

W. G. E. 4.

AGENDA COVER MEMO

Memorandum Date: May 12, 2009
Order Date: June 3, 2009

TO: Board of County Commissioners
DEPARTMENT: Public Works / Waste Management Division
PRESENTED BY: Daniel Hurley

AGENDA ITEM TITLE: ORDER/IN THE MATTER OF AWARDING CONTRACT WM 08/09-07 TO TRI-STATE CONSTRUCTION, INC., IN THE AMOUNT OF \$1,984,077 FOR CONSTRUCTION OF THE PHASE III FINAL CLOSURE AT THE SHORT MOUNTAIN LANDFILL, AND AUTHORIZING THE ADMINISTRATOR TO EXECUTE THE CONTRACT

I. MOTION

MOVE APPROVAL OF ORDER AWARDING CONTRACT WM 08/09-07 TO TRI-STATE CONSTRUCTION, INC., IN THE AMOUNT OF \$1,984,077 FOR CONSTRUCTION OF THE PHASE III FINAL CLOSURE, AND AUTHORIZING THE ADMINISTRATOR TO EXECUTE THE CONTRACT.

II. AGENDA ITEM SUMMARY

The Board is being asked to approve a contract for construction of the Phase III Final Closure at the Short Mountain Landfill. This project involves earthwork, geosynthetics installation, and roadwork associated with construction of a final closure "cap" on 16.7 acres of the landfill.

Tri-State Construction, Inc. was the low bidder for this construction contract with a bid of \$1,984,077.

III. BACKGROUND/IMPLICATIONS OF ACTION

The Short Mountain Landfill began operations in December 1976. Phase III of the landfill was constructed in 1995 and was filled to capacity in 2004. It is necessary to construct a final closure on this portion of the landfill in order to reduce leachate generation, increase collection efficiency of landfill gas, and to meet regulations by the

Department of Environmental Quality and the Environmental Protection Agency.

A. Policy Issues

The Solid Waste Management Plan, adopted by Ordinance No.10-02 by the Board of County Commissioners in August 2002, contains the following goals for Lane County waste operations relating to the proposed construction projects:

- Continuing disposal at the Short Mountain Landfill and not pursuing alternative options for disposal (incineration or waste transfer to out-of-County landfills)
- Minimizing aesthetic and environmental impacts
- Providing for continual maintenance and upgrading of facilities and equipment.

B. Financial and/or Resource Considerations

The funding source for this contract is the Waste Management Division Enterprise Fund. The Enterprise Fund is developed through the collection of tipping fees. In addition to funds for ongoing operations, funds are dedicated within the Enterprise Fund for development of the landfill and for closure and post-closure care.

C. Analysis

Lane County Waste Management advertised the bid request on April 17, 2009. A mandatory pre-bid meeting was held on May 6, 2009.

The following bids were received and opened on May 12, 2009, at 10:00 a.m.:

Contractor	Bid Amount
Tri-State	\$1,984,077.00
Johnson Rock Product Inc.	\$2,038,159.70
R & G Excavating	\$2,084,150.00
Emery Sons Construction	\$2,115,360.00
Coffman Excavation	\$2,148,559.00
Nutter Corporation	\$2,173,777.00
Goodfellow Brothers	\$2,195,030.00
K & E Excavation	\$2,244,480.00
Kerr Contractors	\$2,265,289.00
Anderson Environmental Contracting	\$2,344,209.31
Willamette Clearing	\$2,368,430.00
Babb Construciton	\$2,510,575.00

The low bidder was Tri-State Construction, Inc. with a total bid price of \$1,984,077.

Staff recommends awarding the contract to Tri-State Construction, Inc.

D. Alternatives/Options

The Board may award the contract to Tri-State Construction, Inc. or reject all of the bids. If all bids are rejected and no contract awarded, Lane County will be forced to delay closure of the Phase III cell until another bid solicitation for the work is completed.

IV. TIMING/IMPLEMENTATION

If the contract is awarded, staff will hold a pre-construction meeting with the selected contractor (anticipated for June 4, 2009). Following this meeting, the contractor will begin work on the project (anticipated for June 8, 2009). Work is expected to be complete on these projects by November 1, 2009.

