 3.2)
- Task 14: Vegetative Planning (CENAB Item 3.3)
- Task 15: Public Meetings Technical and Meeting Support (CENAB Item 5.2)
- Task 16: Interorganizational Support (CENAB Item 5.4)
- Task 17: Planning and Implementation Logistics and General Support (no CENAB Item Number, provides field-level support for planning and related activities).

ATTACHMENT 2A

**MES SUBCONTRACTOR COST ESTIMATE FOR
SUBCONTRACTOR ELEMENTS OF TASK
AMENDMENT #1 FOR TASKS 1 TO 17**

From: "Dennis Urso" <dcurso@gba-inc.com>
To: MESDomain.GWIA("wayneyoung@erols.com")
Date: Sun, Oct 15, 2000 9:07 PM
Subject: Additional Budget for existing tasks

Wayne:

\$4K has been revised in attached spreadsheet.

The additional budget (\$332,711) for existing tasks covers Task 1 From June 1, 2000 through Dec. 2001, Task 2.1.2 from June 1, 2000 through Dec. 2000 and all other existing Tasks from June 1, 2000 Through October 2000. August and September is consolidated into this.

Keep in mind - In addition to the above, there will be 8 new tasks which we are referring to as "Second Stage". The second stage tasks include more Planning through Design and implementation support tasks. The stage 2 tasks are listed below and will be for activities between October 2000 through Dec. 31, 2001. The rough budget estimate for "second stage" new tasks is about \$1.2 M. Details will follow, hopefully this week.

Task 20 Phase I Cell Filling Technical Support
Task 21 Phase I Continued Dredged Material Planning & Design
Task 22 Phase I Monitoring of Cell 3D and Cell 2S
Task 23 Continued Dike Raising and Dike Construction Planning and Design (PHASE 1 & 2)
Task 24 Out Year Dredged Material Placement & Marsh Monitoring Planning
Task 25 Hydraulic & Sedimentation Analysis
Task 26 Vegetative Management Alternatives Analysis (Cell 3 D)
Task 27 Vegetative Planning Design & Implementation Support (Cells 3D, 1 & 3)

GAHAGAN & BRYANT ASSOCIATES, INC.

Dennis C. Urso
dcurso@gba-inc.com
410 682 5595 work
877 335 8763 cell
410-682-5595 voice
410-682-2175

----- Original Message -----

From: Wayne Young <wayneyoung@erols.com>
To: <dcurso@gba-inc.com>
Cc: <sstor@menv.com>; <kwika@menv.com>
Sent: Sunday, October 15, 2000 6:02 PM
Subject: Requested budget for 2.1.2.d

> Please call to discuss the \$4K that you listed for Mr. Galli in 2.1.2.d
> for the Aug/Sep period. This part of the price estimate you forwarded
> appears excessive to need inasmuch as 2.1.2.d is preparation of a MS
> Project schedule for the underdrain installation and dike raising. It's
> hard to visualize that Mr. Galli would have put in \$4K of effort on this

> particular subtask.

>

> Also, the updated estimate you sent to address increased level of effort
> mislabeled 2.1.2.h and 2.1.2.i as 2.1.2.h.a and 2.1.2.h.b.a. I'm still
> working through these numbers. Also, I noted that the earlier 10/2
> version misapplied the 2.1.2.h estimate to 2.1.2.d and the 2.1.2.i
> estimate to 2.1.2.h. Please confirm that the update you sent me Friday
> contains the correct estimates for the period 10/1/00 through 12/30/01
> for Tasks 1 through 17. I am under the impression that the estimate for
> Aug and Sep is not consolidated into the latest submission, and that I
> need to combine both numbers. Please confirm if this is a correct
> understanding.
>

CC: "Wayne Young" <WYOUN@menv.com>, "Walter J. Dinicol..."

Poplar Island Restoration Project - Site Development Plan

Gahagan & Bryant Associates, Inc.

