



October 10, 2002

N60028_001136
TREASURE ISLAND
SSIC NO. 5090.3.A

IT Corporation
4005 Port Chicago Highway
Concord, CA 94520-1120
Tel. 925.288.9898

A Member of The IT Group

Contract Task Order: 0043

**Technical Memorandum – Transport and Disposal
of CalTrans Trench Spoils**

This Technical Memorandum describes the work planned for removing, staging, profiling, transporting and disposing of trench spoils excavated by the California Department of Transportation (CalTrans) within the temporary construction easement for the bridge construction.

Background

CalTrans is in the process of replacing the eastern span of the Bay Bridge. The west anchorage of the bridge is going to be sited on Yerba Buena Island on property once owned by the Navy. In mid-September, while preparing the site, CalTrans relocated a buried water pipeline. During excavation of the trench, CalTrans discovered material consisting primarily of building demolition refuse (concrete, brick, wood, tile, drywall) and some electronic parts (dry-cell battery packs). The material was confined to approximately 130 lineal feet of the trench alignment and was exposed in the upper 3 feet of the excavation. This debris material and surrounding soil (spoils) was excavated from the trench and piled about 1 foot deep over an area extending about 10 to 20 feet north of the trench.

Scope

The Navy has requested IT Corporation to:

- Remove loose remnant battery debris from sidewalls and base of the trench
- Segregate the batteries from the spoils piles
- Sample the batteries for waste profiling
- Provide measurements of the locations of major zones of debris removed from the trench walls.
- Sample the spoils and analyze for waste profiling
- Remove the debris contaminated spoils from the edge of the ditch, place in roll-off bins, and transport to a designated staging area
- Transport and dispose of the spoils at an appropriate landfill
- Transport and dispose of the electronics debris as hazardous waste.

This Technical Memorandum describes these tasks.

Battery Debris

IT will segregate battery and other obvious electronic debris from the spoils piles and from the trench wall using hand shovels. Only debris that is loose and relatively accessible in the trench wall or the spoils pile will be segregated. Material that is well into the trench wall will be left in place. Also, battery debris that is deep inside the spoils pile and removed in bulk, by loaders, will not be segregated.

Taped measurements will be made of the configuration of the trench wall after loose battery debris has been removed. The measurements will be made to the nearest foot from permanent landmarks (e.g., utility manholes, bridge foundation, etc.) A dimensioned site map will be developed so that the debris left in place can be accurately located at a future date.

Battery will be collected and placed into 55-gallon drums. A representative sample of the battery debris will be collected and waste-profiled for the following constituents: Title 22 Metals, PCBs, PAHs, SVOCs, and VOCs. The 55-gallon drums will be staged at a secure fenced location on Treasure Island, either within the Debris Areas A and B (Lester Court and Westside Drive) or within the IDW waste collection area located off of Avenue L. Upon profiling, the drums will be transported and disposed to an appropriate waste disposal facility (likely a Class 1 hazardous waste landfill).

Spoils Piles

Spoils mixed with demolition refuse will be scooped from the ground surface using loaders and placed into roll-off bins. Empty bins will be staged on site, in an open area north of the fence delineating the excavation. As needed, the bins will be moved to the perimeter of the work area and loaded with spoils and demolition debris. One or more bin hauling trucks will pick up the bins as they are loaded and move them to within the Debris Areas A and B (Lester Court and Westside Drive) which is a secure fenced location on Treasure Island.

Not all the battery debris will be culled from the spoils pile. An assessment will be made of the relative amount of remaining battery debris included within the spoils material. Samples of the spoils material will be collected from four random locations, and composited to make one waste profile sample. The composited waste sample will include a small proportionately representative amount of battery debris. The waste profile sample will be analyzed for the following constituents: Title 22 Metals, PCBs, pesticides, PAHs, SVOCs, VOCs, and TPH as diesel and motor oil.

Upon profiling, the bins full of spoils and demolition debris will be transported to an appropriate (likely Class 2) landfill for disposal.

Health and Safety

An IT Site Health and Safety Officer (SHSO) will monitor the sampling and removal activities. Site personnel will conduct work in EPA Level D Modified (Tyvek coveralls, hardhat, steel-toed boots, safety glasses and gloves). Appropriate exclusion zones will be set up and managed during the construction activities. Construction dust will be managed by spraying with water.

The SHSO will monitor airborne dust levels. The action level for upgrading protective measures will be 0.5 mg/m^3 . If airborne dust concentrations exceed 0.5 mg/m^3 more than five times in any 15-minute period or more than 5 sustained minutes, personnel protective measures will be upgraded.



IT CORPORATION
A Member of The IT Group

IT TRANSMITTAL/DELIVERABLE RECEIPT

CONTRACT : N62474-98-D-2076

DOCUMENT CONTROL NUMBER : 4854.0

TO: Administrative Contract Officer
 Southwest Division
 Naval Facilities Engineering Command
 Michelle Crook, 02R1.MC
 1230 Columbia St., Suite 870
 San Diego, CA 92101-5817

Date : October 11, 2002

CTO : 0043

Location: NAVSTA, Treasure Island

FROM:

Pete Bourgeois
 Project Manager

DESCRIPTION *Technical Memorandum, Transport and Disposal of CalTrans Trench Spoils, Dated October 10,*
OF *2002*
ENCLOSURE :

TYPE : Technical Memorandum

VERSION : N/A

REVISION No : 0

ADMIN RECORD :

SCHEDULED DELIVERY DATE : N/A

ACTUAL DELIVERY DATE : October 11, 2002

NUMBER OF COPIES SUBMITTED TO THE NAVY: 1/O, 3/C, 8/E

[AS REQUIRED/DIRECTED BY THE SOW

COPIES TO :

SWDIV

Scott Anderson, 06CA.SA (1C/3E)
 Basic Contract Files, 02R1 (1O/1E)
 Diane Silva, 4MG.DS (1C/3E)
 Jim Sullivan, (1C/1E)

IT CORPORATION

Chron
 Pete Bourgeois, Concord (1C/1E)
 Stan Clarke, Concord (1C/1E)
 IT Project File, Concord (1C/1E)
 Treasure Island Library, San Francisco
 (1C/1E)
 Concord Library, Concord (1C/1E)

Other