V. RECOMMENDATION

It is recommended that the Board award contract WM 08/09-07 to Tri-State Construction, Inc., for construction of the Phase III Final Closure, and authorize the County Administrator to execute the contract in the amount of \$1,984,077.

VI. FOLLOW-UP

Upon award of the contract, staff will prepare the contract documents and deliver them to the contractor for execution.

VII. ATTACHMENTS

Proposed Board Order
Request for Bids
Bid Recap

IN THE BOARD OF COUNTY COMMISSIONERS OF LANE COUNTY, OREGON

ORDER NO. _____

)IN THE MATTER OF AWARDING
)CONTRACT WM 08/09-07 TO TRI-STATE
)CONSTRUCTION, INC., IN THE AMOUNT OF
)\$1,984,077 FOR CONSTRUCTION OF THE
)PHASE III FINAL CLOSURE, AND
)AUTHORIZING THE ADMINISTRATOR
)TO EXECUTE THE CONTRACT.

WHEREAS, Lane County provides solid waste disposal for the citizen's of Lane County at the Short Mountain Landfill, and

WHEREAS, Phase III of the landfill was constructed in 1995 and filled to capacity in 2004, and

WHEREAS, completion of a final closure area is required to improve environmental impacts of the landfill and meet regulatory requirements, and

WHEREAS, bids for the Short Mountain Landfill Phase III Final Closure construction project were solicited and received, NOW THEREFORE, IT IS HEREBY

ORDERED, that contract WM 08/09-07 for construction of the Phase III Final Closure in the amount of \$1,984,077, be awarded to Tri-State Construction, Inc., with an effective date of June 3, 2009, and it is further

ORDERED, that the County Administrator be authorized to execute the contract.

Dated this 3rd day of June 2009.

Peter Sorenson, Chair
Lane County Board of Commissioners

IN THE MATTER OF AWARDING CONTRACT WM 08/09-07 TO TRI-STATE CONSTRUCTION, INC., IN THE AMOUNT OF \$1,984,077 FOR CONSTRUCTION OF THE PHASE III FINAL CLOSURE, AND AUTHORIZING THE ADMINISTRATOR TO EXECUTE THE CONTRACT.

INVITATION FOR BIDS

Sealed bids will be received by Daniel Hurley, Senior Engineering Associate at the Office of Lane County Department of Public Works, Waste Management Division, 3100 E. 17th Ave., Eugene, Oregon 97403 until **10:00 a.m., Tuesday, May 12, 2009**, at which time and place they will be publicly opened and read aloud for the following project:

Contract No. WM08/09-07

PHASE III FINAL CLOSURE SHORT MOUNTAIN LANDFILL

For supply and installation of approximately 723,000 square feet of geocomposite drainage layer over prepared subgrade; excavation, loading, hauling, placement, and compaction of 64,000 cy of earthfill for soil barrier layer; supply and installation of 750,000 square feet of geomembrane and geocomposite drainage layer; supply and installation of 130,000 square feet of geotextile separator; supply and installation of 81,000 square feet of road geotextile; supply and installation of 5,700 tons of road base rock; supply and installation of 4,500 tons of rock protection for drainage channels; supply and installation of drainage gravel and piping to construct approximately 3,000 lineal feet of perimeter toe drain; supply and installation of 5 inlet structures; supply and installation of approximately 330 lineal feet of downdrain piping and 160 lineal feet of culvert piping complete with soil cover; excavation, loading, hauling and placement of 37,000 cy of soil for vegetative cover soil, and other incidental and itemized work as described in the plans and specifications. Estimated cost range is \$2,000,000 to \$2,500,000.

Plans and specifications may be reviewed or picked up at the Lane County Central Receiving Station on or after **Tuesday, April 21, 2009**. Requests for plans and specifications can be made by email to daniel.hurley@co.lane.or.us or by calling (541) 682-3811. There will be a non-refundable \$35.00 charge for each set of plans and specifications. Only bidding documents obtained directly from Lane County Waste Management Division may be used to submit bids.

A **mandatory** pre-bid meeting will be held at the Short Mountain Landfill, located at 84777 Dillard Access Road, Eugene, Oregon, 97405 on Wednesday, May 6, 2009 at 10:00 a.m. All prospective bidders must have a representative at this meeting to be considered for this project. Please RSVP attendance to Daniel Hurley (541) 682-3811.

