

# **INFORMATION HANDOUT**

**For Contract No. 07-292104**

**At 07-LA-101,134,170-11.4/11.8, 0.0/0.5, R14.5/R14.8**

**Identified by**

**Project ID 0712000107**

## **MATERIALS INFORMATION**

Fiber Optic System As-Built Drawings

Aerially Deposited Lead (ADL) Concentration Data and Sample Locations Map

CHECKED BY JZ 5/95 DATE REVISED

- 1 INSTALL CONDUIT(S) IN TRENCH IN PAVED SHOULDER. MAINTAIN A MINIMUM DISTANCE OF 4 FEET FROM EDGE OF TRAVELWAY. SEE SHEET E-52 FOR DETAILS.
- 2 INSTALL CONDUIT(S) IN TRENCH IN SOIL OFF OF THE SHOULDER. SEE SHEET E-51 FOR DETAILS.
- 3 INSTALL COMMUNICATION PULL BOX WITH TWISTED-PAIR SPLICE CLOSURE. SEE SHEETS E-55 AND E-56 FOR DETAILS.
- 4 JACK RIGID STEEL CONDUIT(S) UNDER ROADWAY. SEE SHEET E-53 FOR DETAILS.
- 5 INSTALL FIBERGLASS REINFORCED EPOXY (FRE) CONDUIT(S) ON STRUCTURE. SEE SHEETS C-4 TO C-11 FOR DETAILS.
- 9 ADD CABLE(S) AND CONNECT TO CONTROLLER.
- 10 INSTALL TELEPHONE BRIDGE AND 12-PAIR TERMINAL BLOCK IN CONTROLLER CABINET. SEE SHEETS E-58 AND E-60 FOR DETAILS.
- 11 DISCONNECT EXISTING TELCO DEMARCATION CABLE ONLY AFTER TESTING ALL INSTALLED EQUIPMENT, VERIFYING THE INSTALLATION IS OPERATIONAL AND GETTING APPROVAL FROM THE ENGINEER.
- 25 IDENTIFY AND RC EXISTING DLC CONNECTING TO ABANDONED LOOPS IN THIS PROJECT. ADD NEW DETECTOR LOOP CABLE(S) THROUGH EXISTING CONDUIT INTO THE EXISTING CABINET.
- 28 INSTALL STATE-FURNISHED LOOP DETECTOR SENSORS IN EXISTING CABINET.

CONDUIT AND CONDUCTOR SCHEDULE (THIS SHEET ONLY)													
CONDUCTOR TYPE	FUNCTION	1	2	3	4	5	6	7	8	9	10	11	12
50P22 CABLE	DATA/PHONE												
6P22 CABLE	DATA/PHONE												
48 SMFO CABLE	VIDEO/DATA												
12 SMFO CABLE	SH VIDEO												
#4	POWER												
DLC	RAMP/COUNT								10	5	4	2	
	INNERDUCT												
CONDUIT	SIZE	1 1/4"	1 1/4"										

