

W.4.B6.

AGENDA COVER MEMO

Memorandum Date: April 20, 2007

Order Date: May 2, 2007

TO: Board of County Commissioners

DEPARTMENT: Public Works / Waste Management Division

PRESENTED BY: Daniel Hurley

AGENDA ITEM TITLE: ORDER/IN THE MATTER OF AWARDED CONTRACT WM 06/07-10 TO R & G EXCAVATING, INC. IN THE AMOUNT OF \$7,103,302.20 FOR CONSTRUCTION OF THE PHASE V LINER, PHASE I/II FINAL CLOSURE, WETLANDS CONSTRUCTION, CAMAS SWALE TEMPORARY BRIDGE AND HAUL ROAD AT THE SHORT MOUNTAIN LANDFILL AND WETLANDS MITIGATION AREA, AND AUTHORIZING THE ADMINISTRATOR TO EXECUTE THE CONTRACT

I. MOTION

MOVE APPROVAL OF ORDER AWARDED CONTRACT WM 06/07-10 TO R & G EXCAVATING, INC. IN THE AMOUNT OF \$7,103,302.20 FOR CONSTRUCTION OF THE PHASE V LINER, PHASE I/II FINAL CLOSURE, WETLANDS CONSTRUCTION, CAMAS SWALE TEMPORARY BRIDGE AND HAUL ROAD AT THE SHORT MOUNTAIN LANDFILL AND WETLANDS MITIGATION AREA, 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 following projects associated with the Short Mountain Landfill

- Phase V Landfill Cell: a 16.7 acre double-lined refuse cell
- Phase I/II Final Closure: completion of a final closure "cap" on 19 acres
- Phase I/II Interim Cover: soil hauling for an interim cover on 11 acres
- Mitigation Wetlands: excavation for constructing 57 acres of mitigation wetlands (19 acres are mitigation for the Bob Straub Parkway (Jasper Road Extension II))
- Temporary Haul Road & Bridge: a temporary haul route for moving soil excavated in the Wetland Mitigation Area to the Short Mountain Landfill

R & G Excavating, Inc. was the low bidder for this construction contract with a bid of \$7,103,302.20.

III. BACKGROUND/IMPLICATIONS OF ACTION

The Short Mountain Landfill began operation in December 1976. Phase IV of the landfill was constructed in 2002 is expected reach capacity in early 2008. Therefore it is necessary to construct a new landfill cell this construction season.

In 2006, Wilder Construction Company completed the first phase of a project to prepare 19 acres of the landfill for final closure. A second phase of construction, to spread an 18 inch layer of soil cover over the previously installed geomembrane cap, is needed to finish this closure project.

To mitigate for the wetland impacts of the proposed Phase V cell and for the impacts of the Bob Straub Parkway, 57 acres of wetlands will need to be created at the "Quamash Prairie" Wetland Mitigation Area located directly south of Short Mountain Landfill. Soil excavated from the wetland would be transported to the Short Mountain Landfill across a temporary haul road and bridge, and would be used for various projects at the landfill including: the Phase I/II (south face) final closure, the Phase I/II (north face) interim cover, and future closure projects.

The Oregon Department of Environmental Quality has approved the design of the Phase V Landfill Cell and other projects associated with this construction contract. Staff has received permits from the Oregon Department of State Lands and is currently working with the US Army Corps of Engineers on permits related to the wetlands impacts of the Phase V Cell and the Bob Straub Parkway.

Construction documents were prepared and issued for bid on March 27, 2007. Bids were received on April 20, 2007. The Engineer's Estimate for this work was \$7,047,983.

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
- Developing a wetlands area adjacent to the Short Mountain Landfill to facilitate expansion into wetlands on the existing landfill property.

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 March 23, 2007. A mandatory pre-bid meeting was held on April 10, 2007.

