County of Santa Cruz

DEPARTMENT OF PUBLIC WORKS

701 OCEAN STREET, ROOM 410, SANTA CRUZ, CA 95060
(831) 454-2160 FAX (831) 454-2385 TDD (831) 454-2123

JOHN J. PRESLEIGH
DIRECTOR OF PUBLIC WORKS

AGENDA: OCTOBER 26, 2010

October 14, 2010

SANTA CRUZ COUNTY BOARD OF SUPERVISORS
701 Ocean Street
Santa Cruz, California 95060

SUBJECT: LONG RANGE RESOURCE RECOVERY AND WASTE MANAGEMENT PLANNING, AMENDMENT TO AGREEMENT

Members of the Board:

On August 16, 2005, your Board approved an independent contractor agreement with HDR Engineering, Inc. (HDR), for long range resource recovery and waste management planning services. HDR provides specialized expertise in waste management engineering and design that is not available in house. The agreement provided for long range planning work, which has culminated in a comprehensive planning report recommending a Zero Waste EcoPark (EcoPark) project at the Buena Vista Landfill. On June 24, 2008, your Board approved an amendment to agreement amending the Scope of Work, increasing the compensation by $90,000, and extending the term of the agreement to June 30, 2010. On March 2, 2010, your Board accepted a report outlining the intention of Public Works to develop an alternative plan for the EcoPark that would be smaller and less costly.

Attached for your Board's consideration is an amendment to agreement with HDR increasing the compensation by $50,000 for a total not-to-exceed amount of $385,652 to provide alternative plans and designs for a reduced sized EcoPark to further develop the design details for the California Environmental Quality Act (CEQA) Initial Study, and to provide technical assistance as needed during the CEQA review process. HDR's initial task is to submit a preliminary design for evaluation by the County, as well as develop a cost-effective project based on economic considerations. Sufficient funding is available in the 2010/2011 CSA No. 9C, Recycling and Solid Waste Services Budget.

It is therefore recommended that the Board of Supervisors take the following action:

1. Approve the attached amendment to agreement with HDR Engineering, Inc., for long range resource recovery and waste management planning services by amending the Scope of Work and revising the hourly rate, increasing the compensation by $50,000 for a not-to-exceed amount of $385,652, and extending the term of the contract to June 30, 2011.

2. Authorize the Director of Public Works to sign the amendment to agreement on behalf of the County.

Yours truly,

JOHN J. PRESLEIGH
Director of Public Works

JJP:TAG:lh

Attachments

RECOMMENDED FOR APPROVAL:

County Administrative Officer

Copy to: HDR Engineering, Inc.
General Services
Public Works

COUNTY OF SANTA CRUZ
REQUEST FOR APPROVAL OF AGREEMENT

TO: Board of Supervisors
County Administrative Office
Auditor Controller

FROM: PUBLIC WORKS (Department)

BY: [signature] (Signature) 8/13/10 (Date)
Signature certifies that appropriations/revenues are available

AGREEMENT TYPE (Check One) Expenditure Agreement ☒ Revenue Agreement ☐

The Board of Supervisors is hereby requested to approve the attached agreement and authorize the execution of same.

1. Said agreement is between the PUBLIC WORKS (Department/Agency)
   and HDR ENGINEERING, INC.
   P.O. Box 3480, Omaha, NE 68103-0480 (Name/Address)

2. The agreement will provide CONSULTING SERVICES FOR LONG RANGE SOLID WASTE MANAGMENT SERVICES

3. Period of the agreement is from JULY 1, 2010 to JUNE 30, 2011

4. Anticipated Cost is $INCREASE $50,000.00 ☐ Fixed ☐ Monthly Rate ☐ Annual Rate XX ☒ Not to Exceed

   Remarks: CONTRACT: $385,652.00; OVERHEAD: $32,780.42; TOTAL: $418,432.42

5. Detail: ☒ On Continuing Agreements List for FY 10 - 11 . Page CC-14 Contract No: CW03390 OR ☐ 1st Time Agreement
   - ☐ Section II — No Board letter required, will be listed under Item 8
   - ☒ Section III — Board letter required
   - ☐ Section IV — Revenue Agreement

6. Appropriations/Revenues are available and are budgeted in 625110! 51323! 3345! (Index) 3590 (Sub object)

NOTE: IF APPROPRIATIONS ARE INSUFFICIENT, ATTACHED COMPLETED AUD-74 OR AUD-60

Appropriations (are) available and (have been) encumbered.
~~are not~~ ~~will be~~

Contract No: CW03390

By: [signature] Date: 8/9/2010
Auditor-Controller Deputy

~~DIRECTOR OF PUBLIC WORKS~~

Proposal and accounting detail reviewed and approved. It is recommended that the Board of Supervisors approve the agreement and authorize DIRECTOR OF PUBLIC WORKS (Dept/Agency Head) to execute on behalf of the DEPARTMENT OF PUBLIC WORKS (Department/Agency)