Task I Project Planning Services

| Individual | Hourly Rate | Sub-Task 1.1 | | Sub-Task 1.2 | | Sub-Task 1.3 | | Total Task | |
|--|-------------|--------------|------------------|--------------|-----------------|--------------|-----------------|-------------|------------------|
| | | hours | Labor | hours | Labor | hours | Labor | hours | Labor |
| W G Gahagan | \$53.30 | 0 | \$0 | 4 | \$213 | 0 | \$0 | 4 | \$213 |
| J F Bryant | \$53.30 | 0 | \$0 | 4 | \$213 | 0 | \$0 | 4 | \$213 |
| R F Thomas | \$32.00 | 10 | \$320 | 12 | \$384 | 0 | \$0 | 22 | \$704 |
| D C Urso | \$36.78 | 330 | \$12,137 | 60 | \$2,207 | 40 | \$1,471 | 430 | \$15,815 |
| P R Steele | \$37.55 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| G T Bryant | \$43.13 | 0 | \$0 | 4 | \$173 | 0 | \$0 | 4 | \$173 |
| R A Roman | \$34.13 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| Carlton Bryant | \$29.75 | 90 | \$2,678 | 0 | \$0 | 0 | \$0 | 90 | \$2,678 |
| R K Mohan | \$33.65 | 310 | \$10,432 | 40 | \$1,346 | 10 | \$337 | 360 | \$12,114 |
| S W Tracey | \$20.19 | 70 | \$1,413 | 50 | \$1,010 | 0 | \$0 | 120 | \$2,423 |
| T M Donegan | \$21.63 | 70 | \$1,514 | 50 | \$1,082 | 0 | \$0 | 120 | \$2,596 |
| W J Dinicola | \$20.67 | 400 | \$8,268 | 50 | \$1,034 | 160 | \$3,307 | 610 | \$12,609 |
| W H Schwarz | \$35.80 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| W Nuckols | \$19.23 | 180 | \$3,461 | 50 | \$962 | 0 | \$0 | 230 | \$4,423 |
| J P Yachmetz | \$13.50 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| E DeAngelo | \$21.63 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| P L Patterson | \$14.50 | 0 | \$0 | 0 | \$0 | 90 | \$1,305 | 90 | \$1,305 |
| Totals | | 1460 | \$40,223 | 324 | \$8,622 | 300 | \$6,420 | 2084 | \$55,265 |
| Average hourly rate | | | \$27.55 | | \$26.61 | | \$21.40 | | \$26.52 |
| Overhead @ 160% | | 160% | \$64,357 | 160% | \$13,795 | 160% | \$10,272 | | \$88,424 |
| Subtotal | | | \$104,580 | | \$22,416 | | \$16,692 | | \$143,689 |
| Fixed Fee @ 10% | | 10% | \$10,458 | 10% | \$2,242 | 10% | \$1,669 | | \$14,369 |
| Total Labor, Overhead and Fixed Fee | | | \$115,038 | | \$24,658 | | \$18,361 | | \$158,057 |
| Direct Costs | | | | | | | | | |
| Travel Hotel & Per Diem | | | \$700 | | \$100 | | \$0 | | \$800 |
| Printing & Reproduction | | | \$1,100 | | \$200 | | \$100 | | \$1,400 |
| Telephone and Express Packages | | | \$520 | | \$50 | | \$200 | | \$770 |
| Survey Equipment Use | | | \$0 | | \$0 | | \$50 | | \$50 |
| Special Equipment Rental | | | \$0 | | \$0 | | \$0 | | \$0 |
| Boat Rental | | | \$0 | | \$0 | | \$0 | | \$0 |
| Total Direct Costs | | | \$2,320 | | \$350 | | \$350 | | \$3,020 |
| Subcontractors | | | | | | | | | |
| ECI | | | \$10,000 | | \$0 | | \$0 | | \$10,000 |
| E2CR | | | \$0 | | \$0 | | \$0 | | \$0 |
| E2SI | | | \$0 | | \$0 | | \$0 | | \$0 |
| Dr. Znidarcic | | | \$0 | | \$0 | | \$0 | | \$0 |
| Jim Galli | | | \$15,800 | | \$0 | | \$0 | | \$15,800 |
| Total Subcontractor | | | \$25,800 | | \$0 | | \$0 | | \$25,800 |
| Total Task Costs | | | \$143,158 | | \$25,008 | | \$18,711 | | \$186,877 |

NOTES:

- Sub-Task 1.1 Joint Planning Team Support
- Sub-Task 1.2 Supplemental Engineering and Technical Services
- Sub-Task 1.3 Planning and Task Management

Task I \$186,877

Poplar Island Restoration Project - Site Development Plan

Gahagan & Bryant Associates, Inc.
Task 2.1.4 Wetland Field Data

| Individual | Hourly Rate | Sub-Task 2.1.4.a | | Sub-Task 2.1.4.b | | Sub-Task 2.1.4.c | | Sub-Task 2.1.4.d | | Sub-Task 2.1.4.e | | Sub-Task 2.1.4.f | | Sub-Task 2.1.4.g | | Total Task | |
|--|-------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|----------------|----------------|
| | | hours | Labor | hours | Labor | hours | Labor | hours | Labor | hours | Labor | hours | Labor | hours | Labor | hours | Labor |
| W G Gahagan | \$53.30 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| J F Bryant | \$53.30 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| R F Thomas | \$32.00 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| D C Urso | \$36.78 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| P R Steele | \$37.55 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| G T Bryant | \$43.13 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| R A Roman | \$34.13 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| Lee Hurm | \$29.75 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| R K Mohan | \$33.65 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| S W Tracey | \$20.19 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| T M Donegan | \$21.63 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| W J Dinicola | \$20.67 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| W H Schwarz | \$35.80 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| W Nuckols | \$19.23 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| J P Yachmetz | \$13.50 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| E DeAngelo | \$21.63 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| P L Patterson | \$13.00 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| Totals | | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| Average hourly rate | | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! |
| Overhead @ 160% | | \$0 160% | \$0 160% | \$0 160% | \$0 160% | \$0 160% | \$0 160% | \$0 160% | \$0 160% | \$0 160% | \$0 160% | \$0 160% | \$0 160% | \$0 160% | \$0 160% | \$0 160% | \$0 160% |
| Subtotal | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Fixed Fee @ 10% | | \$0 10% | \$0 10% | \$0 10% | \$0 10% | \$0 10% | \$0 10% | \$0 10% | \$0 10% | \$0 10% | \$0 10% | \$0 10% | \$0 10% | \$0 10% | \$0 10% | \$0 10% | \$0 10% |
| Total Labor, Overhead and Fixed Fee | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Direct Costs | | | | | | | | | | | | | | | | | |
| Travel Hotel & Per Diem | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Printing & Reproduction | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Telephone and Express Packages | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Survey Equipment Use | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Special Equipment Rental | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Other | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total Direct Costs | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Subcontractors | | | | | | | | | | | | | | | | | |
| ECI | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| E2CR | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| E2SI | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Dr. Znidarcic | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Jim Galli | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total Subcontractor | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total Task Costs | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |

NOTES:

- Sub-Task 2.1.4.a Geotechnical Sampling Plan
- Sub-Task 2.1.4.b Sediment Cores
- Sub-Task 2.1.4.c Index Properties
- Sub-Task 2.1.4.d Foundation Consolidation Documentation
- Sub-Task 2.1.4.e Cell Baseline Surveys
- Sub-Task 2.1.4.f Seepage Induced Consolidation Testing
- Sub-Task 2.1.4.g Planning and Task Management

Task 2.1.4 \$0

Poplar Island Restoration Project - Site Development Plan

Gahagan & Bryant Associates, Inc.

