

EXECUTIVE SUMMARY

Recommend Approval of Work Orders HM-FT-3902-06-05 and HM-FT-3902-06-06 under contract NO. 06-3902 with Humiston & Moore Engineers for permitting, surveying and construction observations of Wiggins Pass Maintenance & Dredging Project No. 900012 for a not-to-exceed, lump sum/time and material price of \$67,665.00

OBJECTIVE: Recommend approval of Work Orders HM-FT-3902-05 and HM-FT-3902-06-06 to Humiston & Moore Engineers for permitting, surveying and construction observations of Wiggins Pass Maintenance & Dredging Project No. 900012 for a not-to exceed, lump sum/time and material price of \$67,665.00.

CONSIDERATIONS: Development of the engineering required to secure a Notice to Proceed for the Wiggins Pass maintenance dredging. This includes pre and post construction surveys and engineering to support a disposal location from R-22 to R-25. This activity is defined under Work Order HM-FT-3902-06-05 and will cost \$30,770.00.

H&M will be assisting the County with construction observations during construction of the beach restoration project. Their proposal is based on an estimated construction period of 45 days. This activity is defined under Work Order HM-FT-3902-06-06 and is projected to cost \$36,895.00.

COUNTY ATTORNEY FINDING: A finding by the County Attorney is not required for this item.

FISCAL IMPACT: The Source of funds is from Category "A" Tourist Development Tax.

GROWTH MANAGEMENT IMPACT: There is no impact to the Growth Management Plan related to this action.

RECOMMENDATION: Recommend approval of Work Order HM-FT-3902-06-05 and HM-FT-3902-06-06 under Contract No. 06-3902 with Humiston & Moore for permitting, surveying and construction observations of Wiggins Pass Maintenance and Dredging Project No. 900012 for a not-to-exceed, lump sum/time and material price of \$67,665.00.

PREPARED BY: Gail Hambright, Tourist Tax Coordinator



**HUMISTON
& MOORE
ENGINEERS**

COASTAL
ENGINEERING DESIGN
AND PERMITTING

October 23, 2006
New Business VI - 4
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5679 STRAND COURT
NAPLES, FLORIDA 34110
FAX: 239 594 2025
PHONE: 239 594 2021

August 18, 2006

HM-FT-3902-06-05

Mr. Gary McAlpin
Collier County Public Utilities Engineering Department
3301 East Tamiami Trail, Building H
Naples, FL 34112

**Re: Proposal for Wiggins Pass Maintenance Dredging Permitting and Surveys,
H&M File No. 11049 (cross reference 16001)**

Dear Gary:

As requested, we are providing this proposal for assisting the County with obtaining the Department of Environmental Protection (DEP) Notice to Proceed under the existing permit for the referenced project. This proposal includes requesting a modification to the permit to allow placement of the dredged material on the beach between DEP reference monument R-22 extending southward toward R-25, with the actual shoreline distance to be determined based on the quantity of material and the design template for Vanderbilt Beach. The required drawings needed to submit the request for modifying the disposal plans will be prepared based on the use of recent survey data collected for Collier County by Coastal Planning and Engineering. The scope of work includes responding to questions from regulatory agencies, however, it does not include additional studies or data collection if such are required to obtain regulatory approvals. Project construction plans will be prepared from permit drawings approved under the Notice.

Additional surveys needed for the maintenance dredging are included in this proposed scope of work. It is assumed that surveys recently completed for the Wiggins Pass Monitoring Report and the County's Beach Monitoring Surveys will be sufficient for permitting purposes. It is further assumed that a preconstruction survey of the beach will not be required. This scope of work is therefore limited to a preconstruction survey of the channel, plus a postconstruction survey of the channel and the beach. The scope of the beach surveys will be a modification of the previous survey scope approved under the existing permit, which includes 13 beach profiles from R-10 to R-22, inclusive. The modified scope will be 13 profiles from R-13 to R-25, inclusive.

Scope of Work and Budget

1. Permitting. Prepare and submit a request for Notice to Proceed under the existing permit, including a request to modify the location of the beach disposal location, and prepare construction plans. **(Time and Materials Billing)**

Estimated Budget..... \$ 18,120.00

2. Surveys. Conduct a preconstruction survey of the channel and a postconstruction survey of the channel and beach disposal area. (**Lump Sum Billing**)

Estimated Budget..... \$ 12,650.00

Total amount of Proposal \$ 30,770.00

Tasks will be billed on a time and materials basis, unless otherwise noted. The budgets for these tasks may therefore be considered as not-to-exceed amounts with the understanding that in the event regulatory requirements or requests from County staff result in Additional Services exceeding the estimated budget amounts, a budget amendment will be requested.

Please call if you have any questions.

Sincerely yours,

HUMISTON & MOORE ENGINEERS

Ken Humiston

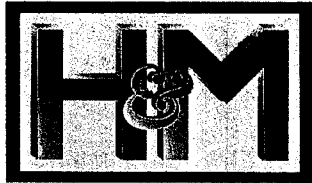
Kenneth K. Humiston, P.E.