The following bids were received and opened on April 20, 2007, at 10:00 a.m.:

Bidder	Total Bid Price
R & G Excavating, Inc.	\$7,103,302.20
Tri-State Construction, Inc.	\$9,095,836.20*
Emery and Sons Construction, Inc.	\$9,238,554.55
Delhur Industries, Inc.	\$10,040,709.98

* The total bid by Tri-State Construction, Inc. was listed as \$8,133,836.20. An unintended decimal error marked in the unit price of one bid item brought the total to \$9,095,836.20.

The low bidder was R & G Excavating, Inc., with a total bid price of \$7,103,302.20. Staff recommends awarding the contract to R & G Excavating, Inc.

D. Alternatives/Options

The Board may award the contract to R & G Excavating, Inc., to one of the other bidders, or reject all of the bids.

If no contract is awarded, Lane County may be forced to look at alternative options for disposal because the Phase IV Landfill Cell will be full in early 2008.

IV. TIMING/IMPLEMENTATION

If the contract is awarded, staff will hold a pre-construction meeting with the selected contractor (anticipated for May 22, 2007). Following this meeting, the contractor will begin work on the various construction projects (anticipated for May 29, 2007). Work is expected to be complete on these projects by October 15, 2007.

V. RECOMMENDATION

It is recommended that the Board award contract WM 06/07-10 to R & G Excavating, Inc. for construction of the Phase V Liner, Phase I/II Final Closure, Wetlands Construction, Camas Swale Temporary Bridge and Haul Road at the Short Mountain Landfill, and authorize the County Administrator to execute the contract in the amount of \$7,103,302.20, contingent on the County receiving the necessary regulatory approvals and/or permits.

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 06/07-10 TO R&G
)EXCAVATING, INC., IN THE AMOUNT OF
)\$7,103,302.20 FOR CONSTRUCTION OF THE
)PHASE V LINER, PHASE I/II FINAL
)CLOSURE, WETLANDS CONSTRUCTION,
)CAMAS SWALE TEMPORARY BRIDGE AND
)HAUL ROAD AT THE SHORT MOUNTAIN
)LANDFILL AND WETLANDS MITIGATION
)AREA, 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, a new landfill cell is required to provide this solid waste disposal, and

WHEREAS, completion of a final closure area is required to meet regulatory requirements, and

WHEREAS, construction of mitigation wetlands are required to meet regulatory requirements associated with the fill/removal of wetlands impacted by Phase 5 of the Short Mountain Landfill and Phase II of the Jasper Road Extension, and

WHEREAS, permits for impacts to wetlands are required prior to commencing construction, and

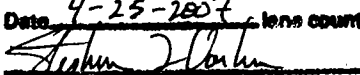
WHEREAS, bids for the Short Mountain Landfill and Wetlands Mitigation Area construction projects were solicited and received, NOW THEREFORE, IT IS HEREBY

ORDERED, that contract WM 06/07-10 for construction of the Phase V Liner, Phase I/II Final Closure, Wetlands Construction, Camas Swale Temporary Bridge and Haul Road at the Short Mountain Landfill and Wetland Mitigation Area in the amount of \$7,103,302.20, be awarded to R&G Excavating, Inc., with an effective date of May 8, 2007, contingent upon receipt of all required permits and it is further

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

Dated this 2nd day of May 2007.

APPROVED AS TO FORM

Date 4-25-2007 lane county

OFFICE OF LEGAL COUNSEL

Faye Stewart, Chair
Lane County Board of Commissioners

IN THE MATTER OF AWARDING CONTRACT WM 06/07-10 TO R & G EXCAVATING, INC., IN THE AMOUNT OF \$7,103,302.20 FOR CONSTRUCTION OF THE PHASE V LINER, PHASE I/II FINAL CLOSURE, WETLANDS CONSTRUCTION, CAMAS SWALE TEMPORARY BRIDGE AND HAUL ROAD AT THE SHORT MOUNTAIN LANDFILL AND WETLANDS MITIGATION AREA, 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., Friday, April 20, 2007**, at which time and place they will be publicly opened and read aloud for the following project:

