

Appendix I

Cost Estimates to Support the Feasibility Study

Appendix I
Cost Estimates to Support the Feasibility Study

Appendix I2



INTEROFFICE MEMORANDUM

Date: June 14, 2001

To: B. J. Broomfield MS 3950 6-3528

From: K. L. Sorman *KLS* MS 3655 6-0015

Subject: WAG 10 OU-10-04 FEASIBILITY STUDY (STF GUN RANGE)

Estimating Services has prepared Planning Cost Estimates for the above subject project. The cost estimates have been completed based on the project descriptions supplied by the requester and information supplied by prospective vendors.

Total Estimated Cost (TEC) for the No Action Option is \$3,976,935
 Total Estimated Cost (TEC) for the Limited Action Option is \$4,804,296
 Total Estimated Cost (TEC) for the 3A Option is \$3,849,934
 Total Estimated Cost (TEC) for the 3B Option is \$8,826,975

The above costs are shown as the base costs plus contingency costs. Escalated and Discounted costs are shown in the cover tables attached to each set of cost estimates and below.

Total Net Present Worth Cost (NPWC) for the No Action Option is \$3,300,171
 Total Net Present Worth Cost (NPWC) for the Limited Action Option is \$3,977,941
 Total Net Present Worth Cost (NPWC) for the 3A Option is \$3,535,302
 Total Net Present Worth Cost (NPWC) for the 3B Option is \$8,082,857

Please refer to the attached Detail, Recapitulation, and Summary sheets for cost breakdowns, descriptions, and cost estimating basis.

Due to minimal detail and scoping definition, this estimate is considered a "Planning" estimate and should not be used to establish a cost baseline.

If you have any questions or comment, please contact Scott Wasley at 526-3620.

KLS

Attachments

cc: Estimate File 8950-2 *[Signature]*
 K. L. Sorman File (KLS-11-01)

Uniform File Code: 8309

Disposition Authority: A17-31-a-1

Retention Schedule: Until dismantlement or disposal of facility, equipment, system, or process; or when superseded or obsolete, whichever is earlier.

B. J. Broomfield
June 14, 2001
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NOTE: Original disposition authority, retention schedule, and Uniform Filing Code applied by the sender may not be appropriate for all recipients. Make adjustments as needed.


TEC SUMMARY COMPARISON REPORT

Project **WAG 10 OU10-04 FEASIBILITY STUDY - STF GUN RANGE**
 Location **STF-02 GUN RANGE**
 File # **8950-2**

Date: **06/07/01**

Description	No Action				Limited Action				RA - Opt. 3A				RA - Opt. 3B			
	Midpt.	Base Cost	Esc'd Cost	Disc. Cost	Midpt.	Base Cost	Esc'd Cost	Disc. Cost	Midpt.	Base Cost	Esc'd Cost	Disc. Cost	Midpt.	Base Cost	Esc'd Cost	Disc. Cost
CAPITAL COSTS:		487,040	527,051	455,287		937,003	4,267,710	825,618		2,907,719	3,211,928	2,676,913		6,648,706	7,368,295	6,103,156
Remedial Design		384,970	416,596	359,871		791,330	4,108,819	690,251		550,055	595,243	514,193		725,065	784,620	677,784
RD/RA Statement of Work	2003	54,482	58,958	50,930	2003	54,482	58,958	50,930	2003	81,723	88,437	76,395	2003	281,723	304,867	263,356
Remedial Design Work Plan	2003	17,444	18,877	16,307	2003	17,444	18,877	16,307	2003	10,673	11,550	9,977	2003	10,673	11,550	9,977
Envir., Safety and Health Plan	2003	101,170	109,481	94,574	2003	101,170	109,481	94,574	2003	101,170	109,481	94,574	2003	101,170	109,481	94,574
Sampling and Analysis Plan	2003	108,964	117,916	101,860	2003	108,964	117,916	101,860	2003	108,964	117,916	101,860	2003	108,964	117,916	101,860
Quality Assurance Proj. Plan	2003	12,107	13,102	11,318	2003	12,107	13,102	11,318	2003	24,214	26,203	22,635	2003	24,214	26,203	22,635
Site Ops and Maint. Plan	2003	12,107	13,102	11,318	2003	12,107	13,102	11,318	2003	36,321	39,305	33,953	2003	36,321	39,305	33,953
Draft Final Design/Report Prep.			0	0			0	0	2003	24,214	26,203	22,635	2003	24,214	26,203	22,635
Remedial Action Work Plan	2003	63,562	68,784	59,418	2003	63,562	68,784	59,418	2003	63,562	68,784	59,418	2003	63,562	68,784	59,418
Plans and Specifications			0	0	2003	10,000	10,822	9,348	2003	75,000	81,161	70,110	2003	50,000	54,108	46,740
Deed Restriction Reviews			0	0	2050	396,360	3,681,401	321,032			0	0			0	0
Misc. Envir. Documents	2003	15,134	16,377	14,147	2003	15,134	16,377	14,147	2003	24,214	26,203	22,635	2003	24,214	26,203	22,635
Remediation Support		66,589	72,059	62,248		66,589	72,059	62,248		156,688	169,560	146,472		156,688	169,560	146,472
Quality Assurance			0	0			0	0	2003	23,510	25,441	21,977	2003	23,510	25,441	21,977
Project Office Operations	2003	66,589	72,059	62,248	2003	66,589	72,059	62,248	2003	133,178	144,119	124,495	2003	133,178	144,119	124,495
Remediation/Tech. Support Act.		35,481	38,396	33,168		37,794	40,899	35,330		44,735	48,410	41,818		44,735	48,410	41,818
Engineering & Tech. Support	2003	35,481	38,396	33,168	2003	37,794	40,899	35,330	2003	44,735	48,410	41,818	2003	44,735	48,410	41,818
Remedial Action		0	0	0		41,290	45,933	37,789		2,107,812	2,344,840	1,929,106		5,673,799	6,311,830	5,192,758
Mobilization & Prep. Work		0	0	0		0	0	0	2004	12,903	14,354	11,809	2004	12,903	14,354	11,809
Sitework		0	0	0	2004	41,290	45,933	37,789	2004	2,054,503	2,285,536	1,880,316	2004	5,602,277	6,232,265	5,127,300
Site Restoration		0	0	0		0	0	0	2004	9,290	10,335	8,502	2004	9,290	10,335	8,502
Demobilization		0	0	0		0	0	0	2004	12,903	14,354	11,809	2004	12,903	14,354	11,809
Other		0	0	0		0	0	0	2004	18,213	20,261	16,669	2004	36,426	40,522	33,338
Removal Actions		0	0	0		0	0	0		48,429	53,875	44,323		48,429	53,875	44,323
Summary Report			0	0			0	0	2004	48,429	53,875	44,323	2004	48,429	53,875	44,323
OPERATIONS COSTS:		2,572,141	23,890,107	2,083,306		2,767,336	25,610,193	2,233,304		0	0	0		0	0	0
Cleanup Tech. Admn. Activities		1,816,070	16,867,701	1,470,926		1,816,070	16,867,701	1,470,926		0	0	0		0	0	0
Proj. & Baseline Mgmt./Report	2050	1,816,070	16,867,701	1,470,926	2050	1,816,070	16,867,701	1,470,926		0	0	0		0	0	0
Post ROD Ops and Maintenance		0	0	0		185,194	1,720,086	149,998		0	0	0		0	0	0
Caretaker Maintenance			0	0	2050	185,194	1,720,086	149,998		0	0	0		0	0	0
Monitoring		756,071	7,022,405	612,380		756,071	7,022,405	612,380		0	0	0		0	0	0
Field Sampling Plan	2050	13,621	126,512	11,032	2050	13,621	126,512	11,032		0	0	0		0	0	0
Sampling	2050	463,986	4,309,513	375,806	2050	463,986	4,309,513	375,806		0	0	0		0	0	0
5-Year Reviews	2050	278,464	2,586,380	225,542	2050	278,464	2,586,380	225,542		0	0	0		0	0	0
G&A and PIF		0	0	0		1,274	11,833	1,032		53,769	499,408	43,550		141,275	1,312,166	114,426
Non-Org G&A and PIF	2050		0	0	2050	1,274	11,833	1,032	2050	53,769	499,408	43,550	2050	141,275	1,312,166	114,426
SUBTOTAL COSTS		3,059,181	24,417,158	2,538,593		3,695,612	29,889,736	3,059,954		2,961,488	3,711,336	2,719,463		6,789,981	8,680,461	6,217,582
Plus: 30% Contingency		917,754	7,325,147	761,578		1,108,684	8,966,921	917,986		888,446	1,113,401	815,839		2,036,994	2,604,138	1,865,275
TOTAL COSTS		3,976,935	31,742,305	3,300,171		4,804,296	38,856,656	3,977,941		3,849,934	4,824,737	3,535,302		8,826,975	11,284,599	8,082,857

COST ESTIMATE SUPPORT DATA RECAPITULATION

Project Title: WAG 10 OU-10-04 Feasibility Study (STF Gun Range)
Estimator: K.L. Sorman, S.N. Wasley, S.L. Coward
Date: June 4, 2001
Estimate Type: Planning
File: 8950-7
Approved By: 

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

The scope of work includes preparing Planning Cost Estimates for the WAG-10 STF Gun Range Feasibility Study. Four options were prepared as follows:

- 1) No Action includes groundwater monitoring and soil sampling of the STF Gun Range.
- 2) Limited Action includes groundwater monitoring and soil sampling of the STF Gun Range and installation of fencing and signs for 100 years.
- 3) Remediation Actions
 - 3A) Chemically stabilize all soils after removal of bullets and metal fragments using Portland-based cement type grout; dispose of stabilized soil at the CFA Landfill.
 - 3B) Treat soil by acid washing after removal of bullets and metal fragments, return soil to site, and send secondary waste to the RCRA Landfill in Arlington, Oregon for treatment and disposal.

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

The basis for the estimate includes:

- A. Information provided by the requester defining scope of work.
- B. Remediation technology information obtained from Environmental Restoration cost handbooks/manuals.

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

General assumptions for all options:

- A. It was assumed that previously qualified and trained personnel would complete the work; no costs have been included in these estimates to train personnel.

COST ESTIMATE SUPPORT DATA RECAPITULATION

- Continued -

Project Title: WAG 10 OU-10-04 Feasibility Study (STF Gun Range)

File: 8950-2

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- B. It was assumed that all berms would be completely removed and excavated to a depth of 1 foot.
- C. Per the direction of the requester, all pre-remediation documentation, planning, etc., were assumed to be completed during FY 2003. All remediation activities were assumed to be started during FY 2004.
- D. It was assumed that the surrounding STF-02 Gun Range areas, including the adjacent pond, would be excavated to 1 foot for capture of lead and copper.
- E. It was assumed that the lead and copper would be taken to a local vendor for recycle.
- F. It was assumed that temporary power and utilities would be required.
- G. It was assumed that no remediation would be required for Building STF-612, other than disposal at the CFA Landfill.
- H. Internal BBWI General and Administrative (G&A) and Procurement fees were included in the cost estimate.
- I. No surcharge was included in these estimates for disposal at the CFA Landfill. It was assumed that the Common Support Funding currently used at the INEEL would cover the cost.

Specific Assumptions:

A. No Action Alternative:

- 1. It was assumed that the No Action Alternative would require 100 years of monitoring, with groundwater sampling (assume 8 samples/year), soil sampling (assume 10 samples/every 5 years and analyzed for metals) for the duration.

B. Limited Action Alternative:

- 1. It was assumed that the Limited Action Alternative would require 100 years of monitoring, with groundwater sampling (assume 8 samples/year), soil sampling (assume 10 samples/every 5 years and analyzed for metals) for the duration.
- 2. Installation of fencing and signs was included in this option.

COST ESTIMATE SUPPORT DATA RECAPITULATION

- Continued -

Project Title: WAG 10 OU-10-04 Feasibility Study (STF Gun Range)
File: 8950-2

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3. It was assumed that deed restrictions for 100 years would be required for the Limited Action only.

C. Alternative 3A:

- A. The contaminated soils would be stabilized and sent to the landfill at CFA.
- B. It was assumed that 30 soil samples would be collected and analyzed for metals. No monitoring/sampling will be performed for outyears.
- C. It was assumed that 70 railroad ties, containing no dioxins in the creosote, would be sent and accepted at the Landfill in Arlington, Oregon. The railroad ties would be shipped in a roll-off box. Costs were not included for any overnight stays for the loading of the ties.

D. Alternative 3B:

1. It was assumed that 30 soil samples would be collected and analyzed for metals. No monitoring/sampling will be performed for outyears.
2. It was assumed that a Treatability Study would be included in this option.
3. It was assumed that 70 railroad ties, containing no dioxins in the creosote, would be sent and accepted at the Landfill in Arlington, Oregon. The railroad ties would be shipped in a roll-off box. Costs were not included for any overnight stays for the loading of the ties.
4. It was assumed that the soil treatment would be completed in two campaigns at approximately 10,000 tons each campaign, using 20,000 gallons water per campaign.
5. It was assumed that 90% clean soil would be replaced at the excavated area and 10% contaminated soil would be disposed of.

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

Based on the preliminary scoping, time constraints, and unforeseen risks, contingency was included in these cost estimates at 30%.

V. OTHER COMMENTS/CONCERNS SPECIFIC TO THE ESTIMATE:

COST ESTIMATE SUPPORT DATA RECAPITULATION

- Continued -

Project Title: WAG 10 OU-10-04 Feasibility Study (STF Gun Range)
File: 8950-2

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Escalation was applied per DOE Order 430.1 for the first 6 years. 2.9% (which was the last escalation rate forecasted on the guidance) was used for the next 4 years. Then 5% per year was used for the remaining outyears. The costs were discounted at a straight 5% per DOE ER guidance.

Due to minimal detail and scoping definition, this estimate is considered a "Planning" estimate and is not intended to be used to establish a cost baseline.