(E) - EXISTING CONDUIT OR CONDUCTOR

07	LA	101	R4.4/R17.1	79	154
----	----	-----	------------	----	-----

2/17/95  
 REGISTERED ELECTRICAL ENGINEER  
 ELIA G. SAGHIR  
 No. E014922  
 Exp. 6/30/95  
 STATE OF CALIFORNIA

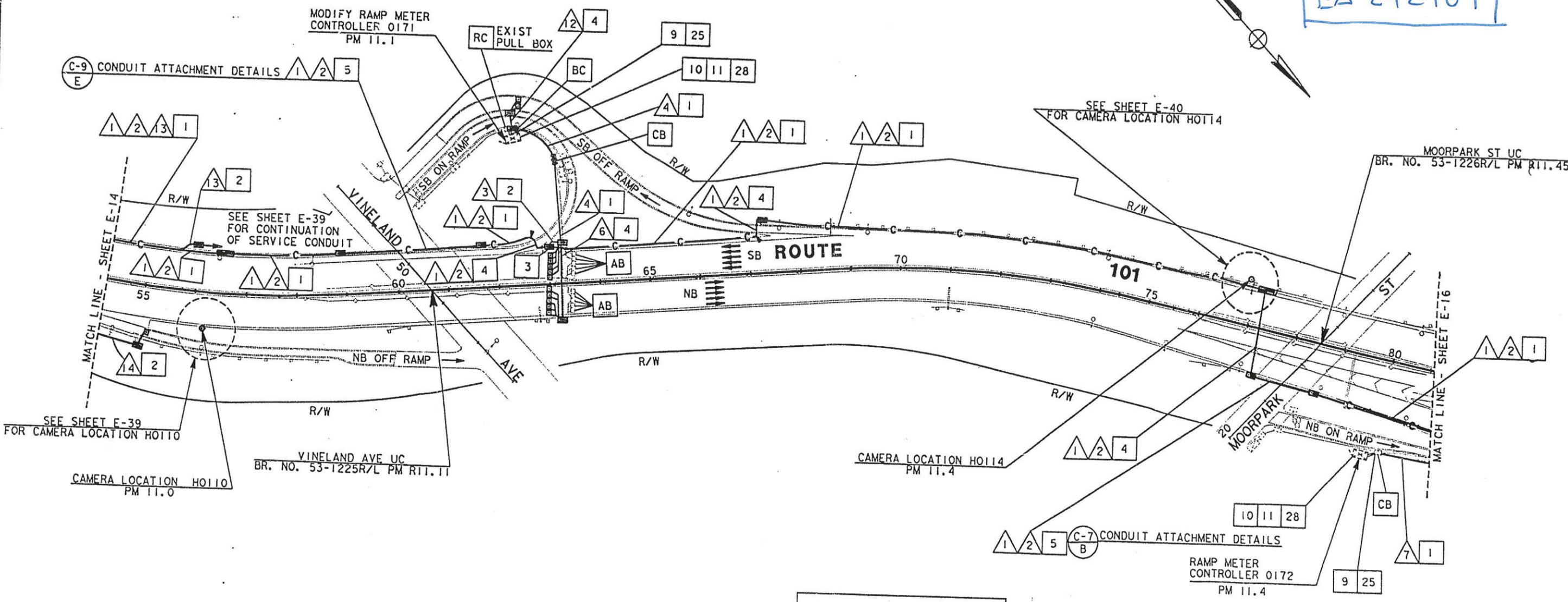
10-10-95  
 PLANS APPROVAL DATE

NATIONAL ENGINEERING TECHNOLOGY  
 14320 FIRESTONE BLVD., SUITE 100  
 LA MIRADA, CA 90638

IN ASSOCIATION WITH:  
 RAYTHEON INFRASTRUCTURE SERVICES, INC.  
 ABRATIQUE AND ASSOCIATES, INC.

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

EA 292101



**AS-BUILT**  
 Contract No. 07- 120724  
 Resident Engineer: MANNA, H.  
 Completion Date: 04/20/1999

**LOOP DETECTOR, CCTV AND COMMUNICATION SYSTEM ROUTING**

SCALE: 1"=100'