A portion of the bidding information is available through Lane County's Website at www.co.lane.or.us/pw_plan and select "**2009 Projects**". Information includes only: Invitation For Bids, Plan Holders List, Plans and Special Provisions, Addendums, and Bid Results. Schedule of contract lettings can be found under the "Contract Letting" heading.

Prevailing wage rates for public works contracts in Oregon are required for this project.

All bidders must be "Equal Opportunity Employers" and comply with the appropriate provisions of state and federal law. All bidders shall be required to comply with ORS 656.017 regarding worker's compensation, unless they meet the requirements for an exemption under ORS 656.126.

Pursuant to ORS 279C.505(2), Lane County's performance under this contract is conditioned upon the Contractor's compliance and warranty that a Drug Testing Program shall be maintained for its employees.

Disclosure of subcontractors is required within two (2) hours of the time stated for receipt of bids.

Lane County may reject any bid not in compliance with all prescribed public bidding procedures and requirements and may, for good cause, reject any and all bids upon a finding of the County that it is in the public interest to do so.

All envelopes must be sealed and plainly marked on the outside showing the name of the bidder, name of the project, contract number and the word "BID".

Each bid must be submitted on the required form and be accompanied by a cashier's check, certified check, irrevocable letter of credit per ORS 706.008, or surety bond payable to "Lane County", Oregon in an amount of not less than ten percent (10%) of the amount of the bid.

Lane County Department of Public Works, Waste Management Division
3100 E. 17th Ave., Eugene, Oregon 97403