Contract No. WM 06/07-10

**SHORT MOUNTAIN LANDFILL (SML) PHASE V LINER, PHASE I/II FINAL CLOSURE,
WETLANDS CONSTRUCTION, CAMAS SWALE TEMPORARY BRIDGE AND HAUL ROAD**

DESCRIPTION OF WORK

For excavation and construction of an approximate 16.7 acre double-lined refuse cell, completion of a 19 acre final cover project, earthwork for an 11.5 acre interim cover, and earthwork for creation of 57 acres of wetlands (all areas approximate). The scope of work for the new refuse cell includes the following: clearing and grubbing; excavation of 34,000 cubic yards (cy) of soil to various embankments or fills; excavation of 68,000 cy of soil to construct a clay liner; excavation of 51,000 cy of soil to stockpiles; supply and installation of primary and secondary geomembranes and one geosynthetic drainage layer; supply and installation of 6-inch gravel underdrain and 12-inch gravel primary drain layers; supply and installation of nearly 2.2 million square feet of various geotextiles; supply and installation of temporary tarp and ballast weights; supply and installation of 15,000 feet of various sizes of HDPE pipe; three separate electric leak surveys; sumps and pumps; and various other earthwork, geosynthetics, and drainage infrastructures. The scope of work for the final cover completion includes the following: cleaning existing geomembrane surface; supply and installation of over 700,000 sq ft of geotextile separator; placement of 36,000 cy of soil for final cover from soil excavated from wetlands creation; and completion of rock-lined ditches. The scope of work of interim cover includes excavating soil from wetlands creation and dumping 18,600 cy to Owner-directed locations. The scope of work for wetlands creation includes the following: constructing and ultimately removing a temporary haul road from geotextile and aggregate base; constructing concrete bridge abutments for temporary bridge; renting, installing, and removing temporary bridge; excavation and hauling 54,600 cy of soil to the cover projects previously described; over-excavation and replacement of 47,000 cy of soil in the wetlands area; and excavation of 260,000 cy of soil to stockpile. The work includes other incidental and itemized work and materials as described in the plans and specifications. Assumed contract start date is May 29, 2007, and work is to be completed by October 15, 2007. Estimated cost range is \$6,700,000 to \$7,500,000.

Plans and specifications may be reviewed or picked up at the Lane County Central Receiving Station on or after **Tuesday, March 27, 2007**. Request for plans and specifications can be made by calling (541) 682-3811. There will be a non-refundable \$20.00 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 Tuesday, April 10, 2007 at 10:30 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.

Bidders must be qualified with the following minimum levels of experience: (1) Company experience in constructing at least two composite lined landfills in the past five years. (2) Superintendent experience in constructing at least two composite lined landfills in the past five years. References for relevant company and superintendent experience must be submitted with the bid.

A portion of the bidding information is available through Lane County's Website at www.co.lane.or.us/pw-plan and select "**2007 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

Lane County Public Works
Waste Management Division

Bid Recap
Contract: WM 06/07-10

Description: Phase V Cell Construction, Phase I/II Closure, Wetlands Construction, Temporary Haul Road & Bridge
County Site: Short Mountain Landfill

