

State of New Jersey

DEPARTMENT OF TRANSPORTATION 1035 Parkway Avenue PO Box 600 Trenton, New Jersey 08625-0600

Richard J. Codey Acting Governor

John F. Lettiere Commissioner

Please Reply To: NJDOT Office of Maritime Resources PO Box 837 Trenton, NJ 08625-0837 Phone: 609-530-4770 Fax: 609-530-4860

December 14, 2005

Ms. Cheryl Yetka
General Manager
Port Commerce Financial Services Dept.
225 Park Avenue South
11th Floor
New York, NY 10003

Dear Cheryl:

Per the attached letter, the Contamination Assessment and Reduction Project (CARP) Coordinator at the Hudson River Foundation is requesting additional funds to complete the assessment phase of CARP. Specifically, the CARP Coordinator is requesting \$150,959.00, \$103,329.00 from New Jersey and \$47,630.00 from New York. The difference in funding levels is due to the NJ Data Loading, Task #1, that NJ had previously agreed to fund. I support the request. My understanding is that the Port Authority also supports this request and would process the necessary contract modifications. To date we have not heard Empire State Development Corporation's position on this request.

The letter serves as authorization for the Port Authority to use \$103,959.00 in New Jersey's Joint Plan funds to cover the additional cost of this project should ESDC concur with the funding request. Accordingly I will reduce the funds available to the Office of Maritime Resources under the joint plan by \$103,959.00.

Thank you for you continued assistance. If you have any questions do not hesitate to call me at 609-530-4787.

Sincerely,

Michael D. Rilev

Manager

Office of Maritime Resources

November 30, 2005

Michael Riley NJ DOT, Office of Maritime Resources P0 Box 837 Trenton, NY 08625-0837

Joseph Chan V.P. of Real Estate Development NY ESDC 633 Third Avenue New York, NY 10017-6706

Gentlemen:

Working toward the goals set forth in the Harbor Estuary Program's (HEP) Comprehensive Conservation and Management Plan (CCMP) and the regional Dredged Material Management Plan (DMMP) the Contamination Assessment and Reduction Project (CARP) remains focused on eliminating the sources of contaminants specifically affecting the quality of the NY/NJ Harbor dredged material.

In order to meet this objective the Hudson River Foundation (HRF), acting as the coordinating body for the program, is focused on delivering a scientifically credible assessment of NY/NJ Harbor contamination as well as the creation of a management tool for the evaluation of contamination reduction scenarios. Our NY/NJ Harbor partners have recognized the CARP model as the preeminent tool for this purpose, and the model has been endorsed by the States and the U.S. Environmental Protection Agency (EPA) in developing total maximum daily loads (TMDLs). In addition, the model will be utilized to assess ecosystem restoration priorities through the U.S. Army Corps of Engineers' (USACE) Hudson Raritan Estuary program and is currently being used in the joint EPA/USACE/NJ Maritime Resources Passaic River Restoration project.

As you are aware, the CARP was funded as part of the Bi-State Dredging Agreement in 1996. Approximately \$25 million dollars was allocated to the Project. From the onset of the program, the CARP Management Committee recognized that although the sampling and technical support programs were extremely thorough and well thought out, problems would arise, data gaps would exist and the program would likely need supplemental funds to fill these gaps. On an as needed basis program elements, including data management, have been supplemented though the addition of approximately

\$1 million dollars contributed by the States of NY and NJ, USACE, EPA and HRF to date. The CARP has completed data collection and is scheduled to finish the modeling work in first quarter of 2006. However, there still remain a few critical and currently unfunded, tasks necessary to complete the project. It is imperative that the CARP data and summary final reports be made publicly available to compliment the public release of the CARP modeling results. These highly anticipated results, identifying and quantify the sources of contaminants of concern to the NY/NJ Harbor Estuary and predicting future conditions in the Estuary are the culmination of almost 10 years of effort and promise to provide compelling information to garner public support and guidance for our regional contaminant reduction efforts.