Task 2.1.5 Baseline PSDDF and Cell Capacities

| Individual | Hourly Rate | Sub-Task 2.1.5.a | | Sub-Task 2.1.5.b | | Sub-Task 2.1.5.c | | Sub-Task 2.1.5.d | | Sub-Task 2.1.5.e | | Sub-Task 2.1.5.f | | Total Task | |
|--|-------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|-----------------|-----------------|
| | | hours | Labor | hours | Labor | hours | Labor | hours | Labor | hours | Labor | hours | Labor | hours | Labor |
| W G Gahagan | \$53.30 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| J F Bryant | \$53.30 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| R F Thomas | \$32.00 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| D C Urso | \$36.78 | 0 | \$0 | 15 | \$552 | 3 | \$110 | 2 | \$74 | 5 | \$184 | 5 | \$184 | 30 | \$1,103 |
| PR Steele | \$37.55 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| GT Bryant | \$43.13 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| R A Roman | \$34.13 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| Lee Hum | \$29.75 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| R K Mohan | \$33.65 | 0 | \$0 | 20 | \$673 | 0 | \$0 | 0 | \$0 | 10 | \$337 | 0 | \$0 | 30 | \$1,010 |
| S W Tracey | \$20.19 | 0 | \$0 | 0 | \$0 | 60 | \$1,211 | 10 | \$202 | 0 | \$0 | 0 | \$0 | 70 | \$1,413 |
| T M Donegan | \$21.63 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 30 | \$649 | 5 | \$108 | 0 | \$0 | 35 | \$757 |
| W J Dinicola | \$20.67 | 0 | \$0 | 60 | \$1,240 | 10 | \$207 | 0 | \$0 | 10 | \$207 | 15 | \$310 | 95 | \$1,964 |
| W H Schwarz | \$35.80 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| W Nuckols | \$19.23 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| J P Yachmetz | \$13.50 | 0 | \$0 | 40 | \$540 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 40 | \$540 |
| E DeAngelo | \$21.63 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| P L Patterson | \$13.00 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| Totals | | 0 | \$0 | 135 | \$3,005 | 73 | \$1,528 | 42 | \$924 | 30 | \$835 | 20 | \$494 | 300 | \$6,787 |
| Average hourly rate | | | #DIV/0! | | \$22.26 | | \$20.94 | | \$22.01 | | \$27.84 | | \$24.70 | | \$22.62 |
| Overhead @ 160% | | \$0 | 160% | \$4,808 | 160% | \$2,446 | 160% | \$1,479 | 160% | \$1,336 | 160% | \$790 | | | \$10,859 |
| Subtotal | | \$0 | | \$7,813 | | \$3,974 | | \$2,403 | | \$2,172 | | \$1,284 | | | \$17,646 |
| Fixed Fee @ 10% | | \$0 | 10% | \$781 | 10% | \$397 | 10% | \$240 | 10% | \$217 | 10% | \$128 | | | \$1,765 |
| Total Labor, Overhead and Fixed Fee | | \$0 | | \$8,594 | | \$4,371 | | \$2,644 | | \$2,389 | | \$1,413 | | | \$19,411 |
| Direct Costs | | | | | | | | | | | | | | | |
| Travel Hotel & Per Diem | | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Printing & Reproduction | | | \$0 | \$150 | \$100 | \$100 | \$100 | \$100 | \$100 | \$100 | \$100 | \$100 | \$100 | \$550 | |
| Telephone and Express Packages | | | \$0 | \$25 | \$40 | \$40 | \$40 | \$40 | \$40 | \$40 | \$40 | \$40 | \$40 | \$185 | |
| Survey Equipment Use | | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| Special Equipment Rental | | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| Other | | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| Total Direct Costs | | | \$0 | \$175 | \$140 | \$140 | \$140 | \$140 | \$140 | \$140 | \$140 | \$140 | \$140 | \$735 | |
| Subcontractors | | | | | | | | | | | | | | | |
| ECI | | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| E2CR | | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| E2SI | | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| Dr. Znidarcic | | | \$0 | \$10,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$10,000 | |
| Jim Galli | | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| Total Subcontractor | | | \$0 | \$10,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$10,000 | |
| Total Task Costs | | | \$0 | \$18,769 | \$4,511 | \$2,784 | \$2,529 | \$1,553 | | | | | | \$30,146 | |

NOTES:

- Sub-Task 2.1.5.a PSDDF Modeling Plan
- Sub-Task 2.1.5.b PSDDF Modeling
- Sub-Task 2.1.5.c Assessment of Dredged Material Elevations
- Sub-Task 2.1.5.d Phase I Cell Volume and Capacity Tables
- Sub-Task 2.1.5.e Elevations Modeling Report
- Sub-Task 2.1.5.f Planning and Task Management

Task 2.1.5 \$30,146

Poplar Island Restoration Project - Site Development Plan

Gahagan & Bryant Associates, Inc.