Date of Opening: 10a.m.
Friday, April 20, 2007

				#1 R & G Excavating, Inc. 39300 Montgomery Dr. Scio, OR 97374 CCB #65135		#1 Tri-State Construction, Inc. 5730 NE 138th Avenue Portland, OR 97230 CCB # 62974		#1 Emery and Sons Construction, Inc. 9694 Golf Club Road Stayton, OR 97383 CCB #312		#1 Delhur Industries, Inc. 30607 Oldfield Street Hermiston, OR 97838 CCB #66157	
Item No.	Item	Unit	Qty	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1	Mobilization	LS	1	\$208,825.00	\$208,825.00	\$596,637.09	\$596,637.09	\$722,525.00	\$722,525.00	\$1,080,000.00	\$1,080,000.00
2	Temporary Erosion and Sediment Control	LS	1	\$177,500.00	\$177,500.00	\$38,500.00	\$38,500.00	\$60,000.00	\$60,000.00	\$120,000.00	\$120,000.00
3	Phase I/II: Geomembrane Surface Preparation	FA	-	-	\$15,000.00	-	\$15,000.00	-	\$15,000.00	-	\$15,000.00
4	Phase I/II: Ditch Preparation	FA	-	-	\$2,000.00	-	\$2,000.00	-	\$2,000.00	-	\$2,000.00
5	Phase V: Clearing	AC	18.8	\$2,600.00	\$48,880.00	\$1,875.00	\$35,250.00	\$1,300.00	\$24,440.00	\$1,200.00	\$22,560.00
6	Phase V: Grubbing (Top 6 inches)	CY	15,185	\$3.00	\$45,555.00	\$2.90	\$44,036.50	\$4.00	\$60,740.00	\$3.52	\$53,451.20
7	Excavate to Embankment TYPE 1	CY	8,449	\$4.40	\$37,175.60	\$7.40	\$62,522.60	\$5.00	\$42,245.00	\$5.45	\$46,047.05
8	Excavate to Embankment TYPE 2	CY	1,694	\$8.00	\$13,552.00	\$8.54	\$14,466.76	\$4.00	\$6,776.00	\$6.00	\$10,164.00
9	Excavate to Embankment TYPE 3	CY	1,425	\$8.00	\$11,400.00	\$8.66	\$9,490.50	\$11.00	\$15,675.00	\$6.00	\$8,550.00
10	Excavate Phase V to Soil Stockpiles	CY	39,989	\$3.00	\$119,967.00	\$3.20	\$127,964.80	\$4.00	\$159,956.00	\$4.56	\$182,349.84
11	Excavate to Clay Liner	CY	67,840	\$5.75	\$390,080.00	\$7.19	\$487,769.60	\$12.00	\$814,080.00	\$13.50	\$915,840.00
12	Excavate to Operations Layer	CY	25,000	\$7.00	\$175,000.00	\$5.80	\$145,000.00	\$13.00	\$325,000.00	\$8.25	\$206,250.00
13	Over Excavation	FA	0	-	-	-	-	-	-	-	-
14	"Sand Burnito"	LF	2,474	\$12.25	\$30,306.50	\$4.23	\$10,465.02	\$8.00	\$19,792.00	\$13.79	\$34,116.46
15	Anchor Trench Excavation and Backfill	LF	889	\$8.00	\$7,112.00	\$10.76	\$9,583.42	\$12.00	\$10,668.00	\$8.00	\$7,112.00
16	Wetlands: Strip 0 to Minus-6 inches and Haul to Phase I/II Final Closure for Vegetative Cover Layer	CY	36,000	\$4.70	\$169,200.00	\$6.80	\$244,800.00	\$7.00	\$252,000.00	\$9.98	\$359,280.00
17	Wetlands: Excavate Minus-6 to Minus-12 inches to Temporary Stockpile, and Re-spread on Final Wetlands Mitigation Surface	CY	47,020	\$3.50	\$164,570.00	\$10.22	\$480,544.40	\$5.00	\$235,100.00	\$7.98	\$375,219.60
18	Wetlands: Excavation to Interim Cover	CY	18,543	\$3.50	\$64,900.50	\$6.40	\$118,675.20	\$6.00	\$111,258.00	\$8.44	\$156,502.92
19	Wetlands: Excavation to Stockpile (QTO incl 10% bulking factor)	CY	264,000	\$3.70	\$976,800.00	\$3.49	\$921,360.00	\$6.00	\$1,584,000.00	\$7.90	\$2,085,600.00
20	Expose, and Clean Existing Geomembrane	LF	1,587	\$8.00	\$12,696.00	\$22.00	\$34,914.00	\$9.00	\$14,283.00	\$12.16	\$19,297.92