The attached proposal (Attachment A) outlines the remaining tasks to complete the assessment phase of CARP, including loading the outstanding data into project's central database, creating a distributable copy of the database, updating the website and writing and distributing the final report. The proposal also suggests a possible cost sharing arrangement for the program wide tasks. As such, on behalf of the CARP, I request the funds to complete these tasks are made available through the Bi-State Dredging agreement managed by the Port Authority of New York and New Jersey.

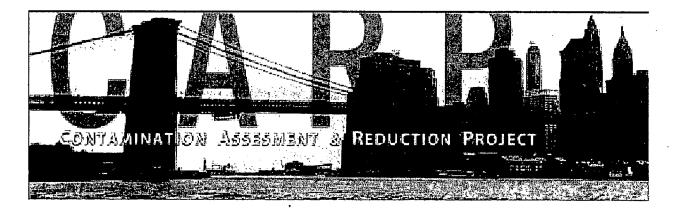
Please feel free to call me at (212) 924-8290 any questions regarding this proposal.

Sincerely,

James Lodge CARP Coordinator

Hudson River Foundation

cc. William Nurthen
Atef Ahmed
Philip O'Brian
Jay Hector
Scott Douglas



Proposal to Complete the Assessment Phase of the Contamination Assessment And Reduction Project Hudson River Foundation November 30, 2005

Background

The CARP which started data collection in 1999 and modeling work in 2001 is expected to complete the work identified in the in initial work plans in the first quarter of 2006. This proposal outlines the tasks necessary to finish the project. The Hudson River Foundation will act as the overall Project Manager, seeking sub-contractor support for the majority of the tasks.

TASK 1. NJ Data Loading

Most of the data collected under CARP have been loaded into the CARP master database. This database now contains over ¾ of a million records. Battelle, the CARP data base management contractor has submitted the attached proposal to load the remaining NJ data (Attachment 1, Battelle Proposal – Task 1 elements).

TASK 2. Database Query Interface CD

Data access and archiving of the CARP data is a critical element for completing CARP. This interface was developed by the CARP to provide quick and reliable public access to the validated, finalized CARP results. This task will complete the database query interface, allowing the CARP data to be accessed through a customized Microsoft Access interface and distributed on a CD. Battelle has submitted the attached proposal (Attachment 1, Battelle Proposal – Tasks 2-6) to finalize this interface and create the master CD.

TASK 3. CARP Data CD Printing

This task will make CD copies of the final CD database. An initial copy run of 1000 copies will be produced.

TASK 4. CARP Program Summary Report.

The production of the CARP final report will be managed by the Hudson River Foundation and will occur in 3 parts.

1. The CARP final report will be written and edited by the HRF, CARP PIs and CARP management committee members.

- 2. The report will be professionally illustrated and formatted for printing. This task will be managed by the Hudson River Foundation and will be subcontracted to an illustration contractor
- 3. The final report will be approximately 100 color pages. An initial run of 1,000 copies will be made. This task will be managed by the Hudson River Foundation and will be subcontracted to a printing contractor.
- 4. The final report will be mailed to interested parties requesting reports off the CARP website.

TASK 5. CARP Website Update

The CARP website (<u>www.carpweb.org</u>) was first published in 2003 and is hosted by the Hudson River Foundation. The website provides basic CARP program and contact information. Under this task the site will be updated with the final project information and will include several new features including the ability to download the final reports and other relevant documents. The website will also include an electronic form for requesting the CARP Database CD and a hard copy of the final summary report.

TASK 6. HRF Project Management/ Technical Writing.

The Hudson River Foundation has acted as the Coordinator of the CARP since 2001. This task will allow James Lodge of the Hudson River Foundation to continue his project coordination role, including acting as the project manager for the various subcontracts contained here, project manager for the modeling work, and lead author of the final summary report.

