

Detterman, Mark, Env. Health

From: Matt Farris [matt.farris@innovex.net]
Sent: Wednesday, August 13, 2014 10:28 AM
To: Sunil.Ramdass@waterboards.ca.gov
Cc: Brian Busch; Detterman, Mark, Env. Health
Subject: Excavation cost breakdown for Claim# 14228
Attachments: Copy of Excavation_scope_brkdown.xls

Hi Sunil,

Here is the cost breakdown you requested for excavation activities at the Palace Garage site in San Leandro, claim #14228. I used the original change order cost breakdown sheet and expanded it to clarify the lump sums previously listed. The excavation scope will include the following activities:

- Pre-field coordination, utility search and public notification of excavation for nearby sites
- Permit procurement/agency notification and subcontractor coordination
- Mobilization of equipment and materials
- Asphalt removal
- Shoring installation
- Excavation and stockpiling of impacted soil (2 phases)
- Import and placement/ compaction of drain rock backfill (2 phases)
- Waste characterization, loading, transportation and disposal
- Asphalt surface replacement
- Evaluation and reporting

Please keep in mind this is just the proposed scope of work for excavation at the site. Public notification of closure, well destruction, and site restoration are not included. I did however include general costs to complete these activities as part of the post remediation/closure section of the change order breakdown for your convenience. If you have any questions or would like additional information please feel free to contact me.

Thanks,
Matt

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USTCF Budget Estimate

Budget Estimate for Additional Work - Fiscal Year 2014/2015

Site Address: 14336 Washington Ave, San Leandro, CA 94578
 Budget Allocation for FY 2014/2015: **\$45,000**
 Requested Increase: **\$134,000**
 Total Budget for FY 2014/2015: **\$179,000**
 Change Order Request Date: 7/1/14

Claim # 14228
 Prepared By: INNOVEX
 CUF Reviewed By:
 CUF Review Date:

Work Phase	Task		First Quarter (Jul-Sep 2014)	Second Quarter (Oct-Dec 2014)	Third Quarter (Jan-Mar 2015)	Fourth Quarter (Apr-Jun 2015)	
1 Project Management	Scheduling, oversight, supervision, coord		\$1,000	\$1,000	\$1,000	\$1,000	\$0
	TOTAL	\$0	\$1,000	\$1,000	\$1,000	\$1,000	\$0
2 Site Assessment	Soil/Water Sampling						
	Boring/Well installation						
	Soil Gas Survey						
	Workplan/Reporting						
	Laboratory Analysis						
	Other (Receptor Survey)						
	TOTAL	\$0	\$0	\$0	\$0	\$0	\$0
3 Groundwater Monitoring	Soil/Water Sampling		\$2,000		\$2,000		
	Reporting		\$2,000		\$2,000		
	Laboratory Analysis		\$2,000		\$2,000		
	Other						
	TOTAL		\$6,000	\$0	\$6,000	\$0	\$0
4&5 Remedy Selection	Feasibility Study/Alternative Screening						
	Bench or Pilot Test						
	Corrective Action Plan						
	Workplan/Reporting (Conceptual Site Model)						
	Other						
	TOTAL	\$0	\$0	\$0	\$0	\$0	\$0
5 Interim Remedial Action	INNOVEX pre-field coordination/ utility search /public notification			\$8,000			
	INNOVEX permitting/ subcontractor coordination			\$10,000			
	SUBCONTRACTOR						
	Excavation/backfilling/restoration			\$65,000			
	INNOVEX Excavation/backfilling/restoration oversight			\$15,000			
	SUBCONTRACTOR Waste transportation and disposal			\$22,000			
	INNOVEX Waste characterization/ transportation coordination/oversight			\$7,500			
	Evaluation and Reporting			\$4,000			
	Soil/Water Sampling						
	Laboratory Analysis			\$1,500			
	Utilities						
	Other						
	TOTAL	\$0	\$0	\$133,000	\$0	\$0	\$0
6 Remedial Implementation	Design/Specs/Bidding						
	Permitting						
	Well Installation/Construction						
	Bio-Treatment						
	Disposal						
	Soil/Water Sampling						
	Laboratory Analysis						
	Workplan/Reporting						
	Other						
	TOTAL	\$0	\$0	\$0	\$0	\$0	\$0
7 Remedial System O&M	System Startup						
	System Monitoring/O&M (\$3000/mo)						
	Repairs/Consumables						
	Propane (estimated \$8,000/month)						
	Utilities (Electricity \$1,000/mo)						
	Soil/Water/Vapor Sampling						
	Laboratory Analysis - Startup Sampling						
	Reporting						
	Carbon Changeout/Disposal						
	Other: System Decommissioning						
	TOTAL	\$0	\$0	\$0	\$0	\$0	\$0
8 Post Remediation/Closure	Post Remediation Water Sampling						
	Verification Soil Sampling						
	Laboratory Analysis					\$1,000	
	Data Evaluation/Risk Assessment						
	Vapor Intrusion Study						
	Well Abandonment & Site Restoration					\$23,000	
	Reporting and public notification for closure				\$6,000		
	Other						
TOTAL	\$0	\$0	\$0	\$6,000	\$24,000	\$0	
Subtotal		\$0	\$7,000	\$134,000	\$13,000	\$25,000	\$0

Total Budget Requested for Fiscal Yr 2014/2015

\$179,000