Project Name:
WAG 10 OU10-4 FEASIBILITY STUDY- STF GUN RANGE (No Action)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(No Action)**

Project Summary Report

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **PLANNING**

<u>LEVEL</u>		<u>Estimate Subtotal</u>	<u>Escalation</u>	<u>Contingency</u>	<u>Contingency %</u>	<u>TOTAL</u>
ER1210	REMEDIAL DESIGN	\$384,971	\$0	\$0	0.00%	\$384,971
ER 1210.02	--Remedial Design/Remedial Action (RD/RA) Statement of Work	\$54,482	\$0	\$0	0.00%	\$54,482
ER 1210.02.01	---Pre-Design Studies/Preliminary Scoping	\$18,161	\$0	\$0	0.00%	\$18,161
ER 1210.02.02	---Design Criteria	\$3,027	\$0	\$0	0.00%	\$3,027
ER 1210.02.03	---RD/RA SOW Preparation	\$33,295	\$0	\$0	0.00%	\$33,295
ER1210.05	--Remedial Design (RD) Work Plan	\$17,444	\$0	\$0	0.00%	\$17,444
ER 1210.05.01	---Pre-Design Studies/Preminiary Scoping	\$12,107	\$0	\$0	0.00%	\$12,107
ER 1210.05.04	---Cost Estimate	\$5,336	\$0	\$0	0.00%	\$5,336
ER 1210.10	--Environmental, Safety and Health Plan	\$101,170	\$0	\$0	0.00%	\$101,170
ER 1210.11	--Sampling and Analysis Plan	\$108,964	\$0	\$0	0.00%	\$108,964
ER 1210.12	--Quality Assurance Project Plan (QAPjP)	\$12,107	\$0	\$0	0.00%	\$12,107
ER 1210.13	--Site Operations and Maintenance (O&M) Plan	\$12,107	\$0	\$0	0.00%	\$12,107
ER 1210.15	--Remedial Action (RA) Work Plan	\$63,562	\$0	\$0	0.00%	\$63,562
ER 1210.20	--Miscellaneous Environmental Documents	\$15,134	\$0	\$0	0.00%	\$15,134
ER 1220	REMEDICATION SUPPORT	\$66,589	\$0	\$0	0.00%	\$66,589
ER 1220.05	--Project Office Operations	\$66,589	\$0	\$0	0.00%	\$66,589
ER 1221	REMEDICATION/TECHNICAL SUPPORT ACTIVITIES	\$35,481	\$0	\$0	0.00%	\$35,481
ER1221.04	--Engineering and Technical Support	\$35,481	\$0	\$0	0.00%	\$35,481
ER1221.04.01	---Annual Program Management	\$35,481	\$0	\$0	0.00%	\$35,481
ER 1240	CLEANUP TECHNICAL ADMINISTRATIVE ACTIVITIES	\$1,816,070	\$0	\$0	0.00%	\$1,816,070

INEEL

Project Name:
WAG 10 OU10-4 FEASIBILITY STUDY- STF GUN RANGE (No Action)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(No Action)**

Project Summary Report

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **PLANNING**

<u>LEVEL</u>	<u>Estimate Subtotal</u>	<u>Escalation</u>	<u>Contingency</u>	<u>Contingency %</u>	<u>TOTAL</u>
ER 1240.01 --Project and Baseline Management and Reporting	\$1,816,070	\$0	\$0	0.00%	\$1,816,070
ER1240.01.01 ----Project Management 100 year Duration	\$1,816,070	\$0	\$0	0.00%	\$1,816,070
ER 1310 MONITORING	\$756,071	\$0	\$0	0.00%	\$756,071
ER 1310.01 --Field Sampling Plan	\$13,621	\$0	\$0	0.00%	\$13,621
ER 1310.01.01 ----Field Sampling Plan	\$13,621	\$0	\$0	0.00%	\$13,621
ER 1310.02 --Sampling	\$463,986	\$0	\$0	0.00%	\$463,986
ER 1310.05 --5-Year Reviews	\$278,464	\$0	\$0	0.00%	\$278,464
<hr/>					
Total WAG-10 OU10-4 STF GUN RANGE (NO ACTION)	\$3,059,182	\$0	\$0	0.00%	\$3,059,182

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INEEL

06/07/2001 13:51:46

Project Name:
WAG 10 OU10-4 FEASIBILITY STUDY- STF GUN RANGE (No Action)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(No Action)**

CONSTRUCTION DETAIL ITEM REPORT

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **PLANNING**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Eqp</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
--- ER 1210.02.01 Pre-Design Studies/Preliminary Scoping										
	U.C. per FTE		80	E08	6053.568	0	0	0	0	6053.568
Pre-Design Studies/Preliminary Scoping		3.00	240	\$75.67	\$18,161	\$0	\$0	\$0	\$0	\$18,161
Subtotal					\$18,161	\$0	\$0	\$0	\$0	\$18,161
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$18,161
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1210.02.01 Pre-Design Studies/Preliminary Scoping			240		\$18,161	\$0	\$0	\$0	\$0	\$18,161
--- ER 1210.02.02 Design Criteria										
	U.C. per FTE		40	E08	3026.784	0	0	0	0	3026.784
Design Criteria		1.00	40	\$75.67	\$3,027	\$0	\$0	\$0	\$0	\$3,027
Subtotal					\$3,027	\$0	\$0	\$0	\$0	\$3,027
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$3,027
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1210.02.02 Design Criteria			40		\$3,027	\$0	\$0	\$0	\$0	\$3,027
--- ER 1210.02.03 RD/RA SOW Preparation										
	U.C. per		80	E08	6053.568	0	0	0	0	6053.568
RD/RA Document Preparation		1.00	80	\$75.67	\$6,054	\$0	\$0	\$0	\$0	\$6,054
	U.C. per		360	E08	27241.055	0	0	0	0	27241.055
Reviews and Comment Resolution		1.00	360	\$75.67	\$27,241	\$0	\$0	\$0	\$0	\$27,241
Subtotal					\$33,295	\$0	\$0	\$0	\$0	\$33,295
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$33,295
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1210.02.03 RD/RA SOW Preparation			440		\$33,295	\$0	\$0	\$0	\$0	\$33,295
--- ER 1210.05.01 Pre-Design Studies/Preminary Scoping										
	U.C. per FTE		160	E08	12107.136	0	0	0	0	12107.136
Preliminary Scoping		1.00	160	\$75.67	\$12,107	\$0	\$0	\$0	\$0	\$12,107

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Project Name:
WAG 10 OUI0-4 FEASIBILITY STUDY- STF GUN RANGE (No Action)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(No Action)**

CONSTRUCTION DETAIL ITEM REPORT

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **PLANNING**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Eqp</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
--- ER 1210.05.01 Pre-Design Studies/Preliminary Scoping										
	Subtotal				\$12,107	\$0	\$0	\$0	\$0	\$12,107
	Sales Tax				\$0	\$0	\$0	\$0	\$0	\$0
	INEEL ORG Labor/Subcontractor Overheads				\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal Estimate									\$12,107
	Escalation				\$0	\$0	\$0	\$0	\$0	\$0
	Contingency				\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1210.05.01 Pre-Design Studies/Preliminary Scoping			160		\$12,107	\$0	\$0	\$0	\$0	\$12,107
--- ER 1210.05.04 Cost Estimate										
	U.C. per FTE		80	F22	5336.432	0	0	0	0	5336.432
	Cost Estimating Support	1.00	80	\$66.71	\$5,336	\$0	\$0	\$0	\$0	\$5,336
	Subtotal				\$5,336	\$0	\$0	\$0	\$0	\$5,336
	Sales Tax				\$0	\$0	\$0	\$0	\$0	\$0
	INEEL ORG Labor/Subcontractor Overheads				\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal Estimate									\$5,336
	Escalation				\$0	\$0	\$0	\$0	\$0	\$0
	Contingency				\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1210.05.04 Cost Estimate			80		\$5,336	\$0	\$0	\$0	\$0	\$5,336
--- ER 1210.10 Environmental, Safety and Health Plan										
	U.C. per FTE		191	E08	14452.893	0	0	0	0	14452.893
		7.00	1,337	\$75.67	\$101,170	\$0	\$0	\$0	\$0	\$101,170
	Subtotal				\$101,170	\$0	\$0	\$0	\$0	\$101,170
	Sales Tax				\$0	\$0	\$0	\$0	\$0	\$0
	INEEL ORG Labor/Subcontractor Overheads				\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal Estimate									\$101,170
	Escalation				\$0	\$0	\$0	\$0	\$0	\$0
	Contingency				\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1210.10 Environmental, Safety and Health Plan			1,337		\$101,170	\$0	\$0	\$0	\$0	\$101,170
--- ER 1210.11 Sampling and Analysis Plan										
	U.C. per FTE		480	E08	36321.407	0	0	0	0	36321.407
	Sampling & Analysis Plan (Scoping, field samp plan, & reviews & comments)	3.00	1,440	\$75.67	\$108,964	\$0	\$0	\$0	\$0	\$108,964

12-11

Project Name: **WAG 10 OU10-4 FEASIBILITY STUDY- STF GUN RANGE (No Action)**
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(No Action)**

CONSTRUCTION DETAIL ITEM REPORT

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **PLANNING**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Egg</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
--- ER 1210.11 Sampling and Analysis Plan										
					\$108,964	\$0	\$0	\$0	\$0	\$108,964
					\$0	\$0	\$0	\$0	\$0	\$0
					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$108,964
					\$0	\$0	\$0	\$0	\$0	\$0
					\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1210.11 Sampling and Analysis Plan			1,440		\$108,964	\$0	\$0	\$0	\$0	\$108,964
--- ER 1210.12 Quality Assurance Project Plan (QAPjP)										
	U.C. per FTE		160	E08	12107.136	0	0	0	0	12107.136
		1.00	160	\$75.67	\$12,107	\$0	\$0	\$0	\$0	\$12,107
					\$12,107	\$0	\$0	\$0	\$0	\$12,107
					\$0	\$0	\$0	\$0	\$0	\$0
					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$12,107
					\$0	\$0	\$0	\$0	\$0	\$0
					\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1210.12 Quality Assurance Project Plan (QAPjP)			160		\$12,107	\$0	\$0	\$0	\$0	\$12,107
--- ER 1210.13 Site Operations and Maintenance (O&M) Plan										
	U.C. per FTE		160	E08	12107.136	0	0	0	0	12107.136
		1.00	160	\$75.67	\$12,107	\$0	\$0	\$0	\$0	\$12,107
					\$12,107	\$0	\$0	\$0	\$0	\$12,107
					\$0	\$0	\$0	\$0	\$0	\$0
					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$12,107
					\$0	\$0	\$0	\$0	\$0	\$0
					\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1210.13 Site Operations and Maintenance (O&M) Plan			160		\$12,107	\$0	\$0	\$0	\$0	\$12,107
--- ER 1210.15 Remedial Action (RA) Work Plan										
	U.C. per FTE		280	E08	21187.487	0	0	0	0	21187.487
		3.00	840	\$75.67	\$63,562	\$0	\$0	\$0	\$0	\$63,562

12-12

Project Name:
WAG 10 OU10-4 FEASIBILITY STUDY- STF GUN RANGE (No Action)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(No Action)**

CONSTRUCTION DETAIL ITEM REPORT

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **PLANNING**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Eqp</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
--- ER 1210.15 Remedial Action (RA) Work Plan										
	Subtotal				\$63,562	\$0	\$0	\$0	\$0	\$63,562
	Sales Tax				\$0	\$0	\$0	\$0	\$0	\$0
	INEEL ORG Labor/Subcontractor Overheads				\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal Estimate									\$63,562
	Escalation				\$0	\$0	\$0	\$0	\$0	\$0
	Contingency				\$0	\$0	\$0	\$0	\$0	\$0
--- Total ER 1210.15 Remedial Action (RA) Work Plan			840		\$63,562	\$0	\$0	\$0	\$0	\$63,562
--- ER 1210.20 Miscellaneous Environmental Documents										
	Pre-Final Inspection Report	U.C. per	100	E08	7566.96	0	0	0	0	7566.96
			2.00	200	\$75.67	\$15,134	\$0	\$0	\$0	\$15,134
	Subtotal				\$15,134	\$0	\$0	\$0	\$0	\$15,134
	Sales Tax				\$0	\$0	\$0	\$0	\$0	\$0
	INEEL ORG Labor/Subcontractor Overheads				\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal Estimate									\$15,134
	Escalation				\$0	\$0	\$0	\$0	\$0	\$0
	Contingency				\$0	\$0	\$0	\$0	\$0	\$0
--- Total ER 1210.20 Miscellaneous Environmental Documents			200		\$15,134	\$0	\$0	\$0	\$0	\$15,134
--- ER 1220.05 Project Office Operations										
	Coord./Oversight of the technical Support	U.C. per FTE	320	E08	24214.271	0	0	0	0	24214.271
			1.00	320	\$75.67	\$24,214	\$0	\$0	\$0	\$24,214
	Coord. with Agency Participants	U.C. per FTE	160	E08	12107.136	0	0	0	0	12107.136
			1.00	160	\$75.67	\$12,107	\$0	\$0	\$0	\$12,107
	Cost and Schedule Control	U.C. per FTE	160	E08	12107.136	0	0	0	0	12107.136
			1.00	160	\$75.67	\$12,107	\$0	\$0	\$0	\$12,107
	Ensure Compliance of Gov't Regulations	U.C. per FTE	80	E08	6053.568	0	0	0	0	6053.568
			1.00	80	\$75.67	\$6,054	\$0	\$0	\$0	\$6,054
	Quarterly and Yearly Reviews	U.C. per FTE	80	E08	6053.568	0	0	0	0	6053.568
			1.00	80	\$75.67	\$6,054	\$0	\$0	\$0	\$6,054

12-13

Project Name:
WAG 10 OU10-4 FEASIBILITY STUDY- STF GUN RANGE (No Action)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(No Action)**