Task 2.1.6 Plan and Design Marsh

| Individual | Hourly Rate | Sub-Task 2.1.6.a | | Sub-Task 2.1.6.b | | Sub-Task 2.1.6.c | | Sub-Task 2.1.6.d | | Total Task | |
|-------------------------------------|-------------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|------------|-------|
| | | hours | Labor | hours | Labor | hours | Labor | hours | Labor | hours | Labor |
| W G Gahagan | \$53.30 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| J F Bryant | \$53.30 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| R F Thomas | \$32.00 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| D C Urso | \$36.78 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| P R Steele | \$37.55 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| G T Bryant | \$43.13 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| R A Roman | \$34.13 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| Lee Hurm | \$29.75 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| R K Mohan | \$33.65 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| S W Tracey | \$20.19 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| T M Donegan | \$21.63 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| W J Dinicola | \$20.67 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| W H Schwarz | \$35.80 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| W Nuckols | \$19.23 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| J P Yachmetz | \$13.50 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| E DeAngelo | \$21.63 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| P L Patterson | \$13.00 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| Totals | | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| Average hourly rate | | #DIV/0! | | #DIV/0! | | #DIV/0! | | #DIV/0! | | #DIV/0! | |
| Overhead @ 160% | | \$0 | 160% | \$0 | 160% | \$0 | 160% | \$0 | 160% | \$0 | |
| Subtotal | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Fixed Fee @ 10% | | \$0 | 10% | \$0 | 10% | \$0 | 10% | \$0 | 10% | \$0 | |
| Total Labor, Overhead and Fixed Fee | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Direct Costs | | | | | | | | | | | |
| Travel Hotel & Per Diem | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Printing & Reproduction | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Telephone and Express Packages | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Survey Equipment Use | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Special Equipment Rental | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Other | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Total Direct Costs | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Subcontractors | | | | | | | | | | | |
| ECI | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| E2CR | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| E2SI | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Dr. Znidarcic | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Jim Galli | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Total Subcontractor | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |
| Total Task Cnsts | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | |

NOTES:

- Sub-Task 2.1.6.a Marsh Construction Technical Analysis
- Sub-Task 2.1.6.b Water Level Control and Effluent Quality Techniques
- Sub-Task 2.1.6.c Concept Plan for Marsh Construction
- Sub-Task 2.1.6.d Planning and Task Management

Task 2.1.6 \$0

Poplar Island Restoration Project - Site Development Plan

Gahagan & Bryant Associates, Inc.

Task 2.1.7 Material Management Plan for First Dredging Cycle

| Individual | Hourly Rate | Sub-Task 2.1.7.a | | Sub-Task 2.1.7.b | | Sub-Task 2.1.7.c | | Sub-Task 2.1.7.d | | Sub-Task 2.1.7.e | | Sub-Task 2.1.7.f | | Sub-Task 2.1.7.g | | Total Task | |
|--|-------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|---------------------|------------------|----------------|------------|----------------|
| | | hours | Labor | hours | Labor | hours | Labor | hours | Labor | hours | Labor | hours | Labor | hours | Labor | hours | Labor |
| W G Gahagan | \$53.30 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| J F Bryant | \$53.30 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| R F Thomas | \$32.00 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| D C Urso | \$36.78 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 10 | \$368 | 5 | \$184 | 15 | \$552 |
| P R Steele | \$37.55 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| G T Bryant | \$43.13 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| R A Roman | \$34.13 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| Lee Hurm | \$29.75 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| R K Mohan | \$33.65 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 5 | \$168 | 0 | \$0 | 5 | \$168 |
| S W Tracey | \$20.19 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 40 | \$808 | 0 | \$0 | 40 | \$808 |
| T M Donegan | \$21.63 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 30 | \$649 | 5 | \$108 | 35 | \$757 |
| W J Dinicola | \$20.67 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 20 | \$413 | 20 | \$413 | 40 | \$827 |
| W H Schwarz | \$35.80 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| W Nuckols | \$19.23 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| J P Yachmetz | \$13.50 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| E DeAngelo | \$21.63 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 10 | \$216 | 0 | \$0 | 10 | \$216 |
| P L Patterson | \$13.00 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| Totals | | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 115 | \$2,622 | 30 | \$705 | 145 | \$3,328 |
| Average hourly rate | | | #DIV/0! | | #DIV/0! | | #DIV/0! | | #DIV/0! | | #DIV/0! | | \$22.80 | | \$23.52 | | \$22.95 |
| Overhead @ 160% | | | \$0 160% | | \$0 160% | | \$0 160% | | \$0 160% | | \$0 160% | | \$4,196 160% | | \$1,129 | | \$5,324 |
| Subtotal | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$6,818 | | \$1,834 | | \$8,652 |
| Fixed Fee @ 10% | | | \$0 10% | | \$0 10% | | \$0 10% | | \$0 10% | | \$0 10% | | \$682 10% | | \$183 | | \$865 |
| Total Labor, Overhead and Fixed Fee | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$7,500 | | \$2,018 | | \$9,517 |
| Direct Costs | | | | | | | | | | | | | | | | | |
| Travel Hotel & Per Diem | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 |
| Printing & Reproduction | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$75 | | \$100 | | \$175 |
| Telephone and Express Packages | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$25 | | \$20 | | \$45 |
| Survey Equipment Use | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 |
| Special Equipment Rental | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 |
| Other | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 |
| Total Direct Costs | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$100 | | \$120 | | \$220 |
| Subcontractors | | | | | | | | | | | | | | | | | |
| ECI | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 |
| E2CR | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 |
| E2SI | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 |
| Dr. Znidarcic | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 |
| Jim Galli | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 |
| Total Subcontractor | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 |
| Total Task Costs | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$7,600 | | \$2,138 | | \$9,737 |

NOTES:

- Sub-Task 2.1.7.a Placement Methods
- Sub-Task 2.1.7.b Phase I Cell Volume and Potential Capacity
- Sub-Task 2.1.7.c Wetland Cell Filling Procedures
- Sub-Task 2.1.7.d Upland Cell Filling Procedures
- Sub-Task 2.1.7.e Material Placement Plan For First Dredged Material Placement Cycle
- Sub-Task 2.1.7.f Plan and Design Dredged Material Fill Area for Future Use as a Test Plot
- Sub-Task 2.1.7.g Planning and Task Management

Task 2.1.7 \$9,737

Poplar Island Restoration Project - Site Development Plan

Gahagan & Bryant Associates, Inc.