Bid Recap

Lane County Department of Public Works
Waste Management Division

Description: Phase III Final Closure
County Site: Short Mountain Landfill

Contract: WM 08/09-07

Time of Opening: 10:00 AM
Date of Opening: Tuesday, May 12, 2009

Item No.	Item	Unit	Qty	#1 Tri-State Construction, Inc. 5730 NE 138th Avenue Portland, OR 97230 CCB # 62974		#2 Johnson Rock Product Inc. PO Box 120 Coos Bay, OR 97420 CCB #34185		#3 R & G Excavating, Inc. 39300 Montgomery Dr. Seo, OR 97374 CCB #65135		#4 Emery & Sons Construction 9694 Golf Club Road Slayton, OR 97383 CCB #312	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1	Mobilization	Lump Sum	1	\$126,705.00	\$126,705.00	\$102,700.00	\$102,700.00	\$89,500.00	\$89,500.00	\$110,000.00	\$110,000.00
2	Temporary Erosion & Sediment Control	Lump Sum	1	\$10,685.00	\$10,685.00	\$16,670.00	\$16,670.00	\$12,000.00	\$12,000.00	\$30,100.00	\$30,100.00
3	Surface Preparation	Acre	17	\$310.00	\$5,270.00	\$401.00	\$6,817.00	\$1,400.00	\$23,800.00	\$1,300.00	\$22,100.00
4	Waste Excavation to Phase V Cell	Cubic Yard	2,500	\$10.00	\$25,000.00	\$5.44	\$13,600.00	\$7.00	\$17,500.00	\$10.00	\$25,000.00
5	Strip Surface Material between P/III & P/II	Square Foot	9,600	\$1.00	\$9,600.00	\$0.19	\$1,824.00	\$0.25	\$2,400.00	\$0.25	\$2,400.00
6A	Supply & Install GDL (Type 1 Geomembrane Option), OR	Square Foot	1,439,000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6B	Supply & Install GDL (Type 2 Geomembrane Option)	Square Foot	711,000	\$0.51	\$362,610.00	\$0.51	\$362,610.00	\$0.50	\$355,500.00	\$0.55	\$391,050.00
7	18" Soil Barrier Layer & Bench Subgrade	Cubic Yard	68,000	\$4.24	\$288,320.00	\$4.26	\$289,680.00	\$6.60	\$448,800.00	\$5.00	\$340,000.00
8A	Supply & Install Type 1 Geomembrane, OR	Square Foot	728,000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8B	Supply & Install Type 2 Geomembrane	Square Foot	728,000	\$0.73	\$531,440.00	\$0.73	\$531,440.00	\$0.70	\$509,600.00	\$0.75	\$546,000.00
9A	Supply & Install Geotextile Separator (Type 1 Geomembrane Option), OR	Square Foot	65,000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9B	Supply & Install Geotextile Separator (Type 2 Geomembrane Option)	Square Foot	728,000	\$0.15	\$109,200.00	\$0.15	\$109,200.00	\$0.14	\$101,920.00	\$0.16	\$116,480.00
10	Supply & Install Road Geotextile	Square Foot	90,000	\$0.14	\$12,600.00	\$0.21	\$18,900.00	\$0.15	\$13,500.00	\$0.12	\$10,800.00
11	18" Vegetative Cover Soil	Cubic Yard	32,000	\$3.60	\$115,200.00	\$5.86	\$187,520.00	\$5.86	\$187,520.00	\$5.00	\$160,000.00
12	Expose, Clean & Weld to existing Phase I/II Geomembrane	Lineal Foot	350	\$37.50	\$13,125.00	\$28.83	\$10,090.50	\$17.00	\$5,950.00	\$25.00	\$8,750.00
13	Expose, Clean & Weld to existing Phase III Geomembrane	Lineal Foot	3,400	\$25.75	\$87,550.00	\$18.58	\$63,172.00	\$10.00	\$34,000.00	\$18.00	\$61,200.00
14	Install Crest Anchor Trench	Lineal Foot	37	\$47.00	\$1,739.00	\$41.00	\$1,517.00	\$20.00	\$740.00	\$20.00	\$740.00
15	Road Base	Ton	2,600	\$16.40	\$42,640.00	\$26.04	\$67,704.00	\$20.00	\$52,000.00	\$16.00	\$41,600.00
16	18" Clayey Soil over Geomembrane on Benches	Cubic Yard	4,000	\$7.90	\$31,600.00	\$13.38	\$53,520.00	\$8.00	\$32,000.00	\$8.00	\$32,000.00
17	Toe Drain Pipe & Gravel	Lineal Foot	3,400	\$9.10	\$30,940.00	\$6.37	\$21,658.00	\$6.00	\$27,200.00	\$7.00	\$23,800.00
18	Install new 6" HDPE LFG Lateral Collection pipe & Risers	Lineal Foot	5,100	\$14.10	\$71,910.00	\$14.26	\$72,726.00	\$12.00	\$61,200.00	\$16.00	\$81,600.00
19	Extend existing 6" HDPE LFG Wellhead	Each	24	\$272.00	\$6,528.00	\$185.60	\$4,454.40	\$200.00	\$4,800.00	\$275.00	\$6,600.00
20	Abandon existing 6" HDPE LFG Wellhead	Each	13	\$120.00	\$1,560.00	\$177.60	\$2,308.80	\$100.00	\$1,300.00	\$200.00	\$2,600.00
21	Rock Protection along Roads, Drainage Benches & Ditches	Ton	3,000	\$16.00	\$48,000.00	\$20.08	\$60,240.00	\$24.00	\$72,000.00	\$18.00	\$54,000.00
22	36" CPE Drop Inlet Structures	Each	5	\$3,780.00	\$18,900.00	\$3,744.68	\$18,723.40	\$2,400.00	\$12,000.00	\$3,000.00	\$15,000.00
23	18" CPE Downdrain Pipe	Lineal Foot	330	\$30.00	\$9,900.00	\$23.82	\$7,860.60	\$24.00	\$7,920.00	\$38.00	\$12,540.00
24	Remove existing Culverts & Replace with new 18" CPE Pipe	Lineal Foot	200	\$38.00	\$7,600.00	\$45.36	\$9,072.00	\$22.00	\$4,400.00	\$46.00	\$9,200.00
25	Remove existing power poles	Each	2	\$180.00	\$360.00	\$326.00	\$652.00	\$300.00	\$600.00	\$400.00	\$800.00
26	LFG Infrastructure Management	Lump Sum	1	\$15,095.00	\$15,095.00	\$3,500.00	\$3,500.00	\$6,000.00	\$6,000.00	\$11,000.00	\$11,000.00