CONSTRUCTION DETAIL ITEM REPORT

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **PLANNING**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Eqp</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
--- ER 1220.05 Project Office Operations										
		U.C. per FTE	1.00	80	E08	6053,568	0	0	0	6053,568
	Audit Preparation and Coordination		1.00	80	\$75.67	\$6,054	\$0	\$0	\$0	\$6,054
Subtotal						\$66,589	\$0	\$0	\$0	\$66,589
Sales Tax						\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads						\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$66,589
Escalation						\$0	\$0	\$0	\$0	\$0
Contingency						\$0	\$0	\$0	\$0	\$0
---Total ER 1220.05 Project Office Operations			880			\$66,589	\$0	\$0	\$0	\$66,589
--- ER1221.04.01 Annual Program Management										
<i>Memo: All Quality Engineering actions and inspections-related actions that are required to plan and perform surveillance-related activities during the execution and start-up phases of a project.</i>										
		U.C. per FTE	1.00	200	E08	15133,919	0	0	0	15133,919
	Coordination/Oversight of Technical Support		1.00	200	\$75.67	\$15,134	\$0	\$0	\$0	\$15,134
	Coordination with Agency Participants	U.C. per FTE	1.00	80	E08	6053,568	0	0	0	6053,568
			1.00	80	\$75.67	\$6,054	\$0	\$0	\$0	\$6,054
	Cost and Schedule Control	U.C. per FTE	1.00	60	F22	4002,324	0	0	0	4002,324
			1.00	60	\$66.71	\$4,002	\$0	\$0	\$0	\$4,002
	Ensure Compliance of Gov't Regulation	U.C. per FTE	1.00	32	E08	2421,427	0	0	0	2421,427
			1.00	32	\$75.67	\$2,421	\$0	\$0	\$0	\$2,421
	Reviews	U.C. per FTE	1.00	32	E08	2421,427	0	0	0	2421,427
			1.00	32	\$75.67	\$2,421	\$0	\$0	\$0	\$2,421
	Audit Preparation and Coordination	U.C. per FTE	1.00	32	E08	2421,427	0	0	0	2421,427
			1.00	32	\$75.67	\$2,421	\$0	\$0	\$0	\$2,421
	Annual Operations and Maintenance Reports	U.C. per FTE	1.00	40	E08	3026,784	0	0	0	3026,784
			1.00	40	\$75.67	\$3,027	\$0	\$0	\$0	\$3,027
Subtotal						\$35,481	\$0	\$0	\$0	\$35,481
Sales Tax						\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads						\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$35,481
Escalation						\$0	\$0	\$0	\$0	\$0
Contingency						\$0	\$0	\$0	\$0	\$0
---Total ER1221.04.01 Annual Program Management			476			\$35,481	\$0	\$0	\$0	\$35,481

12-14

Project Name:
WAG 10 OU10-4 FEASIBILITY STUDY- STF GUN RANGE (No Action)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(No Action)**

CONSTRUCTION DETAIL ITEM REPORT

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **PLANNING**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Eqp</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
-- ER1240.01.01 Project Management 100 year Duration										
<i>Memo: All Quality Engineering actions and Inspections-related actions that are required to plan and perform surveillance-related activities during the execution and start-up phases of a project.</i>										
Project Management for 100 year Duration		U.C. per YRS	240	E08	18160.703	0	0	0	0	18160.703
		100.00	24,000	\$75.67	\$1,816,070	\$0	\$0	\$0	\$0	\$1,816,070
Subtotal					\$1,816,070	\$0	\$0	\$0	\$0	\$1,816,070
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$1,816,070
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
-- Total ER1240.01.01 Project Management 100 year Duration			24,000		\$1,816,070	\$0	\$0	\$0	\$0	\$1,816,070
-- ER 1310.01.01 Field Sampling Plan										
Write Field Sampling Plan		U.C. per	100	E08	7566.96	0	0	0	0	7566.96
		1.00	100	\$75.67	\$7,567	\$0	\$0	\$0	\$0	\$7,567
Field Sampling Revisions/Reviews		U.C. per Yrs	4	E08	302.678	0	0	0	0	302.678
		20.00	80	\$75.67	\$6,054	\$0	\$0	\$0	\$0	\$6,054
Subtotal					\$13,621	\$0	\$0	\$0	\$0	\$13,621
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$13,621
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
-- Total ER 1310.01.01 Field Sampling Plan			180		\$13,621	\$0	\$0	\$0	\$0	\$13,621
--- ER 1310.02 Sampling										
Soil Sampling 10 every 5 years for 100 years		U.C. per EA	16	T15	773.31	0	0	0	0	773.31
		200.00	3,200	\$48.33	\$154,662	\$0	\$0	\$0	\$0	\$154,662
Groundwater Sampling 4X100 year Duration		U.C. per EA	16	T15	773.31	0	0	0	0	773.31
		400.00	6,400	\$48.33	\$309,324	\$0	\$0	\$0	\$0	\$309,324
Subtotal					\$463,986	\$0	\$0	\$0	\$0	\$463,986
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$463,986
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
--- Total ER 1310.02 Sampling			9,600		\$463,986	\$0	\$0	\$0	\$0	\$463,986

12-15

Project Name:
WAG 10 OU10-4 FEASIBILITY STUDY- STF GUN RANGE (No Action)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(No Action)**

CONSTRUCTION DETAIL ITEM REPORT

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **PLANNING**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Egg</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
--- ER 1310.05 5-Year Reviews										
1 FTE for first 5 years	U.C. per FTEs	5.00	800	E08 \$75.67	12107.136 \$60,536	0 \$0	0 \$0	0 \$0	0 \$0	12107.136 \$60,536
1 FTE in 5 year increments from year 6 through 100	U.C. per FTEs	18.00	2,880	E08 \$75.67	12107.136 \$217,928	0 \$0	0 \$0	0 \$0	0 \$0	12107.136 \$217,928
Subtotal					\$278,464	\$0	\$0	\$0	\$0	\$278,464
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$278,464
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1310.05 5-Year Reviews			3,680		\$278,464	\$0	\$0	\$0	\$0	\$278,464
<hr/>										
Subtotal WAG-10 OU10-4 STF GUN RANGE (NO ACTION)					\$3,059,182	\$0	\$0	\$0	\$0	\$3,059,182
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$3,059,182
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
Total WAG-10 OU10-4 STF GUN RANGE (NO ACTION)			43,913		\$3,059,182	\$0	\$0	\$0	\$0	\$3,059,182

12-16

Project Name:
WAG 10 OU10-04 FEASIBILITY STUDY - STF GUN RANGE (Limited Action)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(Limited Action)**

Project Summary Report

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **Planning**

<u>LEVEL</u>		<u>Estimate Subtotal</u>	<u>Escalation</u>	<u>Contingency</u>	<u>Contingency %</u>	<u>TOTAL</u>
ER1210	REMEDIAL DESIGN	\$791,331	\$0	\$0	0.00%	\$791,331
ER 1210.02	--Remedial Design/Remedial Action (RD/RA) Statement of Work	\$54,482	\$0	\$0	0.00%	\$54,482
ER 1210.02.01	---Pre-Design Studies/Preliminary Scoping	\$18,161	\$0	\$0	0.00%	\$18,161
ER 1210.02.02	---Design Criteria	\$3,027	\$0	\$0	0.00%	\$3,027
ER 1210.02.03	---RD/RA SOW Preparation	\$33,295	\$0	\$0	0.00%	\$33,295
ER1210.05	--Remedial Design (RD) Work Plan	\$17,444	\$0	\$0	0.00%	\$17,444
ER 1210.05.01	---Pre-Design Studies/Preiminary Scoping	\$12,107	\$0	\$0	0.00%	\$12,107
ER 1210.05.04	---Cost Estimate	\$5,336	\$0	\$0	0.00%	\$5,336
ER 1210.10	--Environmental, Safety and Health Plan	\$101,170	\$0	\$0	0.00%	\$101,170
ER 1210.11	--Sampling and Analysis Plan	\$108,964	\$0	\$0	0.00%	\$108,964
ER 1210.12	--Quality Assurance Project Plan (QAPjP)	\$12,107	\$0	\$0	0.00%	\$12,107
ER 1210.13	--Site Operations and Maintenance (O&M) Plan	\$12,107	\$0	\$0	0.00%	\$12,107
ER 1210.15	--Remedial Action (RA) Work Plan	\$63,562	\$0	\$0	0.00%	\$63,562
ER 1210.16	--Plans and Specifications	\$10,000	\$0	\$0	0.00%	\$10,000
ER 1210.19	--Deed Restriction Reviews	\$396,360	\$0	\$0	0.00%	\$396,360
ER 1210.20	--Miscellaneous Environmental Documents	\$15,134	\$0	\$0	0.00%	\$15,134
ER 1220	REMEDATION SUPPORT	\$66,589	\$0	\$0	0.00%	\$66,589
ER 1220.05	--Project Office Operations	\$66,589	\$0	\$0	0.00%	\$66,589
ER 1221	REMEDATION/TECHNICAL SUPPORT ACTIVITIES	\$37,794	\$0	\$0	0.00%	\$37,794
ER1221.04	--Engineering and Technical Support	\$37,794	\$0	\$0	0.00%	\$37,794

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12-17

Project Name: **CONSTRUCTION DETAIL ITEM REPORT**
WAG 10 OU10-04 FEASIBILITY STUDY - STF GUN RANGE (Limited Action)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(Limited Action)**

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **Planning**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Egg</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
--- ER 1210.02.01 Pre-Design Studies/Preliminary Scoping										
Pre-Design Studies/Preliminary Scoping	U.C. per FTE	3.00	80 240	E08 \$75.67	6053.568 \$18,161	0 \$0	0 \$0	0 \$0	0 \$0	6053.568 \$18,161
Subtotal					\$18,161	\$0	\$0	\$0	\$0	\$18,161
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$18,161
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1210.02.01 Pre-Design Studies/Preliminary Scoping			240		\$18,161	\$0	\$0	\$0	\$0	\$18,161
--- ER 1210.02.02 Design Criteria										
Design Criteria	U.C. per FTE	1.00	40 40	E08 \$75.67	3026.784 \$3,027	0 \$0	0 \$0	0 \$0	0 \$0	3026.784 \$3,027
Subtotal					\$3,027	\$0	\$0	\$0	\$0	\$3,027
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$3,027
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1210.02.02 Design Criteria			40		\$3,027	\$0	\$0	\$0	\$0	\$3,027
--- ER 1210.02.03 RD/RA SOW Preparation										
RD/RA Document Preparation	U.C. per	1.00	80 80	E08 \$75.67	6053.568 \$6,054	0 \$0	0 \$0	0 \$0	0 \$0	6053.568 \$6,054
Reviews and Comment Resolution	U.C. per	1.00	360 360	E08 \$75.67	27241.055 \$27,241	0 \$0	0 \$0	0 \$0	0 \$0	27241.055 \$27,241
Subtotal					\$33,295	\$0	\$0	\$0	\$0	\$33,295
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$33,295
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1210.02.03 RD/RA SOW Preparation			440		\$33,295	\$0	\$0	\$0	\$0	\$33,295
--- ER 1210.05.01 Pre-Design Studies/Preliminary Scoping										
Preliminary Scoping	U.C. per FTE	1.00	160 160	E08 \$75.67	12107.136 \$12,107	0 \$0	0 \$0	0 \$0	0 \$0	12107.136 \$12,107

12-19

Project Name:
WAG 10 OU10-04 FEASIBILITY STUDY - STF GUN RANGE (Limited Action)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(Limited Action)**

CONSTRUCTION DETAIL ITEM REPORT

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **Planning**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Eqp</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
--- ER 1210.05.01 Pre-Design Studies/Preiminary Scoping										
	Subtotal				\$12,107	\$0	\$0	\$0	\$0	\$12,107
	Sales Tax				\$0	\$0	\$0	\$0	\$0	\$0
	INEEL ORG Labor/Subcontractor Overheads				\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal Estimate									\$12,107
	Escalation				\$0	\$0	\$0	\$0	\$0	\$0
	Contingency				\$0	\$0	\$0	\$0	\$0	\$0
--- Total ER 1210.05.01 Pre-Design Studies/Preiminary Scoping			160		\$12,107	\$0	\$0	\$0	\$0	\$12,107
--- ER 1210.05.04 Cost Estimate										
	U.C. per FTE		80	F22	5336.432	0	0	0	0	5336.432
	Cost Estimating Support	1.00	80	\$66.71	\$5,336	\$0	\$0	\$0	\$0	\$5,336
	Subtotal				\$5,336	\$0	\$0	\$0	\$0	\$5,336
	Sales Tax				\$0	\$0	\$0	\$0	\$0	\$0
	INEEL ORG Labor/Subcontractor Overheads				\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal Estimate									\$5,336
	Escalation				\$0	\$0	\$0	\$0	\$0	\$0
	Contingency				\$0	\$0	\$0	\$0	\$0	\$0
--- Total ER 1210.05.04 Cost Estimate			80		\$5,336	\$0	\$0	\$0	\$0	\$5,336
--- ER 1210.10 Environmental, Safety and Health Plan										
	U.C. per FTE		191	E08	14452.893	0	0	0	0	14452.893
		7.00	1,337	\$75.67	\$101,170	\$0	\$0	\$0	\$0	\$101,170
	Subtotal				\$101,170	\$0	\$0	\$0	\$0	\$101,170
	Sales Tax				\$0	\$0	\$0	\$0	\$0	\$0
	INEEL ORG Labor/Subcontractor Overheads				\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal Estimate									\$101,170
	Escalation				\$0	\$0	\$0	\$0	\$0	\$0
	Contingency				\$0	\$0	\$0	\$0	\$0	\$0
--- Total ER 1210.10 Environmental, Safety and Health Plan			1,337		\$101,170	\$0	\$0	\$0	\$0	\$101,170
--- ER 1210.11 Sampling and Analysis Plan										
	U.C. per FTE		480	E08	36321.407	0	0	0	0	36321.407
	Sampling & Analysis Plan (Scoping, field samp plan, & reviews & comments)	3.00	1,440	\$75.67	\$108,964	\$0	\$0	\$0	\$0	\$108,964

12-20

Project Name: **CONSTRUCTION DETAIL ITEM REPORT**
WAG 10 OU10-04 FEASIBILITY STUDY - STF GUN RANGE (Limited Action)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(Limited Action)**