Date: 10/12/10
TAG:1h

By: [signature]
County Administrative Office

Distribution:
- Board of Supervisors - White
- Auditor Controller – Canary
- Auditor-Controller – Pink
- Department – Gold

State of California
County of Santa Cruz
I _____ ex-officio Clerk of the Board of Supervisors of the County of Santa Cruz, State of California, do hereby certify that the foregoing request for approval of agreement was approved by said Board of Supervisors as recommended by the County Administrative Office by an order duly entered in the minutes of said Board on _____ 20__

ADM – 29 (8/01)
Title I, Section 300 Proc Man

By: Deputy Clerk

AUDITOR-CONTROLLER USE ONLY

CO_____ $_____ _____ _____ _____ _____
Document No. JE Amount Lines H/TL Keyed By Date

TC110_____ $_____ _____/_____ _____
Auditor Description Amount Index Sub object User Code

AMENDMENT TO AGREEMENT

The parties hereto agree to amend Contract Number CW53390, dated August 16, 2005, by and between the COUNTY OF SANTA CRUZ, and HDR ENGINEERING, INC., for long range resource recovery and waste management planning services by amending the Scope of Work and revising the hourly rates per the attached Exhibit "A," increasing the compensation by $50,000 for a total not-to-exceed amount of $385,652, and extending the term of the contract to June 30, 2011.

All other provisions of said contract shall remain the same.

DATED:_____

COUNTY OF SANTA CRUZ
DEPARTMENT OF PUBLIC WORKS

_____
DIRECTOR OF PUBLIC WORKS

Approved as to form:

9-17-10
Office of County Counsel

CONTRACTOR:

HDR ENGINEERING, INC.

BY: Timothy J. Raibley

ADDRESS: 2365 Iron Point Road
Suite 300
Folsom, CA 95630

TELEPHONE: (916) 817-4700

FAX: (916) 817-4747

E-MAIL: tim.raibley@hdrinc.com

JJP:TAG:lh

DISTRIBUTION: Auditor-Controller, Public Works, Contractor

hdramendlh.wpd

44

County of Santa Cruz, EcoPark Planning Assistance

Scope of Work

HDR understands the County of Santa Cruz is nearing the implementation phase of developing a long-range resource recovery and waste management facility. Although the Buena Vista Landfill capacity has been extended through careful management, its remaining capacity continues to be diminished. Over the past three years, the County, working in conjunction with in-county jurisdictions, has resolved the need for an additional solid waste infrastructure. In preparation for the ultimate closure of the Buena Vista Landfill, the County has refined the parameters of each solid waste function that, when combined, comprise the proposed EcoPark facility and will be constructed at the existing Buena Vista Landfill.

Recent Planning and Public Works Department reviews of the Conceptual Design and corresponding Project Description indicate the prior design parameters have changed and the facility needs to be reduced in size and cost. We understand changes to the design include but not limited to the following:

- Lower the building pad elevation of the transfer station to reduce the visual impact of the building.
- Reduce the height of the transfer station to as close to the maximum allowable height (which is 35 feet)
- Reduce the size of the transfer station by removing the Materials Recovery Facility and the transfer of curbside collected Recyclables
- Reduce or remove ancillary functions such as the Second Hand Exchange facility, bulky goods transfer facility, etc. to accommodate the smaller pad size.
- Revise site circulation features to minimize site paving and reduce stormwater runoff

Therefore, we anticipate additional revisions to the design will be needed. We expect that some combination of the following efforts are likely to be needed as the project progresses through the County Land Use planning effort and associated Environmental Impact Report (EIR) phase:

1. **Revised Concept Design**: In order to reduce the scale of the facility, we anticipate re-evaluating the size of the facility and rearranging the site-grading concept. We understand the County may wish to reconsider which functions of the facility should remain at this site as opposed to being provided by others off-site. We are aware of on-going discussions with other public agencies and will identify key functions that are best suited to remain at the Buena Vista site and key functions that could be performed elsewhere. We anticipate preparing a variety of concept design

configurations, each exploring a different array of key functions arranged on the site, associated traffic circulation pattern, etc. We also anticipate the need to explore the building pad elevation with respect to surface drainage, storm water retention requirements to accommodate the County's design requirements. The pad elevation will play an important role in the aesthetic aspects of the project with respect to the height of the improvements as related to Buena Vista Drive. We will meet with the County staff, present the benefits and drawbacks of each, and facilitate a discussion of the configurations to mutually select a preferred site plan. Following the selection of the County Solid Waste Department's preferred site configuration, we will refine the concept design in preparation of meeting with the County Planning and Public Works departments in Task 2 below.

