# Appendix BB

# Detailed Cost Estimate

# Appendix BB

# Detailed Cost Estimate

To prepare the detailed cost estimate for the INEEL CERCLA Disposal Facility project, the following information is the basis for the cost estimate.

**SCOPE OF WORK:** Brief description of the proposed project.

The scope of this project is to complete the remaining 2002 work on the ICDF.

**BASIS OF THE ESTIMATE:** Drawings, Design Report, Engineers' Notes and/or other documentation upon which the estimate is originated.

A. CH2M HILL 90% design drawings and specifications

B. TEREX Earth Moving Handbook

C. Caterpillar Handbook

D. Means Cost Data

E. Richardson Estimating Manual

F. Previous approved for construction (AFC) estimate

**ASSUMPTIONS:** Conditions statements accepted or supposed true without proof of demonstration. An assumption has a direct impact on total estimated cost.

A. Work to be performed in 2002.

B. Work will be performed by a contractor familiar with construction at the Idaho National Engineering and Environmental Laboratory (INEEL).

C. No hazardous or contaminated material will be encountered.

D. All radiological technicians and environmental, safety, and quality support will be available to support the work.

E. No costs have been included to decontaminate, clean, or replace any equipment.

F. INEEL Site-specific training required by the contract is not included.

G. Costs for Conduct of Operations/Conduct of Maintenance are included.

H. Entire fence will not have to be grounded, only the portion of the fence near the power lines.

I. Roads will be paved with 4 in. of AC over 6 in. of base.

J. No costs have been included for any controls to be run back to the Staging, Storage, Sizing, and Treatment Facility.

K. Evaporation pond structural fill is 1 ft of material from Rye Grass Flats to protect the secondary membrane from the rocks.

L. All pipe inside the crest buildings is carbon steel.

M. All fire protection pipe is PVC.

N. All other pipe is HDPE.

**( ( TINGENCY GUIDELINE IMPLEMENTATION**: *The percentage used for contingency as termined by the contingency allowance guidelines can be altered to reflect the type of construction and conditions that may impact the total estimated cost.*

A 6% contingency has been included in the estimate[1]. This is within the acceptable range for an estimate at 90% design where detailed design has been completed and used for the cost estimate. The activities with the largest contingency are as follows:

- Equipment mobilization
- Utility excavation and fill
- Concrete
- Finish painting
- Landfill pipe and pumps
- Evaporation pond crest building piping
- All electrical.

**OTHER COMMENTS/CONCERNS SPECIFIC TO THE ESTIMATE:**

A. Costs on the detailed cost sheets are direct costs and do not include overhead, profit, or escalation for the construction subcontractor.

B. Each major activities cost has been escalated to the midpoint of that activity on the summary sheets.

C. Ten percent has been added to all work activities to spread direct supervision and quality assurance/quality control costs back into the work.

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1. Contingency decreases for each stage of a project at which the cleanup estimate is prepared. For the detailed design phase, contingency is typically +/- 10%.

The Table BB-1 summarizes the construction cost estimate for the remainder of construction for ICDF. The estimate construction cost is $6,897,942.

One further cost comparison is provided in this section. A comparison is made between the estimated cost in the Feasibility Study (DOE-ID 1998) to the same cost in the Remedial Design/Construction Work Plan (RD/CWP). The estimated cost for the ICDF project has been reduced by approximately $32 million as detailed in Table BB-2. The cost of on-Site disposal at the ICDF Complex has been significantly reduced from the estimate in the Feasibility Study (FS) Supplement Report (DOE-ID 1998), on which the Operable Unit 3-13 Record of Decision was based. The current estimate for on-Site disposal at the ICDF Complex is $79.6M, which includes design, construction, operation, closure, and long-term monitoring. The most significant scope change is that minimal treatment facilities will be constructed and operated at the ICDF Complex instead of a complex treatment system capable of treating 20,000 $yd^3$/yr. The complex treatment system was planned to treat a wide variety of wastes using several treatment processes. The minimal treatment facility will use one treatment process.

The estimated costs are summarized for on-Site and off-Site disposal (Hain 2001) as follows. The off-Site disposal cost is estimated to cost $465M and, based upon disposal of 510,000 $yd^3$, the cost of disposal is $911/$yd^3$. The on-Site disposal cost is $79.6M and, based upon the same volume, the cost of disposal is $156/$yd^3$. On-Site disposal costs are $385.4M less than off-Site disposal while the estimated cost per cubic yard is $755/$yd^3$ less for on-Site disposal. Effective July 1, 2001, Utah began issuing permits and assessing fees to generators for accessing Utah radioactive waste disposal facilities (Rule R313-26). The annual fee for generators who generate more than 1,000 $ft^3$ is $1,300. If INEEL wastes were shipped to Utah over a 15-year time frame, the off-Site disposal cost would increase $19,500 or $0.04/$yd^3$.

**REFERENCES:**

DOE-ID, 1998. *Comprehensive RI/FS for the Idaho Chemical Processing Plant OU 3-13 at the INEEL-Part B, FS Supplement Report*, Volume 2, Appendix A, DOE/ID-10619, Revision 2, October 1998.

Hain, 2001, Kathleen Hain, Manager Environmental Restoration Program, Department of Energy, Idaho Operations Office, to, Wayne Pierre, Environmental Cleanup Office, U.S. Environmental Protection Agency, Region X and Dean Nygard, Idaho Department of Environmental Quality, Date, October 3, 2001, Subject, "On-Site Versus Off-Site Soil and Debris Disposal Cost Comparison," Enclosure: *On-site Versus Off-Site Soil and Debris Disposal Comparison for the ICDF Complex*, October 2001.

Rule R313-26, 2001, "Generator Site Access Permit Requirements for Accessing Utah Radioactive Waste Disposal Facilities," Utah Administrative Code, Environmental Quality, September 2001.

Table BB-1. ICDF Phase II construction cost summary.

| Description | Direct Cost ($) | Sales Tax ($) | Sub Overhead ($) | Escalation ($) | Contingency ($) | Total Cost ($) |
|---|---|---|---|---|---|---|
| Install sediment & erosion control | 9,129 | 78 | 4,878 | 338 | 1,154 | 15,577 |
| Clear, grub & strip borrow area | 21,744 | 0 | 11,587 | 800 | 2,730 | 36,861 |
| Place ICDF structural fill | 85,777 | 1,838 | 46,687 | 3,223 | 11,002 | 148,527 |
| Place ICDF HDPE geomembrane | 155,351 | 5,466 | 110,742 | 6,517 | 22,246 | 300,322 |
| Place ICDF composite drainage net | 104,335 | 2,915 | 73,855 | 4,347 | 14,836 | 200,288 |
| Place evaporation pond clay liner | 125,057 | 2,767 | 88,023 | 5,180 | 17,682 | 238,709 |
| Revegetation | 10,522 | 240 | 5,735 | 396 | 1,351 | 18,244 |
| Site cleanup | 12,754 | 0 | 6,796 | 469 | 1,602 | 21,621 |
| Install monitoring & control systems | 6,898 | 250 | 3,809 | 263 | 1,306 | 12,526 |
| Subcontractor mobilization | 38,192 | 0 | 11,294 | 1,188 | 10,135 | 60,809 |
| Place ICDF clay liner | 330,788 | 7,288 | 232,807 | 13,701 | 46,767 | 631,351 |
| Place ICDF secondary HDPE | 155,351 | 5,466 | 110,742 | 6,517 | 22,246 | 300,322 |
| Place ICDF composite drainage net | 104,335 | 2,915 | 73,855 | 4,347 | 14,836 | 200,288 |
| Place ICDF primary clay liner | 391,669 | 640 | 209,052 | 14,433 | 49,263 | 665,057 |
| Place ICDF leachate drainage gravel | 115,392 | 4,800 | 64,047 | 4,422 | 15,093 | 203,754 |
| Place leachate collection piping & pumps | 46,483 | 1,042 | 28,492 | 1,824 | 6,227 | 84,068 |
| Place ICDF landfill operations layer | 251,020 | 2,915 | 152,020 | 9,743 | 33,256 | 448,954 |
| Construct ICDF crest pad building | 89,060 | 3,111 | 53,143 | 3,488 | 14,670 | 163,472 |
| Place evaporation pond secondary liner | 59,003 | 2,076 | 42,062 | 2,475 | 8,449 | 114,065 |
| Place evaporation pond composite drainage net | 79,253 | 2,214 | 56,101 | 3,302 | 11,270 | 152,140 |
| Construct evaporation pond crest building | 44,943 | 1,279 | 25,595 | 1,724 | 8,649 | 82,190 |
| Place evaporation pond primary HDPE | 118,005 | 4,152 | 84,120 | 4,951 | 16,898 | 228,126 |

Table BB-1. (continued).

| Description | Direct Cost ($) | Sales Tax ($) | Sub Overhead ($) | Escalation ($) | Contingency ($) | Total Cost ($) |
|---|---|---|---|---|---|---|
| Construct lechate transfer facility | 34,841 | 743 | 19,292 | 1,317 | 6,602 | 62,795 |
| Install electrical power systems | 82,951 | 739 | 45,885 | 3,110 | 14,520 | 147,205 |
| Install raw water system | 175,166 | 1,539 | 99,381 | 6,626 | 22,617 | 305,329 |
| Place surface course for roads | 132,794 | 1,100 | 71,349 | 4,926 | 16,814 | 226,983 |
| Install perimeter fence | 129,896 | 3,828 | 71,258 | 4,920 | 16,902 | 226,804 |
| Install groundwater monitoring wells | 1,410,584 | 0 | 0 | 0 | 190,972 | 1,601,555 |
| **Total ICDF Phase II** | | | | | | **$6,897,942** |

Table BB-2. Cost comparison between feasibility study and RD/CWP.

| Cost Element | Feasibility Study Estimated Cost (DOE-ID 1998) | RD/CWP Estimated Cost (Hain 2001) |
|---|---|---|
| Capital | $91,955,000 | $31,627,000 |
| Design | $6,898,000 | $8,451,000 |
| Construction | $85,057,000 | $23,176,000 |
| Operations total | $11,514,000 | $21,486,000 |
| Closure total | NA[a] | $9,969,000 |
| Post-closure total | $8,213,000 | $7,995,000 |
| Other cost total[b] | NA[a] | $8,550,000 |
| Total | $111,682,000 | $79,627,000 |
| Difference | $32,055,000 | |

a. N/A = Not included in Feasibility Study cost estimate.

b. Other costs include program management necessary to implement a project at the INEEL for a duration of 100 years.

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

# DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| - CB6706 | | | | | | | | | | |
| -- **WBS 9102.1.01** | | | | | | | | | | |
| | DIRT | U.C. per hr | 2 | CN-LABR | 63.16 | 0 | 0 | 0 | 0 | 63.16 |
| Labor | | 120.00 | 240 | $31.58 | $7,579 | $0 | $0 | $0 | $0 | $7,579 |
| | DIRT | U.C. per lf | | | 0 | 0 | 0.5 | 0 | 0 | 0.5 |
| Silt Fence | | 3,000.00 | 0 | | $0 | $0 | $1,500 | $0 | $0 | $1,500 |
| | | U.C. per ea | | | 0 | 0 | 0.5 | 0 | 0 | 0.5 |
| Straw bales | | 100.00 | 0 | | $0 | $0 | $50 | $0 | $0 | $50 |
| Subtotal WBS 9102.1.01 | | | | | $7,579 | $0 | $1,550 | $0 | $0 | $9,129 |
| Sales Tax | | | | | $0 | $0 | $78 | $0 | $0 | $78 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $4,039 | $0 | $839 | $0 | $0 | $4,878 |
| Escalation | | | | | $279 | $0 | $59 | $0 | $0 | $338 |
| Contingency | | | | | $952 | $0 | $202 | $0 | $0 | $1,154 |
| **-- Total WBS 9102.1.01** | | | **240** | | **$12,849** | **$0** | **$2,728** | **$0** | **$0** | **$15,577** |
| Subtotal CB6706 | | | | | $7,579 | $0 | $1,550 | $0 | $0 | $9,129 |
| Sales Tax | | | | | $0 | $0 | $78 | $0 | $0 | $78 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $4,039 | $0 | $839 | $0 | $0 | $4,878 |
| Escalation | | | | | $279 | $0 | $59 | $0 | $0 | $338 |
| Contingency | | | | | $952 | $0 | $202 | $0 | $0 | $1,154 |
| - Total CB6706 | | | 240 | | $12,849 | $0 | $2,728 | $0 | $0 | $15,577 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

## DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| - CB6707 | | | | | | | | | | |
| -- **WBS 9102.1.02** | | | | | | | | | | |
| | DIRT | U.C. per ac | | | 199.2 | 344.4 | 0 | 0 | 0 | 543.6 |
| Clear & Grub | | 40.00 | 0 | | $7,968 | $13,776 | $0 | $0 | $0 | $21,744 |
| Subtotal WBS 9102.1.02 | | | | | $7,968 | $13,776 | $0 | $0 | $0 | $21,744 |
| Sales Tax | | | | | $0 | $0 | $0 | $0 | $0 | $0 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $4,246 | $7,341 | $0 | $0 | $0 | $11,587 |
| Escalation | | | | | $293 | $507 | $0 | $0 | $0 | $800 |
| Contingency | | | | | $1,001 | $1,730 | $0 | $0 | $0 | $2,730 |
| **-- Total WBS 9102.1.02** | | | | | **$13,508** | **$23,354** | **$0** | **$0** | **$0** | **$36,861** |
| Subtotal CB6707 | | | | | $7,968 | $13,776 | $0 | $0 | $0 | $21,744 |
| Sales Tax | | | | | $0 | $0 | $0 | $0 | $0 | $0 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $4,246 | $7,341 | $0 | $0 | $0 | $11,587 |
| Escalation | | | | | $293 | $507 | $0 | $0 | $0 | $800 |
| Contingency | | | | | $1,001 | $1,730 | $0 | $0 | $0 | $2,730 |
| - Total CB6707 | | | | | $13,508 | $23,354 | $0 | $0 | $0 | $36,861 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

## DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| - CB6709 | | | | | | | | | | |
| -- **WBS 9102.2.10** | | | | | | | | | | |
| | DIRT | U.C. per hr | 1 | 00E0912 | 0 | 65.87 | 0 | 0 | 0 | 65.87 |
| Grader | | 80.00 | 80 | | $0 | $5,270 | $0 | $0 | $0 | $5,270 |
| 00E0612 | DIRT | U.C. per hr | 1 | 00E0612 | 0 | 101.35 | 0 | 0 | 0 | 101.35 |
| Cat 825 Sheepsfoot | | 80.00 | 80 | | $0 | $8,108 | $0 | $0 | $0 | $8,108 |
| 00E2052 | DIRT | U.C. per hr | 1 | 00E2052 | 0 | 126.77 | 0 | 0 | 0 | 126.77 |
| 10000 gal Water Wagon | | 80.00 | 80 | | $0 | $10,142 | $0 | $0 | $0 | $10,142 |
| | DIRT | U.C. per hr | 4 | CN-EQMD | 139 | 0 | 0 | 0 | 0 | 139 |
| Operator & Grade Checker | | 80.00 | 320 | $34.75 | $11,120 | $0 | $0 | $0 | $0 | $11,120 |
| | DIRT | U.C. per hr | 2 | CN-LABR | 63.16 | 0 | 0 | 0 | 0 | 63.16 |
| Labor | | 80.00 | 160 | $31.58 | $5,053 | $0 | $0 | $0 | $0 | $5,053 |
| Subtotal WBS 9102.2.10 | | | | | $16,173 | $23,519 | $0 | $0 | $0 | $39,692 |
| Sales Tax | | | | | $0 | $0 | $0 | $0 | $0 | $0 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $8,618 | $12,533 | $0 | $0 | $0 | $21,151 |
| Escalation | | | | | $595 | $865 | $0 | $0 | $0 | $1,460 |
| Contingency | | | | | $2,031 | $2,953 | $0 | $0 | $0 | $4,984 |
| **-- Total WBS 9102.2.10** | | | **480** | | **$27,417** | **$39,871** | **$0** | **$0** | **$0** | **$67,287** |
| -- **WBS 9102.2.11** | | | | | | | | | | |
| | DIRT | U.C. per cy | | | 0.66 | 0.94 | 15 | 0 | 0 | 16.6 |
| Load and Haul Select Material | | 2,450.00 | 0 | | $1,617 | $2,303 | $36,750 | $0 | $0 | $40,670 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

## DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| | DIRT | U.C. per cy | | | 1.01 | 1.2 | 0 | 0 | 0 | 2.21 |
| Spread and Compact | | 2,450.00 | 0 | | $2,475 | $2,940 | $0 | $0 | $0 | $5,415 |
| Subtotal WBS 9102.2.11 | | | | | $4,092 | $5,243 | $36,750 | $0 | $0 | $46,085 |
| Sales Tax | | | | | $0 | $0 | $1,838 | $0 | $0 | $1,838 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $2,180 | $2,794 | $20,562 | $0 | $0 | $25,537 |
| Escalation | | | | | $151 | $193 | $1,420 | $0 | $0 | $1,763 |
| Contingency | | | | | $514 | $658 | $4,846 | $0 | $0 | $6,018 |
| **-- Total WBS 9102.2.11** | | | | | **$6,936** | **$8,888** | **$65,415** | **$0** | **$0** | **$81,239** |
| Subtotal CB6709 | | | | | $20,264 | $28,762 | $36,750 | $0 | $0 | $85,777 |
| Sales Tax | | | | | $0 | $0 | $1,838 | $0 | $0 | $1,838 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $10,798 | $15,327 | $20,562 | $0 | $0 | $46,687 |
| Escalation | | | | | $746 | $1,058 | $1,420 | $0 | $0 | $3,223 |
| Contingency | | | | | $2,545 | $3,612 | $4,846 | $0 | $0 | $11,002 |
| - Total CB6709 | | | 480 | | $34,353 | $48,759 | $65,415 | $0 | $0 | $148,527 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

# DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| - CB6713 | | | | | | | | | | |
| -- **WBS 9102.1.35** | | | | | | | | | | |
| LINE | | U.C. per sf | 0.004 | CN-LABR | 0.126 | 0 | 0.3 | 0 | 0 | 0.426 |
| 60 mill HDPE | | 364,400.00 | 1,458 | $31.58 | $46,031 | $0 | $109,320 | $0 | $0 | $155,351 |
| Subtotal WBS 9102.1.35 | | | | | $46,031 | $0 | $109,320 | $0 | $0 | $155,351 |
| Sales Tax | | | | | $0 | $0 | $5,466 | $0 | $0 | $5,466 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $31,698 | $0 | $79,044 | $0 | $0 | $110,742 |
| Escalation | | | | | $1,865 | $0 | $4,652 | $0 | $0 | $6,517 |
| Contingency | | | | | $6,368 | $0 | $15,879 | $0 | $0 | $22,246 |
| **-- Total WBS 9102.1.35** | | | **1,458** | | **$85,962** | **$0** | **$214,361** | **$0** | **$0** | **$300,323** |
| Subtotal CB6713 | | | | | $46,031 | $0 | $109,320 | $0 | $0 | $155,351 |
| Sales Tax | | | | | $0 | $0 | $5,466 | $0 | $0 | $5,466 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $31,698 | $0 | $79,044 | $0 | $0 | $110,742 |
| Escalation | | | | | $1,865 | $0 | $4,652 | $0 | $0 | $6,517 |
| Contingency | | | | | $6,368 | $0 | $15,879 | $0 | $0 | $22,246 |
| - Total CB6713 | | | 1,458 | | $85,962 | $0 | $214,361 | $0 | $0 | $300,323 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

## DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| - CB6715 | | | | | | | | | | |
| -- **WBS 9102.1.40** | | | | | | | | | | |
| | LINE | U.C. per sf | 0.004 | CN-LABR | 0.126 | 0 | 0.16 | 0 | 0 | 0.286 |
| 16 oz Geotex | | 364,400.00 | 1,458 | $31.58 | $46,031 | $0 | $58,304 | $0 | $0 | $104,335 |
| Subtotal WBS 9102.1.40 | | | | | $46,031 | $0 | $58,304 | $0 | $0 | $104,335 |
| Sales Tax | | | | | $0 | $0 | $2,915 | $0 | $0 | $2,915 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $31,698 | $0 | $42,157 | $0 | $0 | $73,855 |
| Escalation | | | | | $1,865 | $0 | $2,481 | $0 | $0 | $4,347 |
| Contingency | | | | | $6,368 | $0 | $8,469 | $0 | $0 | $14,836 |
| **-- Total WBS 9102.1.40** | | | **1,458** | | **$85,962** | **$0** | **$114,326** | **$0** | **$0** | **$200,288** |
| Subtotal CB6715 | | | | | $46,031 | $0 | $58,304 | $0 | $0 | $104,335 |
| Sales Tax | | | | | $0 | $0 | $2,915 | $0 | $0 | $2,915 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $31,698 | $0 | $42,157 | $0 | $0 | $73,855 |
| Escalation | | | | | $1,865 | $0 | $2,481 | $0 | $0 | $4,347 |
| Contingency | | | | | $6,368 | $0 | $8,469 | $0 | $0 | $14,836 |
| - Total CB6715 | | | 1,458 | | $85,962 | $0 | $114,326 | $0 | $0 | $200,288 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

## DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| - CB6725 | | | | | | | | | | |
| -- **WBS 9102.2.25** | | | | | | | | | | |
| | LINE | U.C. per sf | 0.015 | CN-LABR | 0.474 | 0 | 0.4 | 0 | 0 | 0.874 |
| Geosynthetic Clay Liner | | 138,400.00 | 2,076 | $31.58 | $65,560 | $0 | $55,360 | $0 | $0 | $120,920 |
| 00E1310 | LINE | U.C. per hr | 1 | 00E1310 | 34.75 | 68.68 | 0 | 0 | 0 | 103.43 |
| Grove RT522 20 tn Crane | | 40.00 | 40 | $34.75 | $1,390 | $2,747 | $0 | $0 | $0 | $4,137 |
| Subtotal WBS 9102.2.25 | | | | | $66,950 | $2,747 | $55,360 | $0 | $0 | $125,057 |
| Sales Tax | | | | | $0 | $0 | $2,768 | $0 | $0 | $2,768 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $46,103 | $1,892 | $40,028 | $0 | $0 | $88,023 |
| Escalation | | | | | $2,713 | $111 | $2,356 | $0 | $0 | $5,180 |
| Contingency | | | | | $9,261 | $380 | $8,041 | $0 | $0 | $17,682 |
| **-- Total WBS 9102.2.25** | | | **2,076** | | **$125,028** | **$5,130** | **$108,553** | **$0** | **$0** | **$238,711** |
| Subtotal CB6725 | | | | | $66,950 | $2,747 | $55,360 | $0 | $0 | $125,057 |
| Sales Tax | | | | | $0 | $0 | $2,768 | $0 | $0 | $2,768 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $46,103 | $1,892 | $40,028 | $0 | $0 | $88,023 |
| Escalation | | | | | $2,713 | $111 | $2,356 | $0 | $0 | $5,180 |
| Contingency | | | | | $9,261 | $380 | $8,041 | $0 | $0 | $17,682 |
| - Total CB6725 | | | 2,076 | | $125,028 | $5,130 | $108,553 | $0 | $0 | $238,711 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

# DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| - CB6750 | | | | | | | | | | |
| -- **WBS 9101.2.01** | | | | | | | | | | |
| | DIRT | U.C. per hr | 1 | CN-EQMD | 34.75 | 36.78 | 100 | 0 | 0 | 171.53 |
| Seed Area | | 40.00 | 40 | $34.75 | $1,390 | $1,471 | $4,000 | $0 | $0 | $6,861 |
| | DIRT | U.C. per hr | 1 | CN-EQMD | 34.75 | 36.78 | 20 | 0 | 0 | 91.53 |
| Spread Straw | | 40.00 | 40 | $34.75 | $1,390 | $1,471 | $800 | $0 | $0 | $3,661 |
| Subtotal WBS 9101.2.01 | | | | | $2,780 | $2,942 | $4,800 | $0 | $0 | $10,522 |
| Sales Tax | | | | | $0 | $0 | $240 | $0 | $0 | $240 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $1,481 | $1,568 | $2,686 | $0 | $0 | $5,735 |
| Escalation | | | | | $102 | $108 | $185 | $0 | $0 | $396 |
| Contingency | | | | | $349 | $369 | $633 | $0 | $0 | $1,351 |
| **-- Total WBS 9101.2.01** | | | **80** | | **$4,713** | **$4,988** | **$8,544** | **$0** | **$0** | **$18,245** |
| Subtotal CB6750 | | | | | $2,780 | $2,942 | $4,800 | $0 | $0 | $10,522 |
| Sales Tax | | | | | $0 | $0 | $240 | $0 | $0 | $240 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $1,481 | $1,568 | $2,686 | $0 | $0 | $5,735 |
| Escalation | | | | | $102 | $108 | $185 | $0 | $0 | $396 |
| Contingency | | | | | $349 | $369 | $633 | $0 | $0 | $1,351 |
| - Total CB6750 | | | 80 | | $4,713 | $4,988 | $8,544 | $0 | $0 | $18,245 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

## DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| - CB6751 | | | | | | | | | | |
| -- **WBS 9101.2.02** | | | | | | | | | | |
| | DIRT | U.C. per hr | 1 | CN-EQMD | 34.75 | 31.45 | 0 | 0 | 0 | 66.2 |
| Dump Truck w/ Teamster | | 40.00 | 40 | $34.75 | $1,390 | $1,258 | $0 | $0 | $0 | $2,648 |
| CN-LABR | DIRT | U.C. per hr | 4 | CN-LABR | 126.32 | 0 | 0 | 0 | 0 | 126.32 |
| Laborer | | 80.00 | 320 | $31.58 | $10,106 | $0 | $0 | $0 | $0 | $10,106 |
| Subtotal | WBS 9101.2.02 | | | | $11,496 | $1,258 | $0 | $0 | $0 | $12,754 |
| Sales Tax | | | | | $0 | $0 | $0 | $0 | $0 | $0 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $6,126 | $670 | $0 | $0 | $0 | $6,796 |
| Escalation | | | | | $423 | $46 | $0 | $0 | $0 | $469 |
| Contingency | | | | | $1,444 | $158 | $0 | $0 | $0 | $1,602 |
| **-- Total WBS 9101.2.02** | | | **360** | | **$19,488** | **$2,133** | **$0** | **$0** | **$0** | **$21,620** |
| Subtotal | CB6751 | | | | $11,496 | $1,258 | $0 | $0 | $0 | $12,754 |
| Sales Tax | | | | | $0 | $0 | $0 | $0 | $0 | $0 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $6,126 | $670 | $0 | $0 | $0 | $6,796 |
| Escalation | | | | | $423 | $46 | $0 | $0 | $0 | $469 |
| Contingency | | | | | $1,444 | $158 | $0 | $0 | $0 | $1,602 |
| - Total | CB6751 | | 360 | | $19,488 | $2,133 | $0 | $0 | $0 | $21,620 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

# DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| - CB6755 | | | | | | | | | | |
| -- **WBS 9102.3.06** | | | | | | | | | | |
| | DIRT | U.C. per hr | 1 | CN-EQMD | 34.75 | 28.68 | 0 | 0 | 0 | 63.43 |
| Foundation Excavation | | 10.00 | 10 | $34.75 | $348 | $287 | $0 | $0 | $0 | $634 |
| Subtotal WBS 9102.3.06 | | | | | $348 | $287 | $0 | $0 | $0 | $634 |
| Sales Tax | | | | | $0 | $0 | $0 | $0 | $0 | $0 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $185 | $153 | $0 | $0 | $0 | $338 |
| Escalation | | | | | $13 | $11 | $0 | $0 | $0 | $23 |
| Contingency | | | | | $44 | $36 | $0 | $0 | $0 | $80 |
| **-- Total WBS 9102.3.06** | | | **10** | | **$589** | **$486** | **$0** | **$0** | **$0** | **$1,075** |
| -- **WBS 9103.3.03** | | | | | | | | | | |
| | DIRT | U.C. per ea | 40 | CN-LABR | 1263.2 | 0 | 5000 | 0 | 0 | 6263.2 |
| Precast Manhole | | 1.00 | 40 | $31.58 | $1,263 | $0 | $5,000 | $0 | $0 | $6,263 |
| Subtotal WBS 9103.3.03 | | | | | $1,263 | $0 | $5,000 | $0 | $0 | $6,263 |
| Sales Tax | | | | | $0 | $0 | $250 | $0 | $0 | $250 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $673 | $0 | $2,798 | $0 | $0 | $3,471 |
| Escalation | | | | | $46 | $0 | $193 | $0 | $0 | $240 |
| Contingency | | | | | $238 | $0 | $989 | $0 | $0 | $1,227 |
| **-- Total WBS 9103.3.03** | | | **40** | | **$2,221** | **$0** | **$9,230** | **$0** | **$0** | **$11,450** |
| Subtotal CB6755 | | | | | $1,611 | $287 | $5,000 | $0 | $0 | $6,898 |
| Sales Tax | | | | | $0 | $0 | $250 | $0 | $0 | $250 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $858 | $153 | $2,798 | $0 | $0 | $3,809 |
| Escalation | | | | | $59 | $11 | $193 | $0 | $0 | $263 |
| Contingency | | | | | $282 | $36 | $989 | $0 | $0 | $1,306 |
| - Total CB6755 | | | 50 | | $2,810 | $486 | $9,230 | $0 | $0 | $12,526 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

# DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| - CBA6704 | | | | | | | | | | |
| -- **WBS 9102.2.01** | | | | | | | | | | |
| 00E0610 | DIRT | U.C. per hr | 1 | 00E0610 | 0 | 75.65 | 0 | 0 | 0 | 75.65 |
| Cat 815 Sheepsfoot | | 10.00 | 10 | | $0 | $757 | $0 | $0 | $0 | $757 |
| 00E0620 | DIRT | U.C. per hr | 1 | 00E0620 | 0 | 11.82 | 0 | 0 | 0 | 11.82 |
| Bowmag BW90 Compactor | | 10.00 | 10 | | $0 | $118 | $0 | $0 | $0 | $118 |
| 00E0912 | DIRT | U.C. per hr | 1 | 00E0912 | 0 | 65.87 | 0 | 0 | 0 | 65.87 |
| Cat 14 Grader | | 10.00 | 10 | | $0 | $659 | $0 | $0 | $0 | $659 |
| 00E0940 | DIRT | U.C. per hr | 1 | 00E0940 | 0 | 43.83 | 0 | 0 | 0 | 43.83 |
| Cat 950 4 cy Loader | | 10.00 | 10 | | $0 | $438 | $0 | $0 | $0 | $438 |
| 00E0962 | DIRT | U.C. per hr | 1 | 00E0962 | 0 | 86.72 | 0 | 0 | 0 | 86.72 |
| Cat D7 Dozer | | 10.00 | 10 | | $0 | $867 | $0 | $0 | $0 | $867 |
| CN-MGR | GEN | U.C. per ls | | CN-MGR | 0 | 0 | 0 | 0 | 10000 | 10000 |
| Manager | | 1.00 | 0 | | $0 | $0 | $0 | $0 | $10,000 | $10,000 |
| CN-ENG | GEN | U.C. per ls | | CN-ENG | 0 | 0 | 0 | 0 | 10000 | 10000 |
| Engineer | | 1.00 | 0 | | $0 | $0 | $0 | $0 | $10,000 | $10,000 |
| 00E1010 | DIRT | U.C. per hr | 1 | 00E1010 | 0 | 53.64 | 0 | 0 | 0 | 53.64 |
| Cat 320 1.25 cy Hoe | | 10.00 | 10 | | $0 | $536 | $0 | $0 | $0 | $536 |
| 00E1310 | DIRT | U.C. per hr | 1 | 00E1310 | 0 | 68.68 | 0 | 0 | 0 | 68.68 |
| Grove RT522 20 tn Crane | | 10.00 | 10 | | $0 | $687 | $0 | $0 | $0 | $687 |
| 00E1910 | DIRT | U.C. per hr | 6 | 00E1910 | 0 | 295.02 | 0 | 0 | 0 | 295.02 |
| 30 tn Bottom Dump Trk. | | 10.00 | 60 | | $0 | $2,950 | $0 | $0 | $0 | $2,950 |
| 00E2010 | DIRT | U.C. per hr | 4 | 00E2010 | 0 | 125.8 | 0 | 0 | 0 | 125.8 |
| 12 cy End Dump | | 10.00 | 40 | | $0 | $1,258 | $0 | $0 | $0 | $1,258 |
| 00E2050 | DIRT | U.C. per hr | 1 | 00E2050 | 0 | 31.38 | 0 | 0 | 0 | 31.38 |
| 4000 gal Water Truck | | 10.00 | 10 | | $0 | $314 | $0 | $0 | $0 | $314 |
| 00E2052 | DIRT | U.C. per hr | 1 | 00E2052 | 0 | 126.77 | 0 | 0 | 0 | 126.77 |
| 10000 gal Water Wagon | | 10.00 | 10 | | $0 | $1,268 | $0 | $0 | $0 | $1,268 |
| CN-EQMD | DIRT | U.C. per hr | 5 | CN-EQMD | 173.75 | 0 | 0 | 0 | 0 | 173.75 |
| Equipment Operators, Medium Equipment | | 40.00 | 200 | $34.75 | $6,950 | $0 | $0 | $0 | $0 | $6,950 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

## DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| CN-EQMM | DIRT | U.C. per hr | 1 | CN-EQMM | 34.75 | 0 | 0 | 0 | 0 | 34.75 |
| Equipment Operators, Master Mechanics | | 40.00 | 40 | $34.75 | $1,390 | $0 | $0 | $0 | $0 | $1,390 |
| Subtotal WBS 9102.2.01 | | | | | $8,340 | $9,852 | $0 | $0 | $20,000 | $38,192 |
| Sales Tax | | | | | $0 | $0 | $0 | $0 | $0 | $0 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $4,444 | $5,250 | $0 | $0 | $1,600 | $11,294 |
| Escalation | | | | | $307 | $362 | $0 | $0 | $518 | $1,188 |
| Contingency | | | | | $2,618 | $3,093 | $0 | $0 | $4,424 | $10,135 |
| **-- Total WBS 9102.2.01** | | | **240** | | **$15,709** | **$18,557** | **$0** | **$0** | **$26,542** | **$60,808** |
| Subtotal CBA6704 | | | | | $8,340 | $9,852 | $0 | $0 | $20,000 | $38,192 |
| Sales Tax | | | | | $0 | $0 | $0 | $0 | $0 | $0 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $4,444 | $5,250 | $0 | $0 | $1,600 | $11,294 |
| Escalation | | | | | $307 | $362 | $0 | $0 | $518 | $1,188 |
| Contingency | | | | | $2,618 | $3,093 | $0 | $0 | $4,424 | $10,135 |
| - Total CBA6704 | | | 240 | | $15,709 | $18,557 | $0 | $0 | $26,542 | $60,808 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

# DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| - CBA6708 | | | | | | | | | | |
| -- **WBS 9102.1.30** | | | | | | | | | | |
| | LINE | U.C. per sf | 0.015 | CN-LABR | 0.474 | 0 | 0.4 | 0 | 0 | 0.874 |
| Geosynthetic Clay Liner | | 364,400.00 | 5,466 | $31.58 | $172,616 | $0 | $145,760 | $0 | $0 | $318,376 |
| 00E1310 | LINE | U.C. per hr | 1 | 00E1310 | 34.75 | 68.68 | 0 | 0 | 0 | 103.43 |
| Grove RT522 20 tn Crane | | 120.00 | 120 | $34.75 | $4,170 | $8,242 | $0 | $0 | $0 | $12,412 |
| Subtotal WBS 9102.1.30 | | | | | $176,786 | $8,242 | $145,760 | $0 | $0 | $330,788 |
| Sales Tax | | | | | $0 | $0 | $7,288 | $0 | $0 | $7,288 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $121,739 | $5,675 | $105,392 | $0 | $0 | $232,807 |
| Escalation | | | | | $7,165 | $334 | $6,203 | $0 | $0 | $13,701 |
| Contingency | | | | | $24,455 | $1,140 | $21,171 | $0 | $0 | $46,767 |
| **-- Total WBS 9102.1.30** | | | **5,466** | | **$330,145** | **$15,391** | **$285,814** | **$0** | **$0** | **$631,351** |
| Subtotal CBA6708 | | | | | $176,786 | $8,242 | $145,760 | $0 | $0 | $330,788 |
| Sales Tax | | | | | $0 | $0 | $7,288 | $0 | $0 | $7,288 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $121,739 | $5,675 | $105,392 | $0 | $0 | $232,807 |
| Escalation | | | | | $7,165 | $334 | $6,203 | $0 | $0 | $13,701 |
| Contingency | | | | | $24,455 | $1,140 | $21,171 | $0 | $0 | $46,767 |
| - Total CBA6708 | | | 5,466 | | $330,145 | $15,391 | $285,814 | $0 | $0 | $631,351 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

## DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| - CBA6709 | | | | | | | | | | |
| -- **WBS 9102.1.20** | | | | | | | | | | |
| | LINE | U.C. per sf | 0.004 | CN-LABR | 0.126 | 0 | 0.3 | 0 | 0 | 0.426 |
| 60 mill HDPE | | 364,400.00 | 1,458 | $31.58 | $46,031 | $0 | $109,320 | $0 | $0 | $155,351 |
| Subtotal WBS 9102.1.20 | | | | | $46,031 | $0 | $109,320 | $0 | $0 | $155,351 |
| Sales Tax | | | | | $0 | $0 | $5,466 | $0 | $0 | $5,466 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $31,698 | $0 | $79,044 | $0 | $0 | $110,742 |
| Escalation | | | | | $1,865 | $0 | $4,652 | $0 | $0 | $6,517 |
| Contingency | | | | | $6,368 | $0 | $15,879 | $0 | $0 | $22,246 |
| **-- Total WBS 9102.1.20** | | | **1,458** | | **$85,962** | **$0** | **$214,361** | **$0** | **$0** | **$300,323** |
| Subtotal CBA6709 | | | | | $46,031 | $0 | $109,320 | $0 | $0 | $155,351 |
| Sales Tax | | | | | $0 | $0 | $5,466 | $0 | $0 | $5,466 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $31,698 | $0 | $79,044 | $0 | $0 | $110,742 |
| Escalation | | | | | $1,865 | $0 | $4,652 | $0 | $0 | $6,517 |
| Contingency | | | | | $6,368 | $0 | $15,879 | $0 | $0 | $22,246 |
| - Total CBA6709 | | | 1,458 | | $85,962 | $0 | $214,361 | $0 | $0 | $300,323 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

## DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| - CBA6710 | | | | | | | | | | |
| -- **WBS 9102.1.25** | | | | | | | | | | |
| | LINE | U.C. per sf | 0.004 | CN-LABR | 0.126 | 0 | 0.16 | 0 | 0 | 0.286 |
| 16 oz Geotex | | 364,400.00 | 1,458 | $31.58 | $46,031 | $0 | $58,304 | $0 | $0 | $104,335 |
| Subtotal WBS 9102.1.25 | | | | | $46,031 | $0 | $58,304 | $0 | $0 | $104,335 |
| Sales Tax | | | | | $0 | $0 | $2,915 | $0 | $0 | $2,915 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $31,698 | $0 | $42,157 | $0 | $0 | $73,855 |
| Escalation | | | | | $1,865 | $0 | $2,481 | $0 | $0 | $4,347 |
| Contingency | | | | | $6,368 | $0 | $8,469 | $0 | $0 | $14,836 |
| **-- Total WBS 9102.1.25** | | | **1,458** | | **$85,962** | **$0** | **$114,326** | **$0** | **$0** | **$200,288** |
| Subtotal CBA6710 | | | | | $46,031 | $0 | $58,304 | $0 | $0 | $104,335 |
| Sales Tax | | | | | $0 | $0 | $2,915 | $0 | $0 | $2,915 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $31,698 | $0 | $42,157 | $0 | $0 | $73,855 |
| Escalation | | | | | $1,865 | $0 | $2,481 | $0 | $0 | $4,347 |
| Contingency | | | | | $6,368 | $0 | $8,469 | $0 | $0 | $14,836 |
| - Total CBA6710 | | | 1,458 | | $85,962 | $0 | $114,326 | $0 | $0 | $200,288 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

## DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| - CBA6712 | | | | | | | | | | |
| -- **WBS 9102.1.10** | | | | | | | | | | |
| | DIRT | U.C. per hr | 1 | 00E0912 | 0 | 65.87 | 0 | 0 | 0 | 65.87 |
| Grader | | 120.00 | 120 | | $0 | $7,904 | $0 | $0 | $0 | $7,904 |
| 00E0612 | DIRT | U.C. per hr | 1 | 00E0612 | 0 | 101.35 | 0 | 0 | 0 | 101.35 |
| Cat 825 Sheepsfoot | | 120.00 | 120 | | $0 | $12,162 | $0 | $0 | $0 | $12,162 |
| 00E2052 | DIRT | U.C. per hr | 1 | 00E2052 | 0 | 126.77 | 0 | 0 | 0 | 126.77 |
| 10000 gal Water Wagon | | 120.00 | 120 | | $0 | $15,212 | $0 | $0 | $0 | $15,212 |
| | DIRT | U.C. per hr | 4 | CN-EQMD | 139 | 0 | 0 | 0 | 0 | 139 |
| Operators & Grade Checker | | 120.00 | 480 | $34.75 | $16,680 | $0 | $0 | $0 | $0 | $16,680 |
| | DIRT | U.C. per hr | 2 | CN-LABR | 63.16 | 0 | 0 | 0 | 0 | 63.16 |
| Labor | | 120.00 | 240 | $31.58 | $7,579 | $0 | $0 | $0 | $0 | $7,579 |
| Subtotal WBS 9102.1.10 | | | | | $24,259 | $35,279 | $0 | $0 | $0 | $59,538 |
| Sales Tax | | | | | $0 | $0 | $0 | $0 | $0 | $0 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $12,927 | $18,799 | $0 | $0 | $0 | $31,726 |
| Escalation | | | | | $892 | $1,298 | $0 | $0 | $0 | $2,190 |
| Contingency | | | | | $3,046 | $4,430 | $0 | $0 | $0 | $7,476 |
| **-- Total WBS 9102.1.10** | | | **720** | | **$41,125** | **$59,806** | **$0** | **$0** | **$0** | **$100,931** |
| -- **WBS 9102.1.15** | | | | | | | | | | |
| | DIRT | U.C. per tn | | | 244.26 | 308.45 | 82.05 | 0 | 0 | 634.76 |
| Mix 7% Bentonite with Soil | | 156.00 | 0 | | $38,105 | $48,118 | $12,800 | $0 | $0 | $99,023 |
| Subtotal WBS 9102.1.15 | | | | | $38,105 | $48,118 | $12,800 | $0 | $0 | $99,023 |
| Sales Tax | | | | | $0 | $0 | $640 | $0 | $0 | $640 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $20,305 | $25,641 | $7,162 | $0 | $0 | $53,108 |
| Escalation | | | | | $1,402 | $1,770 | $494 | $0 | $0 | $3,666 |
| Contingency | | | | | $4,785 | $6,042 | $1,688 | $0 | $0 | $12,515 |
| **-- Total WBS 9102.1.15** | | | | | **$64,596** | **$81,572** | **$22,784** | **$0** | **$0** | **$168,952** |
| -- **WBS 9102.1.16** | | | | | | | | | | |
| | DIRT | U.C. per cy | | | 1.3 | 1.93 | 0 | 0 | 0 | 3.23 |
| Load and Haul Clay | | 40,400.00 | 0 | | $52,520 | $77,972 | $0 | $0 | $0 | $130,492 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

## DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| | DIRT | U.C. per cy | | | 0.97 | 1.57 | 0 | 0 | 0 | 2.54 |
| Spread & Compact Clay | | 40,400.00 | 0 | | $39,188 | $63,428 | $0 | $0 | $0 | $102,616 |
| Subtotal WBS 9102.1.16 | | | | | $91,708 | $141,400 | $0 | $0 | $0 | $233,108 |
| Sales Tax | | | | | $0 | $0 | $0 | $0 | $0 | $0 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $48,869 | $75,349 | $0 | $0 | $0 | $124,218 |
| Escalation | | | | | $3,374 | $5,202 | $0 | $0 | $0 | $8,576 |
| Contingency | | | | | $11,516 | $17,756 | $0 | $0 | $0 | $29,272 |
| **-- Total WBS 9102.1.16** | | | | | **$155,467** | **$239,707** | **$0** | **$0** | **$0** | **$395,174** |
| Subtotal CBA6712 | | | | | $154,072 | $224,797 | $12,800 | $0 | $0 | $391,669 |
| Sales Tax | | | | | $0 | $0 | $640 | $0 | $0 | $640 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $82,101 | $119,789 | $7,162 | $0 | $0 | $209,052 |
| Escalation | | | | | $5,668 | $8,270 | $494 | $0 | $0 | $14,433 |
| Contingency | | | | | $19,347 | $28,228 | $1,688 | $0 | $0 | $49,263 |
| - Total CBA6712 | | | 720 | | $261,188 | $381,085 | $22,784 | $0 | $0 | $665,057 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

# DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| - CBA6714 | | | | | | | | | | |
| -- **WBS 9102.1.45** | | | | | | | | | | |
| | DIRT | U.C. per cy | | | 2.48 | 0.55 | 15 | 0 | 0 | 18.03 |
| Spread Drain Rock | | 6,400.00 | 0 | | $15,872 | $3,520 | $96,000 | $0 | $0 | $115,392 |
| Subtotal WBS 9102.1.45 | | | | | $15,872 | $3,520 | $96,000 | $0 | $0 | $115,392 |
| Sales Tax | | | | | $0 | $0 | $4,800 | $0 | $0 | $4,800 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $8,458 | $1,876 | $53,714 | $0 | $0 | $64,047 |
| Escalation | | | | | $584 | $129 | $3,708 | $0 | $0 | $4,422 |
| Contingency | | | | | $1,993 | $442 | $12,658 | $0 | $0 | $15,093 |
| **-- Total WBS 9102.1.45** | | | | | **$26,907** | **$5,967** | **$170,880** | **$0** | **$0** | **$203,754** |
| Subtotal CBA6714 | | | | | $15,872 | $3,520 | $96,000 | $0 | $0 | $115,392 |
| Sales Tax | | | | | $0 | $0 | $4,800 | $0 | $0 | $4,800 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $8,458 | $1,876 | $53,714 | $0 | $0 | $64,047 |
| Escalation | | | | | $584 | $129 | $3,708 | $0 | $0 | $4,422 |
| Contingency | | | | | $1,993 | $442 | $12,658 | $0 | $0 | $15,093 |
| - Total CBA6714 | | | | | $26,907 | $5,967 | $170,880 | $0 | $0 | $203,754 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

## DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| - CBA6716 | | | | | | | | | | |
| -- **WBS 9115.1.01** | | | | | | | | | | |
| | PIPE | U.C. per lf | 0.15 | CN-PIPE | 5.9 | 0 | 4.55 | 0 | 0 | 10.45 |
| 8" HDPE | | 1,200.00 | 180 | $39.33 | $7,079 | $0 | $5,460 | $0 | $0 | $12,539 |
| | PIPE | U.C. per lf | 0.25 | CN-PIPE | 9.833 | 0 | 15.65 | 0 | 0 | 25.483 |
| 16 HDPE | | 800.00 | 200 | $39.33 | $7,866 | $0 | $12,520 | $0 | $0 | $20,386 |
| | PIPE | U.C. per ea | 3 | CN-PIPE | 117.99 | 0 | 475 | 0 | 0 | 592.99 |
| 16" Tee | | 6.00 | 18 | $39.33 | $708 | $0 | $2,850 | $0 | $0 | $3,558 |
| | PIPE | U.C. per mo | | | 0 | 5000 | 0 | 0 | 0 | 5000 |
| HDPE Machine | | 2.00 | 0 | | $0 | $10,000 | $0 | $0 | $0 | $10,000 |
| Subtotal WBS 9115.1.01 | | | | | $15,653 | $10,000 | $20,830 | $0 | $0 | $46,483 |
| Sales Tax | | | | | $0 | $0 | $1,042 | $0 | $0 | $1,042 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $9,385 | $5,995 | $13,112 | $0 | $0 | $28,492 |
| Escalation | | | | | $601 | $384 | $840 | $0 | $0 | $1,824 |
| Contingency | | | | | $2,051 | $1,310 | $2,866 | $0 | $0 | $6,227 |
| **-- Total WBS 9115.1.01** | | | **398** | | **$27,690** | **$17,689** | **$38,689** | **$0** | **$0** | **$84,069** |
| Subtotal CBA6716 | | | | | $15,653 | $10,000 | $20,830 | $0 | $0 | $46,483 |
| Sales Tax | | | | | $0 | $0 | $1,042 | $0 | $0 | $1,042 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $9,385 | $5,995 | $13,112 | $0 | $0 | $28,492 |
| Escalation | | | | | $601 | $384 | $840 | $0 | $0 | $1,824 |
| Contingency | | | | | $2,051 | $1,310 | $2,866 | $0 | $0 | $6,227 |
| - Total CBA6716 | | | 398 | | $27,690 | $17,689 | $38,689 | $0 | $0 | $84,069 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

## DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| - CBA6717 | | | | | | | | | | |
| -- **WBS 9102.1.50** | | | | | | | | | | |
| | *LINE* | *U.C. per sf* | *0.004* | CN-LABR | 0.126 | 0 | 0.16 | 0 | 0 | 0.286 |
| 16 oz Geotex | | 364,400.00 | 1,458 | $31.58 | $46,031 | $0 | $58,304 | $0 | $0 | $104,335 |
| Subtotal WBS 9102.1.50 | | | | | $46,031 | $0 | $58,304 | $0 | $0 | $104,335 |
| Sales Tax | | | | | $0 | $0 | $2,915 | $0 | $0 | $2,915 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $31,698 | $0 | $42,157 | $0 | $0 | $73,855 |
| Escalation | | | | | $1,865 | $0 | $2,481 | $0 | $0 | $4,347 |
| Contingency | | | | | $6,368 | $0 | $8,469 | $0 | $0 | $14,836 |
| **-- Total WBS 9102.1.50** | | | **1,458** | | **$85,962** | **$0** | **$114,326** | **$0** | **$0** | **$200,288** |
| -- **WBS 9102.1.55** | | | | | | | | | | |
| | DIRT | U.C. per cy | | | 0.66 | 0.94 | 0 | 0 | 0 | 1.6 |
| Load and Haul Material | | 38,500.00 | 0 | | $25,410 | $36,190 | $0 | $0 | $0 | $61,600 |
| | DIRT | U.C. per cy | | | 1.01 | 1.2 | 0 | 0 | 0 | 2.21 |
| Spread and Compact | | 38,500.00 | 0 | | $38,885 | $46,200 | $0 | $0 | $0 | $85,085 |
| Subtotal WBS 9102.1.55 | | | | | $64,295 | $82,390 | $0 | $0 | $0 | $146,685 |
| Sales Tax | | | | | $0 | $0 | $0 | $0 | $0 | $0 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $34,261 | $43,904 | $0 | $0 | $0 | $78,165 |
| Escalation | | | | | $2,365 | $3,031 | $0 | $0 | $0 | $5,396 |
| Contingency | | | | | $8,074 | $10,346 | $0 | $0 | $0 | $18,420 |
| **-- Total WBS 9102.1.55** | | | | | **$108,995** | **$139,671** | **$0** | **$0** | **$0** | **$248,666** |
| Subtotal CBA6717 | | | | | $110,326 | $82,390 | $58,304 | $0 | $0 | $251,020 |
| Sales Tax | | | | | $0 | $0 | $2,915 | $0 | $0 | $2,915 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $65,959 | $43,904 | $42,157 | $0 | $0 | $152,020 |
| Escalation | | | | | $4,231 | $3,031 | $2,481 | $0 | $0 | $9,743 |
| Contingency | | | | | $14,441 | $10,346 | $8,469 | $0 | $0 | $33,256 |
| - Total CBA6717 | | | 1,458 | | $194,957 | $139,671 | $114,326 | $0 | $0 | $448,954 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

# DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| - CBA6718 | | | | | | | | | | |
| -- **WBS 9102.1.03** | | | | | | | | | | |
| | DIRT | U.C. per hr | 1 | CN-EQMD | 34.75 | 28.68 | 0 | 0 | 0 | 63.43 |
| Foundation Excavation | | 10.00 | 10 | $34.75 | $348 | $287 | $0 | $0 | $0 | $634 |
| Subtotal WBS 9102.1.03 | | | | | $348 | $287 | $0 | $0 | $0 | $634 |
| Sales Tax | | | | | $0 | $0 | $0 | $0 | $0 | $0 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $185 | $153 | $0 | $0 | $0 | $338 |
| Escalation | | | | | $13 | $11 | $0 | $0 | $0 | $23 |
| Contingency | | | | | $44 | $36 | $0 | $0 | $0 | $80 |
| **-- Total WBS 9102.1.03** | | | **10** | | **$589** | **$486** | **$0** | **$0** | **$0** | **$1,075** |
| -- **WBS 9103.1.01** | | | | | | | | | | |
| | CONC | U.C. per hr | 2 | CN-LABR | 63.16 | 0 | 0 | 0 | 0 | 63.16 |
| Fine Grade | | 10.00 | 20 | $31.58 | $632 | $0 | $0 | $0 | $0 | $632 |
| | CONC | U.C. per sf | 0.25 | CN-CARP | 8.953 | 1.5 | 0 | 0 | 0 | 10.453 |
| Form Foundation | | 205.00 | 51 | $35.81 | $1,835 | $308 | $0 | $0 | $0 | $2,143 |
| | CONC | U.C. per lb | 0.03 | CN-IRON | 1.305 | 0 | 0.35 | 0 | 0 | 1.655 |
| Place Rebar | | 2,300.00 | 69 | $43.50 | $3,002 | $0 | $805 | $0 | $0 | $3,807 |
| | CONC | U.C. per cy | 3 | CN-LABR | 94.74 | 0 | 80 | 0 | 0 | 174.74 |
| Place, Finish & Cure Conc | | 23.00 | 69 | $31.58 | $2,179 | $0 | $1,840 | $0 | $0 | $4,019 |
| Subtotal WBS 9103.1.01 | | | | | $7,647 | $308 | $2,645 | $0 | $0 | $10,600 |
| Sales Tax | | | | | $0 | $0 | $132 | $0 | $0 | $132 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $4,292 | $173 | $1,559 | $0 | $0 | $6,024 |
| Escalation | | | | | $287 | $12 | $104 | $0 | $0 | $402 |
| Contingency | | | | | $1,467 | $59 | $533 | $0 | $0 | $2,059 |
| **-- Total WBS 9103.1.01** | | | **209** | | **$13,693** | **$551** | **$4,973** | **$0** | **$0** | **$19,217** |
| -- **WBS 9109.1.01** | | | | | | | | | | |
| | CONC | U.C. per sf | 0.025 | CN-PORD | 0.79 | 0 | 0.8 | 0 | 0 | 1.59 |
| special coating | | 230.00 | 6 | $31.59 | $182 | $0 | $184 | $0 | $0 | $366 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

# DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| Subtotal WBS 9109.1.01 | | | | | $182 | $0 | $184 | $0 | $0 | $366 |
| Sales Tax | | | | | $0 | $0 | $9 | $0 | $0 | $9 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $102 | $0 | $108 | $0 | $0 | $210 |
| Escalation | | | | | $7 | $0 | $7 | $0 | $0 | $14 |
| Contingency | | | | | $44 | $0 | $46 | $0 | $0 | $90 |
| **-- Total WBS 9109.1.01** | | | **6** | | **$334** | **$0** | **$355** | **$0** | **$0** | **$689** |
| **-- WBS 9113.01** | | | | | | | | | | |
| | STEEL | U.C. per sf | 0.4 | CN-IRON | 17.4 | 0 | 30 | 0 | 0 | 47.4 |
| Metal Building | | 210.00 | 84 | $43.50 | $3,654 | $0 | $6,300 | $0 | $0 | $9,954 |
| Subtotal WBS 9113.01 | | | | | $3,654 | $0 | $6,300 | $0 | $0 | $9,954 |
| Sales Tax | | | | | $0 | $0 | $315 | $0 | $0 | $315 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $1,947 | $0 | $3,525 | $0 | $0 | $5,472 |
| Escalation | | | | | $134 | $0 | $243 | $0 | $0 | $378 |
| Contingency | | | | | $860 | $0 | $1,558 | $0 | $0 | $2,418 |
| **-- Total WBS 9113.01** | | | **84** | | **$6,596** | **$0** | **$11,941** | **$0** | **$0** | **$18,537** |
| **-- WBS 9115.1.02** | | | | | | | | | | |
| | PIPE | U.C. per ea | 1 | CN-PIPE | 39.33 | 0 | 15.9 | 0 | 0 | 55.23 |
| 4" Pipe/Fittings | | 150.00 | 150 | $39.33 | $5,900 | $0 | $2,385 | $0 | $0 | $8,285 |
| | PIPE | U.C. per ea | 3 | CN-PIPE | 117.99 | 0 | 700 | 0 | 0 | 817.99 |
| 4" Ball Valve | | 4.00 | 12 | $39.33 | $472 | $0 | $2,800 | $0 | $0 | $3,272 |
| | PIPE | U.C. per ea | 5 | CN-PIPE | 196.65 | 0 | 1720 | 0 | 0 | 1916.65 |
| 4" Flow Meter | | 3.00 | 15 | $39.33 | $590 | $0 | $5,160 | $0 | $0 | $5,750 |
| | PIPE | U.C. per ea | 2 | CN-PIPE | 78.66 | 0 | 500 | 0 | 0 | 578.66 |
| Flow Totalizer | | 3.00 | 6 | $39.33 | $236 | $0 | $1,500 | $0 | $0 | $1,736 |
| | PIPE | U.C. per ea | 8 | CN-PIPE | 314.64 | 0 | 2000 | 0 | 0 | 2314.64 |
| 4" Vac Relief Valve | | 6.00 | 48 | $39.33 | $1,888 | $0 | $12,000 | $0 | $0 | $13,888 |
| | PIPE | U.C. per ea | 3 | CN-PIPE | 117.99 | 0 | 400 | 0 | 0 | 517.99 |
| 4" Butterfly Valve | | 1.00 | 3 | $39.33 | $118 | $0 | $400 | $0 | $0 | $518 |
| | PIPE | U.C. per ea | 3 | CN-PIPE | 117.99 | 0 | 660 | 0 | 0 | 777.99 |
| 4" Check Valve | | 3.00 | 9 | $39.33 | $354 | $0 | $1,980 | $0 | $0 | $2,334 |
| | PIPE | U.C. per ea | 2 | CN-PIPE | 78.66 | 0 | 40 | 0 | 0 | 118.66 |
| 1/2" Ball Valve | | 4.00 | 8 | $39.33 | $315 | $0 | $160 | $0 | $0 | $475 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

## DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| | PIPE | U.C. per ea | 20 | CN-PIPE | 786.6 | 0 | 5000 | 0 | 0 | 5786.6 |
| 4" Subersable Pump | | 3.00 | 60 | $39.33 | $2,360 | $0 | $15,000 | $0 | $0 | $17,360 |
| Subtotal WBS 9115.1.02 | | | | | $12,232 | $0 | $41,385 | $0 | $0 | $53,617 |
| Sales Tax | | | | | $0 | $0 | $2,069 | $0 | $0 | $2,069 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $7,333 | $0 | $26,052 | $0 | $0 | $33,385 |
| Escalation | | | | | $470 | $0 | $1,668 | $0 | $0 | $2,138 |
| Contingency | | | | | $1,603 | $0 | $5,694 | $0 | $0 | $7,297 |
| **-- Total WBS 9115.1.02** | | | **311** | | **$21,637** | **$0** | **$76,868** | **$0** | **$0** | **$98,505** |
| **-- WBS 9116.1.01** | | | | | | | | | | |
| | ELEC | U.C. per Ea | 12 | CN-ELEC | 430.68 | 0 | 4500 | 0 | 0 | 4930.68 |
| Motor Control Center, MCC-Tx, 1 section | | 1.00 | 12 | $35.89 | $431 | $0 | $4,500 | $0 | $0 | $4,931 |
| | ELEC | U.C. per Ea | 3 | CN-ELEC | 107.67 | 0 | 780 | 0 | 0 | 887.67 |
| 15 kVA Transformer, 480/108-120 | | 1.00 | 3 | $35.89 | $108 | $0 | $780 | $0 | $0 | $888 |
| | ELEC | U.C. per Ea | 3 | CN-ELEC | 107.67 | 0 | 750 | 0 | 0 | 857.67 |
| 100 amp Lighting panel | | 1.00 | 3 | $35.89 | $108 | $0 | $750 | $0 | $0 | $858 |
| | ELEC | U.C. per Ea | 1 | CN-ELEC | 35.89 | 0 | 300 | 0 | 0 | 335.89 |
| Secondary pump level controller | | 2.00 | 2 | $35.89 | $72 | $0 | $600 | $0 | $0 | $672 |
| | ELEC | U.C. per Ea | 1 | CN-ELEC | 35.89 | 0 | 286 | 0 | 0 | 321.89 |
| 30 amp Nema 1 disconnect | | 3.00 | 3 | $35.89 | $108 | $0 | $858 | $0 | $0 | $966 |
| | ELEC | U.C. per Ea | 4 | CN-ELEC | 143.56 | 0 | 2500 | 0 | 0 | 2643.56 |
| Pump control panel | | 1.00 | 4 | $35.89 | $144 | $0 | $2,500 | $0 | $0 | $2,644 |
| Subtotal WBS 9116.1.01 | | | | | $969 | $0 | $9,988 | $0 | $0 | $10,957 |
| Sales Tax | | | | | $0 | $0 | $499 | $0 | $0 | $499 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $516 | $0 | $5,588 | $0 | $0 | $6,105 |
| Escalation | | | | | $36 | $0 | $386 | $0 | $0 | $421 |
| Contingency | | | | | $183 | $0 | $1,975 | $0 | $0 | $2,158 |
| **-- Total WBS 9116.1.01** | | | **27** | | **$1,704** | **$0** | **$18,437** | **$0** | **$0** | **$20,141** |
| **-- WBS 9116.1.02** | | | | | | | | | | |
| | ELEC | U.C. per Ea | 0.75 | CN-ELEC | 26.918 | 0 | 125 | 0 | 0 | 151.918 |
| 100 watt HID Wall Pack | | 1.00 | 1 | $35.89 | $27 | $0 | $125 | $0 | $0 | $152 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

# DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| Assume interior light, 2 lamp 4' wrap around | ELEC | U.C. per Ea | 0.75 | CN-ELEC | 26.918 | 0 | 75 | 0 | 0 | 101.918 |
| | | 2.00 | 2 | $35.89 | $54 | $0 | $150 | $0 | $0 | $204 |
| Subtotal WBS 9116.1.02 | | | | | $81 | $0 | $275 | $0 | $0 | $356 |
| Sales Tax | | | | | $0 | $0 | $14 | $0 | $0 | $14 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $43 | $0 | $154 | $0 | $0 | $197 |
| Escalation | | | | | $3 | $0 | $11 | $0 | $0 | $14 |
| Contingency | | | | | $15 | $0 | $54 | $0 | $0 | $70 |
| **-- Total WBS 9116.1.02** | | | **2** | | **$142** | **$0** | **$508** | **$0** | **$0** | **$650** |
| **-- WBS 9116.1.04** | | | | | | | | | | |
| 1" conduit with fittings and supports | ELEC | U.C. per Lf | 0.008 | CN-ELEC | 0.287 | 0 | 1.25 | 0 | 0 | 1.537 |
| | | 70.00 | 1 | $35.89 | $20 | $0 | $88 | $0 | $0 | $108 |
| 3/4" conduit with fittings and supports | ELEC | U.C. per Lf | 0.007 | CN-ELEC | 0.251 | 0 | 0.8 | 0 | 0 | 1.051 |
| | | 150.00 | 1 | $35.89 | $38 | $0 | $120 | $0 | $0 | $158 |
| Control wiring | ELEC | U.C. per Ls | 4 | CN-ELEC | 143.56 | 0 | 150 | 0 | 0 | 293.56 |
| | | 1.00 | 4 | $35.89 | $144 | $0 | $150 | $0 | $0 | $294 |
| 2/c #16 wire | ELEC | U.C. per Lf | 0.01 | CN-ELEC | 0.359 | 0 | 0.2 | 0 | 0 | 0.559 |
| | | 100.00 | 1 | $35.89 | $36 | $0 | $20 | $0 | $0 | $56 |
| 2/c #16 shielded wire | ELEC | U.C. per Lf | 0.01 | CN-ELEC | 0.359 | 0 | 0.25 | 0 | 0 | 0.609 |
| | | 150.00 | 2 | $35.89 | $54 | $0 | $38 | $0 | $0 | $91 |
| #14 wire | ELEC | U.C. per Lf | 0.007 | CN-ELEC | 0.251 | 0 | 0.05 | 0 | 0 | 0.301 |
| | | 250.00 | 2 | $35.89 | $63 | $0 | $13 | $0 | $0 | $75 |
| #12 wire | ELEC | U.C. per Lf | 0.008 | CN-ELEC | 0.287 | 0 | 0.06 | 0 | 0 | 0.347 |
| | | 750.00 | 6 | $35.89 | $215 | $0 | $45 | $0 | $0 | $260 |
| Misc. Junction boxes | ELEC | U.C. per Ls | 4 | CN-ELEC | 143.56 | 0 | 125 | 0 | 0 | 268.56 |
| | | 1.00 | 4 | $35.89 | $144 | $0 | $125 | $0 | $0 | $269 |
| Conduit and wire labels | ELEC | U.C. per Ls | 1 | CN-ELEC | 35.89 | 0 | 50 | 0 | 0 | 85.89 |
| | | 1.00 | 1 | $35.89 | $36 | $0 | $50 | $0 | $0 | $86 |
| Subtotal WBS 9116.1.04 | | | | | $749 | $0 | $648 | $0 | $0 | $1,396 |
| Sales Tax | | | | | $0 | $0 | $32 | $0 | $0 | $32 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $399 | $0 | $362 | $0 | $0 | $761 |
| Escalation | | | | | $28 | $0 | $25 | $0 | $0 | $53 |
| Contingency | | | | | $141 | $0 | $128 | $0 | $0 | $269 |
| **-- Total WBS 9116.1.04** | | | **21** | | **$1,316** | **$0** | **$1,195** | **$0** | **$0** | **$2,511** |

***INEEL***
*Note: Total Excludes PF, G&A, and OPC
10/16/2001

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

# DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| **-- WBS 9116.1.05** | | | | | | | | | | |
| | ELEC | U.C. per Ls | 8 | CN-ELEC | 287.12 | 0 | 0 | 0 | 0 | 287.12 |
| Testing of systems and equipemnt | | 1.00 | 8 | $35.89 | $287 | $0 | $0 | $0 | $0 | $287 |
| Subtotal WBS 9116.1.05 | | | | | $287 | $0 | $0 | $0 | $0 | $287 |
| Sales Tax | | | | | $0 | $0 | $0 | $0 | $0 | $0 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $153 | $0 | $0 | $0 | $0 | $153 |
| Escalation | | | | | $11 | $0 | $0 | $0 | $0 | $11 |
| Contingency | | | | | $54 | $0 | $0 | $0 | $0 | $54 |
| **-- Total WBS 9116.1.05** | | | **8** | | **$505** | **$0** | **$0** | **$0** | **$0** | **$505** |
| **-- WBS 91160.1.03** | | | | | | | | | | |
| | ELEC | U.C. per Ea | 1 | CN-ELEC | 35.89 | 0 | 575 | 0 | 0 | 610.89 |
| 1/2 HP Exhaust fan | | 1.00 | 1 | $35.89 | $36 | $0 | $575 | $0 | $0 | $611 |
| | ELEC | U.C. per Ea | 1.5 | CN-ELEC | 53.835 | 0 | 229 | 0 | 0 | 282.835 |
| 3 kW Unit Heater | | 1.00 | 2 | $35.89 | $54 | $0 | $229 | $0 | $0 | $283 |
| Subtotal WBS 91160.1.03 | | | | | $90 | $0 | $804 | $0 | $0 | $894 |
| Sales Tax | | | | | $0 | $0 | $40 | $0 | $0 | $40 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $48 | $0 | $450 | $0 | $0 | $498 |
| Escalation | | | | | $3 | $0 | $31 | $0 | $0 | $34 |
| Contingency | | | | | $17 | $0 | $159 | $0 | $0 | $176 |
| **-- Total WBS 91160.1.03** | | | **3** | | **$158** | **$0** | **$1,484** | **$0** | **$0** | **$1,642** |
| Subtotal CBA6718 | | | | | $26,237 | $594 | $62,229 | $0 | $0 | $89,060 |
| Sales Tax | | | | | $0 | $0 | $3,111 | $0 | $0 | $3,111 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $15,019 | $325 | $37,799 | $0 | $0 | $53,143 |
| Escalation | | | | | $990 | $22 | $2,475 | $0 | $0 | $3,488 |
| Contingency | | | | | $4,427 | $95 | $10,147 | $0 | $0 | $14,670 |
| - Total CBA6718 | | | 681 | | $46,673 | $1,037 | $115,761 | $0 | $0 | $163,472 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

## DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| - CBA6723 | | | | | | | | | | |
| -- **WBS 9102.2.15** | | | | | | | | | | |
| LINE | | U.C. per sf | 0.004 | CN-LABR | 0.126 | 0 | 0.3 | 0 | 0 | 0.426 |
| 60 mill HDPE | | 138,400.00 | 554 | $31.58 | $17,483 | $0 | $41,520 | $0 | $0 | $59,003 |
| Subtotal WBS 9102.2.15 | | | | | $17,483 | $0 | $41,520 | $0 | $0 | $59,003 |
| Sales Tax | | | | | $0 | $0 | $2,076 | $0 | $0 | $2,076 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $12,039 | $0 | $30,021 | $0 | $0 | $42,060 |
| Escalation | | | | | $709 | $0 | $1,767 | $0 | $0 | $2,475 |
| Contingency | | | | | $2,418 | $0 | $6,031 | $0 | $0 | $8,449 |
| **-- Total WBS 9102.2.15** | | | **554** | | **$32,649** | **$0** | **$81,415** | **$0** | **$0** | **$114,063** |
| Subtotal CBA6723 | | | | | $17,483 | $0 | $41,520 | $0 | $0 | $59,003 |
| Sales Tax | | | | | $0 | $0 | $2,076 | $0 | $0 | $2,076 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $12,039 | $0 | $30,021 | $0 | $0 | $42,060 |
| Escalation | | | | | $709 | $0 | $1,767 | $0 | $0 | $2,475 |
| Contingency | | | | | $2,418 | $0 | $6,031 | $0 | $0 | $8,449 |
| - Total CBA6723 | | | 554 | | $32,649 | $0 | $81,415 | $0 | $0 | $114,063 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

## DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| - CBA6724 | | | | | | | | | | |
| -- **WBS 9102.2.20** | | | | | | | | | | |
| | LINE | U.C. per sf | 0.004 | CN-LABR | 0.126 | 0 | 0.16 | 0 | 0 | 0.286 |
| 16 oz Geotex | | 138,400.00 | 554 | $31.58 | $17,483 | $0 | $22,144 | $0 | $0 | $39,627 |
| Subtotal WBS 9102.2.20 | | | | | $17,483 | $0 | $22,144 | $0 | $0 | $39,627 |
| Sales Tax | | | | | $0 | $0 | $1,107 | $0 | $0 | $1,107 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $12,039 | $0 | $16,011 | $0 | $0 | $28,050 |
| Escalation | | | | | $709 | $0 | $942 | $0 | $0 | $1,651 |
| Contingency | | | | | $2,418 | $0 | $3,216 | $0 | $0 | $5,635 |
| **-- Total WBS 9102.2.20** | | | **554** | | **$32,649** | **$0** | **$43,421** | **$0** | **$0** | **$76,070** |
| -- **WBS 9102.2.30** | | | | | | | | | | |
| | LINE | U.C. per sf | 0.004 | CN-LABR | 0.126 | 0 | 0.16 | 0 | 0 | 0.286 |
| 16 oz Geotex | | 138,400.00 | 554 | $31.58 | $17,483 | $0 | $22,144 | $0 | $0 | $39,627 |
| Subtotal WBS 9102.2.30 | | | | | $17,483 | $0 | $22,144 | $0 | $0 | $39,627 |
| Sales Tax | | | | | $0 | $0 | $1,107 | $0 | $0 | $1,107 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $12,039 | $0 | $16,011 | $0 | $0 | $28,050 |
| Escalation | | | | | $709 | $0 | $942 | $0 | $0 | $1,651 |
| Contingency | | | | | $2,418 | $0 | $3,216 | $0 | $0 | $5,635 |
| **-- Total WBS 9102.2.30** | | | **554** | | **$32,649** | **$0** | **$43,421** | **$0** | **$0** | **$76,070** |
| Subtotal CBA6724 | | | | | $34,965 | $0 | $44,288 | $0 | $0 | $79,253 |
| Sales Tax | | | | | $0 | $0 | $2,214 | $0 | $0 | $2,214 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $24,078 | $0 | $32,023 | $0 | $0 | $56,101 |
| Escalation | | | | | $1,417 | $0 | $1,885 | $0 | $0 | $3,302 |
| Contingency | | | | | $4,837 | $0 | $6,433 | $0 | $0 | $11,270 |
| - Total CBA6724 | | | 1,107 | | $65,297 | $0 | $86,842 | $0 | $0 | $152,140 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

## DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| - CBA6725 | | | | | | | | | | |
| -- **WBS 9102.2.01** | | | | | | | | | | |
| | DIRT | U.C. per hr | 1 | CN-EQMD | 34.75 | 28.68 | 0 | 0 | 0 | 63.43 |
| Foundation Excavation | | 10.00 | 10 | $34.75 | $348 | $287 | $0 | $0 | $0 | $634 |
| Subtotal WBS 9102.2.01 | | | | | $348 | $287 | $0 | $0 | $0 | $634 |
| Sales Tax | | | | | $0 | $0 | $0 | $0 | $0 | $0 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $185 | $153 | $0 | $0 | $0 | $338 |
| Escalation | | | | | $13 | $11 | $0 | $0 | $0 | $23 |
| Contingency | | | | | $44 | $36 | $0 | $0 | $0 | $80 |
| **-- Total WBS 9102.2.01** | | | **10** | | **$589** | **$486** | **$0** | **$0** | **$0** | **$1,075** |
| -- **WBS 9103.2.01** | | | | | | | | | | |
| | CONC | U.C. per hr | 2 | CN-LABR | 63.16 | 0 | 0 | 0 | 0 | 63.16 |
| Fine Grade | | 10.00 | 20 | $31.58 | $632 | $0 | $0 | $0 | $0 | $632 |
| | CONC | U.C. per sf | 0.25 | CN-CARP | 8.953 | 1.5 | 0 | 0 | 0 | 10.453 |
| Form Foundation | | 205.00 | 51 | $35.81 | $1,835 | $308 | $0 | $0 | $0 | $2,143 |
| | CONC | U.C. per lb | 0.03 | CN-IRON | 1.305 | 0 | 0.35 | 0 | 0 | 1.655 |
| Place Rebar | | 2,300.00 | 69 | $43.50 | $3,002 | $0 | $805 | $0 | $0 | $3,807 |
| | CONC | U.C. per cy | 3 | CN-LABR | 94.74 | 0 | 80 | 0 | 0 | 174.74 |
| Place, Finish & Cure Conc | | 23.00 | 69 | $31.58 | $2,179 | $0 | $1,840 | $0 | $0 | $4,019 |
| Subtotal WBS 9103.2.01 | | | | | $7,647 | $308 | $2,645 | $0 | $0 | $10,600 |
| Sales Tax | | | | | $0 | $0 | $132 | $0 | $0 | $132 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $4,292 | $173 | $1,559 | $0 | $0 | $6,024 |
| Escalation | | | | | $287 | $12 | $104 | $0 | $0 | $402 |
| Contingency | | | | | $1,467 | $59 | $533 | $0 | $0 | $2,059 |
| **-- Total WBS 9103.2.01** | | | **209** | | **$13,693** | **$551** | **$4,973** | **$0** | **$0** | **$19,217** |
| -- **WBS 9109.2.01** | | | | | | | | | | |
| | CONC | U.C. per sf | 0.025 | CN-PORD | 0.79 | 0 | 0.8 | 0 | 0 | 1.59 |
| special coating | | 230.00 | 6 | $31.59 | $182 | $0 | $184 | $0 | $0 | $366 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

## DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| Subtotal WBS 9109.2.01 | | | | | $182 | $0 | $184 | $0 | $0 | $366 |
| Sales Tax | | | | | $0 | $0 | $9 | $0 | $0 | $9 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $102 | $0 | $108 | $0 | $0 | $210 |
| Escalation | | | | | $7 | $0 | $7 | $0 | $0 | $14 |
| Contingency | | | | | $44 | $0 | $46 | $0 | $0 | $90 |
| **-- Total WBS 9109.2.01** | | | **6** | | **$334** | **$0** | **$355** | **$0** | **$0** | **$689** |
| **-- WBS 9113.2.01** | | | | | | | | | | |
| | STEEL | U.C. per sf | 0.4 | CN-IRON | 17.4 | 0 | 30 | 0 | 0 | 47.4 |
| Metal Building | | 210.00 | 84 | $43.50 | $3,654 | $0 | $6,300 | $0 | $0 | $9,954 |
| Subtotal WBS 9113.2.01 | | | | | $3,654 | $0 | $6,300 | $0 | $0 | $9,954 |
| Sales Tax | | | | | $0 | $0 | $315 | $0 | $0 | $315 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $1,947 | $0 | $3,525 | $0 | $0 | $5,472 |
| Escalation | | | | | $134 | $0 | $243 | $0 | $0 | $378 |
| Contingency | | | | | $860 | $0 | $1,558 | $0 | $0 | $2,418 |
| **-- Total WBS 9113.2.01** | | | **84** | | **$6,596** | **$0** | **$11,941** | **$0** | **$0** | **$18,537** |
| **-- WBS 9115.2.01** | | | | | | | | | | |
| | PIPE | U.C. per ea | 1 | CN-PIPE | 39.33 | 0 | 15.9 | 0 | 0 | 55.23 |
| 4" Pipe/Fittings | | 100.00 | 100 | $39.33 | $3,933 | $0 | $1,590 | $0 | $0 | $5,523 |
| | PIPE | U.C. per ea | 3 | CN-PIPE | 117.99 | 0 | 700 | 0 | 0 | 817.99 |
| 4" Ball Valve | | 2.00 | 6 | $39.33 | $236 | $0 | $1,400 | $0 | $0 | $1,636 |
| | PIPE | U.C. per ea | 3 | CN-PIPE | 117.99 | 0 | 400 | 0 | 0 | 517.99 |
| 4" Butterfly Valve | | 3.00 | 9 | $39.33 | $354 | $0 | $1,200 | $0 | $0 | $1,554 |
| | PIPE | U.C. per ea | 3 | CN-PIPE | 117.99 | 0 | 275 | 0 | 0 | 392.99 |
| 2" Butterfly Valve | | 2.00 | 6 | $39.33 | $236 | $0 | $550 | $0 | $0 | $786 |
| Subtotal WBS 9115.2.01 | | | | | $4,759 | $0 | $4,740 | $0 | $0 | $9,499 |
| Sales Tax | | | | | $0 | $0 | $237 | $0 | $0 | $237 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $2,853 | $0 | $2,984 | $0 | $0 | $5,837 |
| Escalation | | | | | $183 | $0 | $191 | $0 | $0 | $374 |
| Contingency | | | | | $624 | $0 | $652 | $0 | $0 | $1,276 |
| **-- Total WBS 9115.2.01** | | | **121** | | **$8,418** | **$0** | **$8,804** | **$0** | **$0** | **$17,222** |
| **-- WBS 9116.2.01** | | | | | | | | | | |
| | ELEC | U.C. per Ea | 12 | CN-ELEC | 430.68 | 0 | 4500 | 0 | 0 | 4930.68 |
| Motor Control Center, MCC-Tx, 1 section | | 1.00 | 12 | $35.89 | $431 | $0 | $4,500 | $0 | $0 | $4,931 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

# DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| | ELEC | U.C. per Ea | 3 | CN-ELEC | 107.67 | 0 | 780 | 0 | 0 | 887.67 |
| 15 kVA Transformer, 480/108-120 | | 1.00 | 3 | $35.89 | $108 | $0 | $780 | $0 | $0 | $888 |
| | ELEC | U.C. per Ea | 3 | CN-ELEC | 107.67 | 0 | 750 | 0 | 0 | 857.67 |
| 100 amp Lighting panel | | 1.00 | 3 | $35.89 | $108 | $0 | $750 | $0 | $0 | $858 |
| | ELEC | U.C. per Ea | 1 | CN-ELEC | 35.89 | 0 | 300 | 0 | 0 | 335.89 |
| Secondary pump level controller | | 2.00 | 2 | $35.89 | $72 | $0 | $600 | $0 | $0 | $672 |
| | ELEC | U.C. per Ea | 1 | CN-ELEC | 35.89 | 0 | 286 | 0 | 0 | 321.89 |
| 30 amp Nema 1 disconnect | | 3.00 | 3 | $35.89 | $108 | $0 | $858 | $0 | $0 | $966 |
| | ELEC | U.C. per Ea | 4 | CN-ELEC | 143.56 | 0 | 2500 | 0 | 0 | 2643.56 |
| Pump control panel | | 1.00 | 4 | $35.89 | $144 | $0 | $2,500 | $0 | $0 | $2,644 |
| Subtotal WBS 9116.2.01 | | | | | $969 | $0 | $9,988 | $0 | $0 | $10,957 |
| Sales Tax | | | | | $0 | $0 | $499 | $0 | $0 | $499 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $516 | $0 | $5,588 | $0 | $0 | $6,105 |
| Escalation | | | | | $36 | $0 | $386 | $0 | $0 | $421 |
| Contingency | | | | | $183 | $0 | $1,975 | $0 | $0 | $2,158 |
| **-- Total WBS 9116.2.01** | | | **27** | | **$1,704** | **$0** | **$18,437** | **$0** | **$0** | **$20,141** |
| **-- WBS 9116.2.02** | | | | | | | | | | |
| | ELEC | U.C. per Ea | 0.75 | CN-ELEC | 26.918 | 0 | 125 | 0 | 0 | 151.918 |
| 100 watt HID Wall Pack | | 1.00 | 1 | $35.89 | $27 | $0 | $125 | $0 | $0 | $152 |
| | ELEC | U.C. per Ea | 0.75 | CN-ELEC | 26.918 | 0 | 75 | 0 | 0 | 101.918 |
| Assume interior light, 2 lamp 4' wrap around | | 2.00 | 2 | $35.89 | $54 | $0 | $150 | $0 | $0 | $204 |
| Subtotal WBS 9116.2.02 | | | | | $81 | $0 | $275 | $0 | $0 | $356 |
| Sales Tax | | | | | $0 | $0 | $14 | $0 | $0 | $14 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $43 | $0 | $154 | $0 | $0 | $197 |
| Escalation | | | | | $3 | $0 | $11 | $0 | $0 | $14 |
| Contingency | | | | | $15 | $0 | $54 | $0 | $0 | $70 |
| **-- Total WBS 9116.2.02** | | | **2** | | **$142** | **$0** | **$508** | **$0** | **$0** | **$650** |
| **-- WBS 9116.2.04** | | | | | | | | | | |
| | ELEC | U.C. per Lf | 0.008 | CN-ELEC | 0.287 | 0 | 1.25 | 0 | 0 | 1.537 |
| 1" conduit with fittings and supports | | 70.00 | 1 | $35.89 | $20 | $0 | $88 | $0 | $0 | $108 |
| | ELEC | U.C. per Lf | 0.007 | CN-ELEC | 0.251 | 0 | 0.8 | 0 | 0 | 1.051 |
| 3/4" conduit with fittings and supports | | 150.00 | 1 | $35.89 | $38 | $0 | $120 | $0 | $0 | $158 |
| | ELEC | U.C. per Ls | 4 | CN-ELEC | 143.56 | 0 | 150 | 0 | 0 | 293.56 |
| Control wiring | | 1.00 | 4 | $35.89 | $144 | $0 | $150 | $0 | $0 | $294 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

## DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| | ELEC | U.C. per Lf | 0.01 | CN-ELEC | 0.359 | 0 | 0.2 | 0 | 0 | 0.559 |
| 2/c #16 wire | | 100.00 | 1 | $35.89 | $36 | $0 | $20 | $0 | $0 | $56 |
| | ELEC | U.C. per Lf | 0.01 | CN-ELEC | 0.359 | 0 | 0.25 | 0 | 0 | 0.609 |
| 2/c #16 shielded wire | | 150.00 | 2 | $35.89 | $54 | $0 | $38 | $0 | $0 | $91 |
| | ELEC | U.C. per Lf | 0.007 | CN-ELEC | 0.251 | 0 | 0.05 | 0 | 0 | 0.301 |
| #14 wire | | 250.00 | 2 | $35.89 | $63 | $0 | $13 | $0 | $0 | $75 |
| | ELEC | U.C. per Lf | 0.008 | CN-ELEC | 0.287 | 0 | 0.06 | 0 | 0 | 0.347 |
| #12 wire | | 750.00 | 6 | $35.89 | $215 | $0 | $45 | $0 | $0 | $260 |
| | ELEC | U.C. per Ls | 4 | CN-ELEC | 143.56 | 0 | 125 | 0 | 0 | 268.56 |
| Misc. Junction boxes | | 1.00 | 4 | $35.89 | $144 | $0 | $125 | $0 | $0 | $269 |
| | ELEC | U.C. per Ls | 1 | CN-ELEC | 35.89 | 0 | 50 | 0 | 0 | 85.89 |
| Conduit and wire labels | | 1.00 | 1 | $35.89 | $36 | $0 | $50 | $0 | $0 | $86 |
| Subtotal WBS 9116.2.04 | | | | | $749 | $0 | $648 | $0 | $0 | $1,396 |
| Sales Tax | | | | | $0 | $0 | $32 | $0 | $0 | $32 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $399 | $0 | $362 | $0 | $0 | $761 |
| Escalation | | | | | $28 | $0 | $25 | $0 | $0 | $53 |
| Contingency | | | | | $141 | $0 | $128 | $0 | $0 | $269 |
| **-- Total WBS 9116.2.04** | | | **21** | | **$1,316** | **$0** | **$1,195** | **$0** | **$0** | **$2,511** |
| **-- WBS 9116.2.05** | | | | | | | | | | |
| | ELEC | U.C. per Ls | 8 | CN-ELEC | 287.12 | 0 | 0 | 0 | 0 | 287.12 |
| Testing of systems and equipemnt | | 1.00 | 8 | $35.89 | $287 | $0 | $0 | $0 | $0 | $287 |
| Subtotal WBS 9116.2.05 | | | | | $287 | $0 | $0 | $0 | $0 | $287 |
| Sales Tax | | | | | $0 | $0 | $0 | $0 | $0 | $0 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $153 | $0 | $0 | $0 | $0 | $153 |
| Escalation | | | | | $11 | $0 | $0 | $0 | $0 | $11 |
| Contingency | | | | | $54 | $0 | $0 | $0 | $0 | $54 |
| **-- Total WBS 9116.2.05** | | | **8** | | **$505** | **$0** | **$0** | **$0** | **$0** | **$505** |
| **-- WBS 91160.2.03** | | | | | | | | | | |
| | ELEC | U.C. per Ea | 1 | CN-ELEC | 35.89 | 0 | 575 | 0 | 0 | 610.89 |
| 1/2 HP Exhaust fan | | 1.00 | 1 | $35.89 | $36 | $0 | $575 | $0 | $0 | $611 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

## DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| | ELEC | U.C. per Ea | 1.5 | CN-ELEC | 53.835 | 0 | 229 | 0 | 0 | 282.835 |
| 3 kW Unit Heater | | 1.00 | 2 | $35.89 | $54 | $0 | $229 | $0 | $0 | $283 |
| Subtotal WBS 91160.2.03 | | | | | $90 | $0 | $804 | $0 | $0 | $894 |
| Sales Tax | | | | | $0 | $0 | $40 | $0 | $0 | $40 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $48 | $0 | $450 | $0 | $0 | $498 |
| Escalation | | | | | $3 | $0 | $31 | $0 | $0 | $34 |
| Contingency | | | | | $17 | $0 | $159 | $0 | $0 | $176 |
| **-- Total WBS 91160.2.03** | | | **3** | | **$158** | **$0** | **$1,484** | **$0** | **$0** | **$1,642** |
| Subtotal CBA6725 | | | | | $18,765 | $594 | $25,584 | $0 | $0 | $44,943 |
| Sales Tax | | | | | $0 | $0 | $1,279 | $0 | $0 | $1,279 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $10,539 | $325 | $14,731 | $0 | $0 | $25,595 |
| Escalation | | | | | $703 | $22 | $998 | $0 | $0 | $1,724 |
| Contingency | | | | | $3,448 | $95 | $5,106 | $0 | $0 | $8,649 |
| - Total CBA6725 | | | 491 | | $33,455 | $1,037 | $47,697 | $0 | $0 | $82,189 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

## DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| - CBA6726 | | | | | | | | | | |
| -- **WBS 9102.2.35** | | | | | | | | | | |
| LINE | | U.C. per sf | 0.004 | CN-LABR | 0.126 | 0 | 0.3 | 0 | 0 | 0.426 |
| 60 mill HDPE | | 138,400.00 | 554 | $31.58 | $17,483 | $0 | $41,520 | $0 | $0 | $59,003 |
| Subtotal WBS 9102.2.35 | | | | | $17,483 | $0 | $41,520 | $0 | $0 | $59,003 |
| Sales Tax | | | | | $0 | $0 | $2,076 | $0 | $0 | $2,076 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $12,039 | $0 | $30,021 | $0 | $0 | $42,060 |
| Escalation | | | | | $709 | $0 | $1,767 | $0 | $0 | $2,475 |
| Contingency | | | | | $2,418 | $0 | $6,031 | $0 | $0 | $8,449 |
| **-- Total WBS 9102.2.35** | | | **554** | | **$32,649** | **$0** | **$81,415** | **$0** | **$0** | **$114,063** |
| -- **WBS 9102.2.40** | | | | | | | | | | |
| LINE | | U.C. per sf | 0.004 | CN-LABR | 0.126 | 0 | 0.3 | 0 | 0 | 0.426 |
| 60 mill HDPE | | 138,400.00 | 554 | $31.58 | $17,483 | $0 | $41,520 | $0 | $0 | $59,003 |
| Subtotal WBS 9102.2.40 | | | | | $17,483 | $0 | $41,520 | $0 | $0 | $59,003 |
| Sales Tax | | | | | $0 | $0 | $2,076 | $0 | $0 | $2,076 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $12,039 | $0 | $30,021 | $0 | $0 | $42,060 |
| Escalation | | | | | $709 | $0 | $1,767 | $0 | $0 | $2,475 |
| Contingency | | | | | $2,418 | $0 | $6,031 | $0 | $0 | $8,449 |
| **-- Total WBS 9102.2.40** | | | **554** | | **$32,649** | **$0** | **$81,415** | **$0** | **$0** | **$114,063** |
| Subtotal CBA6726 | | | | | $34,965 | $0 | $83,040 | $0 | $0 | $118,005 |
| Sales Tax | | | | | $0 | $0 | $4,152 | $0 | $0 | $4,152 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $24,078 | $0 | $60,042 | $0 | $0 | $84,120 |
| Escalation | | | | | $1,417 | $0 | $3,534 | $0 | $0 | $4,951 |
| Contingency | | | | | $4,837 | $0 | $12,061 | $0 | $0 | $16,898 |
| - Total CBA6726 | | | 1,107 | | $65,297 | $0 | $162,830 | $0 | $0 | $228,127 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

# DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| - CBA6729 | | | | | | | | | | |
| -- **WBS 9102.3.01** | | | | | | | | | | |
| | DIRT | U.C. per hr | 1 | CN-EQMD | 34.75 | 28.68 | 0 | 0 | 0 | 63.43 |
| Foundation Excavation | | 15.00 | 15 | $34.75 | $521 | $430 | $0 | $0 | $0 | $951 |
| Subtotal WBS 9102.3.01 | | | | | $521 | $430 | $0 | $0 | $0 | $951 |
| Sales Tax | | | | | $0 | $0 | $0 | $0 | $0 | $0 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $278 | $229 | $0 | $0 | $0 | $507 |
| Escalation | | | | | $19 | $16 | $0 | $0 | $0 | $35 |
| Contingency | | | | | $65 | $54 | $0 | $0 | $0 | $119 |
| **-- Total WBS 9102.3.01** | | | **15** | | **$884** | **$729** | **$0** | **$0** | **$0** | **$1,613** |
| -- **WBS 9103.3.01** | | | | | | | | | | |
| | CONC | U.C. per hr | 2 | CN-LABR | 63.16 | 0 | 0 | 0 | 0 | 63.16 |
| Fine Grade | | 15.00 | 30 | $31.58 | $947 | $0 | $0 | $0 | $0 | $947 |
| | CONC | U.C. per sf | 0.25 | CN-CARP | 8.953 | 1.5 | 0 | 0 | 0 | 10.453 |
| Form Foundation | | 325.00 | 81 | $35.81 | $2,910 | $488 | $0 | $0 | $0 | $3,397 |
| | CONC | U.C. per lb | 0.15 | CN-CARP | 5.372 | 0 | 3 | 0 | 0 | 8.372 |
| Misc Emb Metal | | 60.00 | 9 | $35.81 | $322 | $0 | $180 | $0 | $0 | $502 |
| | CONC | U.C. per lb | 0.03 | CN-IRON | 1.305 | 0 | 0.35 | 0 | 0 | 1.655 |
| Place Rebar | | 3,600.00 | 108 | $43.50 | $4,698 | $0 | $1,260 | $0 | $0 | $5,958 |
| | CONC | U.C. per cy | 3 | CN-LABR | 94.74 | 0 | 80 | 0 | 0 | 174.74 |
| Place, Finish & Cure Conc | | 36.00 | 108 | $31.58 | $3,411 | $0 | $2,880 | $0 | $0 | $6,291 |
| | CONC | U.C. per ea | | | 0 | 0 | 0 | 0 | 400 | 400 |
| Bollards | | 4.00 | 0 | | $0 | $0 | $0 | $0 | $1,600 | $1,600 |
| Subtotal WBS 9103.3.01 | | | | | $12,288 | $488 | $4,320 | $0 | $1,600 | $18,695 |
| Sales Tax | | | | | $0 | $0 | $216 | $0 | $0 | $216 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $6,897 | $274 | $2,546 | $0 | $160 | $9,876 |
| Escalation | | | | | $460 | $18 | $170 | $0 | $42 | $691 |
| Contingency | | | | | $2,357 | $94 | $870 | $0 | $216 | $3,537 |
| **-- Total WBS 9103.3.01** | | | **336** | | **$22,002** | **$873** | **$8,122** | **$0** | **$2,019** | **$33,016** |
| -- **WBS 9105.3.01** | | | | | | | | | | |
| | STEEL | U.C. per sf | 1 | CN-IRON | 43.5 | 0 | 25 | 0 | 0 | 68.5 |
| Trench Grating | | 8.00 | 8 | $43.50 | $348 | $0 | $200 | $0 | $0 | $548 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

# DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| | STEEL | U.C. per lb | 0.02 | CN-IRON | 0.87 | 0 | 2.5 | 0 | 0 | 3.37 |
| Misc Steel Platform | | 1,800.00 | 36 | $43.50 | $1,566 | $0 | $4,500 | $0 | $0 | $6,066 |
| Subtotal WBS 9105.3.01 | | | | | $1,914 | $0 | $4,700 | $0 | $0 | $6,614 |
| Sales Tax | | | | | $0 | $0 | $235 | $0 | $0 | $235 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $1,020 | $0 | $2,630 | $0 | $0 | $3,650 |
| Escalation | | | | | $70 | $0 | $182 | $0 | $0 | $252 |
| Contingency | | | | | $451 | $0 | $1,162 | $0 | $0 | $1,613 |
| **-- Total WBS 9105.3.01** | | | **44** | | **$3,455** | **$0** | **$8,908** | **$0** | **$0** | **$12,363** |
| **-- WBS 9109.3.01** | | | | | | | | | | |
| | CONC | U.C. per sf | 0.025 | CN-PORD | 0.79 | 0 | 0.8 | 0 | 0 | 1.59 |
| special coating | | 960.00 | 24 | $31.59 | $758 | $0 | $768 | $0 | $0 | $1,526 |
| Subtotal WBS 9109.3.01 | | | | | $758 | $0 | $768 | $0 | $0 | $1,526 |
| Sales Tax | | | | | $0 | $0 | $38 | $0 | $0 | $38 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $426 | $0 | $453 | $0 | $0 | $878 |
| Escalation | | | | | $28 | $0 | $30 | $0 | $0 | $59 |
| Contingency | | | | | $182 | $0 | $193 | $0 | $0 | $375 |
| **-- Total WBS 9109.3.01** | | | **24** | | **$1,394** | **$0** | **$1,483** | **$0** | **$0** | **$2,877** |
| **-- WBS 9115.3.02** | | | | | | | | | | |
| | PIPE | U.C. per ea | 8 | CN-PIPE | 314.64 | 0 | 28 | 0 | 0 | 342.64 |
| 8" Flange Adapter | | 1.00 | 8 | $39.33 | $315 | $0 | $28 | $0 | $0 | $343 |
| | PIPE | U.C. per ea | 1 | CN-PIPE | 39.33 | 0 | 15 | 0 | 0 | 54.33 |
| 8" Flange Ring | | 1.00 | 1 | $39.33 | $39 | $0 | $15 | $0 | $0 | $54 |
| | PIPE | U.C. per ea | 0.5 | CN-PIPE | 19.665 | 0 | 10 | 0 | 0 | 29.665 |
| 4" Flange Adapter | | 1.00 | 1 | $39.33 | $20 | $0 | $10 | $0 | $0 | $30 |
| | PIPE | U.C. per ea | 1 | CN-PIPE | 39.33 | 0 | 15 | 0 | 0 | 54.33 |
| 4" Flange Ring | | 1.00 | 1 | $39.33 | $39 | $0 | $15 | $0 | $0 | $54 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

## DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| | PIPE | U.C. per ea | 40 | CN-PIPE | 1573.2 | 0 | 5000 | 0 | 0 | 6573.2 |
| 6" Standpipe | | 1.00 | 40 | $39.33 | $1,573 | $0 | $5,000 | $0 | $0 | $6,573 |
| Subtotal WBS 9115.3.02 | | | | | $1,986 | $0 | $5,068 | $0 | $0 | $7,054 |
| Sales Tax | | | | | $0 | $0 | $253 | $0 | $0 | $253 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $1,191 | $0 | $3,190 | $0 | $0 | $4,381 |
| Escalation | | | | | $76 | $0 | $204 | $0 | $0 | $281 |
| Contingency | | | | | $260 | $0 | $697 | $0 | $0 | $958 |
| **-- Total WBS 9115.3.02** | | | **51** | | **$3,513** | **$0** | **$9,413** | **$0** | **$0** | **$12,927** |
| Subtotal CBA6729 | | | | | $17,467 | $918 | $14,856 | $0 | $1,600 | $34,841 |
| Sales Tax | | | | | $0 | $0 | $743 | $0 | $0 | $743 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $9,811 | $503 | $8,819 | $0 | $160 | $19,292 |
| Escalation | | | | | $655 | $34 | $586 | $0 | $42 | $1,317 |
| Contingency | | | | | $3,316 | $148 | $2,923 | $0 | $216 | $6,602 |
| - Total CBA6729 | | | 470 | | $31,248 | $1,602 | $27,926 | $0 | $2,019 | $62,795 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

## DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| - CBA6731 | | | | | | | | | | |
| -- **WBS 9102.3.02** | | | | | | | | | | |
| | DIRT | U.C. per cy | | | 1.47 | 0.94 | 0 | 0 | 0 | 2.41 |
| Trench Excavation | | 870.00 | 0 | | $1,279 | $818 | $0 | $0 | $0 | $2,097 |
| | DIRT | U.C. per cy | | | 3.76 | 1.14 | 0 | 0 | 0 | 4.9 |
| Trench Backfill | | 870.00 | 0 | | $3,271 | $992 | $0 | $0 | $0 | $4,263 |
| Subtotal WBS 9102.3.02 | | | | | $4,550 | $1,810 | $0 | $0 | $0 | $6,360 |
| Sales Tax | | | | | $0 | $0 | $0 | $0 | $0 | $0 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $2,425 | $964 | $0 | $0 | $0 | $3,389 |
| Escalation | | | | | $167 | $67 | $0 | $0 | $0 | $234 |
| Contingency | | | | | $571 | $227 | $0 | $0 | $0 | $799 |
| **-- Total WBS 9102.3.02** | | | | | **$7,714** | **$3,068** | **$0** | **$0** | **$0** | **$10,781** |
| -- **WBS 9103.3.02** | | | | | | | | | | |
| | CONC | U.C. per sf | 0.2 | CN-CARP | 7.162 | 1.5 | 0 | 0 | 0 | 8.662 |
| Form Elect Ductbank | | 2,900.00 | 580 | $35.81 | $20,770 | $4,350 | $0 | $0 | $0 | $25,120 |
| | CONC | U.C. per lb | 0.03 | CN-IRON | 1.305 | 0 | 0.35 | 0 | 0 | 1.655 |
| Place Rebar | | 4,900.00 | 147 | $43.50 | $6,395 | $0 | $1,715 | $0 | $0 | $8,110 |
| | CONC | U.C. per cy | 2 | CN-LABR | 63.16 | 0 | 80 | 0 | 0 | 143.16 |
| Place, Finish & Cure Conc | | 82.00 | 164 | $31.58 | $5,179 | $0 | $6,560 | $0 | $0 | $11,739 |
| Subtotal WBS 9103.3.02 | | | | | $32,343 | $4,350 | $8,275 | $0 | $0 | $44,968 |
| Sales Tax | | | | | $0 | $0 | $414 | $0 | $0 | $414 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $18,153 | $2,441 | $4,877 | $0 | $0 | $25,471 |
| Escalation | | | | | $1,212 | $163 | $326 | $0 | $0 | $1,700 |
| Contingency | | | | | $6,205 | $835 | $1,667 | $0 | $0 | $8,706 |
| **-- Total WBS 9103.3.02** | | | **891** | | **$57,914** | **$7,789** | **$15,558** | **$0** | **$0** | **$81,260** |
| -- **WBS 9116.3.01** | | | | | | | | | | |
| | ELEC | U.C. per lf | 0.2 | CN-ELEC | 7.178 | 0 | 1 | 0 | 0 | 8.178 |
| Ductbank Conduit & Supports | | 2,900.00 | 580 | $35.89 | $20,816 | $0 | $2,900 | $0 | $0 | $23,716 |
| | ELEC | U.C. per Lf | 0.032 | CN-ELEC | 1.148 | 0 | 0.9 | 0 | 0 | 2.048 |
| 3\0 wire, building feeder | | 3,000.00 | 96 | $35.89 | $3,445 | $0 | $2,700 | $0 | $0 | $6,145 |
| | ELEC | U.C. per Lf | 0.016 | CN-ELEC | 0.574 | 0 | 0.5 | 0 | 0 | 1.074 |
| #1 wire, ground | | 1,000.00 | 16 | $35.89 | $574 | $0 | $500 | $0 | $0 | $1,074 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

## DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| | ELEC | U.C. per Ls | 8 | CN-ELEC | 287.12 | 0 | 400 | 0 | 0 | 687.12 |
| Building Grounding | | 1.00 | 8 | $35.89 | $287 | $0 | $400 | $0 | $0 | $687 |
| Subtotal WBS 9116.3.01 | | | | | $25,123 | $0 | $6,500 | $0 | $0 | $31,623 |
| Sales Tax | | | | | $0 | $0 | $325 | $0 | $0 | $325 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $13,387 | $0 | $3,637 | $0 | $0 | $17,024 |
| Escalation | | | | | $924 | $0 | $251 | $0 | $0 | $1,175 |
| Contingency | | | | | $3,943 | $0 | $1,071 | $0 | $0 | $5,015 |
| **-- Total WBS 9116.3.01** | | | **700** | | **$43,378** | **$0** | **$11,784** | **$0** | **$0** | **$55,162** |
| Subtotal CBA6731 | | | | | $62,017 | $6,160 | $14,775 | $0 | $0 | $82,951 |
| Sales Tax | | | | | $0 | $0 | $739 | $0 | $0 | $739 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $33,965 | $3,406 | $8,514 | $0 | $0 | $45,885 |
| Escalation | | | | | $2,304 | $230 | $577 | $0 | $0 | $3,110 |
| Contingency | | | | | $10,720 | $1,062 | $2,738 | $0 | $0 | $14,520 |
| - Total CBA6731 | | | 1,591 | | $109,005 | $10,857 | $27,342 | $0 | $0 | $147,204 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

# DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| - CBA6733 | | | | | | | | | | |
| -- **WBS 9102.3.03** | | | | | | | | | | |
| | DIRT | U.C. per cy | | | 1.47 | 0.94 | 0 | 0 | 0 | 2.41 |
| Trench Excavation | | 13,900.00 | 0 | | $20,433 | $13,066 | $0 | $0 | $0 | $33,499 |
| | DIRT | U.C. per cy | | | 3.76 | 1.14 | 0 | 0 | 0 | 4.9 |
| Trench Backfill | | 13,900.00 | 0 | | $52,264 | $15,846 | $0 | $0 | $0 | $68,110 |
| Subtotal WBS 9102.3.03 | | | | | $72,697 | $28,912 | $0 | $0 | $0 | $101,609 |
| Sales Tax | | | | | $0 | $0 | $0 | $0 | $0 | $0 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $38,739 | $15,407 | $0 | $0 | $0 | $54,145 |
| Escalation | | | | | $2,674 | $1,064 | $0 | $0 | $0 | $3,738 |
| Contingency | | | | | $9,129 | $3,631 | $0 | $0 | $0 | $12,759 |
| **-- Total WBS 9102.3.03** | | | | | **$123,239** | **$49,013** | **$0** | **$0** | **$0** | **$172,252** |
| **-- WBS 9115.3.01** | | | | | | | | | | |
| | FP | U.C. per lf | 0.15 | CN-PIPE | 5.9 | 0 | 7.75 | 0 | 0 | 13.65 |
| 8" Firewater Pipe | | 1,200.00 | 180 | $39.33 | $7,079 | $0 | $9,300 | $0 | $0 | $16,379 |
| | FP | U.C. per lf | 10 | CN-PIPE | 393.3 | 0 | 1260 | 0 | 0 | 1653.3 |
| Fire Hydrants | | 2.00 | 20 | $39.33 | $787 | $0 | $2,520 | $0 | $0 | $3,307 |
| | CONC | U.C. per ea | | | 0 | 0 | 0 | 0 | 400 | 400 |
| Bollards | | 8.00 | 0 | | $0 | $0 | $0 | $0 | $3,200 | $3,200 |
| | FP | U.C. per ea | 0.4 | CN-PIPE | 15.732 | 0 | 385 | 0 | 0 | 400.732 |
| 12 x 8 Tee | | 1.00 | 0 | $39.33 | $16 | $0 | $385 | $0 | $0 | $401 |
| | FP | U.C. per ea | 0.35 | CN-PIPE | 13.765 | 0 | 85 | 0 | 0 | 98.765 |
| 8" Ell | | 1.00 | 0 | $39.33 | $14 | $0 | $85 | $0 | $0 | $99 |
| | FP | U.C. per ea | 0.4 | CN-PIPE | 15.732 | 0 | 95 | 0 | 0 | 110.732 |
| 8" Tee | | 1.00 | 0 | $39.33 | $16 | $0 | $95 | $0 | $0 | $111 |
| | PIPE | U.C. per lf | 0.12 | CN-PIPE | 4.72 | 0 | 2.7 | 0 | 0 | 7.42 |
| 6" Process/Decon Pipe | | 1,200.00 | 144 | $39.33 | $5,664 | $0 | $3,240 | $0 | $0 | $8,904 |
| | PIPE | U.C. per 2a | 5 | CN-PIPE | 196.65 | 0 | 200 | 0 | 0 | 396.65 |
| Freeze Proof Hydrant | | 2.00 | 10 | $39.33 | $393 | $0 | $400 | $0 | $0 | $793 |
| | PIPE | U.C. per ea | 0.7 | CN-PIPE | 27.531 | 0 | 45 | 0 | 0 | 72.531 |
| 4" Flange Adapter | | 2.00 | 1 | $39.33 | $55 | $0 | $90 | $0 | $0 | $145 |
| | PIPE | U.C. per ea | 1 | CN-PIPE | 39.33 | 0 | 15 | 0 | 0 | 54.33 |
| 4" Flange Ring | | 2.00 | 2 | $39.33 | $79 | $0 | $30 | $0 | $0 | $109 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

## DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| | PIPE | U.C. per lf | 0.6 | CN-PIPE | 23.598 | 0 | 67 | 0 | 0 | 90.598 |
| 6" Ell | | 1.00 | 1 | $39.33 | $24 | $0 | $67 | $0 | $0 | $91 |
| | PIPE | U.C. per lf | 0.7 | CN-PIPE | 27.531 | 0 | 75 | 0 | 0 | 102.531 |
| 6" Tee | | 1.00 | 1 | $39.33 | $28 | $0 | $75 | $0 | $0 | $103 |
| | PIPE | U.C. per lf | 0.12 | CN-PIPE | 4.72 | 0 | 2.8 | 0 | 0 | 7.52 |
| 2" w/4" Waste Water from SSSTF | | 800.00 | 96 | $39.33 | $3,776 | $0 | $2,240 | $0 | $0 | $6,016 |
| | PIPE | U.C. per lf | 0.15 | CN-PIPE | 5.9 | 0 | 7.45 | 0 | 0 | 13.35 |
| 4" w/ 8" Waste Water From ICDF | | 1,200.00 | 180 | $39.33 | $7,079 | $0 | $8,940 | $0 | $0 | $16,019 |
| | PIPE | U.C. per ea | 10 | CN-PIPE | 393.3 | 0 | 45 | 0 | 0 | 438.3 |
| 16" Flange Adapter | | 6.00 | 60 | $39.33 | $2,360 | $0 | $270 | $0 | $0 | $2,630 |
| | PIPE | U.C. per ea | 1 | CN-PIPE | 39.33 | 0 | 180 | 0 | 0 | 219.33 |
| 16" Flange Ring | | 6.00 | 6 | $39.33 | $236 | $0 | $1,080 | $0 | $0 | $1,316 |
| | PIPE | U.C. per ea | 0.7 | CN-PIPE | 27.531 | 0 | 50 | 0 | 0 | 77.531 |
| 10" Flange Adapter | | 6.00 | 4 | $39.33 | $165 | $0 | $300 | $0 | $0 | $465 |
| | PIPE | U.C. per ea | 1 | CN-PIPE | 39.33 | 0 | 55 | 0 | 0 | 94.33 |
| 10" Flange Ring | | 6.00 | 6 | $39.33 | $236 | $0 | $330 | $0 | $0 | $566 |
| | PIPE | U.C. per ea | 8 | CN-PIPE | 314.64 | 0 | 28 | 0 | 0 | 342.64 |
| 8" Flange Adapter | | 16.00 | 128 | $39.33 | $5,034 | $0 | $448 | $0 | $0 | $5,482 |
| | PIPE | U.C. per ea | 1 | CN-PIPE | 39.33 | 0 | 15 | 0 | 0 | 54.33 |
| 8" Flange Ring | | 16.00 | 16 | $39.33 | $629 | $0 | $240 | $0 | $0 | $869 |
| | PIPE | U.C. per ea | 0.5 | CN-PIPE | 19.665 | 0 | 10 | 0 | 0 | 29.665 |
| 4" Flange Adapter | | 10.00 | 5 | $39.33 | $197 | $0 | $100 | $0 | $0 | $297 |
| | PIPE | U.C. per ea | 1 | CN-PIPE | 39.33 | 0 | 15 | 0 | 0 | 54.33 |
| 4" Flange Ring | | 10.00 | 10 | $39.33 | $393 | $0 | $150 | $0 | $0 | $543 |
| | PIPE | U.C. per ea | 2 | CN-PIPE | 78.66 | 0 | 124 | 0 | 0 | 202.66 |
| 8" Tee | | 2.00 | 4 | $39.33 | $157 | $0 | $248 | $0 | $0 | $405 |
| | PIPE | U.C. per ea | 1.5 | CN-PIPE | 58.995 | 0 | 17 | 0 | 0 | 75.995 |
| 4" Tee | | 1.00 | 2 | $39.33 | $59 | $0 | $17 | $0 | $0 | $76 |
| | PIPE | U.C. per ea | 1.5 | CN-PIPE | 58.995 | 0 | 120 | 0 | 0 | 178.995 |
| 8" Ell | | 1.00 | 2 | $39.33 | $59 | $0 | $120 | $0 | $0 | $179 |
| | PIPE | U.C. per ea | 1 | CN-PIPE | 39.33 | 0 | 14 | 0 | 0 | 53.33 |
| 4" Ell | | 1.00 | 1 | $39.33 | $39 | $0 | $14 | $0 | $0 | $53 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

## DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| | PIPE | U.C. per mo | | | 0 | 5000 | 0 | 0 | 0 | 5000 |
| HDPE Machine | | 1.00 | 0 | | $0 | $5,000 | $0 | $0 | $0 | $5,000 |
| Subtotal WBS 9115.3.01 | | | | | $34,573 | $5,000 | $30,784 | $0 | $3,200 | $73,557 |
| Sales Tax | | | | | $0 | $0 | $1,539 | $0 | $0 | $1,539 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $21,413 | $2,998 | $20,505 | $0 | $320 | $45,236 |
| Escalation | | | | | $1,344 | $192 | $1,268 | $0 | $84 | $2,888 |
| Contingency | | | | | $4,586 | $655 | $4,328 | $0 | $288 | $9,858 |
| **-- Total WBS 9115.3.01** | | | **879** | | **$61,916** | **$8,845** | **$58,424** | **$0** | **$3,893** | **$133,077** |
| Subtotal CBA6733 | | | | | $107,270 | $33,912 | $30,784 | $0 | $3,200 | $175,166 |
| Sales Tax | | | | | $0 | $0 | $1,539 | $0 | $0 | $1,539 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $60,151 | $18,404 | $20,505 | $0 | $320 | $99,381 |
| Escalation | | | | | $4,018 | $1,256 | $1,268 | $0 | $84 | $6,626 |
| Contingency | | | | | $13,715 | $4,286 | $4,328 | $0 | $288 | $22,617 |
| - Total CBA6733 | | | 879 | | $185,155 | $57,857 | $58,424 | $0 | $3,893 | $305,329 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

# DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| - CBA6734 | | | | | | | | | | |
| -- **WBS 9102.3.04** | | | | | | | | | | |
| 6" Sub Base | DIRT | U.C. per cy<br>1,100.00 | 0 | | 0.97<br>$1,067 | 1.57<br>$1,727 | 20<br>$22,000 | 0<br>$0 | 0<br>$0 | 22.54<br>$24,794 |
| 4" AC | DIRT | U.C. per tn<br>1,350.00 | 0 | | 0<br>$0 | 0<br>$0 | 0<br>$0 | 80<br>$108,000 | 0<br>$0 | 80<br>$108,000 |
| Subtotal WBS 9102.3.04 | | | | | $1,067 | $1,727 | $22,000 | $108,000 | $0 | $132,794 |
| Sales Tax | | | | | $0 | $0 | $1,100 | $0 | $0 | $1,100 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $569 | $920 | $12,309 | $57,551 | $0 | $71,349 |
| Escalation | | | | | $39 | $64 | $850 | $3,973 | $0 | $4,926 |
| Contingency | | | | | $134 | $217 | $2,901 | $13,562 | $0 | $16,814 |
| -- **Total WBS 9102.3.04** | | | | | **$1,809** | **$2,928** | **$39,160** | **$183,086** | **$0** | **$226,982** |
| Subtotal CBA6734 | | | | | $1,067 | $1,727 | $22,000 | $108,000 | $0 | $132,794 |
| Sales Tax | | | | | $0 | $0 | $1,100 | $0 | $0 | $1,100 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $569 | $920 | $12,309 | $57,551 | $0 | $71,349 |
| Escalation | | | | | $39 | $64 | $850 | $3,973 | $0 | $4,926 |
| Contingency | | | | | $134 | $217 | $2,901 | $13,562 | $0 | $16,814 |
| - Total CBA6734 | | | | | $1,809 | $2,928 | $39,160 | $183,086 | $0 | $226,982 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

# DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| - CBA6735 | | | | | | | | | | |
| -- **WBS 9102.3.05** | | | | | | | | | | |
| | STEEL | U.C. per lf | 0.15 | CN-IRON | 6.525 | 2.3 | 13 | 0 | 0 | 21.825 |
| 5' high 9 ga Chin Link Fence | | 5,600.00 | 840 | $43.50 | $36,540 | $12,880 | $72,800 | $0 | $0 | $122,220 |
| | STEEL | U.C. per lf | 1 | CN-IRON | 43.5 | 15 | 83 | 0 | 0 | 141.5 |
| 18' Slide Gate | | 18.00 | 18 | $43.50 | $783 | $270 | $1,494 | $0 | $0 | $2,547 |
| | STEEL | U.C. per ea | 12 | CN-IRON | 522 | 200 | 350 | 0 | 0 | 1072 |
| 20' Double Swing Gate | | 1.00 | 12 | $43.50 | $522 | $200 | $350 | $0 | $0 | $1,072 |
| | STEEL | U.C. per ea | 4 | CN-IRON | 174 | 55 | 100 | 0 | 0 | 329 |
| 4' Swing Gate | | 2.00 | 8 | $43.50 | $348 | $110 | $200 | $0 | $0 | $658 |
| Subtotal WBS 9102.3.05 | | | | | $38,193 | $13,460 | $74,844 | $0 | $0 | $126,497 |
| Sales Tax | | | | | $0 | $0 | $3,742 | $0 | $0 | $3,742 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $20,352 | $7,173 | $41,877 | $0 | $0 | $69,401 |
| Escalation | | | | | $1,405 | $495 | $2,891 | $0 | $0 | $4,791 |
| Contingency | | | | | $4,796 | $1,690 | $9,868 | $0 | $0 | $16,355 |
| **-- Total WBS 9102.3.05** | | | **878** | | **$64,746** | **$22,818** | **$133,222** | **$0** | **$0** | **$220,787** |
| -- **WBS 9116.3.02** | | | | | | | | | | |
| | ELEC | U.C. per ea | 10 | CN-ELEC | 358.9 | 0 | 600 | 0 | 0 | 958.9 |
| Motor Operator | | 1.00 | 10 | $35.89 | $359 | $0 | $600 | $0 | $0 | $959 |
| | ELEC | U.C. per lf | 0.012 | CN-ELEC | 0.431 | 0.25 | 0 | 0 | 0 | 0.681 |
| Trenching | | 800.00 | 10 | $35.89 | $345 | $200 | $0 | $0 | $0 | $545 |
| | ELEC | U.C. per lf | 0.002 | CN-ELEC | 0.072 | 0 | 0.9 | 0 | 0 | 0.972 |
| Ground Wire | | 800.00 | 2 | $35.89 | $57 | $0 | $720 | $0 | $0 | $777 |

Project Name:
***ICDF Phase II***
Project Location: ***INTEC***
Estimate Number: ***2448-D***

# DIA CUSTOM GROUPING REPORT 2T

Client: ***D. K. Vernon***
Prepared By: ***J. C. Grenz***
Estimate Type: ***Project Support***

| LEVEL | Org/Subcontractor | QTY | Hrs | Crew/Rate | Labor | Const Eqp | Matl | S/C | Other | TOTAL* |
|---|---|---|---|---|---|---|---|---|---|---|
| Cadwelds | ELEC | U.C. per ea | 0.25 | CN-ELEC | 8.973 | 0 | 5 | 0 | 0 | 13.973 |
| | | 80.00 | 20 | $35.89 | $718 | $0 | $400 | $0 | $0 | $1,118 |
| Subtotal WBS 9116.3.02 | | | | | $1,479 | $200 | $1,720 | $0 | $0 | $3,399 |
| Sales Tax | | | | | $0 | $0 | $86 | $0 | $0 | $86 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $788 | $107 | $962 | $0 | $0 | $1,857 |
| Escalation | | | | | $54 | $7 | $66 | $0 | $0 | $128 |
| Contingency | | | | | $232 | $31 | $283 | $0 | $0 | $547 |
| **-- Total WBS 9116.3.02** | | | **41** | | **$2,553** | **$345** | **$3,118** | **$0** | **$0** | **$6,017** |
| Subtotal CBA6735 | | | | | $39,672 | $13,660 | $76,564 | $0 | $0 | $129,896 |
| Sales Tax | | | | | $0 | $0 | $3,828 | $0 | $0 | $3,828 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $21,140 | $7,279 | $42,839 | $0 | $0 | $71,258 |
| Escalation | | | | | $1,459 | $503 | $2,958 | $0 | $0 | $4,920 |
| Contingency | | | | | $5,028 | $1,722 | $10,152 | $0 | $0 | $16,902 |
| - Total CBA6735 | | | 919 | | $67,299 | $23,163 | $136,341 | $0 | $0 | $226,803 |
| Subtotal **TEC (TOTAL ESTIMATED COST)** | | | | | $1,143,730 | $446,138 | $1,188,041 | $108,000 | $24,800 | $2,910,708 |
| Sales Tax | | | | | $0 | $0 | $59,402 | $0 | $0 | $59,402 |
| INEEL Org Labor/Subcontractor Overheads | | | | | $703,918 | $240,602 | $798,454 | $57,551 | $2,080 | $1,802,606 |
| Escalation | | | | | $44,344 | $16,482 | $49,102 | $3,973 | $645 | $114,545 |
| Contingency | | | | | $159,089 | $58,468 | $173,075 | $13,562 | $4,928 | $409,123 |
| Total **TEC (TOTAL ESTIMATED COST)** | | | 25,196 | | $2,051,081 | $761,690 | $2,268,074 | $183,086 | $32,453 | $5,296,384 |

# Appendix CC

# Technical and Functional Requirements—WAG 3 INEEL CERCLA Disposal Facility Landfill and Evaporation Pond

# TFR-71

**TO VIEW APPENDIX CC SEE:**

**DOCUMENT ID NUMBER – TFR-71, REV.02**

# Appendix DD

# Technical and Functional Requirements for the INEEL CERCLA Disposal Facility Control and Integrated Waste Tracking System

# TFR-2520

**TO VIEW APPENDIX DD SEE:**

**DOCUMENT ID NUMBER – TFR-2520, REV.0**