Total Amount of Bid: **\$1,984,077.00**

\$2,038,159.70

\$2,084,150.00

\$2,115,360.00

Bid Recap

Lane County Department of Public Works
Waste Management Division

Description: Phase III Final Closure
County Site: Short Mountain L&fill

Contract: WM 08/09-07

Time of Opening: 10:00 AM
Date of Opening: Tuesday, May 12, 2009

Item No.	Item	Unit	Qty	Unit Price	Amount	#5 Coffman Excavation P.O. Box 687 Oregon City, OR 97045 CCB # 146689	#6 Nutter Corporation 7211-A NE 43rd Avenue Vancouver, WA 98661 CCB # 87697	#7 Goodfellow Bros., Inc. 6135 NE 80th Ave Suite A3 Portland, OR 97218 CCB # 71265	#8 K&E Excavating 3871 Langley St. SE Salem, OR 97317 CCB # 128542
1	Mobilization	Lump Sum	1	\$112,000.00	\$112,000.00	\$214,012.00	\$214,012.00	\$180,000.00	\$220,000.00
2	Temporary Erosion & Sediment Control	Lump Sum	1	\$17,500.00	\$17,500.00	\$10,000.00	\$10,000.00	\$20,000.00	\$20,310.00
3	Surface Preparation	Acre	17	\$970.00	\$16,490.00	\$1,000.00	\$17,000.00	\$1,400.00	\$1,539.00
4	Waste Excavation to Phase V Cell	Cubic Yard	2,500	\$4.64	\$11,600.00	\$8.00	\$20,000.00	\$8.50	\$16.00
5	Strip Surface Material between P/III & P/III	Square Foot	9,600	\$0.15	\$1,440.00	\$0.10	\$960.00	\$0.15	\$0.75
6A	Supply & Install GDL (Type 1 Geomembrane Option), OR	Square Foot	1,439,000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6B	Supply & Install GDL (Type 2 Geomembrane Option)	Square Foot	711,000	\$0.52	\$369,720.00	\$0.65	\$462,150.00	\$0.50	\$0.50
7	18" Soil Barrier Layer & Bench Subgrade	Cubic Yard	68,000	\$5.05	\$343,400.00	\$3.20	\$217,600.00	\$5.75	\$5.00
8A	Supply & Install Type 1 Geomembrane, OR	Square Foot	728,000	\$0.75	\$546,000.00	\$0.85	\$618,800.00	\$0.71	\$0.74
8B	Supply & Install Type 2 Geomembrane	Square Foot	728,000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9A	Supply & Install Geotextile Separator (Type 1 Geomembrane Option), OR	Square Foot	65,000	\$0.15	\$109,200.00	\$0.20	\$145,600.00	\$0.14	\$0.15
9B	Supply & Install Geotextile Separator (Type 2 Geomembrane Option)	Square Foot	728,000	\$0.25	\$22,500.00	\$0.12	\$10,800.00	\$0.20	\$0.25
10	Supply & Install Road Geotextile	Square Foot	90,000	\$7.30	\$233,600.00	\$3.40	\$108,800.00	\$5.65	\$6.00
11	18" Vegetative Cover Soil	Cubic Yard	350	\$20.50	\$7,175.00	\$35.00	\$12,250.00	\$25.00	\$23.00
12	Expose, Clean & Weld to existing Phase I/II Geomembrane	Lineal Foot	3,400	\$13.77	\$46,818.00	\$23.00	\$78,200.00	\$15.00	\$15.00
13	Expose, Clean & Weld to existing Phase III Geomembrane	Lineal Foot	3,400	\$43.00	\$146,820.00	\$35.00	\$119,750.00	\$20.00	\$54.00
14	Install Crest Anchor Trench	Ton	2,600	\$16.45	\$42,770.00	\$20.00	\$52,000.00	\$16.00	\$17.50
15	Road Base	Cubic Yard	4,000	\$15.25	\$61,000.00	\$3.50	\$14,000.00	\$6.00	\$6.00
16	18" Clayey Soil over Geomembrane on Benches	Lineal Foot	3,400	\$7.80	\$26,520.00	\$6.00	\$20,400.00	\$6.00	\$14.50
17	Toe Drain Pipe & Gravel	Lineal Foot	5,100	\$8.00	\$40,800.00	\$12.00	\$61,200.00	\$18.00	\$18.00
18	Install new 6" HDPE LFG Lateral Collection pipe & Risers	Each	24	\$175.00	\$4,200.00	\$130.00	\$3,120.00	\$550.00	\$260.00
19	Extend existing 6" HDPE LFG Wellhead	Each	13	\$405.00	\$5,265.00	\$210.00	\$2,730.00	\$400.00	\$181.00
20	Abandon existing 6" HDPE LFG Wellhead	Each	13	\$26.00	\$338.00	\$20.00	\$260.00	\$17.00	\$20.00
21	Rock Protection along Roads, Drainage Benches & Ditches	Ton	3,000	\$2,900.00	\$8,700.00	\$2,500.00	\$7,500.00	\$2,500.00	\$2,806.00
22	36" CPE Drop Inlet Structures	Each	5	\$29.00	\$145.00	\$32.00	\$160.00	\$25.00	\$35.00
23	18" CPE Downdrain Pipe	Lineal Foot	330	\$60.00	\$19,800.00	\$46.00	\$15,180.00	\$30.00	\$43.50
24	Remove existing Culverts & Replace with new 18" CPE Pipe	Lineal Foot	200	\$450.00	\$90,000.00	\$300.00	\$60,000.00	\$500.00	\$253.00
25	Remove existing power poles	Each	2	\$14,000.00	\$28,000.00	\$10,000.00	\$20,000.00	\$15,000.00	\$21,860.00
26	LFG Infrastructure Management	Lump Sum	1	\$14,000.00	\$14,000.00	\$10,000.00	\$10,000.00	\$15,000.00	\$21,860.00