Wiggins Pass Maintenance Dredging
Permitting and Surveying
Spreadsheet

October 23, 2006
New Business VI - 4

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		Initial Estimate of Resource Allocation										
		Actual allocation of personnel hours and task assignments will be determined during execution of individual tasks										
			\$ 160.00	\$ 125.00	\$ 100.00	\$ 70.00	\$ 65.00	\$ 50.00	\$ 50.00			TOTAL
Date	August 18, 2006	H&M									EXPENSE	
Task		FEES/HOURS	PRIN	PJT.MGR	EN3	EN1	SR.TECH	TECH	ADM	Reimb.Exp		
1	Permitting	17,870.00	5760.00	2750.00	4400.00	1960.00	1300.00	1000.00	700.00	250.00	\$	18,120.00
	H&M Task 1 Hours	184	36	22	44	28	20	20	14			
2	Surveys	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12650.00	\$	12,650.00
	TOTAL	\$ 17,870.00								25,800.00	\$	30,770.00
Task #1 Reimbursable for copies and Federal Express charges for correspondence relating to the NTP.												
In Accordance with Section 5.4 of the Contract, this estimate of reimbursable expenses is requested to be included in the work order.												
Material breakdown will be included on monthly billing based on the actual supplies used to complete the task.												



**HUMISTON
& MOORE
ENGINEERS**

COASTAL
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AND PERMITTING

October 23, 2006
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5679 STRAND COURT
NAPLES, FLORIDA 34110
FAX: 239 594 2025
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HM-FT-3902-06-06

August 18, 2006

Mr. Gary McAlpin
Collier County Public Utilities Engineering Department
3301 East Tamiami Trail, Building H
Naples, FL 34112

**Re: Proposal for Wiggins Pass Maintenance Dredging Construction Observations,
H&M File No. 16001 (cross reference 11049)**

Dear Gary:

As requested, we are providing this proposal for assisting the County with Construction Observations during construction of the referenced beach restoration project. This proposal is based on an estimated construction period of 45 days. It is our understanding that H&M's responsibilities will include attendance at a preconstruction meeting, attendance at weekly construction progress meetings, review of contractor payment requests and making recommendations to the County regarding progress payments, daily construction site observations, consulting with County staff and the contractor regarding requirements of the construction specifications and regulatory permit requirements including a DEP approved QA/QC plan, and receiving and review of contractor daily reports of operation. This scope of work also includes processing of preconstruction and postconstruction survey data to determine the quantity of material to be dredged, documenting the quantity actually dredged, documenting the postconstruction conditions of the beach fill area and preparing a post construction report to satisfy regulatory permit conditions. (The preconstruction and postconstruction survey data collection task was submitted as part of a separate proposal)

Scope of Work and Budget

1. Construction Observations. (Time and Materials Billing)

Estimated Budget..... \$ 32,465.00

2. Prepare Post Construction Report and Final Certifications. Consultant shall prepare a post construction report comparing the pre and post construction conditions of the beach and borrow area, including comparative preconstruction and post construction profiles as well as quantity computations. Consultant shall provide the final certification to DEP as required under the DEP permit.. The County or the Contractor will provide the survey data upon which this report will

be based. The deliverable will be 10 copies of the post construction report. (Time and Materials Billing)

Estimated Budget..... \$ 4,430.00

Total amount of Proposal..... \$ 36,895.00

Tasks will be billed on a time and materials basis, unless otherwise noted. The budgets for these tasks may therefore be considered as not-to-exceed amounts with the understanding that in the event regulatory requirements or requests from County staff result in Additional Services exceeding the estimated budget amounts, a budget amendment will be requested.

Please call if you have any questions.

Sincerely yours,

HUMISTON & MOORE ENGINEERS

Ken Humiston

Kenneth K. Humiston, P.E.

Wiggins Pass Maintenance Dredging
Construction Observation
Spreadsheet

October 23, 2006
New Business VI - 4
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		Initial Estimate of Resource Allocation								
Actual allocation of personnel hours and task assignments will be determined during execution of individual tasks										
			\$ 160.00	\$ 100.00	\$ 65.00	\$ 50.00	\$ 50.00		TOTAL	
Date	August 18, 2006	H&M							EXPENSE	
Task		FEES/HOURS	PRIN	EN3	SR.TECH	TECH	ADM	Reimb.Exp		
1	Construction Observations	32,465.00	7840.00	5500.00	10725.00	8250.00	150.00	0.00	\$ 32,465.00	
	H&M Task 1 Hours	437	49	55	165	165	3			
2	Post Construction Report	4,430.00	1280.00	1200.00	650.00	500.00	500.00	300.00	\$ 4,430.00	
	H&M Task 2 Hours	50	8	12	10	10	10			
	TOTAL	\$ 36,895.00						13,200.00	\$ 36,895.00	
Task #2 Reimbursable for copies and supplies to prepare 10 copies of the Post Construciton report										
In Accordance with Section 5.4 of the Contract, this estimate of reimbursable expenses is requested to be included in the work order.										
Material breakdown will be included on monthly billing based on the actual supplies used to to complete the task.										