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **Planning**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Eqp</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
-- ER 1210.11 Sampling and Analysis Plan										
	Subtotal				\$108,964	\$0	\$0	\$0	\$0	\$108,964
	Sales Tax				\$0	\$0	\$0	\$0	\$0	\$0
	INEEL ORG Labor/Subcontractor Overheads				\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal Estimate									\$108,964
	Escalation				\$0	\$0	\$0	\$0	\$0	\$0
	Contingency				\$0	\$0	\$0	\$0	\$0	\$0
-- Total ER 1210.11 Sampling and Analysis Plan			1,440		\$108,964	\$0	\$0	\$0	\$0	\$108,964
-- ER 1210.12 Quality Assurance Project Plan (QAP)P										
	U.C. per FTE		160	E08	12107.136	0	0	0	0	12107.136
		1.00	160	\$75.67	\$12,107	\$0	\$0	\$0	\$0	\$12,107
	Subtotal				\$12,107	\$0	\$0	\$0	\$0	\$12,107
	Sales Tax				\$0	\$0	\$0	\$0	\$0	\$0
	INEEL ORG Labor/Subcontractor Overheads				\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal Estimate									\$12,107
	Escalation				\$0	\$0	\$0	\$0	\$0	\$0
	Contingency				\$0	\$0	\$0	\$0	\$0	\$0
--- Total ER 1210.12 Quality Assurance Project Plan (QAP)P			160		\$12,107	\$0	\$0	\$0	\$0	\$12,107
--- ER 1210.13 Site Operations and Maintenance (O&M) Plan										
	U.C. per FTE		160	E08	12107.136	0	0	0	0	12107.136
		1.00	160	\$75.67	\$12,107	\$0	\$0	\$0	\$0	\$12,107
	Subtotal				\$12,107	\$0	\$0	\$0	\$0	\$12,107
	Sales Tax				\$0	\$0	\$0	\$0	\$0	\$0
	INEEL ORG Labor/Subcontractor Overheads				\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal Estimate									\$12,107
	Escalation				\$0	\$0	\$0	\$0	\$0	\$0
	Contingency				\$0	\$0	\$0	\$0	\$0	\$0
--- Total ER 1210.13 Site Operations and Maintenance (O&M) Plan			160		\$12,107	\$0	\$0	\$0	\$0	\$12,107
--- ER 1210.15 Remedial Action (RA) Work Plan										
	U.C. per FTE		280	E08	21187.487	0	0	0	0	21187.487
		3.00	840	\$75.67	\$63,562	\$0	\$0	\$0	\$0	\$63,562

12-21

Project Name:
WAG 10 OU10-04 FEASIBILITY STUDY - STF GUN RANGE (Limited Action)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(Limited Action)**

CONSTRUCTION DETAIL ITEM REPORT

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **Planning**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Eqp</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
--- ER 1210.15 Remedial Action (RA) Work Plan										
	Subtotal				\$63,562	\$0	\$0	\$0	\$0	\$63,562
	Sales Tax				\$0	\$0	\$0	\$0	\$0	\$0
	INEEL ORG Labor/Subcontractor Overheads				\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal Estimate									\$63,562
	Escalation				\$0	\$0	\$0	\$0	\$0	\$0
	Contingency				\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1210.15 Remedial Action (RA) Work Plan			840		\$63,562	\$0	\$0	\$0	\$0	\$63,562
--- ER 1210.16 Plans and Specifications										
		U.C. per LS			0	0	10000	0	0	10000
	Design of Fence, etc.		1.00	0	\$0	\$0	\$10,000	\$0	\$0	\$10,000
	Subtotal				\$0	\$0	\$10,000	\$0	\$0	\$10,000
	Sales Tax				\$0	\$0	\$0	\$0	\$0	\$0
	INEEL ORG Labor/Subcontractor Overheads				\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal Estimate									\$10,000
	Escalation				\$0	\$0	\$0	\$0	\$0	\$0
	Contingency				\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1210.16 Plans and Specifications			0		\$0	\$0	\$10,000	\$0	\$0	\$10,000
--- ER 1210.19 Deed Restriction Reviews										
		U.C. per EA		240	P13	19818.014	0	0	0	19818.014
	5-yr. review of Deed Restrict. over 100 yrs. (Legal Attorney & Env. Affairs)		20.00	4,800	\$82.58	\$396,360	\$0	\$0	\$0	\$396,360
	Subtotal				\$396,360	\$0	\$0	\$0	\$0	\$396,360
	Sales Tax				\$0	\$0	\$0	\$0	\$0	\$0
	INEEL ORG Labor/Subcontractor Overheads				\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal Estimate									\$396,360
	Escalation				\$0	\$0	\$0	\$0	\$0	\$0
	Contingency				\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1210.19 Deed Restriction Reviews			4,800		\$396,360	\$0	\$0	\$0	\$0	\$396,360
--- ER 1210.20 Miscellaneous Environmental Documents										
		U.C. per		100	E08	7566.96	0	0	0	7566.96
	Pre-Final Inspection Report		2.00	200	\$75.67	\$15,134	\$0	\$0	\$0	\$15,134

12-22

Project Name: **CONSTRUCTION DETAIL ITEM REPORT**
WAG 10 OU10-04 FEASIBILITY STUDY - STF GUN RANGE (Limited Action)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(Limited Action)**

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **Planning**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Eqp</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
-- ER 1210.20 Miscellaneous Environmental Documents										
Subtotal					\$15,134	\$0	\$0	\$0	\$0	\$15,134
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$15,134
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
--Total ER 1210.20 Miscellaneous Environmental Documents			200		\$15,134	\$0	\$0	\$0	\$0	\$15,134
-- ER 1220.05 Project Office Operations										
Coord./Oversigh of the technical Support	U.C. per FTE	1.00	320	E08	24214.271	0	0	0	0	24214.271
			320	\$75.67	\$24,214	\$0	\$0	\$0	\$0	\$24,214
Coord. with Agency Participants	U.C. per FTE	1.00	160	E08	12107.136	0	0	0	0	12107.136
			160	\$75.67	\$12,107	\$0	\$0	\$0	\$0	\$12,107
Cost and Schedule Control	U.C. per FTE	1.00	160	E08	12107.136	0	0	0	0	12107.136
			160	\$75.67	\$12,107	\$0	\$0	\$0	\$0	\$12,107
Ensure Compliance of Gov't Regulations	U.C. per FTE	1.00	80	E08	6053.568	0	0	0	0	6053.568
			80	\$75.67	\$6,054	\$0	\$0	\$0	\$0	\$6,054
Quarterly and Yearly Reviews	U.C. per FTE	1.00	80	E08	6053.568	0	0	0	0	6053.568
			80	\$75.67	\$6,054	\$0	\$0	\$0	\$0	\$6,054
Audit Preparation and Coordination	U.C. per FTE	1.00	80	E08	6053.568	0	0	0	0	6053.568
			80	\$75.67	\$6,054	\$0	\$0	\$0	\$0	\$6,054
Subtotal					\$66,589	\$0	\$0	\$0	\$0	\$66,589
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$66,589
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
--Total ER 1220.05 Project Office Operations			880		\$66,589	\$0	\$0	\$0	\$0	\$66,589
-- ER1221.22 Annual Program Management										
Memo: All Quality Engineering actions and Inspections-related actions that are required to plan and perform surveillance-related activities during the execution and start-up phases of a project.										
Coordination/Oversight of Technical Support	U.C. per FTE	1.00	200	E08	15133.919	0	0	0	0	15133.919
			200	\$75.67	\$15,134	\$0	\$0	\$0	\$0	\$15,134
Coordination with Agency Participants	U.C. per FTE	1.00	80	E08	6053.568	0	0	0	0	6053.568
			80	\$75.67	\$6,054	\$0	\$0	\$0	\$0	\$6,054
Cost and Schedule Control	U.C. per FTE	1.00	60	F22	4002.324	0	0	0	0	4002.324
			60	\$66.71	\$4,002	\$0	\$0	\$0	\$0	\$4,002

12-23

Project Name:
WAG 10 OU10-04 FEASIBILITY STUDY - STF GUN RANGE (Limited Action)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(Limited Action)**

CONSTRUCTION DETAIL ITEM REPORT

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **Planning**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Eqp</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
--- ER1221.22 Annual Program Management										
<i>Memo: All Quality Engineering actions and Inspections-related actions that are required to plan and perform surveillance-related activities during the execution and start-up phases of a project.</i>										
	U.C. per FTE		32	E08	2421.427	0	0	0	0	2421.427
Ensure Compliance of Gov't Regulation	1.00		32	\$75.67	\$2,421	\$0	\$0	\$0	\$0	\$2,421
	U.C. per FTE		32	E08	2421.427	0	0	0	0	2421.427
Reviews	1.00		32	\$75.67	\$2,421	\$0	\$0	\$0	\$0	\$2,421
	U.C. per FTE		32	E08	2421.427	0	0	0	0	2421.427
Audit Preparation and Coordination	1.00		32	\$75.67	\$2,421	\$0	\$0	\$0	\$0	\$2,421
	U.C. per FTE		40	E08	3026.784	0	0	0	0	3026.784
Annual Operations and Maintenance Reports	1.00		40	\$75.67	\$3,027	\$0	\$0	\$0	\$0	\$3,027
	U.C. per FTE		40	P21	2313.46	0	0	0	0	2313.46
Subcontract Administrator	1.00		40	\$57.84	\$2,313	\$0	\$0	\$0	\$0	\$2,313
Subtotal					\$37,794	\$0	\$0	\$0	\$0	\$37,794
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$37,794
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
---Total ER1221.22 Annual Program Management			516		\$37,794	\$0	\$0	\$0	\$0	\$37,794
--- ER1230.03 Sitework										
<i>Memo: Apply only when the project is large enough to support dedicated personnel instead of the pool account.</i>										
	GEN	U.C. per LF			0	0	0	20	0	20
Chain Link Fence (w/Gates & Signage)		1,600.00	0		\$0	\$0	\$0	\$32,000	\$0	\$32,000
Subtotal					\$0	\$0	\$0	\$32,000	\$0	\$32,000
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$9,290	\$0	\$9,290
Subtotal Estimate										\$41,290
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
---Total ER1230.03 Sitework			0		\$0	\$0	\$0	\$41,290	\$0	\$41,290
--- ER1221.21 Project Management 100 year Duration										
<i>Memo: All Quality Engineering actions and Inspections-related actions that are required to plan and perform surveillance-related activities during the execution and start-up phases of a project.</i>										
	U.C. per YRS		240	E08	18160.703	0	0	0	0	18160.703
Project Management for 100 year Duration	100.00		24,000	\$75.67	\$1,816,070	\$0	\$0	\$0	\$0	\$1,816,070

12-24

Project Name: **CONSTRUCTION DETAIL ITEM REPORT**
WAG 10 OU10-04 FEASIBILITY STUDY - STF GUN RANGE (Limited Action)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(Limited Action)**

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **Planning**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Eqp</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
--- ER1221.21 Project Management 100 year Duration										
<i>Memo: All Quality Engineering actions and Inspections-related actions that are required to plan and perform surveillance-related activities during the execution and start-up phases of a project.</i>										
Subtotal					\$1,816,070	\$0	\$0	\$0	\$0	\$1,816,070
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$1,816,070
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
--- Total ER1221.21 Project Management 100 year Duration			24,000		\$1,816,070	\$0	\$0	\$0	\$0	\$1,816,070
--- ER 1300.01 Caretaker Maintenance										
Caretaker Maintenance on Fence (4 hrs/mo x 100 years)		U.C. per Yrs	48	U21	1851.94	0	0	0	0	1851.94
		100.00	4,800	\$38.58	\$185,194	\$0	\$0	\$0	\$0	\$185,194
Subtotal					\$185,194	\$0	\$0	\$0	\$0	\$185,194
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$185,194
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
--- Total ER 1300.01 Caretaker Maintenance			4,800		\$185,194	\$0	\$0	\$0	\$0	\$185,194
--- ER 1310.01.01 Field Sampling Plan										
Write Field Sampling Plan		U.C. per	100	E08	7566.96	0	0	0	0	7566.96
		1.00	100	\$75.67	\$7,567	\$0	\$0	\$0	\$0	\$7,567
Field Sampling Revisions/Reviews		U.C. per Yrs	4	E08	302.678	0	0	0	0	302.678
		20.00	80	\$75.67	\$6,054	\$0	\$0	\$0	\$0	\$6,054
Subtotal					\$13,621	\$0	\$0	\$0	\$0	\$13,621
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$13,621
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
--- Total ER 1310.01.01 Field Sampling Plan			180		\$13,621	\$0	\$0	\$0	\$0	\$13,621
--- ER 1310.02 Sampling										
Soil Sampling 10 every 5 years for 100 years		U.C. per EA	16	T15	773.31	0	0	0	0	773.31
		200.00	3,200	\$48.33	\$154,662	\$0	\$0	\$0	\$0	\$154,662

12-25

Project Name:
WAG 10 OU10-04 FEASIBILITY STUDY - STF GUN RANGE (Limited Action)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(Limited Action)**

CONSTRUCTION DETAIL ITEM REPORT

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **Planning**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Eqp</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
--- ER 1310.02 Sampling										
		U.C. per EA	16	T15	773.31	0	0	0	0	773.31
Groundwater Sampling 4X100 year Duration		400.00	6,400	\$48.33	\$309,324	\$0	\$0	\$0	\$0	\$309,324
Subtotal					\$463,986	\$0	\$0	\$0	\$0	\$463,986
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$463,986
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
--- Total ER 1310.02 Sampling			9,600		\$463,986	\$0	\$0	\$0	\$0	\$463,986
--- ER 1310.05 5-Year Reviews										
		U.C. per FTEs	160	E08	12107.136	0	0	0	0	12107.136
1 FTE for first 5 years		5.00	800	\$75.67	\$60,536	\$0	\$0	\$0	\$0	\$60,536
		U.C. per FTEs	160	E08	12107.136	0	0	0	0	12107.136
1 FTE in 5 year increments from year 6 through 100		18.00	2,880	\$75.67	\$217,928	\$0	\$0	\$0	\$0	\$217,928
Subtotal					\$278,464	\$0	\$0	\$0	\$0	\$278,464
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$278,464
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
--- Total ER 1310.05 5-Year Reviews			3,680		\$278,464	\$0	\$0	\$0	\$0	\$278,464
--- GAPIF Non-Org G&A and PIF										
<i>Memo: This is a model that works with the macro named "INEELRollup_Rev0.BAS".</i>										
PF	NOGAPIF	U.C. per \$			0	0	0	0	1	1
Procurement Fee %		923.00	0		\$0	\$0	\$0	\$0	\$923	\$923
G&A	NOGAPIF	U.C. per \$			0	0	0	0	1	1
G&A Fee %		351.00	0		\$0	\$0	\$0	\$0	\$351	\$351
Subtotal					\$0	\$0	\$0	\$0	\$1,274	\$1,274
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$1,274
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
--- Total GAPIF Non-Org G&A and PIF			0		\$0	\$0	\$0	\$0	\$1,274	\$1,274