Total Amount of Bid: **\$2,148,559.00**

\$2,173,777.00

\$2,193,030.00

\$2,268,480.00

Bid Recap

Lane County Department of Public Works
Waste Management Division

Description: Phase III Final Closure
County Site: Short Mountain L&fill

Contract: WM 08/09-07

Time of Opening: 10:00 AM
Date of Opening: Tuesday, May 12, 2009

Item No.	Item Description	Unit	Qty	#9 Kerr Contractors		#10 Anderson Environmental		#11 Willamette Clearing		#12 Babb Construction	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1	Mobilization	Lump Sum	1	\$161,175.00	\$161,175.00	\$78,355.70	\$78,355.70	\$100,000.00	\$100,000.00	\$352,737.00	\$352,737.00
2	Temporary Erosion & Sediment Control	Lump Sum	1	\$15,725.00	\$15,725.00	\$31,163.54	\$31,163.54	\$70,000.00	\$70,000.00	\$25,740.00	\$25,740.00
3	Surface Preparation	Acre	17	\$615.00	\$10,455.00	\$3,613.51	\$61,429.67	\$2,650.00	\$45,050.00	\$1,284.00	\$21,828.00
4	Waste Excavation to Phase V Cell	Cubic Yard	2,500	\$8.40	\$21,000.00	\$7.16	\$17,900.00	\$6.00	\$15,000.00	\$10.14	\$25,350.00
5	Strip Surface Material between P/III & P/III	Square Foot	9,600	\$0.14	\$1,344.00	\$2.75	\$26,400.00	\$0.50	\$4,800.00	\$0.15	\$1,440.00
6A	Supply & Install GDL (Type 1 Geomembrane Option), OR	Square Foot	1,439,000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6B	Supply & Install GDL (Type 2 Geomembrane Option)	Square Foot	711,000	\$0.49	\$348,390.00	\$0.60	\$426,600.00	\$0.49	\$348,390.00	\$0.49	\$348,390.00
7	18" Soil Barrier Layer & Bench Subgrade	Cubic Yard	68,000	\$7.00	\$476,000.00	\$5.42	\$368,560.00	\$8.00	\$544,000.00	\$5.55	\$377,400.00
8A	Supply & Install Type 1 Geomembrane, OR	Square Foot	728,000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8B	Supply & Install Type 2 Geomembrane	Square Foot	728,000	\$0.70	\$509,600.00	\$0.77	\$560,560.00	\$0.70	\$509,600.00	\$0.70	\$509,600.00
9A	Supply & Install Geotextile Separator (Type 1 Geomembrane Option), OR	Square Foot	65,000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9B	Supply & Install Geotextile Separator (Type 2 Geomembrane Option)	Square Foot	728,000	\$0.14	\$101,920.00	\$0.21	\$152,880.00	\$0.14	\$101,920.00	\$0.14	\$101,920.00
10	Supply & Install Road Geotextile	Square Foot	90,000	\$0.10	\$9,000.00	\$0.23	\$20,700.00	\$0.11	\$9,900.00	\$0.18	\$16,200.00