Budget Summary

Task #	Task Description	Total Cost	NJ	NY
Task 1	NJ Data Loading	\$55,431	\$55,431	
Task 2	Database Query Interface	// \$25,130		\$25,130
Task 3	CARP Data CD-1000 Copies	\$2,000		\$2,000
Task 4a	Program Summary Report — Illustrator	\$20,000	\$20,000	
Task 4b	Program Summary Report. – Printing	\$15,000		\$15,000
Task 4c	Program Summary Report. – Mailing	\$3,000	\$3,000	
Task 5	CARP Website Update	\$5,500		\$5,500
Task 6	HRF Project Management/ Technical Writing	\$24.898	\$24,898	
	Total Cost	\$150,959	\$103,329	\$47,630

Attachment 1

Battelle

The Business of Innovation

505 King Avenue Columbus, Ohio 43201-2693 (614) 424-6424 Fax (614) 424-5263

October 14, 2005

Proposal No. OP35667

Mr. James Lodge Hudson River Foundation 17 Battery Place Suite 915 New York, NY 10004

Dear Mr. Lodge:

CARP Interface Refinement

Battelle Memorial Institute, Columbus Operations (Battelle) is pleased to provide you with the enclosed proposal describing the scope and costs associated with the Contamination Assessment and Reduction Program. This proposal is intended as a stand-alone amendment to the contract between Hudson River Foundation and Battelle. Battelle estimates the work as described in the proposal will take 4 months to complete Battelle's offer is valid for thirty days from the date of this letter.

Except for the Payment Terms as specifically revised below, the terms and conditions of Agreement No. OP32448R shall apply to this work

Payment Terms:

"Foundation agrees to pay Battelle's charges for analytical services and for other expenses for performance of the Project, estimated at \$80,561.00, without set-off, payable as follows:

A. Initial deposit of \$24,170.00, due prior to commencement of Project activities.

B. Thereafter, Foundation will be invoiced by deliverable as deliverables are accomplished by Battelle.

Once invoicing reaches a total amount invoiced of 56,391, invoices will no longer reflect an amount due, as the initial deposit will be applied against sums invoiced.

BATTELLE

Mr. James Lodge Hudson River Foundation Page 2 of 2 Proposal No. OP35667

Foundation will not be required to reimburse, and Battelle shall not be required to incur, any charges for performance in excess of the estimate stated above, unless mutually agreed upon in writing. The balance of the deposit, if in excess of Five Hundred Dollars and No cents (\$500.00), shall be refunded to Foundation upon termination of the Project. Invoices not paid within thirty (30) days of the date of invoice shall accrue interest at the rate of two (2) percent per month, compounded daily."

To direct Battelle to conduct this additional work, please have an authorized representative sign and return one original of this letter to me or provide an amendment to our current agreement, along with payment of the enclosed invoice.

Please contact Tom Gulbransen at (631) 941-3211 for any questions of a technical nature. Questions of a contractual nature should be addressed to the undersigned at (614) 424-7967.

Sincerely,

Mary E. Bruge Contracting Officer

Enclosure

cc: Elizabeth Ferson Tom Gulbransen

Authorized: Hudson River Foundation

Ву:		
•	Signature	
Printed Name:		
Title:		
Date:		

The Business of Innovation

Invoice

10/14/2005

PAYMENT TERMS: NET 30

INVOICE NUMBER

57537

YOUR IDENTIFICATION NUMBER

OP35667

OUR PROJECT NUMBER

N006147

IN ACCOUNT WITH

Columbus, Ohio 43260

Federal ID# 31-4379427

Dept L 997

HUDSON RIVER FOUNDATION ATTENTION: JAMES LODGE 17 BATTERY PLACE, SUITE 915 **NEW YORK, NEW YORK 10004**

Billing Manager (614) 424-4151 Fax Number (614) 424-4503

PLEASE REFERENCE OUR INVOICE NUMBER ON YOUR REMITTANCE. THANK YOU.