12-26

Project Name:
WAG 10 OU10-04 FEASIBILITY STUDY - STF GUN RANGE (Limited Action)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(Limited Action)**

CONSTRUCTION DETAIL ITEM REPORT

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **Planning**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Eqp</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
Subtotal WAG 10 OU10-04 Feasibility Study, STF Gun Range					\$3,643,050	\$0	\$10,000	\$32,000	\$1,274	\$3,686,324
Sales Tax (Limited Action)					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$9,290	\$0	\$9,290
Subtotal Estimate					\$0	\$0	\$0	\$0	\$0	\$3,695,613
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency										\$0
Total WAG 10 OU10-04 Feasibility Study, STF Gun Range (Limited Action)			53,553		\$3,643,050	\$0	\$10,000	\$41,290	\$1,274	\$3,695,613

12-27

Project Name:
WAG 10 OU 10-04 FEASIBILITY STUDY-STF GUN RANGE (OPTION 3A)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(3A)**

Project Summary Report

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **Planning**

<u>LEVEL</u>		<u>Estimate Subtotal</u>	<u>Escalation</u>	<u>Contingency</u>	<u>Contingency %</u>	<u>TOTAL</u>
ER1210	REMEDIAL DESIGN	\$550,057	\$0	\$0	0.00%	\$550,057
ER 1210.02	--Remedial Design/Remedial Action (RD/RA) Statement of Work	\$81,723	\$0	\$0	0.00%	\$81,723
ER 1210.02.01	---Pre-Design Studies/Preliminary Scoping	\$36,321	\$0	\$0	0.00%	\$36,321
ER 1210.02.02	---Design Criteria	\$12,107	\$0	\$0	0.00%	\$12,107
ER 1210.02.03	---RD/RA SOW Preparation	\$33,295	\$0	\$0	0.00%	\$33,295
ER1210.05	--Remedial Design (RD) Work Plan	\$10,673	\$0	\$0	0.00%	\$10,673
ER 1210.05.01	---Cost Estimate	\$10,673	\$0	\$0	0.00%	\$10,673
ER 1210.10	--Environmental, Safety and Health Plan	\$101,170	\$0	\$0	0.00%	\$101,170
ER 1210.11	--Sampling and Analysis Plan	\$108,964	\$0	\$0	0.00%	\$108,964
ER 1210.12	--Quality Assurance Project Plan (QAPjP)	\$24,214	\$0	\$0	0.00%	\$24,214
ER 1210.13	--Site Operations and Maintenance (O&M) Plan	\$36,321	\$0	\$0	0.00%	\$36,321
ER 1210.14	--Draft Final Design /Report Preparation	\$24,214	\$0	\$0	0.00%	\$24,214
ER 1210.15	--Remedial Action (RA) Work Plan	\$63,562	\$0	\$0	0.00%	\$63,562
ER 1210.16	--Plans and Specifications	\$75,000	\$0	\$0	0.00%	\$75,000
ER 1210.20	--Miscellaneous Environmental Documents	\$24,214	\$0	\$0	0.00%	\$24,214
ER 1220	REMEDATION SUPPORT	\$156,689	\$0	\$0	0.00%	\$156,689
ER 1220.04	--Quality Assurance	\$23,510	\$0	\$0	0.00%	\$23,510
ER 1220.05	--Project Office Operations	\$133,178	\$0	\$0	0.00%	\$133,178
ER 1221	REMEDATION/TECHNICAL SUPPORT ACTIVITIES	\$44,735	\$0	\$0	0.00%	\$44,735
ER1221.04	--Engineering and Technical Support	\$44,735	\$0	\$0	0.00%	\$44,735
INEEL						

Project Name: **WAG 10 OU 10-04 FEASIBILITY STUDY-STF GUN RANGE (OPTION 3A)**
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(3A)**

Project Summary Report

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **Planning**

LEVEL	Annual Program Management	Estimate Subtotal	Escalation	Contingency	Contingency %	TOTAL
ER1221.04.01	Annual Program Management	\$44,735	\$0	\$0	0.00%	\$44,735
ER 1230	REMEDIAL ACTION	\$2,107,812	\$0	\$0	0.00%	\$2,107,812
ER 1230.01	--Mobilization and Preparatory Work	\$12,903	\$0	\$0	0.00%	\$12,903
ER1230.03	--Sitework	\$2,054,503	\$0	\$0	0.00%	\$2,054,503
ER1230.18	--Site Restoration	\$9,290	\$0	\$0	0.00%	\$9,290
ER1230.19	--Demobilization	\$12,903	\$0	\$0	0.00%	\$12,903
ER1230.23	--Other	\$18,213	\$0	\$0	0.00%	\$18,213
ER1230.25.01	---Remedial Action Documentation	\$18,213	\$0	\$0	0.00%	\$18,213
ER 1270	REMOVAL ACTIONS	\$48,429	\$0	\$0	0.00%	\$48,429
ER 1270.07	--Summary Report	\$48,429	\$0	\$0	0.00%	\$48,429
GAPIF	Non-Org G&A and PIF	\$53,769	\$0	\$0	0.00%	\$53,769
Total WAG 10 OU10.4 STF GUN RANGE OPT. 3A		\$2,961,490	\$0	\$0	0.00%	\$2,961,490

INEEL

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Success Estimating and Cost Management System

Page No. 2

Project Name:
WAG 10 OU 10-04 FEASIBILITY STUDY-STF GUN RANGE (OPTION 3A)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(3A)**

CONSTRUCTION DETAIL ITEM REPORT

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **Planning**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Egg</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
--- ER 1210.02.01 Pre-Design Studies/Preliminary Scoping										
Pre-Design Studies/Preliminary Scoping	U.C. per FTE	3.00	160 480	E08 \$75.67	12107.136 \$36,321	0 \$0	0 \$0	0 \$0	0 \$0	12107.136 \$36,321
Subtotal					\$36,321	\$0	\$0	\$0	\$0	\$36,321
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$36,321
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
--- Total ER 1210.02.01 Pre-Design Studies/Preliminary Scoping			480		\$36,321	\$0	\$0	\$0	\$0	\$36,321
--- ER 1210.02.02 Design Criteria										
Design Criteria	U.C. per FTE	1.00	160 160	E08 \$75.67	12107.136 \$12,107	0 \$0	0 \$0	0 \$0	0 \$0	12107.136 \$12,107
Subtotal					\$12,107	\$0	\$0	\$0	\$0	\$12,107
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$12,107
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
--- Total ER 1210.02.02 Design Criteria			160		\$12,107	\$0	\$0	\$0	\$0	\$12,107
--- ER 1210.02.03 RD/RA SOW Preparation										
RD/RA Document Preparation	U.C. per	1.00	80 80	E08 \$75.67	6053.568 \$6,054	0 \$0	0 \$0	0 \$0	0 \$0	6053.568 \$6,054
Reviews and Comment Resolution	U.C. per	1.00	360 360	E08 \$75.67	27241.055 \$27,241	0 \$0	0 \$0	0 \$0	0 \$0	27241.055 \$27,241
Subtotal					\$33,295	\$0	\$0	\$0	\$0	\$33,295
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$33,295
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
--- Total ER 1210.02.03 RD/RA SOW Preparation			440		\$33,295	\$0	\$0	\$0	\$0	\$33,295
--- ER 1210.05.01 Cost Estimate										
Cost Estimating Support	U.C. per FTE	2.00	80 160	F22 \$66.71	5336.433 \$10,673	0 \$0	0 \$0	0 \$0	0 \$0	5336.433 \$10,673

12-30

Project Name: **CONSTRUCTION DETAIL ITEM REPORT**
WAG 10 DU 10-04 FEASIBILITY STUDY-STF GUN RANGE (OPTION 3A)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(3A)**

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **Planning**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Eqp</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
--- ER 1210.05.01 Cost Estimate										
	Subtotal				\$10,673	\$0	\$0	\$0	\$0	\$10,673
	Sales Tax				\$0	\$0	\$0	\$0	\$0	\$0
	INEEL ORG Labor/Subcontractor Overheads				\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal Estimate									\$10,673
	Escalation				\$0	\$0	\$0	\$0	\$0	\$0
	Contingency				\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1210.05.01 Cost Estimate			160		\$10,673	\$0	\$0	\$0	\$0	\$10,673
--- ER 1210.10 Environmental, Safety and Health Plan										
	U.C. per FTE		191	E08	14452.893	0	0	0	0	14452.893
		7.00	1,337	\$75.67	\$101,170	\$0	\$0	\$0	\$0	\$101,170
	Subtotal				\$101,170	\$0	\$0	\$0	\$0	\$101,170
	Sales Tax				\$0	\$0	\$0	\$0	\$0	\$0
	INEEL ORG Labor/Subcontractor Overheads				\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal Estimate									\$101,170
	Escalation				\$0	\$0	\$0	\$0	\$0	\$0
	Contingency				\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1210.10 Environmental, Safety and Health Plan			1,337		\$101,170	\$0	\$0	\$0	\$0	\$101,170
--- ER 1210.11 Sampling and Analysis Plan										
	U.C. per FTE		480	E08	36321.407	0	0	0	0	36321.407
	Sampling & Analysis Plan (Scoping, field samp plan, & reviews & comments)	3.00	1,440	\$75.67	\$108,964	\$0	\$0	\$0	\$0	\$108,964
	Subtotal				\$108,964	\$0	\$0	\$0	\$0	\$108,964
	Sales Tax				\$0	\$0	\$0	\$0	\$0	\$0
	INEEL ORG Labor/Subcontractor Overheads				\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal Estimate									\$108,964
	Escalation				\$0	\$0	\$0	\$0	\$0	\$0
	Contingency				\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1210.11 Sampling and Analysis Plan			1,440		\$108,964	\$0	\$0	\$0	\$0	\$108,964
--- ER 1210.12 Quality Assurance Project Plan (QAPIP)										
	U.C. per FTE		160	E08	12107.136	0	0	0	0	12107.136
		2.00	320	\$75.67	\$24,214	\$0	\$0	\$0	\$0	\$24,214

12-31

Project Name:
WAG 10 OU 10-04 FEASIBILITY STUDY-STF GUN RANGE (OPTION 3A)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(3A)**

CONSTRUCTION DETAIL ITEM REPORT

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **Planning**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Eqp</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
--- ER 1210.12 Quality Assurance Project Plan (QAPjP)										
Subtotal					\$24,214	\$0	\$0	\$0	\$0	\$24,214
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$24,214
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1210.12 Quality Assurance Project Plan (QAPjP)			320		\$24,214	\$0	\$0	\$0	\$0	\$24,214
--- ER 1210.13 Site Operations and Maintenance (O&M) Plan										
	U.C. per FTE		160	E08	12107.136	0	0	0	0	12107.136
		3.00	480	\$75.67	\$36,321	\$0	\$0	\$0	\$0	\$36,321
Subtotal					\$36,321	\$0	\$0	\$0	\$0	\$36,321
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$36,321
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1210.13 Site Operations and Maintenance (O&M) Plan			480		\$36,321	\$0	\$0	\$0	\$0	\$36,321
--- ER 1210.14 Draft Final Design /Report Preparation										
	U.C. per EA		320	E08	24214.271	0	0	0	0	24214.271
		1.00	320	\$75.67	\$24,214	\$0	\$0	\$0	\$0	\$24,214
Subtotal					\$24,214	\$0	\$0	\$0	\$0	\$24,214
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$24,214
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1210.14 Draft Final Design /Report Preparation			320		\$24,214	\$0	\$0	\$0	\$0	\$24,214
--- ER 1210.15 Remedial Action (RA) Work Plan										
	U.C. per FTE		280	E08	21187.487	0	0	0	0	21187.487
		3.00	840	\$75.67	\$63,562	\$0	\$0	\$0	\$0	\$63,562

12-32

Project Name:
WAG 10 OU 10-04 FEASIBILITY STUDY-STF GUN RANGE (OPTION 3A)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(3A)**

CONSTRUCTION DETAIL ITEM REPORT

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **Planning**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Eqp</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
ER 1210.15 Remedial Action (RA) Work Plan										
	Subtotal				\$63,562	\$0	\$0	\$0	\$0	\$63,562
	Sales Tax				\$0	\$0	\$0	\$0	\$0	\$0
	INEEL ORG Labor/Subcontractor Overheads				\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal Estimate									\$63,562
	Escalation				\$0	\$0	\$0	\$0	\$0	\$0
	Contingency				\$0	\$0	\$0	\$0	\$0	\$0
--- Total ER 1210.15 Remedial Action (RA) Work Plan			840		\$63,562	\$0	\$0	\$0	\$0	\$63,562
ER 1210.16 Plans and Specifications										
	Title I & II Design, Specs. & Documents	U.C. per dwg	15.00	0	\$0	\$0	\$75,000	\$0	\$0	\$75,000
	Subtotal				\$0	\$0	\$75,000	\$0	\$0	\$75,000
	Sales Tax				\$0	\$0	\$0	\$0	\$0	\$0
	INEEL ORG Labor/Subcontractor Overheads				\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal Estimate									\$75,000
	Escalation				\$0	\$0	\$0	\$0	\$0	\$0
	Contingency				\$0	\$0	\$0	\$0	\$0	\$0
--- Total ER 1210.16 Plans and Specifications			0		\$0	\$0	\$75,000	\$0	\$0	\$75,000
ER 1210.20 Miscellaneous Environmental Documents										
	Pre-Final Inspection Report	U.C. per	2.00	320	E08 \$75.67	12107.136 \$24,214	0 \$0	0 \$0	0 \$0	12107.136 \$24,214
	Subtotal				\$24,214	\$0	\$0	\$0	\$0	\$24,214
	Sales Tax				\$0	\$0	\$0	\$0	\$0	\$0
	INEEL ORG Labor/Subcontractor Overheads				\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal Estimate									\$24,214
	Escalation				\$0	\$0	\$0	\$0	\$0	\$0
	Contingency				\$0	\$0	\$0	\$0	\$0	\$0
--- Total ER 1210.20 Miscellaneous Environmental Documents			320		\$24,214	\$0	\$0	\$0	\$0	\$24,214
ER 1220.04 Quality Assurance										
	Quality Assurance Support	U.C. per FTE	1.00	320	E17 \$73.47	23510.453 \$23,510	0 \$0	0 \$0	0 \$0	23510.453 \$23,510