NOTE: FOR LEGEND AND PROJECT NOTES SEE SHEETS E-1 AND E-2. THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

TIME PLOTTED => 17-OCT-1995 10:53

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	101	R4.4/R17.1	80	154

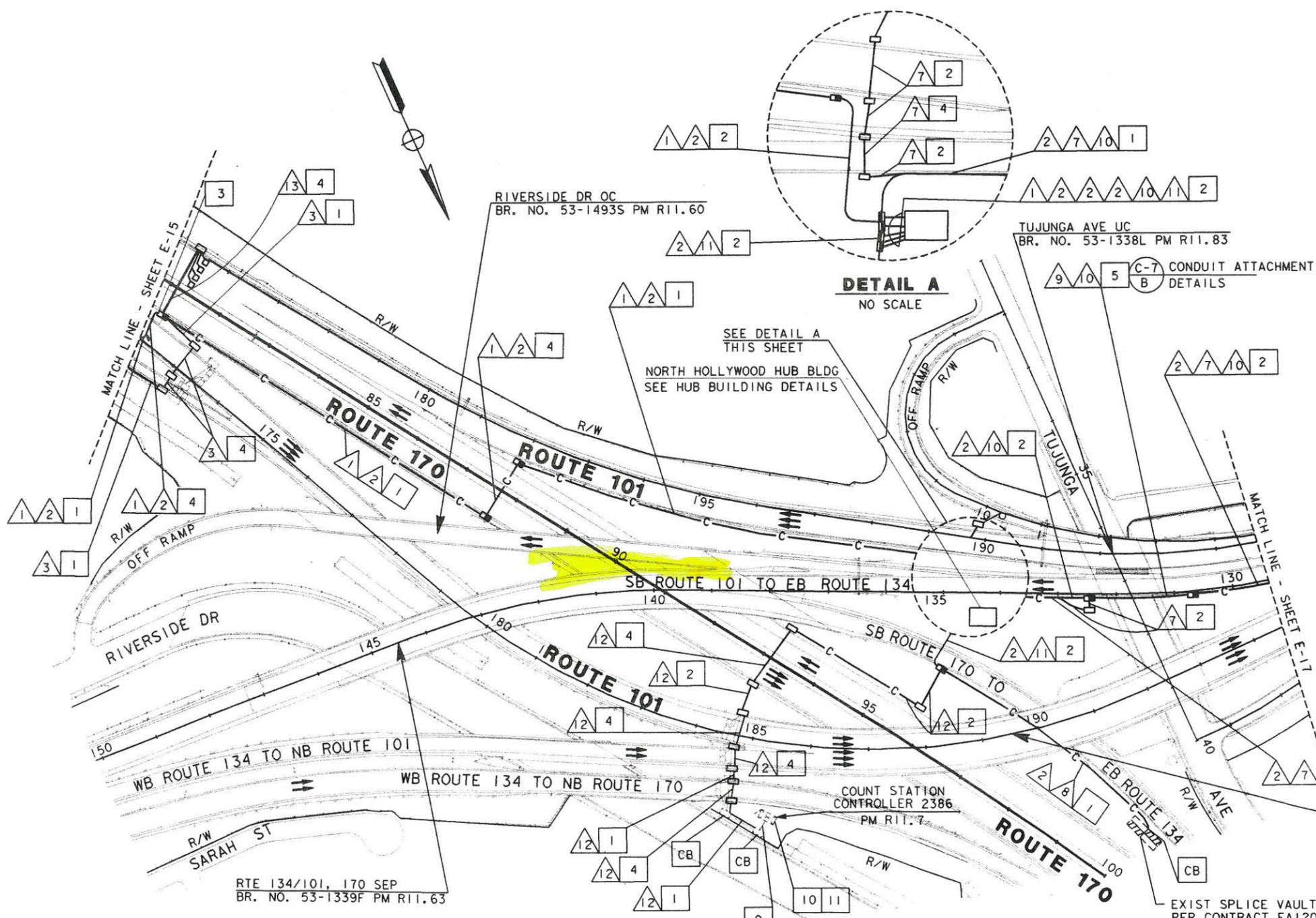
*Elia G. Saghir* 2/17/95  
 REGISTERED ELECTRICAL ENGINEER  
 No. E014922  
 Exp. 6/30/95  
 ELECTRICAL  
 STATE OF CALIFORNIA

10-10-95  
 PLANS APPROVAL DATE  
 NATIONAL ENGINEERING TECHNOLOGY  
 14320 FIRESTONE BLVD., SUITE 100  
 LA MIRADA, CA 90638  
 IN ASSOCIATION WITH:  
 RAYTHEON INFRASTRUCTURE SERVICES, INC.  
 ABRATIQUE AND ASSOCIATES, INC.

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

CONDUIT AND CONDUCTOR SCHEDULE (THIS SHEET ONLY)		1	2	3	5	7	8	9	10	11	12	13
CONDUCTOR TYPE	FUNCTION											
50P22 CABLE	DATA/PHONE											
6P22 CABLE	DATA/PHONE											
72 SMFO CABLE	VIDEO/DATA											
48 SMFO CABLE	VIDEO/DATA											
12 SMFO CABLE	SH VIDEO											
24 SMFO CABLE	SH VIDEO											
DLC	RAMP/COUNT				4	7						4
	INNERDUCT	1/4"	1/4"				1/4"	1/4"	1/4"	1/4"	1/4"	
CONDUIT	SIZE	4"	4"	2"	2"	2"	4"	4"	4"	4"	2"	2"

(E) - EXISTING CONDUIT OR CONDUCTOR



PROJECT NOTES: (THIS SHEET ONLY)

- 1 INSTALL CONDUIT(S) IN TRENCH IN PAVED SHOULDER. MAINTAIN A MINIMUM DISTANCE OF 4 FEET FROM EDGE OF TRAVELWAY. SEE SHEET E-52 FOR DETAILS.
- 2 INSTALL CONDUIT(S) IN TRENCH IN SOIL OFF OF THE SHOULDER. SEE SHEET E-51 FOR DETAILS.
- 3 INSTALL COMMUNICATION PULL BOX WITH TWISTED-PAIR SPLICE CLOSURE. SEE SHEETS E-55 AND SHEET E-56 FOR DETAILS.
- 4 JACK RIGID STEEL CONDUIT(S) UNDER ROADWAY. SEE SHEET E-53 FOR DETAILS.
- 5 INSTALL FIBERGLASS REINFORCED EPOXY (FRE) CONDUIT(S) ON STRUCTURE. SEE SHEETS C-4 TO C-11 FOR DETAILS.
- 9 ADD CABLE(S) AND CONNECT TO CONTROLLER.
- 10 INSTALL TELEPHONE BRIDGE AND 12-PAIR TERMINAL BLOCK IN CONTROLLER CABINET. SEE SHEETS E-58 AND E-60 FOR DETAILS.
- 11 DISCONNECT EXISTING TELCO DEMARCATION CABLE ONLY AFTER TESTING ALL INSTALLED EQUIPMENT, VERIFYING THE INSTALLATION IS OPERATIONAL AND GETTING APPROVAL FROM THE ENGINEER.

