DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF, Ala	80	12.2/14.3 0.0/4.0	407a 08S44	1204

Syn Yee Chin 03/08/10
REGISTERED ELECTRICAL ENGINEER DATE

05-06-2010
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SYN YEE CHIN
No. 18186
Exp. 09/30/2011
ELECTRICAL
STATE OF CALIFORNIA

PB AMERICAS, Inc.
A Parsons Brinckerhoff Company
303 Second St., Suite 700N
San Francisco, CA 94107-1317

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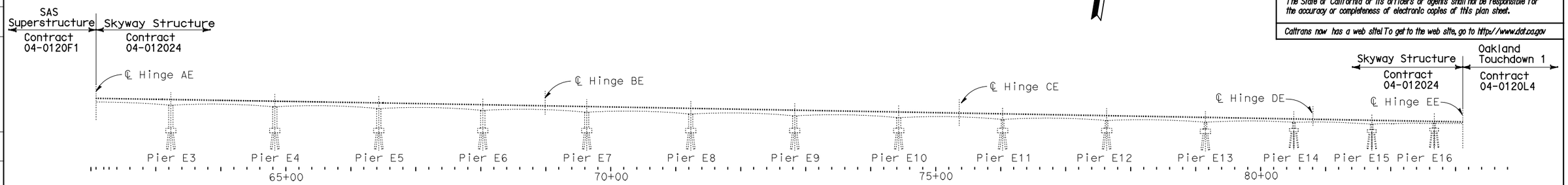
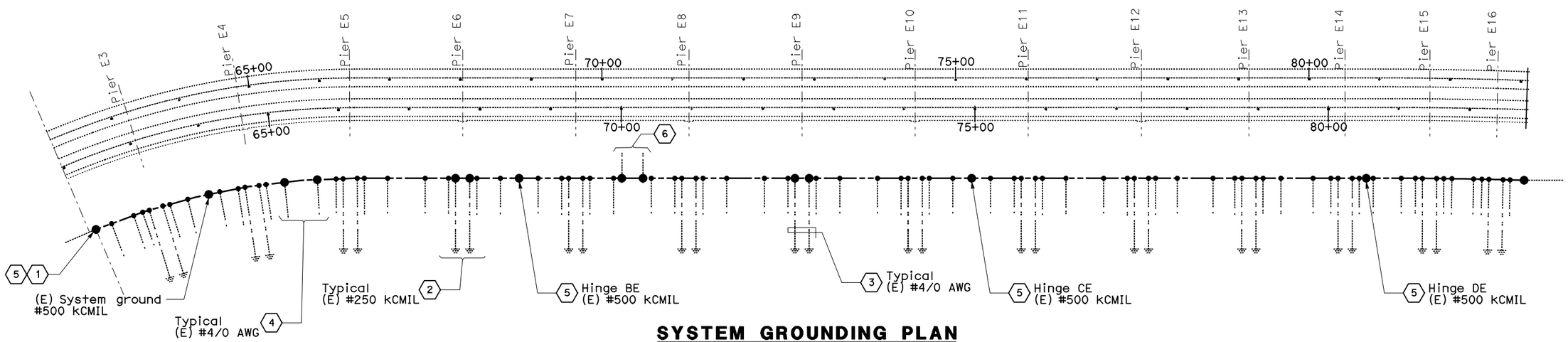
Caltrans now has a web site! To get to the web site, go to http://www.dot.ca.gov



ELEVATION



SYSTEM GROUNDING PLAN

NOTES:

1. References:
   - For applicable details see Grounding Detail sheet E-840.
2. The system ground shall be continuously and mechanically connected as noted on the sheet notes. The Contractor shall provide the inspection report to the engineer.

SHEET NOTES:

1. The Contractor shall connect the system ground provided by Skyway contract. The system ground #500 kCMIL shall be exothermically connected from SAS contract.
2. The Contractor shall visually inspect the ground connection to the pier column. The ground connection is #250 kCMIL to the system ground.
3. The Contractor shall visually inspect the ground connection to the service platform. The ground connection is #4/0 AWG, routed inside an existing conduit to the system ground.
4. The Contractor shall visually inspect the ground connection to the cable tray racks. The ground connection is #4/0 AWG, located 1/3 the distance between pier columns.
5. The Contractor shall disconnect and remove the connected system ground routed inside the existing hinge conduits. This ground conductor shall be re-installed together with 15 kV feeder cable. The ground conductors shall be exothermically connected.
6. The Contractor shall visually inspect the ground connections to the ground bar inside the substation. The bar is connected to the system ground.

REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
0	03/08/10	MEP INTEGRATION	SYC	FW	110

REVISIONS

CONTRACT CHANGE ORDER NO._____
SHEET _____ OF _____

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

DETAILS
BRIDGE STRUCTURES GIRDER EASTBOUND MAIN BRIDGE SYSTEM GROUNDING-EB
SCALE: 1:3000

E-839

REVISED BY	DATE REVISED
SYC	DATE 01/10
FW	01/10

CALCULATED/DESIGNED BY
CHECKED BY

DESIGN OVERSIGHT
BEHZAD GOLEMOHAMMADI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 00-00-00
DATE PLOTTED => 06-MAY-2010
TIME PLOTTED => 18:27

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

DGN FILE =>04-0120f1_E-839.dgn
USERNAME =>llorico

CU 04251 | EA 0120F1