21	Supply and Install Secondary Geomembrane Liner System	SF	727,576	\$1.00	\$727,576.00	\$0.92	\$669,369.92	\$0.90	\$654,818.40	\$0.72	\$523,854.72
22	Supply and Install Primary Geomembrane Liner System on Slopes	SF	72,285	\$1.00	\$72,285.00	\$14.80	\$1,069,818.00	\$0.70	\$50,599.50	\$0.84	\$60,719.40
23	Supply and Install Primary Floor Geomembrane	SF	659,416	\$0.50	\$329,708.00	\$0.60	\$395,649.60	\$0.75	\$494,562.00	\$0.56	\$369,272.96
24	Leak location surveys	LS	1	\$71,000.00	\$71,000.00	\$63,000.00	\$63,000.00	\$100,000.00	\$100,000.00	\$118,000.00	\$118,000.00
25	Supply and Install GCL	SF	22,523	\$0.70	\$15,766.10	\$1.14	\$25,676.22	\$1.00	\$22,523.00	\$0.68	\$15,315.64
26	Supply and Install Geotextile Separator	SF	1,471,685	\$0.20	\$294,337.00	\$0.22	\$323,770.70	\$0.25	\$367,921.25	\$0.15	\$220,752.75
27	Supply and Install Geotextile Cushion	SF	672,776	\$0.20	\$134,555.20	\$0.33	\$222,016.08	\$0.30	\$201,832.80	\$0.23	\$154,738.48
28	Supply and Install Geotextile Filter	SF	678,446	\$0.10	\$67,844.60	\$0.14	\$94,982.44	\$0.20	\$135,689.20	\$0.11	\$74,629.06
29	Supply and Install Temporary Geomembrane Tarp	SF	158,432	\$0.20	\$31,686.40	\$0.61	\$96,643.52	\$0.70	\$110,902.40	\$0.24	\$38,023.68
30	Supply and Install Temporary Tarp and Ballast Grid	SF	573,500	\$0.20	\$114,700.00	\$0.41	\$235,135.00	\$0.50	\$286,750.00	\$0.38	\$217,930.00
31	Supply and Install 24" Culvert and Trash Racks	LF	95	\$80.00	\$7,600.00	\$112.16	\$10,655.20	\$100.00	\$9,500.00	\$50.00	\$4,750.00
32	Supply and Install 18" Downdrain and Inlet Structure	LF	51	\$125.00	\$6,375.00	\$213.50	\$10,888.50	\$175.00	\$8,925.00	\$107.45	\$5,479.95
33	Supply and Install 6" Perforated Underdrain Pipe	LF	4,595	\$14.00	\$64,330.00	\$21.60	\$99,252.00	\$11.00	\$50,545.00	\$13.47	\$61,894.65
34	Supply and Install 12" Underdrain and Flow Discharge Pipe	LF	116	\$62.00	\$7,192.00	\$28.00	\$3,248.00	\$50.00	\$5,800.00	\$38.96	\$4,519.36
35	Supply and Install 18" Underdrain Riser Pipe	LF	70	\$180.00	\$12,600.00	\$193.20	\$13,524.00	\$150.00	\$10,500.00	\$190.86	\$13,360.20
36	Supply and Install 4" Perforated SLCRS Pipe	LF	4,573	\$7.00	\$32,011.00	\$7.10	\$32,468.30	\$8.00	\$36,584.00	\$10.50	\$48,016.50
37	Supply and Install 18" SLCRS Riser Pipe	LF	68	\$171.00	\$11,628.00	\$146.00	\$9,928.00	\$100.00	\$6,800.00	\$147.83	\$10,052.44
38	Supply and Install 8" Perforated PLCS Pipe	LF	4,607	\$10.00	\$46,070.00	\$12.90	\$59,430.30	\$12.00	\$55,284.00	\$21.50	\$99,050.50
39	Supply and Install 8" PLCS Cleanout Pipe	LF	641	\$28.00	\$17,948.00	\$19.90	\$12,755.90	\$20.00	\$12,820.00	\$27.50	\$17,627.50
40	Leachate Force Main, Valves, Meters, Vaults, and Wiring Conduits	LS	1	\$28,000.00	\$28,000.00	\$46,600.00	\$46,600.00	\$50,000.00	\$50,000.00	\$45,687.00	\$45,687.00
41	Sump Riser and Internal Piping	LS	1	\$33,000.00	\$33,000.00	\$46,190.00	\$46,190.00	\$50,000.00	\$50,000.00	\$52,000.00	\$52,000.00
42	Sump Pumps	LS	1	\$22,000.00	\$22,000.00	\$10,200.00	\$10,200.00	\$5,000.00	\$5,000.00	\$41,000.00	\$41,000.00