Task 2.1.8 Filling Schedule and Quantities for First Placement Cycle

| Individual | Hourly Rate | Sub-Task 2.1.8.a | | Sub-Task 2.1.8.b | | Sub-Task 2.1.8.c | | Total Task | |
|---------------|-------------|------------------|-------|------------------|-------|------------------|-------|------------|-------|
| | | hours | Labor | hours | Labor | hours | Labor | hours | Labor |
| W G Gahagan | \$53.30 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| J F Bryant | \$53.30 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| R F Thomas | \$32.00 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| D C Urso | \$36.78 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| P R Steele | \$37.55 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| G T Bryant | \$43.13 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| R A Roman | \$34.13 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| Lee Hurm | \$29.75 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| R K Mohan | \$33.65 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| S W Tracey | \$20.19 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| T M Donegan | \$21.63 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| W J Dinicola | \$20.67 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| W H Schwarz | \$35.80 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| W Nuckols | \$19.23 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| J P Yachmetz | \$13.50 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| E DeAngelo | \$21.63 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| P L Patterson | \$13.00 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| Totals | | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |

Average hourly rate #DIV/0! #DIV/0! #DIV/0! #DIV/0!

| | | | | | | |
|-------------------------------------|-----|------|-----|------|-----|-----|
| Overhead @ 160% | \$0 | 160% | \$0 | 160% | \$0 | \$0 |
| Subtotal | \$0 | | \$0 | | \$0 | \$0 |
| Fixed Fee @ 10% | \$0 | 10% | \$0 | 10% | \$0 | \$0 |
| Total Labor, Overhead and Fixed Fee | \$0 | | \$0 | | \$0 | \$0 |

Direct Costs

| | | | | |
|--------------------------------|-----|-----|-----|-----|
| Travel Hotel & Per Diem | \$0 | \$0 | \$0 | \$0 |
| Printing & Reproduction | \$0 | \$0 | \$0 | \$0 |
| Telephone and Express Packages | \$0 | \$0 | \$0 | \$0 |
| Survey Equipment Use | \$0 | \$0 | \$0 | \$0 |
| Special Equipment Rental | \$0 | \$0 | \$0 | \$0 |
| Other | \$0 | \$0 | \$0 | \$0 |
| Total Direct Costs | \$0 | \$0 | \$0 | \$0 |

Subcontractors

| | | | | |
|---------------------|-----|-----|-----|-----|
| ECI | \$0 | \$0 | \$0 | \$0 |
| E2CR | \$0 | \$0 | \$0 | \$0 |
| E2SI | \$0 | \$0 | \$0 | \$0 |
| Dr. Znidarcic | \$0 | \$0 | \$0 | \$0 |
| Jim Galli | \$0 | \$0 | \$0 | \$0 |
| Total Subcontractor | \$0 | \$0 | \$0 | \$0 |

Total Task Costs \$0 \$0 \$0 \$0

NOTES: Task 2.1.8 \$0
 Sub-Task 2.1.8.a Placement Quantity Estimate
 Sub-Task 2.1.8.b Filling Schedule and Quantities
 Sub-Task 2.1.8.c Planning and Task Management

Poplar Island Restoration Project - Site Development Plan

Gahagan & Bryant Associates, Inc.

Task 2.1.9 Technical Assistance for Plans and Specifications for Dredging

| Individual | Hourly Rate | Sub-Task 2.1.9.a | | Sub-Task 2.1.9.b | | Total Task | |
|-------------------------------------|-------------|------------------|---------|------------------|---------|------------|---------|
| | | hours | Labor | hours | Labor | hours | Labor |
| W G Gahagan | \$53.30 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| J F Bryant | \$53.30 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| R F Thomas | \$32.00 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| D C Urso | \$36.78 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| P R Steele | \$37.55 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| G T Bryant | \$43.13 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| R A Roman | \$34.13 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| Lee Hurm | \$29.75 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| R K Mohan | \$33.65 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| S W Tracey | \$20.19 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| T M Donegan | \$21.63 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| W J Dinicola | \$20.67 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| W H Schwarz | \$35.80 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| W Nuckols | \$19.23 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| J P Yachmetz | \$13.50 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| E DeAngelo | \$21.63 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| P L Patterson | \$13.00 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| Totals | | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| Average hourly rate | | | #DIV/0! | | #DIV/0! | | #DIV/0! |
| Overhead @ 160% | | | \$0 | 160% | \$0 | | \$0 |
| Subtotal | | | \$0 | | \$0 | | \$0 |
| Fixed Fee @ 10% | | | \$0 | 10% | \$0 | | \$0 |
| Total Labor, Overhead and Fixed Fee | | | \$0 | | \$0 | | \$0 |
| Direct Costs | | | | | | | |
| Travel Hotel & Per Diem | | | \$0 | | \$0 | | \$0 |
| Printing & Reproduction | | | \$0 | | \$0 | | \$0 |
| Telephone and Express Packages | | | \$0 | | \$0 | | \$0 |
| Survey Equipment Use | | | \$0 | | \$0 | | \$0 |
| Special Equipment Rental | | | \$0 | | \$0 | | \$0 |
| Other | | | \$0 | | \$0 | | \$0 |
| Total Direct Costs | | | \$0 | | \$0 | | \$0 |
| Subcontractors | | | | | | | |
| ECI | | | \$0 | | \$0 | | \$0 |
| E2CR | | | \$0 | | \$0 | | \$0 |
| E2SI | | | \$0 | | \$0 | | \$0 |
| Dr. Znidarcic | | | \$0 | | \$0 | | \$0 |
| Jim Galli | | | \$0 | | \$0 | | \$0 |
| Total Subcontractor | | | \$0 | | \$0 | | \$0 |
| Total Task Costs | | | \$0 | | \$0 | | \$0 |

NOTES:

Sub-Task 2.1.9.a Dredging Contract Plans and Specifications
 Sub-Task 2.1.9.b Planning and Task Management

Task 2.1.9 \$0

Poplar Island Restoration Project - Site Development Plan

Gahagan & Bryant Associates, Inc.