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Project Name:
WAG 10 OU 10-04 FEASIBILITY STUDY-STF GUN RANGE (OPTION 3A)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(3A)**

CONSTRUCTION DETAIL ITEM REPORT

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **Planning**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Egg</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
--- ER 1220.04 Quality Assurance										
	Subtotal				\$23,510	\$0	\$0	\$0	\$0	\$23,510
	Sales Tax				\$0	\$0	\$0	\$0	\$0	\$0
	INEEL ORG Labor/Subcontractor Overheads				\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal Estimate									\$23,510
	Escalation				\$0	\$0	\$0	\$0	\$0	\$0
	Contingency				\$0	\$0	\$0	\$0	\$0	\$0
--- Total ER 1220.04 Quality Assurance			320		\$23,510	\$0	\$0	\$0	\$0	\$23,510
--- ER 1220.05 Project Office Operations										
	Coord./Oversight of technical Support	U.C. per FTE	1.00	640	E08	48428.542	0	0	0	48428.542
				640	\$75.67	\$48,429	\$0	\$0	\$0	\$48,429
	Coord. with Agency Participants	U.C. per FTE	1.00	320	E08	24214.271	0	0	0	24214.271
				320	\$75.67	\$24,214	\$0	\$0	\$0	\$24,214
	Cost and Schedule Control	U.C. per FTE	1.00	320	E08	24214.271	0	0	0	24214.271
				320	\$75.67	\$24,214	\$0	\$0	\$0	\$24,214
	Ensure Compliance of Gov't Regulations	U.C. per FTE	1.00	160	E08	12107.136	0	0	0	12107.136
				160	\$75.67	\$12,107	\$0	\$0	\$0	\$12,107
	Quarterly and Yearly Reviews	U.C. per FTE	1.00	160	E08	12107.136	0	0	0	12107.136
				160	\$75.67	\$12,107	\$0	\$0	\$0	\$12,107
	Audit Preparation and Coordination	U.C. per FTE	1.00	160	E08	12107.136	0	0	0	12107.136
				160	\$75.67	\$12,107	\$0	\$0	\$0	\$12,107
	Subtotal				\$133,178	\$0	\$0	\$0	\$0	\$133,178
	Sales Tax				\$0	\$0	\$0	\$0	\$0	\$0
	INEEL ORG Labor/Subcontractor Overheads				\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal Estimate									\$133,178
	Escalation				\$0	\$0	\$0	\$0	\$0	\$0
	Contingency				\$0	\$0	\$0	\$0	\$0	\$0
--- Total ER 1220.05 Project Office Operations			1,760		\$133,178	\$0	\$0	\$0	\$0	\$133,178
--- ER1221.04.01 Annual Program Management										
<i>Memo: All Quality Engineering actions and Inspections-related actions that are required to plan and perform surveillance-related activities during the execution and start-up phases of a project.</i>										
	Coordination/Oversight of Technical Support	U.C. per FTE	1.00	200	E08	15133.919	0	0	0	15133.919
				200	\$75.67	\$15,134	\$0	\$0	\$0	\$15,134
	Coordination with Agency Participants	U.C. per FTE	1.00	80	E08	6053.568	0	0	0	6053.568
				80	\$75.67	\$6,054	\$0	\$0	\$0	\$6,054
	Cost and Schedule Control	U.C. per FTE	1.00	60	F22	4002.324	0	0	0	4002.324
				60	\$66.71	\$4,002	\$0	\$0	\$0	\$4,002

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Project Name: **CONSTRUCTION DETAIL ITEM REPORT**
WAG 10 OU 10-04 FEASIBILITY STUDY-STF GUN RANGE (OPTION 3A)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(3A)**

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **Planning**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Eqp</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
--- ER1221.04.01 Annual Program Management										
<i>Memo: All Quality Engineering actions and Inspections-related actions that are required to plan and perform surveillance-related activities during the execution and start-up phases of a project.</i>										
Ensure Compliance of Gov't Regulation		U.C. per FTE	1.00	32	E08 \$75.67	2421.427 \$2,421	0 \$0	0 \$0	0 \$0	2421.427 \$2,421
Reviews		U.C. per FTE	1.00	32	E08 \$75.67	2421.427 \$2,421	0 \$0	0 \$0	0 \$0	2421.427 \$2,421
Audit Preparation and Coordination		U.C. per FTE	1.00	32	E08 \$75.67	2421.427 \$2,421	0 \$0	0 \$0	0 \$0	2421.427 \$2,421
Annual Operations and Maintenance Reports		U.C. per FTE	1.00	40	E08 \$75.67	3026.784 \$3,027	0 \$0	0 \$0	0 \$0	3026.784 \$3,027
Subcontract Administrator		U.C. per FTE	1.00	160	P21 \$57.84	9253.838 \$9,254	0 \$0	0 \$0	0 \$0	9253.838 \$9,254
Subtotal						\$44,735	\$0	\$0	\$0	\$44,735
Sales Tax						\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads						\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$44,735
Escalation						\$0	\$0	\$0	\$0	\$0
Contingency						\$0	\$0	\$0	\$0	\$0
--- Total ER1221.04.01 Annual Program Management			636			\$44,735	\$0	\$0	\$0	\$44,735
--- ER 1230.01 Mobilization and Preparatory Work										
<i>Memo: Apply only when the project is large enough to support dedicated personnel instead of the pool account.</i>										
Mobilization of Soil Handling Equipment		GEN U.C. per LS	1.00	0		0 \$0	0 \$0	10000 \$10,000	0 \$0	10000 \$10,000
Subtotal						\$0	\$0	\$10,000	\$0	\$10,000
Sales Tax						\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads						\$0	\$0	\$2,903	\$0	\$2,903
Subtotal Estimate										\$12,903
Escalation						\$0	\$0	\$0	\$0	\$0
Contingency						\$0	\$0	\$0	\$0	\$0
--- Total ER 1230.01 Mobilization and Preparatory Work			0			\$0	\$0	\$12,903	\$0	\$12,903
--- ER1230.03 Sitework										
<i>Memo: Apply only when the project is large enough to support dedicated personnel instead of the pool account.</i>										
Temporary Utilities - water, power, ect.		GEN U.C. per ls	1.00	0		0 \$0	0 \$0	250000 \$250,000	0 \$0	250000 \$250,000
Excavate Berm Area		GEN U.C. per cyd	7,300.00	0		0 \$0	0 \$0	20 \$146,000	0 \$0	20 \$146,000

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Project Name:
WAG 10 OU 10-04 FEASIBILITY STUDY-STF GUN RANGE (OPTION 3A)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(3A)**

CONSTRUCTION DETAIL ITEM REPORT

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **Planning**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Eqp</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
--- ER1230.03 Sitework										
<i>Memo: Apply only when the project is large enough to support dedicated personnel instead of the pool account.</i>										
	GEN	U.C. per cyd			0	0	0	20	0	20
Excavate Perimeter Outlying Areas		5,300.00	0		\$0	\$0	\$0	\$106,000	\$0	\$106,000
	GEN	U.C. per cyd			0	0	0	200	0	200
Contaminated Soil Walls		3.50	0		\$0	\$0	\$0	\$700	\$0	\$700
	GEN	U.C. per ea	4	CN-LABR	126.32	0	25	0	0	151.32
Encapsulate R.R. Roadties for Shipment		70.00	280	\$31.58	\$8,842	\$0	\$1,750	\$0	\$0	\$10,592
	GEN	U.C. per sf			0	0	0	1.5	0	1.5
Asphalt Pad Removal & Dispose @CFA		2,900.00	0		\$0	\$0	\$0	\$4,350	\$0	\$4,350
	GEN	U.C. per ls	16	CN-LABR	505.28	150	0	0	0	655.28
Demo Wood Building & Dispose @ CFA Landfill		1.00	16	\$31.58	\$505	\$150	\$0	\$0	\$0	\$655
	GEN	U.C. per cyd			0	0	0	12	0	12
Sort Soil for Lead Removal		12,600.00	0		\$0	\$0	\$0	\$151,200	\$0	\$151,200
	GEN	U.C. per ea			0	0	0	175	0	175
Send R.R. Ties to Oregon for Disposal		70.00	0		\$0	\$0	\$0	\$12,250	\$0	\$12,250
	GEN	U.C. per cyd			0	0	0	9	0	9
Chemical Stabilize Soil W/ Portland Cement		12,600.00	0		\$0	\$0	\$0	\$113,400	\$0	\$113,400
	GEN	U.C. per cyd			0	0	135	0	0	135
Portland Cement Materials @ 30% of Volume		3,780.00	0		\$0	\$0	\$510,300	\$0	\$0	\$510,300
	GEN	U.C. per cyd			0	0	0	15	0	15
Dispose of Chemically Treated Soil @ CFA (Including Leveling & Compaction)		16,380.00	0		\$0	\$0	\$0	\$245,700	\$0	\$245,700
	GEN	U.C. per cyd			0	0	0	8	0	8
Return New Backfill Soil to dig area		6,500.00	0		\$0	\$0	\$0	\$52,000	\$0	\$52,000
	GEN	U.C. per ton			0	0	0	-200	0	-200
Recycle lead Materials (Assume \$.10/ lbs Credit from Recycle)		64.40	0		\$0	\$0	\$0	(\$12,880)	\$0	(\$12,880)
	GEN	U.C. per trips			0	0	0	400	0	400
Cost to Haul Lead Materials to Recycler		5.00	0		\$0	\$0	\$0	\$2,000	\$0	\$2,000
Subtotal					\$9,348	\$150	\$512,050	\$1,070,720	\$0	\$1,592,268
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$2,714	\$44	\$148,648	\$310,830	\$0	\$462,235
Subtotal Estimate										\$2,054,503
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
--- Total ER1230.03 Sitework			296		\$12,061	\$194	\$660,698	\$1,381,550	\$0	\$2,054,503

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Project Name: **CONSTRUCTION DETAIL ITEM REPORT**
WAG 10 OU 10-04 FEASIBILITY STUDY-STF GUN RANGE (OPTION 3A)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(3A)**

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **Planning**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Eqp</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
--- ER1230.18 Site Restoration										
<i>Memo: Apply only when the project is large enough to support dedicated personnel instead of the pool account.</i>										
	GEN				0	0	0	0.04	0	0.04
	U.C. per sf									
Revegetate Remediation Area		180,000.00	0		\$0	\$0	\$0	\$7,200	\$0	\$7,200
Subtotal					\$0	\$0	\$0	\$7,200	\$0	\$7,200
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$2,090	\$0	\$2,090
Subtotal Estimate										\$9,290
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
--- Total ER1230.18 Site Restoration			0		\$0	\$0	\$0	\$9,290	\$0	\$9,290
--- ER1230.19 Demobilization										
<i>Memo: Apply only when the project is large enough to support dedicated personnel instead of the pool account.</i>										
	GEN				0	0	0	10000	0	10000
	U.C. per LS									
Demobilization of Soil Handling Equipment		1.00	0		\$0	\$0	\$0	\$10,000	\$0	\$10,000
Subtotal					\$0	\$0	\$0	\$10,000	\$0	\$10,000
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$2,903	\$0	\$2,903
Subtotal Estimate										\$12,903
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
--- Total ER1230.19 Demobilization			0		\$0	\$0	\$0	\$12,903	\$0	\$12,903
--- ER1230.23.01 Remedial Action Documentation										
	U.C. per FTE				9106.417	0	0	0	0	9106.417
Shipping/Transportation Documentation		1.00	160	F23 \$56.92	\$9,106	\$0	\$0	\$0	\$0	\$9,106
	U.C. per FTE				2276.604	0	0	0	0	2276.604
Review & Comments Resolution		4.00	160	F23 \$56.92	\$9,106	\$0	\$0	\$0	\$0	\$9,106
Subtotal					\$18,213	\$0	\$0	\$0	\$0	\$18,213
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$18,213
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
--- Total ER1230.23.01 Remedial Action Documentation			320		\$18,213	\$0	\$0	\$0	\$0	\$18,213
--- ER 1270.07 Summary Report										
	U.C. per FTE				24214.271	0	0	0	0	24214.271
Remedial Action Report Preparation		1.00	320	E08 \$75.67	\$24,214	\$0	\$0	\$0	\$0	\$24,214

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Project Name:
WAG 10 OU 10-04 FEASIBILITY STUDY-STF GUN RANGE (OPTION 3A)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(3A)**

CONSTRUCTION DETAIL ITEM REPORT

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **Planning**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Eqp</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
--- ER 1270.07 Summary Report										
		U.C. per FTE	320	E08	24214.271	0	0	0	0	24214.271
Reviews and Comment Resolution		1.00	320	\$75.67	\$24,214	\$0	\$0	\$0	\$0	\$24,214
Subtotal					\$48,429	\$0	\$0	\$0	\$0	\$48,429
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$48,429
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1270.07 Summary Report			640		\$48,429	\$0	\$0	\$0	\$0	\$48,429
--- GAPIF Non-Org G&A and PIF										
<i>Memo: This is a model that works with the macro named "INEELRollup_Rev0.BAS".</i>										
PF	NOGAPIF	U.C. per \$			0	0	0	0	1	1
Procurement Fee %		38,963.00	0		\$0	\$0	\$0	\$0	\$38,963	\$38,963
G&A	NOGAPIF	U.C. per \$			0	0	0	0	1	1
G&A Fee %		14,806.00	0		\$0	\$0	\$0	\$0	\$14,806	\$14,806
Subtotal					\$0	\$0	\$0	\$0	\$53,769	\$53,769
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$53,769
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
---Total GAPIF Non-Org G&A and PIF			0		\$0	\$0	\$0	\$0	\$53,769	\$53,769
<hr/>										
Subtotal WAG 10 OU10-4 STF GUN RANGE OPT. 3A					\$752,470	\$150	\$587,050	\$1,097,920	\$53,769	\$2,491,359
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$2,714	\$44	\$148,648	\$318,726	\$0	\$470,131
Subtotal Estimate										\$2,961,490
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
Total WAG 10 OU10-4 STF GUN RANGE OPT. 3A			10.26%		\$755,184	\$194	\$735,698	\$1,416,646	\$53,769	\$2,961,490