DEPOSIT

TOTAL AMOUNT DUE:

\$24,170.00

PAYMENT MAY BE MADE TO OUR ACCOUNT THROUGH THE HUNTINGTON NATIONAL BANK ABA NO. 044000024-BCL ACCOUNT NUMBER 0189-1600016 COLUMBUS, OH, USA (PLEASE INCLUDE THE INVOICE NO. AND THE PROJECT/PROPOSAL NO.)

Battelle Proposal OP35667 Contamination Assessment and Reduction Project Data Management Services to Complete NJ DEP Data Loading And Produce CARP Export CDs

The goal of this contract amendment is to load the remaining Sample Delivery Group (SDG) submittals expected from NJDEP labs and to calculate mass/volume concentrations for the raw data from the labs. The amount of outstanding SDGs is estimated based on recent conversations with Joel Pecchioli.

Task 1 Upload Data from NJDEP

Under the period of performance of this proposal, Battelle anticipates receiving 87 Laboratory Sample Delivery Groups (SDGs) for the remaining NJDEP labs in addition to SDGs for Joel Pecchioli's calculated data.

- Task 1A: Compliant SDGs: All SDGs are processed one time with the assumption that
 they are compliant with the SOP and free of errors. If errors occur, the SDGs are handled
 in Task 1B below. This proposal anticipates processing 87 laboratory SDGs. Battelle has
 already received 28 of these SDGs. Joel Pecchioli forecasted that another 59 SDGs will
 be submitted after he finishes reformatting.
- Task 1B: Non-compliant SDGs: A noncompliant SDG is one that either does not conform to the SOP format, coding convention, or contains errors. These SDGs require Battelle staff to examine each sample, document errors, define corrective measures and seek responses from the originator. Then the SDG needs to be reprocessed, loaded and QA audited. A total of 34 non-compliant SDGs will be loaded. Battelle has 7 non-compliant SDGs in-house already. Given the past performance, Battelle anticipates processing an additional 27 non-compliant SDGs, based on the 30% (of 80 remaining SDGs) error rate seen thus far.
- Task 1C: Meta data SDGs: Battelle anticipates receiving one additional SDG containing the meta data (field data) for the CSO study. Battelle does not expect to reprocess any of the past meta data files. Battelle anticipates receiving the CSO study meta data (sample collection) as one electronic file in Battelle's sample collection EDD format.
- Task 1F: Calculate Concentrations from Raw Results: Battelle will convert the mass results into concentrations by dividing the mass by the sample volume. Battelle does not expect to calculate fraction partitions such as dissolved, particulate or total concentrations. Battelle will document the calculation process for each data type and will await confirmation from NJDEP prior to executing the calculations. The following instructions are known thus far: (a) Dissolved Pesticides and PCBs (SIT & USGS Samples) data are reported by the analytical lab in units of pg/sample, so we will divide by sample volume passed through the TOPS XAD columns to calculate pg/L; (b) Suspended Sediment Pests, PCBs, PAHs, and Dioxins/Furans (SIT & USGS Samples) data are reported by the analytical lab in units of pg/sample so we will divide by sample volume passed through TOPS filters to calculate pg/L; (c) Oct 2000 POTW Pesticides, PCBs, PAHs, and Dioxin/Furans (GLEC) are reported as separate dissolved and

suspended sediment fractions for each sample analyzed and reported in units of pg/sample, so we will divide the separate fraction results by the sample volume to calculate pg/L. If no errors or orphan records are encountered, then we will add the dissolved (pg/L) and suspended sediment (pg/L) fraction results for each sample to obtain a "total" concentration in pg/L. Any errors will result in leaving data as dissolved and particulate.

Task 2 Database Views

Battelle anticipates using the views built during the early project in order to organize the data into separate groupings USGS, CSO, SIT, and POTW. These views will be revised for use on the export CDs by including display of the concentration records along with the raw data.