Task 3.2 Vegetative Management Technical Analysis

| Individual | Hourly Rate | Sub-Task 3.2.1 | | Sub-Task 3.2.2 | | Sub-Task 3.2.3 | | Total Task | |
|--|-------------|----------------|----------------|----------------|-----------------|----------------|----------------|------------|-----------------|
| | | hours | Labor | hours | Labor | hours | Labor | hours | Labor |
| W G Gahagan | \$53.30 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| J F Bryant | \$53.30 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| R F Thomas | \$32.00 | 0 | \$0 | 5 | \$160 | 0 | \$0 | 5 | \$160 |
| D C Urso | \$36.78 | 5 | \$184 | 10 | \$368 | 0 | \$0 | 15 | \$552 |
| P R Steele | \$37.55 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| G T Bryant | \$43.13 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| R A Roman | \$34.13 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| Lee Hurm | \$29.75 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| R K Mohan | \$33.65 | 10 | \$337 | 40 | \$1,346 | 0 | \$0 | 50 | \$1,683 |
| S W Tracey | \$20.19 | 0 | \$0 | 30 | \$606 | 0 | \$0 | 30 | \$606 |
| T M Donegan | \$21.63 | 0 | \$0 | 80 | \$1,730 | 5 | \$108 | 85 | \$1,839 |
| W J Dinicola | \$20.67 | 10 | \$207 | 20 | \$413 | 20 | \$413 | 50 | \$1,034 |
| W H Schwarz | \$35.80 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| W Nuckols | \$19.23 | 30 | \$577 | 20 | \$385 | 0 | \$0 | 50 | \$962 |
| J P Yachmetz | \$13.50 | 0 | \$0 | 20 | \$270 | 0 | \$0 | 20 | \$270 |
| E DeAngelo | \$21.63 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| PL Patterson | \$13.00 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| Totals | | 55 | \$1,304 | 225 | \$5,278 | 25 | \$522 | 305 | \$7,103 |
| Average hourly rate | | | \$23.71 | | \$23.46 | | \$20.86 | | \$23.29 |
| Overhead @ 160% | | | \$2,086 | 160% | \$8,445 | 160% | \$834 | | \$11,366 |
| Subtotal | | | \$3,390 | | \$13,723 | | \$1,356 | | \$18,469 |
| Fixed Fee @ 10% | | | \$339 | 10% | \$1,372 | 10% | \$136 | | \$1,847 |
| Total Labor, Overhead and Fixed Fee | | | \$3,729 | | \$15,095 | | \$1,492 | | \$20,316 |
| Direct Costs | | | | | | | | | |
| Travel Hotel & Per Diem | | | \$0 | | \$0 | | \$0 | | \$0 |
| Printing & Reproduction | | | \$0 | | \$380 | | \$40 | | \$420 |
| Telephone and Express Packages | | | \$0 | | \$80 | | \$0 | | \$80 |
| Survey Equipment Use | | | \$0 | | \$0 | | \$0 | | \$0 |
| Special Equipment Rental | | | \$0 | | \$0 | | \$0 | | \$0 |
| Other | | | \$0 | | \$0 | | \$0 | | \$0 |
| Total Direct Costs | | | \$0 | | \$460 | | \$40 | | \$500 |
| Subcontractors | | | | | | | | | |
| ECI | | | \$1,500 | | \$2,500 | | \$0 | | \$4,000 |
| E2CR | | | \$0 | | \$0 | | \$0 | | \$0 |
| E2SI | | | \$0 | | \$0 | | \$0 | | \$0 |
| Dr. Znidarcic | | | \$0 | | \$0 | | \$0 | | \$0 |
| Jim Galli | | | \$0 | | \$0 | | \$0 | | \$0 |
| Total Subcontractor | | | \$1,500 | | \$2,500 | | \$0 | | \$4,000 |
| Total Task Costs | | | \$5,229 | | \$18,055 | | \$1,532 | | \$24,816 |

NOTES:

- Sub-Task 3.2.1 Vegetative Management Analysis
- Sub-Task 3.2.2 Hydraulic Analysis for Wetland Circulation
- Sub-Task 3.2.3 Planning and Task Management