11	18" Vegetative Cover Soil	Cubic Yard	32,000	\$7.60	\$243,200.00	\$3.70	\$118,400.00	\$8.00	\$256,000.00	\$8.10	\$259,200.00
12	Expose, Clean & Weld to existing Phase I/II Geomembrane	Lineal Foot	350	\$22.00	\$7,700.00	\$98.43	\$34,450.50	\$20.00	\$7,000.00	\$28.76	\$10,066.00
13	Expose, Clean & Weld to existing Phase III Geomembrane	Lineal Foot	3,400	\$14.00	\$47,600.00	\$29.28	\$99,552.00	\$15.00	\$51,000.00	\$16.70	\$56,780.00
14	Install Crest Anchor Trench	Lineal Foot	37	\$30.00	\$1,110.00	\$93.79	\$3,470.23	\$10.00	\$370.00	\$34.00	\$1,258.00
15	Road Base	Ton	2,600	\$18.70	\$48,620.00	\$16.76	\$43,576.00	\$19.00	\$49,400.00	\$14.50	\$37,700.00
16	18" Clayey Soil over Geomembrane on Benches	Cubic Yard	4,000	\$14.00	\$56,000.00	\$5.98	\$23,920.00	\$8.00	\$32,000.00	\$20.00	\$80,000.00
17	Toe Drain Pipe & Gravel	Lineal Foot	3,400	\$7.00	\$23,800.00	\$8.89	\$30,226.00	\$10.00	\$34,000.00	\$17.18	\$58,412.00
18	Install new 6" HDPE LFG Lateral Collection pipe & Risers	Lineal Foot	5,100	\$9.50	\$48,450.00	\$14.60	\$74,460.00	\$8.00	\$40,800.00	\$18.09	\$92,259.00
19	Extend existing 6" HDPE LFG Wellhead	Each	24	\$520.00	\$12,480.00	\$978.78	\$23,490.72	\$300.00	\$7,200.00	\$504.00	\$12,096.00
20	Abandon existing 6" HDPE LFG Wellhead	Each	13	\$175.00	\$2,275.00	\$143.87	\$1,870.31	\$200.00	\$2,600.00	\$447.00	\$5,811.00
21	Rock Protection along Roads, Drainage Benches & Ditches	Ton	3,000	\$19.50	\$58,500.00	\$28.59	\$85,770.00	\$24.00	\$72,000.00	\$18.37	\$55,110.00
22	36" CPE Drop Inlet Structures	Each	5	\$2,730.00	\$13,650.00	\$7,374.94	\$36,874.70	\$2,000.00	\$10,000.00	\$2,989.00	\$14,945.00
23	18" CPE Downdrain Pipe	Lineal Foot	330	\$27.00	\$8,910.00	\$27.73	\$9,150.90	\$100.00	\$33,000.00	\$31.00	\$10,230.00
24	Remove existing Culverts & Replace with new 18" CPE Pipe	Lineal Foot	200	\$47.00	\$9,400.00	\$53.06	\$10,612.00	\$25.00	\$5,000.00	\$63.00	\$12,600.00
25	Remove existing power poles	Each	2	\$165.00	\$330.00	\$512.81	\$1,025.62	\$200.00	\$400.00	\$1,000.00	\$2,000.00
26	LFG Infrastructure Management	Lump Sum	1	\$28,655.00	\$28,655.00	\$2,811.42	\$2,811.42	\$60,000.00	\$60,000.00	\$21,504.00	\$21,504.00

Total Amount of Bid: **\$2,265,289.00**

Engineer's Estimate: **\$2,000,000.00**

\$2,344,209.31

\$2,409,430.00

\$2,510,576.00

Indicates a discrepancy between contractor's submitted totals and totals calculated from unit costs submitted.