Task 3 CARP Database Assessment

Battelle will assist NJDEP and NYSDEC in assuring the quality of the final CARP database by distributing data summaries for the Principal Investigators. Battelle anticipates creating database queries and report scripts that will produce outputs for an MS Word document or series of spreadsheets. Simple plots will portray outliers and data groups. Battelle expects to spend 7 days preparing these summaries and 3 days editing the database based on feedback from the PIs.

Task 4. Database Maintenance and CARP Server Maintenance

Database maintenance will be performed throughout the period of performance and will include code list table and CAS list table maintenance, QC check script modifications, data standardization, data assessment, view maintenance, and data completeness checks.

The CARP system is comprised of the database server and web application server. All of the CARP data will be stored on the database server. The servers will be operational 24/7/365 except for late night export/transfer routines that execute between approximately 2am and 5am. Battelle will follow the existing backup and recovery plan for the servers. For server related issues, Battelle will provide telephone help desk assistance during normal business hours. Follow-up calls are expected within 1 business day.

Task 5 CARP CD

A series of three CDs will be produced which contain the CARP database contents. The first CD will contain CARP results available via the CARP CD query interface built during 2005. The second CD will contain the main database views for each CARP study expressed as MS-Access tables. The third CD will contain an export in Oracle native format available for importing into other relational database management systems. A set of data will be distributed by CDs during the database review. A final series of public CDs will be created for reproduction and distribution.

Task 6 Project Management

Battelle proposed Mr. Tom Gulbransen to manage this project. The period of performance for this project is proposed as 4 months.

• Project management activities will include periodic teleconferences to note technical accomplishments, issues and costs with Client.

DELIVERABLES/MILESTONES

 Table 1. Project Deliverable/Milestone Schedule

Task	Title	Deliverable	Due Date	
1A	SDGs - Upload Compliant	Process 87 SDGs	Process a minimum of 20 SDGs per month or within 2 weeks of receipt	
1B .	SDGs - Upload Non Compliant	Process 34 SDGs	Process a minimum of 10 SDGs per month or within 2 weeks of receipt	
1C	SDGs – Load Field Meta Data	Process 1 SDG	Within 10 business days of receipt	
1F	Calculate Concentrations	New DB records	Within 2 months of receiving last SDG.	
2	Database Views	4 views	Within 1 month after all concentrations calculated	
3	Database Quality Assessment	Assessment Document	Within 1 month after all concentrations are calculated	
•		Perform Updates	Within 2 weeks of PI feedback	
4	Database and Server Maintenance	Maintenance	Monthly	
5	Database Export CDs	Deliver CDs	Within 1 week from when Database Assessment is Completed	
6	Project Management	Work Plan	Within 3 weeks from NTP	
		Management Activities	Monthly, with Weekly status emails.	

Table 2. Cost Estimate.

Task	Title	Unit	Unit	Total Costs
	<u> </u>	Cost		
1A	SDGs - Upload Compliant	\$221.72	87 SDGs	\$19,290
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1C	SDGs – Load Field Meta Data	\$2,103	1 unit	\$2,103
1F	Calculate Concentrations	\$17,866	all SDGs	\$17,866
2	Water View Changes	\$868	1 unit	\$868
3A	Database Assessment	\$1,157.14	7 days	\$8,100
3B	Database Edits	\$919.67	3 days	\$2,759
4	Server Maintenance	\$1,049.25	4 months	\$4,197
5	Database Export CDs	\$1,893.50	2 units	\$3,787
6	Project Management	\$1,354.75	4 months	\$5,419
	Total Costs assuming units spent			\$80,561

Attachment 1

Battelle

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By:		
•	Signature	
Printed Name:		
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The Business of Innovation

Invoice

10/14/2005

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OP35667

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	Total Costs assuming units spent			\$80,561