NOTE: FOR LEGEND AND PROJECT NOTES SEE SHEETS E-1 AND E-2. THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

EXIST SPLICE VAULT PER CONTRACT EA120861. SPLICE 24 SMFO CABLE TO EXIST 24 SMFO CABLE IN EXIST SPLICE VAULT.

**LOOP DETECTOR AND COMMUNICATION SYSTEM ROUTING**

SCALE: 1"=100'

**E-16**

PROJECT ENGINEER PAT SULLIVAN  
 CALCULATED/DESIGNED BY ES 2/95  
 CHECKED BY JZ 5/95  
 DATE REVISED BY DATE REVISED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 Caltrans

Sample No.	Total Lead mg/kg	WET mg/l	WET-DI mg/l
B6-S	24	---	---
B6-1.5	1500	---	---
B6-5.0	79	4.5	---

Sample No.	Total Lead mg/kg	WET mg/l	WET-DI mg/l
B5-S	24	---	---
B5-1.5	612	27	---
B5-5.0	288	22	ND

Sample No.	Total Lead mg/kg	WET mg/l	WET-DI mg/l
B4-S	54	2.1	---
B4-1.5	25	---	---
B4-5.0	20	---	---

Sample No.	Total Lead mg/kg	WET mg/l	WET-DI mg/l
B3-S	2190	---	---
B3-1.5	70	---	---
B3-5.0	22	---	---

Sample No.	Total Lead mg/kg	WET mg/l	WET-DI mg/l
B2-S	508	---	---
B2-1.5	773	---	---
B2-5.0	1330	---	---

Sample No.	Total Lead mg/kg	WET mg/l	WET-DI mg/l
B1-S	1670	---	---
B1-1.5	228	1.5	---
B1-5.0	32	---	---

It is recommended that the soil excavated during soundwall construction be re-used on-site as backfill material in accordance with the DTSC guidelines. The soil may be re-used by placing it back in the excavation a minimum of 1.52 meters (5 feet) above the maximum groundwater and covered by a pavement structure. If the excavated soil cannot be re-used on-site it is recommended that the soil be re-used by the same method within Caltrans right-of-way at another site or be disposed of appropriately.

BORING LOCATION MAP

TABLE I

## SUMMARY OF ANALYTICAL LABORATORY RESULTS

Sample Identification	Depth in meters (feet)	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead - WET EPA Test Method 7420 (mg/l)	Soluble Lead - WET-DI EPA Test Method 7420 (mg/l)
B1-S	surface	1670	---	---
B1-1.5	0.46 (1½)	228	15	---
B1-5.0	1.52 (5)	32	---	---
B2-S	surface	508	44	---
B2-1.5	0.46 (1½)	773	81	---
B2-5.0	1.52 (5)	1330	---	---
B3-S	surface	2190	---	---
B3-1.5	0.46 (1½)	70	8.0	---
B3-5.0	1.52 (5)	22	---	---
B4-S	surface	54	2.1	---
B4-1.5	0.46 (1½)	25	---	---
B4-5.0	1.52 (5)	20	---	---
B5-S	surface	24	---	---
B5-1.5	0.46 (1½)	612	27	---
B5-4.0	1.22 (4)	288	24	ND
B6-S	surface	24	---	---
B6-1.5	0.46 (1½)	1500	---	---
B6-5.0	1.52 (5)	79	4.5	---
B7-S	surface	1270	---	---
B7-1.5	0.46 (1½)	38	---	---
B7-5.0	1.52 (5)	125	5.8	---
B8-S	surface	1240	---	---
B8-1.5	0.46 (1½)	143	6.9	---
B9-S	surface	841	14	---
B9-1.5	0.46 (1½)	22	---	---
B9-5.0	1.52 (5)	27	---	---
B10-S	surface	240	16	---
B10-1.5	0.46 (1½)	33	---	---
B10-5.0	1.52 (5)	41	---	---
B11-S	surface	388	33	ND
B11-1.5	0.46 (1½)	28	---	---