43	Supply and Install Pipe Supports and Bollards	LS	1	\$3,000.00	\$3,000.00	\$1,710.00	\$1,710.00	\$6,000.00	\$6,000.00	\$10,000.00	\$10,000.00
44	Supply and Install Drainage Gravel TYPE 1 for Underdrain Layer	CY	13.656	\$50.00	\$682,800.00	\$39.25	\$535,998.00	\$37.00	\$505,272.00	\$35.00	\$477,960.00
45	Supply and Install Drainage Gravel TYPE 1 for SLCRS Layer	CY	480	\$88.00	\$42,240.00	\$53.71	\$25,780.80	\$37.00	\$17,760.00	\$40.00	\$19,200.00
46	Supply and Install Drainage Gravel TYPE 2 for PLCS Layer	CY	32.032	\$38.00	\$1,217,216.00	\$39.35	\$1,260,459.20	\$37.00	\$1,185,184.00	\$34.10	\$1,092,291.20
47	Supply and Install Rock Protection	TN	1700	\$28.00	\$47,600.00	\$19.00	\$32,300.00	\$21.00	\$35,700.00	\$26.00	\$44,200.00
48	Supply and Install Aggregate Subbase	TN	707	\$26.00	\$18,382.00	\$16.60	\$11,736.20	\$20.00	\$14,140.00	\$18.00	\$12,726.00
49	Supply and Install Aggregate Base	TN	218	\$26.00	\$5,668.00	\$18.60	\$4,054.80	\$20.00	\$4,360.00	\$18.00	\$3,924.00
50	Temporary Haul Road: Supply and Install Aggregate Base, and Remove at End of Project	TN	2180	\$25.00	\$54,500.00	\$26.59	\$57,966.20	\$50.00	\$109,000.00	\$40.00	\$87,200.00
51	Temporary Haul Road: Permanent Bridge Abutments	LS	1	\$26,000.00	\$26,000.00	\$10,000.00	\$10,000.00	\$36,000.00	\$36,000.00	\$50,000.00	\$50,000.00
52	Temporary Haul Road: Temporary Bridge	LS	1	\$95,000.00	\$95,000.00	\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00	\$197,000.00	\$197,000.00
53	Traffic Control and Barriers	FA	1	-	\$37,600.00	-	\$37,600.00	-	\$37,600.00	-	\$37,600.00
54	Supply and Install 4" Perforated Gas Collection Pipe	LF	8661	\$6.30	\$54,564.30	\$13.63	\$118,049.43	\$4.00	\$34,644.00	\$13.00	\$112,593.00
Total Amount of Bid:					\$7,103,302.20		\$9,095,836.20		\$9,238,554.55		\$10,040,709.98

Engineer's Estimate: **\$7,047,983.00**

Bid stated \$7,094,030.70
(arithmetic error in item 18)

Bid stated \$8,133,000
(decimal error in item 22 unit price)