Task 3.2 \$24,816

Poplar Island Restoration Project - Site Development Plan

Gahagan & Bryant Associates, Inc.
Task 3.3 Vegetative Planning

| Individual | Hourly Rate | Sub-Task 3.3.1 | | Sub-Task 3.3.2 | | Sub-Task 3.3.3 | | Sub-Task 3.3.4 | | Total Task | |
|--|-------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------|-----------------|
| | | hours | Labor | hours | Labor | hours | Labor | hours | Labor | hours | Labor |
| W G Gahagan | \$53.30 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| J F Bryant | \$53.30 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| R F Thomas | \$32.00 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| D C Urso | \$36.78 | 0 | \$0 | 5 | \$184 | 10 | \$368 | 5 | \$184 | 20 | \$736 |
| P R Steele | \$37.55 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| G T Bryant | \$43.13 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| R A Roman | \$34.13 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| Lee Hurm | \$29.75 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| R K Mohan | \$33.65 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| S W Tracey | \$20.19 | 0 | \$0 | 5 | \$101 | 15 | \$303 | 0 | \$0 | 20 | \$404 |
| T M Donegan | \$21.63 | 0 | \$0 | 20 | \$433 | 15 | \$324 | 0 | \$0 | 35 | \$757 |
| W J Dinicola | \$20.67 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 20 | \$413 | 20 | \$413 |
| W H Schwarz | \$35.80 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| W Nuckols | \$19.23 | 0 | \$0 | 40 | \$769 | 40 | \$769 | 10 | \$192 | 90 | \$1,731 |
| J P Yachmetz | \$13.50 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| E DeAngelo | \$21.63 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| P L Patterson | \$13.00 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 | 0 | \$0 |
| Totals | | 0 | \$0 | 70 | \$1,487 | 80 | \$1,764 | 35 | \$790 | 185 | \$4,041 |
| Average hourly rate | | | #DIV/0! | | \$21.24 | | \$22.05 | | \$22.56 | | \$21.84 |
| Overhead @ 160% | | | \$0 | 160% | \$2,379 | 160% | \$2,823 | 160% | \$1,263 | | \$6,465 |
| Subtotal | | | \$0 | | \$3,865 | | \$4,587 | | \$2,053 | | \$10,505 |
| Fixed Fee @ 10% | | | \$0 | 10% | \$387 | 10% | \$459 | 10% | \$205 | | \$1,051 |
| Total Labor, Overhead and Fixed Fee | | | \$0 | | \$4,252 | | \$5,046 | | \$2,258 | | \$11,556 |
| Direct Costs | | | | | | | | | | | |
| Travel Hotel & Per Diem | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 |
| Printing & Reproduction | | | \$0 | | \$100 | | \$120 | | \$50 | | \$270 |
| Telephone and Express Packages | | | \$0 | | \$25 | | \$40 | | \$10 | | \$75 |
| Survey Equipment Use | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 |
| Special Equipment Rental | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 |
| Other | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 |
| Total Direct Costs | | | \$0 | | \$125 | | \$160 | | \$60 | | \$345 |
| Subcontractors | | | | | | | | | | | |
| ECI | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 |
| E2CR | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 |
| E2SI | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 |
| Dr. Znidarcic | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 |
| Jim Galli | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 |
| Total Subcontractor | | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 |
| Total Task Costs | | | \$0 | | \$4,377 | | \$5,206 | | \$2,318 | | \$11,901 |

NOTES:

- Sub-Task 3.3.1 Design Test Plant Zones
- Sub-Task 3.3.2 Review, Plan and Design Nursery
- Sub-Task 3.3.3 Preliminary Vegetation Design
- Sub-Task 3.3.4 Planning and Task Management

Task 3.3 \$11,901

ATTACHMENT 3

**MES COMPILATION OF COST ESTIMATES FOR
ORIGINAL PROPOSAL AND TASK AMENDMENT
#1 FOR TASKS 1 TO 17**

TASK 10 - SITE SUPPORT AND LOGISTICS (CENAS Item 2.2) BUDGET REVISION REQUEST FOR TASK 10 THROUGH DECEMBER 31, 2009

Table with columns for MES LABOR, Subtask 10.1 through 10.10, and TASK TOTALS. Rows include employee names like Wayne Young, Project Director/Senior Planner, and various support roles. Columns show estimated hours, costs, and task descriptions.

Subtask 10.1: CENAS Item 2.2.1 - Buildings
Subtask 10.2: CENAS Item 2.2.2 - Offloading Dock
Subtask 10.3: CENAS Item 2.2.3 - Public Observation Structure
Subtask 10.4: CENAS Item 2.2.4 - Phone/Power
Subtask 10.5: CENAS Item 2.2.6 - Navigation Aids
Subtask 10.6: CENAS Item 2.2.7 - Fuel Supply
Subtask 10.7: CENAS Item 2.2.8 - Transportation
Subtask 10.8: CENAS Item 2.2.9 - Communications Plan
Subtask 10.9: CENAS Item 2.2.10 - Land Base
Subtask 10.10: Task 10 Planning and Task Management

TOTAL SUBTOTAL (Labor and Direct Costs) table showing summary values for each subtask and the overall total of \$112,112.

