

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

121



FROM: Waste Management Department

SUBMITTAL DATE:
July 9, 2009

SUBJECT: Construction of Multi-level Landfill Gas Detection Probes at the Badlands and Lamb Canyon Landfills

RECOMMENDED MOTION: That the Board:

- 1) Approve the Contract Documents for the Construction of Multi-level Landfill Gas Detection Probes at the Badlands and Lamb Canyon Landfills.
- 2) Authorize the Waste Management Department to advertise for bids.

BACKGROUND: Recent changes to the California Code of Regulations (CCR) Title 27, Section 20925 require additional multi-level landfill gas detection probes to be installed at active landfills. Probes are required to monitor the change in migrating landfill gas. There are probes currently in place at the landfills; however, additional probes are needed to comply with the change in regulations.

The Engineer's estimate for this project is \$287,602.

Hans Kernkamp, General Manager-Chief Engineer

| | | | | |
|-----------------------|-------------------------------|------------|-------------------------|-----------|
| FINANCIAL DATA | Current F.Y. Total Cost: | \$ 287,602 | In Current Year Budget: | Yes |
| | Current F.Y. Net County Cost: | \$ 0 | Budget Adjustment: | No |
| | Annual Net County Cost: | \$ NA | For Fiscal Year: | FY2009/10 |

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

C.E.O. RECOMMENDATION: APPROVE

BY:
Michael R. Shetler

County Executive Office Signature

FORM APPROVED BY COUNTY COUNSEL
BY: NEAL R. KIPNIS DATE: _____
Departmental Concurrence

Consent Policy
 Consent Policy

Dept's Recomm.: _____
 Per Exec. Ofc.: _____

Construction of Multi-level Probes at the Badlands and Lamb Canyon Landfill

Engineer's Estimate

| item | item of work | unit | quantity | unit cost | total cost |
|------|--|------|----------|--------------|----------------------|
| 1 | mobilization | LS | 2 | \$ 10,000.00 | \$ 20,000.00 |
| 2 | demobilization | LS | 2 | \$ 4,000.00 | \$ 8,000.00 |
| 3 | drill probe boreholes using rotary drill rig at Badlands Landfill | LF | 1,763 | \$ 69.00 | \$ 121,647.00 |
| 4 | drill probe boreholes using rotary drill rig at Lamb Canyon Landfill | LF | 951 | \$ 69.00 | \$ 65,619.00 |
| 5 | multi-level probe construction | LF | 2,714 | \$ 24.00 | \$ 65,136.00 |
| 6 | install steel probe protector with lockable lid | EA | 16 | \$ 450.00 | \$ 7,200.00 |
| | | | | | \$ 287,602.00 |

Estimate based on \$100/ft Edom Hill landfill probes that were installed July 2006 and were 8" diameter dual wall air percussion, times 1.06% inflation since 2006

Todd Shibata got a verbal quote from latest well driller of \$100/ft