

**SUBMITTAL TO THE BOARD OF SUPERVISORS  
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**

936



**FROM:** Waste Management Department

**SUBMITTAL DATE:**  
December 22, 2006

**SUBJECT:** Construction of 2006 Winterization Improvements at the Badlands Landfill –  
Contract Change Order No. 1

**RECOMMENDED MOTION:** That the Board of Supervisors:

1. Approve Contract Change Order No. 1 to the contract for the Construction of 2006 Winterization Improvements at the Badlands Landfill; and
2. Authorize the Chairman to execute it on behalf of the Department.

**BACKGROUND:** On November 21, 2006, the Board awarded Road Builders, Inc. the contract for Construction of 2006 Winterization Improvements at the Badlands Landfill. The Department is requiring the Contractor to perform additional work to further improve drainage and better control erosion at the facility. (Cont'd)

Hans W. Kernkamp, General Manager-Chief Engineer

<b>FINANCIAL DATA</b>	Current F.Y. Total Cost:	\$ 187,080.00	In Current Year Budget:	YES
	Current F.Y. Net County Cost:	\$ 0	Budget Adjustment:	NO
	Annual Net County Cost:	\$ 0	For Fiscal Year:	2006/07

<b>SOURCE OF FUNDS:</b> Waste Management Enterprise Fund	<b>Positions To Be Deleted Per A-30</b>	<input type="checkbox"/>
	<b>Requires 4/5 Vote</b>	<input checked="" type="checkbox"/>

**C.E.O. RECOMMENDATION:**

**APPROVE**

**County Executive Office Signature**

Policy  
 Policy  
 Consent  
 Consent  
 Dept't Recomm.:  
 Per Exec. Ofc.:

**Prev. Agn. Ref.:** 10/24/06 (12.1),  
11/21/06 (12.1)

**District:** 5

**Agenda Number:**

5001 744 -3 6415: 03

The additional work includes: adjusting the quantity of Asphalt Drainage Structures from 765 tons to 1,375 tons (Bid Item No. 2), placing an additional 120 c.y. of Shotcrete Drainage Structures (Bid Item No. 3), and preparing subgrade for Cobble-Mat Drainage Structures placement.

The Project Drawings referenced by the Contract require the Contractor to place asphalt in two discrete areas. The Quantity listed in Bid Item No. 2 in the Contract Documents and in Exhibit A to the Contract Agreement incorrectly states the required quantity as 765 tons as it only includes one of the areas. In order to complete the asphalt work shown in the Project Drawings, the correct quantity for asphalt placement is 1,375 tons. Compensation for adjusted quantity for Asphalt work will be based on the original unit cost for this work, as stated in the Contract. Using the Contract unit cost of \$186/ton for asphalt, the Contract amount is increased by \$113,460. This quantity, and corresponding allowed cost, needs to be corrected to completely construct the drainage system.

After start of the project, Department engineering staff assessed field conditions through regular contract management and inspection and determined that an additional 120 c.y. of shotcrete material became necessary to fully construct the Shotcrete Drainage Structures (Bid Item No. 3) due to uneven subgrade surfaces. The areas for Shotcrete Drainage Structures as shown on the Project Drawings remain unchanged. Compensation for increased quantities for Shotcrete work will be based on the original unit cost for this work, as stated in the Contract. Using the Contract unit cost of \$501/c.y. for Shotcrete, the Contract amount is increased by \$60,120.

An additional work item of preparing subgrade for the installation of Cobble-mat Drainage Structures has been negotiated with the Contractor. Originally, the Department's equipment operator workforce was scheduled to perform this work. Based on internal labor shortages and the need to complete the Cobblestone installation as soon as possible to fully prepare the site for the rainy season, the Department is recommending that the Contractor complete this subgrade preparation work. Compensation for this work will be based on a unit cost of \$9.00/c.y. for approximately 850 c.y. of material excavation resulting in a total cost of \$13,500 for this work, which was submitted by the Contractor (quote attached with Change Order No. 1) and agreed upon by the Department. The lump sum price includes full compensation to the Contractor for all labor, materials, equipment and any other costs related to this extra work. Department staff believes that these arrangements are cost effective since the Contractor is already on-site performing essentially similar types of work (i.e. drainage installation).

The total change order is in the amount of \$187,080 (\$113,460 for Asphalt Drainage Structures, \$60,120 for Shotcrete Drainage Structures, and \$13,500 for Cobble-mat Drainage Structures excavation work).

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Five additional working days will be added to the Contract to complete additional work items. All other terms and conditions of the original Contract Documents remain unchanged and apply to this work. The Department recommends approval of Contract Change Order No. 1.

Budget for this additional work will be provided from Fund 40200, Department ID – 4500100000

AE:ae  
PD#50129

Attachment: Contract Change Order No. 1