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Project Name:
WAG 10 OU10-04 FEASIBILITY STUDY-STF GUN RANGE (OPTION 3B)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(3B)**

Project Summary Report

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **Planning**

<u>LEVEL</u>		<u>Estimate Subtotal</u>	<u>Escalation</u>	<u>Contingency</u>	<u>Contingency %</u>	<u>TOTAL</u>
ER1210	REMEDIAL DESIGN	\$725,057	\$0	\$0	0.00%	\$725,057
ER 1210.02	--Remedial Design/Remedial Action (RD/RA) Statement of Work	\$281,723	\$0	\$0	0.00%	\$281,723
ER 1210.02.01	---Pre-Design Studies/Preliminary Scoping	\$236,321	\$0	\$0	0.00%	\$236,321
ER 1210.02.02	---Design Criteria	\$12,107	\$0	\$0	0.00%	\$12,107
ER 1210.02.03	---RD/RA SOW Preparation	\$33,295	\$0	\$0	0.00%	\$33,295
ER1210.05	--Remedial Design (RD) Work Plan	\$10,673	\$0	\$0	0.00%	\$10,673
ER 1210.05.01	---Cost Estimate	\$10,673	\$0	\$0	0.00%	\$10,673
ER 1210.10	--Environmental, Safety and Health Plan	\$101,170	\$0	\$0	0.00%	\$101,170
ER 1210.11	--Sampling and Analysis Plan	\$108,964	\$0	\$0	0.00%	\$108,964
ER 1210.12	--Quality Assurance Project Plan (QAPjP)	\$24,214	\$0	\$0	0.00%	\$24,214
ER 1210.13	--Site Operations and Maintenance (O&M) Plan	\$36,321	\$0	\$0	0.00%	\$36,321
ER 1210.14	--Draft Final Design /Report Preparation	\$24,214	\$0	\$0	0.00%	\$24,214
ER 1210.15	--Remedial Action (RA) Work Plan	\$63,562	\$0	\$0	0.00%	\$63,562
ER 1210.16	--Plans and Specifications	\$50,000	\$0	\$0	0.00%	\$50,000
ER 1210.20	--Miscellaneous Environmental Documents	\$24,214	\$0	\$0	0.00%	\$24,214
ER 1220	REMEDIATION SUPPORT	\$156,689	\$0	\$0	0.00%	\$156,689
ER 1220.04	--Quality Assurance	\$23,510	\$0	\$0	0.00%	\$23,510
ER 1220.05	--Project Office Operations	\$133,178	\$0	\$0	0.00%	\$133,178
ER 1221	REMEDIATION/TECHNICAL SUPPORT ACTIVITIES	\$44,735	\$0	\$0	0.00%	\$44,735
ER1221.04	--Engineering and Technical Support	\$44,735	\$0	\$0	0.00%	\$44,735

INEEL

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Project Name:
WAG 10 OU10-04 FEASIBILITY STUDY-STF GUN RANGE (OPTION 3B)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(3B)**

Project Summary Report

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **Planning**

<u>LEVEL</u>		<u>Estimate Subtotal</u>	<u>Escalation</u>	<u>Contingency</u>	<u>Contingency %</u>	<u>TOTAL</u>
ER1221.04.01	---Annual Program Management	\$44,735	\$0	\$0	0.00%	\$44,735
ER 1230	REMEDIAL ACTION	\$5,673,799	\$0	\$0	0.00%	\$5,673,799
ER 1230.01	--Mobilization and Preparatory Work	\$12,903	\$0	\$0	0.00%	\$12,903
ER1230.03	--Sitework	\$5,602,277	\$0	\$0	0.00%	\$5,602,277
ER1230.18	--Site Restoration	\$9,290	\$0	\$0	0.00%	\$9,290
ER1230.19	--Demobilization	\$12,903	\$0	\$0	0.00%	\$12,903
ER1230.23	--Other	\$36,426	\$0	\$0	0.00%	\$36,426
ER1230.23.01	---Remedial Action Documentation	\$36,426	\$0	\$0	0.00%	\$36,426
ER 1270	REMOVAL ACTIONS	\$48,429	\$0	\$0	0.00%	\$48,429
ER 1270.07	--Summary Report	\$48,429	\$0	\$0	0.00%	\$48,429
GAPIF	Non-Org G&A and PIF	\$141,275	\$0	\$0	0.00%	\$141,275
Total WAG 10 OU-10-4 STF GUN RANGE OPT. 3B		\$6,789,983	\$0	\$0	0.00%	\$6,789,983

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INEEL

06/07/2001 13:53:20

Success Estimating and Cost Management System

Page No. 2

Project Name:
WAG 10 OU10-04 FEASIBILITY STUDY-STF GUN RANGE (OPTION 3B)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(3B)**

CONSTRUCTION DETAIL ITEM REPORT

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **Planning**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Eqp</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
--- ER 1210.02.01 Pre-Design Studies/Preliminary Scoping										
Pre-Design Studies/Preliminary Scoping	U.C. per FTE	3.00	160	E08	12107.136	0	0	0	0	12107.136
			480	\$75.67	\$36,321	\$0	\$0	\$0	\$0	\$36,321
Acid Wash Treatability Study	U.C. per ls	1.00	0		200000	0	0	0	0	200000
					\$200,000	\$0	\$0	\$0	\$0	\$200,000
Subtotal					\$236,321	\$0	\$0	\$0	\$0	\$236,321
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$236,321
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1210.02.01 Pre-Design Studies/Preliminary Scoping			480		\$236,321	\$0	\$0	\$0	\$0	\$236,321
--- ER 1210.02.02 Design Criteria										
Design Criteria	U.C. per FTE	1.00	160	E08	12107.136	0	0	0	0	12107.136
			160	\$75.67	\$12,107	\$0	\$0	\$0	\$0	\$12,107
Subtotal					\$12,107	\$0	\$0	\$0	\$0	\$12,107
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$12,107
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1210.02.02 Design Criteria			160		\$12,107	\$0	\$0	\$0	\$0	\$12,107
--- ER 1210.02.03 RD/RA SOW Preparation										
RD/RA Document Preparation	U.C. per	1.00	80	E08	6053.568	0	0	0	0	6053.568
			80	\$75.67	\$6,054	\$0	\$0	\$0	\$0	\$6,054
Reviews and Comment Resolution	U.C. per	1.00	360	E08	27241.055	0	0	0	0	27241.055
			360	\$75.67	\$27,241	\$0	\$0	\$0	\$0	\$27,241
Subtotal					\$33,295	\$0	\$0	\$0	\$0	\$33,295
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$33,295
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1210.02.03 RD/RA SOW Preparation			440		\$33,295	\$0	\$0	\$0	\$0	\$33,295
--- ER 1210.05.01 Cost Estimate										
Cost Estimating Support	U.C. per FTE	2.00	80	F22	5336.433	0	0	0	0	5336.433
			160	\$66.71	\$10,673	\$0	\$0	\$0	\$0	\$10,673

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Project Name:
WAG 10 OU10-04 FEASIBILITY STUDY-STF GUN RANGE (OPTION 3B)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(3B)**

CONSTRUCTION DETAIL ITEM REPORT

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **Planning**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Eqp</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
--- ER 1210.05.01 Cost Estimate										
Subtotal					\$10,673	\$0	\$0	\$0	\$0	\$10,673
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$10,673
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1210.05.01 Cost Estimate			160		\$10,673	\$0	\$0	\$0	\$0	\$10,673
--- ER 1210.10 Environmental, Safety and Health Plan										
	U.C. per FTE		191	E08	14452.893	0	0	0	0	14452.893
		7.00	1,337	\$75.67	\$101,170	\$0	\$0	\$0	\$0	\$101,170
Subtotal					\$101,170	\$0	\$0	\$0	\$0	\$101,170
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$101,170
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1210.10 Environmental, Safety and Health Plan			1,337		\$101,170	\$0	\$0	\$0	\$0	\$101,170
--- ER 1210.11 Sampling and Analysis Plan										
	U.C. per FTE		480	E08	36321.407	0	0	0	0	36321.407
Sampling & Analysis Plan (Scoping, field samp plan, & reviews & comments)		3.00	1,440	\$75.67	\$108,964	\$0	\$0	\$0	\$0	\$108,964
Subtotal					\$108,964	\$0	\$0	\$0	\$0	\$108,964
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$108,964
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1210.11 Sampling and Analysis Plan			1,440		\$108,964	\$0	\$0	\$0	\$0	\$108,964
--- ER 1210.12 Quality Assurance Project Plan (QAP:IP)										
	U.C. per FTE		160	E08	12107.136	0	0	0	0	12107.136
		2.00	320	\$75.67	\$24,214	\$0	\$0	\$0	\$0	\$24,214

12-42

Project Name:
WAG 10 OU10-04 FEASIBILITY STUDY-STF GUN RANGE (OPTION 3B)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(3B)**

CONSTRUCTION DETAIL ITEM REPORT

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **Planning**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Eqp</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
-- ER 1210.12 Quality Assurance Project Plan (QAP)P										
Subtotal					\$24,214	\$0	\$0	\$0	\$0	\$24,214
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$24,214
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
-- Total ER 1210.12 Quality Assurance Project Plan (QAP)P			320		\$24,214	\$0	\$0	\$0	\$0	\$24,214
-- ER 1210.13 Site Operations and Maintenance (O&M) Plan										
	U.C. per FTE		160	E08	12107.136	0	0	0	0	12107.136
		3.00	480	\$75.67	\$36,321	\$0	\$0	\$0	\$0	\$36,321
Subtotal					\$36,321	\$0	\$0	\$0	\$0	\$36,321
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$36,321
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
-- Total ER 1210.13 Site Operations and Maintenance (O&M) Plan			480		\$36,321	\$0	\$0	\$0	\$0	\$36,321
-- ER 1210.14 Draft Final Design /Report Preparation										
	U.C. per EA		320	E08	24214.271	0	0	0	0	24214.271
		1.00	320	\$75.67	\$24,214	\$0	\$0	\$0	\$0	\$24,214
Subtotal					\$24,214	\$0	\$0	\$0	\$0	\$24,214
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$24,214
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
-- Total ER 1210.14 Draft Final Design /Report Preparation			320		\$24,214	\$0	\$0	\$0	\$0	\$24,214
-- ER 1210.15 Remedial Action (RA) Work Plan										
	U.C. per FTE		280	E08	21187.487	0	0	0	0	21187.487
		3.00	840	\$75.67	\$63,562	\$0	\$0	\$0	\$0	\$63,562

12-43

Project Name:
WAG 10 OU10-04 FEASIBILITY STUDY-STF GUN RANGE (OPTION 3B)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(3B)**

CONSTRUCTION DETAIL ITEM REPORT

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **Planning**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Eqp</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
--- ER 1210.15 Remedial Action (RA) Work Plan										
	Subtotal				\$63,562	\$0	\$0	\$0	\$0	\$63,562
	Sales Tax				\$0	\$0	\$0	\$0	\$0	\$0
	INEEL ORG Labor/Subcontractor Overheads				\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal Estimate									\$63,562
	Escalation				\$0	\$0	\$0	\$0	\$0	\$0
	Contingency				\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1210.15 Remedial Action (RA) Work Plan			840		\$63,562	\$0	\$0	\$0	\$0	\$63,562
--- ER 1210.16 Plans and Specifications										
		U.C. per DWG			0	0	5000	0	0	5000
	Title I & II Design, Specs. & Documents	10.00	0		\$0	\$0	\$50,000	\$0	\$0	\$50,000
	Subtotal				\$0	\$0	\$50,000	\$0	\$0	\$50,000
	Sales Tax				\$0	\$0	\$0	\$0	\$0	\$0
	INEEL ORG Labor/Subcontractor Overheads				\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal Estimate									\$50,000
	Escalation				\$0	\$0	\$0	\$0	\$0	\$0
	Contingency				\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1210.16 Plans and Specifications			0		\$0	\$0	\$50,000	\$0	\$0	\$50,000
--- ER 1210.20 Miscellaneous Environmental Documents										
		U.C. per	160	E08	12107.136	0	0	0	0	12107.136
	Pre-Final Inspection Report	2.00	320	\$75.67	\$24,214	\$0	\$0	\$0	\$0	\$24,214
	Subtotal				\$24,214	\$0	\$0	\$0	\$0	\$24,214
	Sales Tax				\$0	\$0	\$0	\$0	\$0	\$0
	INEEL ORG Labor/Subcontractor Overheads				\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal Estimate									\$24,214
	Escalation				\$0	\$0	\$0	\$0	\$0	\$0
	Contingency				\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1210.20 Miscellaneous Environmental Documents			320		\$24,214	\$0	\$0	\$0	\$0	\$24,214
--- ER 1220.04 Quality Assurance										
		U.C. per FTE	320	E17	23510.453	0	0	0	0	23510.453
	Quality Assurance Support	1.00	320	\$73.47	\$23,510	\$0	\$0	\$0	\$0	\$23,510

12-44

Project Name:
WAG 10 OU10-04 FEASIBILITY STUDY-STF GUN RANGE (OPTION 3B)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(3B)**