ENVIRONMENTAL, PLANNING, TECHNICAL AND IMPLEMENTATION SERVICES FOR POPLAR ISLAND ENVIRONMENTAL RESTORATION PROJECT

MES LABOR

BUDGET REVISION REQUEST FOR TASKS 1 TO 17 THROUGH DECEMBER 31, 2001

| | | MES LABOR | | | | | | | | | | | | | | | | | | |
|--------------------------------------|-------------------|-------------|------------|------------|-----------|-----------|------------|-----------|----------|------------|-------------|------------|------------|------------|------------|------------|-------------|-------------|----------------------------|---|
| Category | Employee | TASK 1 | TASK 2 | TASK 3 | TASK 4 | TASK 5 | TASK 6 | TASK 7 | TASK 8 | TASK 9 | TASK 10 | TASK 11 | TASK 12 | TASK 13 | TASK 14 | TASK 15 | TASK 16 | TASK 17 | TOTAL | Work Performed |
| Project Director/Senior Planner | Wayne Young | 952 | 14 | 64 | 1 | 3 | 10 | 11 | 1 | 66 | 44 | 48 | 1 | 4 | 12 | 48 | 20 | 20 | 1319 | Project/Operations Planning, Contract Oversight, Tech. Review/Support |
| Project Manager | see note at right | 1568 | 36 | 120 | 8 | 24 | 52 | 28 | 4 | 98 | 232 | 16 | 0 | 32 | 44 | 80 | 56 | 136 | 2534 | Project Management, Ops Planning, Tech Review/Support; progress/team mtgs. Note: K. Wikar until 10/20; S. Storms after 10/20 |
| Senior Environmental Scientist | Cecelia Donovan | 160 | 174 | 0 | 0 | 0 | 48 | 0 | 0 | 53 | 0 | 8 | 0 | 56 | 52 | 120 | 292 | 0 | 963 | Environmental Science/Monitoring |
| Environmental Scientist | Tammy Banta | 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 52 | Environmental Science/Monitoring |
| Alt. Project Manager/ Env. Scientist | Steve Storms | 520 | 146 | 0 | 0 | 0 | 46 | 0 | 0 | 72 | 0 | 16 | 60 | 32 | 48 | 120 | 248 | 32 | 1340 | Alternate Project Manager, Environmental Science. Position will be backfilled or hours reprogrammed to others upon assignment as project manager. |
| Project Management Specialist | see note at right | 616 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 144 | 760 | Contracting Planning and Documentation and Mgt. Support; Note: Position being filled |
| Environmental Specialist | Meissa Statnik | 320 | 264 | 48 | 8 | 16 | 48 | 24 | 4 | 32 | 144 | 0 | 12 | 96 | 48 | 48 | 280 | 48 | 1440 | Task Mgt. Support/Env. Science/Geology |
| Environmental Specialist | Sue Kelly | 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 48 | Environmental Science/Biology |
| Environmental Specialist | Tom Humbles | 80 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | 0 | 0 | 196 | 0 | 0 | 0 | 0 | 0 | 332 | Environmental Technical/Inspection, Phragmites Control |
| Environmental Specialist | Erika Kehne | 48 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 12 | 0 | 24 | 140 | 0 | 0 | 256 | Environmental Technical |
| Environmental Specialist | Doug Taylor | 36 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 84 | Environmental Technical |
| Environmental Specialist | Gwen Neale | 24 | 40 | 0 | 0 | 0 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 48 | 40 | 24 | 140 | 0 | 356 | Environmental Technical |
| Senior Engineer | William Chicca | 128 | 0 | 64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 192 | Task Manager, Engineering Planning and Review; progress/team mtgs. |
| Engineer, Civil | Larry Walsh | 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 84 | Construction Planning |
| Engineer, Civil | David Foster | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 152 | Engineering Design Evaluation, Cost Estimates |
| Engineer, Civil | see note at right | 680 | 0 | 60 | 0 | 12 | 32 | 16 | 0 | 16 | 228 | 36 | 0 | 0 | 0 | 16 | 0 | 40 | 1136 | Civil and Dredging Engineering, Surveys, progress/team mtgs, field technical support. Note: S. Moore until 11/16; position being filled |
| Engineer, Civil | Les Shaw | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 96 | Engineering Design Evaluation, Cost Estimates |
| Engineer, Civil | Charles Peng | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 104 | Engineering Design Evaluation, Cost Estimates |
| Engineer, Construction | Ellis Heath | 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 112 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 232 | Construction Engineering |
| Operations Field Supervisor | Allen West | 104 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 112 | Field Operations Planning |
| Environmental Dredging Tech | James Tracy | 144 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 8 | 8 | 0 | 0 | 0 | 0 | 0 | 40 | 208 | Technical Support |
| CAD Technician | Chris Norris | 56 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 79 | 0 | 0 | 32 | 0 | 16 | 20 | 0 | 231 | CAD Drawings, Document Preparation |
| CAD Technician | Mark Cohoon | 56 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 16 | 0 | 88 | CAD Drawings, Document Preparation |
| Marine Operations Specialist | Jeffrey Pitts | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120 | Marine Operations, Construction Inspection |
| Co-op | Brian Wolff | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | Engineering Technical Support |
| Boat/Equipment Operator | various | 64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 5280 | 5356 | Boat & Equipment Operation | |
| Labor Sub-Total | | 6020 | 750 | 356 | 17 | 55 | 284 | 79 | 9 | 421 | 1187 | 140 | 269 | 312 | 244 | 512 | 1224 | 5740 | 17619 | |

- Task 1: Project Planning, Technical, Environmental and Implementation Services
- Task 2: Long-Term Monitoring (CENAB Item 1.4)
- Task 3: Dewatering Plan and Underdrain and Pumping System (CENAB Item 2.1.2)
- Task 4: Wetland Field Data (CENAB Item 2.1.4)
- Task 5: Baseline PSDDF Modeling and Cell Capacities (CENAB Item 2.1.5)
- Task 6: Plan and Design Marsh (CENAB Item 2.1.6)
- Task 7: Material Management Plan for First Dredging Cycle (CENAB Item 2.1.7)
- Task 8: Filling Schedule and Quantities for First Placement Cycle (CENAB Item 2.1.8)
- Task 9: Technical Assistance for Planning First Placement Cycle (CENAB items 2.1 and 2.3)
- Task 10: Site Support and Logistics (CENAB Item 2.2)
- Task 11: Design Crust Management Plan (Initial concept plan)
- Task 12: Phragmites Control (CENAB Item 3.1)
- Task 13: Vegetative Management Technical Analysis (CENAB Item 3.2)
- Task 14: Vegetative Planning (CENAB Item 3.3)
- Task 15: Public Meetings Technical and Meeting Support (CENAB Item 5.2)
- Task 16: Interorganizational Support (CENAB Item 5.4)
- Task 17: Planning and Implementation Logistics and General Support (no CENAB Item Number; provides field-level support for planning and related activities)