2. **Initial Concurrence with Planning and Public Works Departments**: After selecting the County Solid Waste Department's preferred revised site configuration, we anticipate meeting with the County Planning and Public Works departments to seek initial concurrence from these agencies. To assure the Solid Waste Department the preferred site configuration will be acceptable to the Planning and Public Works Department, we recommend this pre-CUP/CEQA phase to garner initial concurrence and conceptual approval of the re-configured site design. Using the conceptual design elements resolved in Task I above, we will meet with the County Planning and Pubic Works departments to present the revised Concept design elements (again, site configuration, pad elevation, and building visibility from Buena Vista Drive). At the meeting, we anticipate resolving key issues so that the Conceptual Design phase can progress. We will assist the County by meeting with the Planning and Public Works departments, presenting the fundamental design concepts and responding to questions regarding the design, functionality, and overall purpose of the proposed facility. Based on the outcome of the Planning and Public Works meeting, we anticipate preparing Conceptual Building Elevations and conceptual floor plans and well as refining the site grading plan and overall site general configuration plan (with site traffic circulation) prepared in Task 2 above

3. **Photo simulations**: The County Planning Conditional Use Permit application stipulates the proponent submit photo simulations of the proposed development. HDR has initiated a conversation with County Planning, which identified three possible locations where the photo simulations should be developed. Because these three locations are relatively close to the proposed building, HDR anticipates the need to prepare visual simulations from additional vantage points because the proposed facility will also and primarily be viewed from these other locations. Consequently, we anticipate as many as six total sites likely to be necessary to provide an appropriate variety of vantage points for viewing the proposed facilities to support both the Planning Department

Conditional Use Permit application as well as for California Environmental Quality Act (CEQA) review. As an option, please note the photo simulations could be performed by the CEQA consultant if so desired.

4. **Additional Architectural/LEED Support**: In preparation for the development of the project, we recognize the conceptual design includes a variety of sustainable design elements that could contribute to the LEED scoring system. These include, but are not limited to, passive lighting, building ventilation, a green roof, or a partial green roof, storm water retention for later use as irrigation water, photovoltaic power generation, etc. HDR will support the County in the preliminary planning and pre-design phase of the LEED application effort by providing clarification of the features, estimates of costs, and lists of benefits and limitations of the features. We will work with the County in a pre-Conditional Use Permit review process to identify preferences or variations to the architectural treatment of the proposed facilities. We have included a specified budget for work to provide support to the County by responding to the County Planning department inquires and comments related to the proposed facility architectural features. If variations beyond the level of effort anticipated were required, HDR would request additional budget.

Schedule

We anticipate completing these tasks within four to six months of initiating the project. Resolving the preferred site configuration and then seeking concurrence from the Planning and Public Works departments described in Task 1 and 2 are likely to require two to three months to accomplish. At the conclusion of Task 2, the development of building elevations is necessary for the preparation of the photo simulations in Task 3. This phase is likely to require approximately one to two months. The Architectural/LEED activities described in Task 4 can occur concurrently with Tasks 2 and 3. The following table provides an approximation of when these tasks are likely to occur.

Table 1. Preliminary Schedule

		Months from Initiation of Project					
Task	**Description**	1	2	3	4	5	6
Task 1	Revised Concept Plan						
Task 2	Initial Concurrence with Planning and Public Works Departments						
Task 3	Photo simulations						
Task 4	Additional Architectural and LEED						

Budget

We approximate the following approximate fee and corresponding level of staff hours:

Table 2. Budget and Hourly Summary

Task	Description	Estimated Fee	HDR Hours
Task 1	Revised Concept Plan	$ 13,478	74
Task 2	Initial Concurrence with Planning and PW departments	$ 17,533	101
Task 3	Photo simulations	$ 13,007	30
Task 4	Additional Architectural and LEED	$ 5,973	32
	Total	**$ 49,991**	**237**

HDR ENGINEERING, INC.
RATE SCHEDULE
September 2010 to December 2011

TECHNICAL SERVICES

Principal/Vice President	$260.00 - $280.00 per hour
Sr. Vice President	$245.00 - $265.00 per hour
Senior Solid Waste Project Manager	$195.00 - $215.00 per hour
Senior Environmental Scientist	$125.00 - $145.00 per hour
Architect	$130.00 - $180.00 per hour
Solid Waste Renewable Energy Engineer	$90.00 - $110.00 per hour
CADD Technician	$95.00 - $115.00 per hour
Accounting	$105.00 - $125.00 per hour
Administrative	$70.00 - $90.00 per hour

Please Note: Fees will be escalated annually in accordance with the change in the Consumer Price Index for the San Francisco Bay Area.

EXPENSES

In-House Expenses

Technology Charge per Direct Labor Hour	$3.70
Vehicle Mileage (per mile)	Current Federal Allowable Rate
Color Copy	Cost plus 10 percent
Photocopies	Cost plus 10 percent
Plotting	Cost plus 10 percent
Consultants/Subcontractors	Cost plus 10 percent
Other Expenses	Cost plus 10 percent

Please Note: Technology charges include computer, CADD, network, software, and other related technology services.