CONSTRUCTION DETAIL ITEM REPORT

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **Planning**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Eqp</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
--- ER 1220.04 Quality Assurance										
Subtotal					\$23,510	\$0	\$0	\$0	\$0	\$23,510
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$23,510
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1220.04 Quality Assurance			320		\$23,510	\$0	\$0	\$0	\$0	\$23,510
--- ER 1220.05 Project Office Operations										
Coord./Oversight of technical Support	U.C. per FTE	1.00	640	E08	48428.542	0	0	0	0	48428.542
			640	\$75.67	\$48,429	\$0	\$0	\$0	\$0	\$48,429
Coord. with Agency Participants	U.C. per FTE	1.00	320	E08	24214.271	0	0	0	0	24214.271
			320	\$75.67	\$24,214	\$0	\$0	\$0	\$0	\$24,214
Cost and Schedule Control	U.C. per FTE	1.00	320	E08	24214.271	0	0	0	0	24214.271
			320	\$75.67	\$24,214	\$0	\$0	\$0	\$0	\$24,214
Ensure Compliance of Gov't Regulations	U.C. per FTE	1.00	160	E08	12107.136	0	0	0	0	12107.136
			160	\$75.67	\$12,107	\$0	\$0	\$0	\$0	\$12,107
Quarterly and Yearly Reviews	U.C. per FTE	1.00	160	E08	12107.136	0	0	0	0	12107.136
			160	\$75.67	\$12,107	\$0	\$0	\$0	\$0	\$12,107
Audit Preparation and Coordination	U.C. per FTE	1.00	160	E08	12107.136	0	0	0	0	12107.136
			160	\$75.67	\$12,107	\$0	\$0	\$0	\$0	\$12,107
Subtotal					\$133,178	\$0	\$0	\$0	\$0	\$133,178
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$133,178
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
---Total ER 1220.05 Project Office Operations			1,760		\$133,178	\$0	\$0	\$0	\$0	\$133,178
--- ER1221.04.01 Annual Program Management										
Memo: All Quality Engineering actions and Inspections-related actions that are required to plan and perform surveillance-related activities during the execution and start-up phases of a project.										
Coordination/Oversight of Technical Support	U.C. per FTE	1.00	200	E08	15133.919	0	0	0	0	15133.919
			200	\$75.67	\$15,134	\$0	\$0	\$0	\$0	\$15,134
Coordination with Agency Participants	U.C. per FTE	1.00	80	E08	6053.568	0	0	0	0	6053.568
			80	\$75.67	\$6,054	\$0	\$0	\$0	\$0	\$6,054
Cost and Schedule Control	U.C. per FTE	1.00	60	F22	4002.324	0	0	0	0	4002.324
			60	\$66.71	\$4,002	\$0	\$0	\$0	\$0	\$4,002

12-45

Project Name:
WAG 10 OU10-04 FEASIBILITY STUDY-STF GUN RANGE (OPTION 3B)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(3B)**

CONSTRUCTION DETAIL ITEM REPORT

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **Planning**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const</u>	<u>Egg</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
--- ER1221.04.01 Annual Program Management											
<i>Memo: All Quality Engineering actions and inspections-related actions that are required to plan and perform surveillance-related activities during the execution and start-up phases of a project.</i>											
	U.C. per FTE		32	E08	2421.427	0		0	0	0	2421.427
Ensure Compliance of Gov't Regulation		1.00	32	\$75.67	\$2,421	\$0		\$0	\$0	\$0	\$2,421
	U.C. per FTE		32	E08	2421.427	0		0	0	0	2421.427
Reviews		1.00	32	\$75.67	\$2,421	\$0		\$0	\$0	\$0	\$2,421
	U.C. per FTE		32	E08	2421.427	0		0	0	0	2421.427
Audit Preparation and Coordination		1.00	32	\$75.67	\$2,421	\$0		\$0	\$0	\$0	\$2,421
	U.C. per FTE		40	E08	3026.784	0		0	0	0	3026.784
Annual Operations and Maintenance Reports		1.00	40	\$75.67	\$3,027	\$0		\$0	\$0	\$0	\$3,027
	U.C. per FTE		160	P21	9253.838	0		0	0	0	9253.838
Subcontract Administrator		1.00	160	\$57.84	\$9,254	\$0		\$0	\$0	\$0	\$9,254
Subtotal					\$44,735	\$0		\$0	\$0	\$0	\$44,735
Sales Tax					\$0	\$0		\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0		\$0	\$0	\$0	\$0
Subtotal Estimate											\$44,735
Escalation					\$0	\$0		\$0	\$0	\$0	\$0
Contingency					\$0	\$0		\$0	\$0	\$0	\$0
---Total ER1221.04.01 Annual Program Management			636		\$44,735	\$0		\$0	\$0	\$0	\$44,735
--- ER 1230.01 Mobilization and Preparatory Work											
<i>Memo: Apply only when the project is large enough to support dedicated personnel instead of the pool account.</i>											
	GEN	U.C. per LS			0	0		0	10000	0	10000
Mobilization of Soil Handling Equipment			1.00	0	\$0	\$0		\$0	\$10,000	\$0	\$10,000
Subtotal					\$0	\$0		\$0	\$10,000	\$0	\$10,000
Sales Tax					\$0	\$0		\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0		\$0	\$2,903	\$0	\$2,903
Subtotal Estimate											\$12,903
Escalation					\$0	\$0		\$0	\$0	\$0	\$0
Contingency					\$0	\$0		\$0	\$0	\$0	\$0
---Total ER 1230.01 Mobilization and Preparatory Work			0		\$0	\$0		\$0	\$12,903	\$0	\$12,903
--- ER1230.03 Sitework											
<i>Memo: Apply only when the project is large enough to support dedicated personnel instead of the pool account.</i>											
	GEN	U.C. per ls			0	0		0	250000	0	250000
Temporary Utilities - water, power, ect.			1.00	0	\$0	\$0		\$0	\$250,000	\$0	\$250,000
	GEN	U.C. per cyd			0	0		0	20	0	20
Excavate Berm Area			7,300.00	0	\$0	\$0		\$0	\$146,000	\$0	\$146,000

Project Name:
WAG 10 OU10-04 FEASIBILITY STUDY-STF GUN RANGE (OPTION 3B)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(3B)**

CONSTRUCTION DETAIL ITEM REPORT

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **Planning**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Eqp</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
--- ER1230.03 Sitework										
Memo: Apply only when the project is large enough to support dedicated personnel instead of the pool account.										
	GEN	U.C. per cyd			0	0	0	20	0	20
Excavate Perimeter Outlying Areas		5,300.00	0		\$0	\$0	\$0	\$106,000	\$0	\$106,000
	GEN	U.C. per cyd			0	0	0	200	0	200
Contaminated Soil Walls		3.50	0		\$0	\$0	\$0	\$700	\$0	\$700
	GEN	U.C. per ea	4	CN-LABR	126.32	0	25	0	0	151.32
Encapsulate R.R. Roadties for Shipment		70.00	280	\$31.58	\$8,842	\$0	\$1,750	\$0	\$0	\$10,592
	GEN	U.C. per sf			0	0	0	1.5	0	1.5
Asphalt Pad Removal & Dispose @CFA		2,900.00	0		\$0	\$0	\$0	\$4,350	\$0	\$4,350
	GEN	U.C. per ls	16	CN-LABR	505.28	150	0	0	0	655.28
Demo Wood Building & Dispose @ CFA Landfill		1.00	16	\$31.58	\$505	\$150	\$0	\$0	\$0	\$655
	GEN	U.C. per cyd			0	0	0	12	0	12
Sort Soil for Lead Removal		12,600.00	0		\$0	\$0	\$0	\$151,200	\$0	\$151,200
		U.C. per Ship			0	0	0	1100	0	1100
Transport Contaminated Railroad Ties to Arlington, Oregon		1.00	0		\$0	\$0	\$0	\$1,100	\$0	\$1,100
Memo: 13,280 cyds or 2,682,560 gals @ 5,000 gals / tanker = 537 tanks										
		U.C. per Tons			0	0	0	235	0	235
R.R. Ties to Oregon for Disposal		5.00	0		\$0	\$0	\$0	\$1,175	\$0	\$1,175
	GEN	U.C. per TON			0	0	0	125	0	125
Acid Wash Soil Treatment		20,640.00	0		\$0	\$0	\$0	\$2,580,000	\$0	\$2,580,000
	GEN	U.C. per cyd			0	0	0	4	0	4
Return Soil to Site @ 90% Returned		11,340.00	0		\$0	\$0	\$0	\$45,360	\$0	\$45,360
	GEN	U.C. per tanks			0	0	0	5400	0	5400
Transport Contaminated Soil Wash to Arlington Oregon		59.00	0		\$0	\$0	\$0	\$318,600	\$0	\$318,600
Memo: 13,280 cyds or 2,682,560 gals @ 5,000 gals / tanker = 537 tanks										
	GEN	U.C. per tanks			0	0	0	12500	0	12500
Landfill Hazardous Liquids/Sludge Fee		59.00	0		\$0	\$0	\$0	\$737,500	\$0	\$737,500
Memo: \$2.50 / gal x 5,000 gals = \$12,500 / tank										
	GEN	U.C. per ton			0	0	0	-200	0	-200
Recycle lead Materials (Assume \$.10/ lbs Credit from Recycle)		64.40	0		\$0	\$0	\$0	(\$12,880)	\$0	(\$12,880)

12-47

Project Name: **CONSTRUCTION DETAIL ITEM REPORT**
WAG 10 OU10-04 FEASIBILITY STUDY-STF GUN RANGE (OPTION 3B)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(3B)**

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **Planning**

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
--- ER1230.03 Sitework										
<i>Memo: Apply only when the project is large enough to support dedicated personnel instead of the pool account.</i>										
	GEN	U.C. per trips			0	0	0	400	0	400
	Cost to Haul Lead Materials to Recycler	5.00	0		\$0	\$0	\$0	\$2,000	\$0	\$2,000
Subtotal					\$9,348	\$150	\$1,750	\$4,331,105	\$0	\$4,342,353
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$2,714	\$44	\$508	\$1,256,659	\$0	\$1,259,925
Subtotal Estimate										\$5,602,277
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
---Total ER1230.03 Sitework			296		\$12,061	\$194	\$2,258	\$5,587,764	\$0	\$5,602,277
--- ER1230.18 Site Restoration										
<i>Memo: Apply only when the project is large enough to support dedicated personnel instead of the pool account.</i>										
	GEN	U.C. per sf			0	0	0	0.04	0	0.04
	Revegetate Remediation Area	180,000.00	0		\$0	\$0	\$0	\$7,200	\$0	\$7,200
Subtotal					\$0	\$0	\$0	\$7,200	\$0	\$7,200
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$2,090	\$0	\$2,090
Subtotal Estimate										\$9,290
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
---Total ER1230.18 Site Restoration			0		\$0	\$0	\$0	\$9,290	\$0	\$9,290
--- ER1230.19 Demobilization										
<i>Memo: Apply only when the project is large enough to support dedicated personnel instead of the pool account.</i>										
	GEN	U.C. per LS			0	0	0	10000	0	10000
	Demobilization of Soil Handling Equipment	1.00	0		\$0	\$0	\$0	\$10,000	\$0	\$10,000
Subtotal					\$0	\$0	\$0	\$10,000	\$0	\$10,000
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$2,903	\$0	\$2,903
Subtotal Estimate										\$12,903
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
---Total ER1230.19 Demobilization			0		\$0	\$0	\$0	\$12,903	\$0	\$12,903
--- ER1230.23.01 Remedial Action Documentation										
		U.C. per FTE			18212.834	0	0	0	0	18212.834
	Shipping/Transportation Documentation	1.00	320	F23 \$56.92	\$18,213	\$0	\$0	\$0	\$0	\$18,213

12-48

Project Name: **WAG 10 OU10-04 FEASIBILITY STUDY-STF GUN RANGE (OPTION 3B)**
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(3B)**

CONSTRUCTION DETAIL ITEM REPORT

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **Planning**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Eqp</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
--- ER1230.23.01 Remedial Action Documentation										
Review & Comments Resolution		U.C. per FTE	4.00	80 320	F23 \$56.92	4553.209 \$18,213	0 \$0	0 \$0	0 \$0	4553.209 \$18,213
Subtotal						\$36,426	\$0	\$0	\$0	\$36,426
Sales Tax						\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads						\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$36,426
Escalation						\$0	\$0	\$0	\$0	\$0
Contingency						\$0	\$0	\$0	\$0	\$0
--- Total ER1230.23.01 Remedial Action Documentation			640			\$36,426	\$0	\$0	\$0	\$36,426
--- ER 1270.07 Summary Report										
Remedial Action Report Preparation		U.C. per FTE	1.00	320 320	E08 \$75.67	24214.271 \$24,214	0 \$0	0 \$0	0 \$0	24214.271 \$24,214
Reviews and Comment Resolution		U.C. per FTE	1.00	320 320	E08 \$75.67	24214.271 \$24,214	0 \$0	0 \$0	0 \$0	24214.271 \$24,214
Subtotal						\$48,429	\$0	\$0	\$0	\$48,429
Sales Tax						\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads						\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$48,429
Escalation						\$0	\$0	\$0	\$0	\$0
Contingency						\$0	\$0	\$0	\$0	\$0
--- Total ER 1270.07 Summary Report			640			\$48,429	\$0	\$0	\$0	\$48,429
--- GAPIF Non-Org G&A and PIF										
<i>Memo: This is a model that works with the macro named "INEELRollup_Rev0.BAS".</i>										
PF	NOGAPIF	U.C. per \$				0	0	0	1	1
Procurement Fee %		102,373.00	0			\$0	\$0	\$0	\$102,373	\$102,373
G&A	NOGAPIF	U.C. per \$				0	0	0	1	1
G&A Fee %		38,902.00	0			\$0	\$0	\$0	\$38,902	\$38,902
Subtotal						\$0	\$0	\$0	\$141,275	\$141,275
Sales Tax						\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads						\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$141,275
Escalation						\$0	\$0	\$0	\$0	\$0
Contingency						\$0	\$0	\$0	\$0	\$0
--- Total GAPIF Non-Org G&A and PIF			0			\$0	\$0	\$0	\$141,275	\$141,275

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Project Name:
WAG 10 OU10-04 FEASIBILITY STUDY-STF GUN RANGE (OPTION 3B)
 Project Location: **STF-02 Gun Range**
 Estimate Number: **8950 -2(3B)**

CONSTRUCTION DETAIL ITEM REPORT

Client: **Barbara Broomfield**
 Prepared By: **KLS, SNW, SLC**
 Estimate Type: **Planning**

<u>LEVEL</u>	<u>Org/Subcontractor</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew/Rate</u>	<u>Labor</u>	<u>Const Eqp</u>	<u>Matl</u>	<u>S/C</u>	<u>Other</u>	<u>TOTAL</u>
Subtotal	WAG 10 OU-10-4 STF GUN RANGE OPT. 3B				\$970,683	\$150	\$51,750	\$4,358,305	\$141,275	\$5,522,163
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$2,714	\$44	\$508	\$1,264,556	\$0	\$1,267,821
Subtotal Estimate										\$6,789,983
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
Total	WAG 10 OU-10-4 STF GUN RANGE OPT. 3B		10,589		\$973,396	\$194	\$52,258	\$5,622,861	\$141,275	\$6,789,983

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