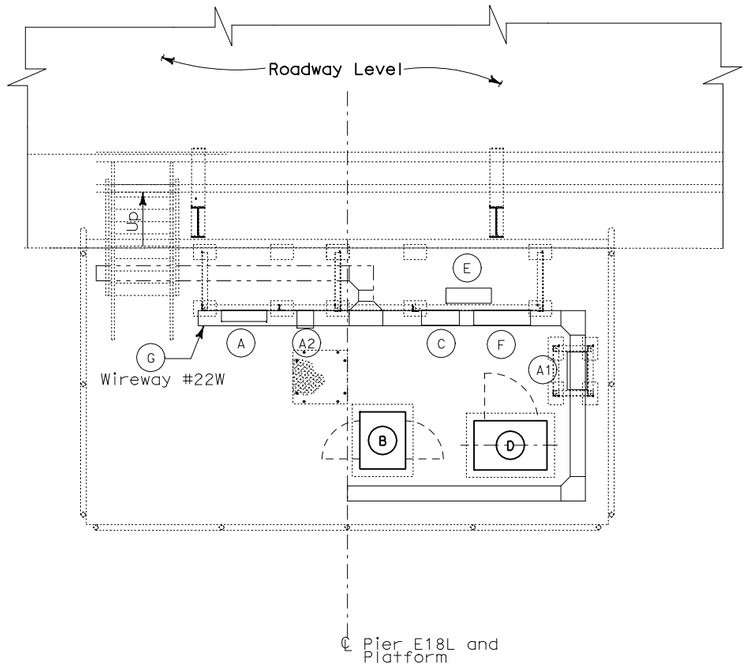
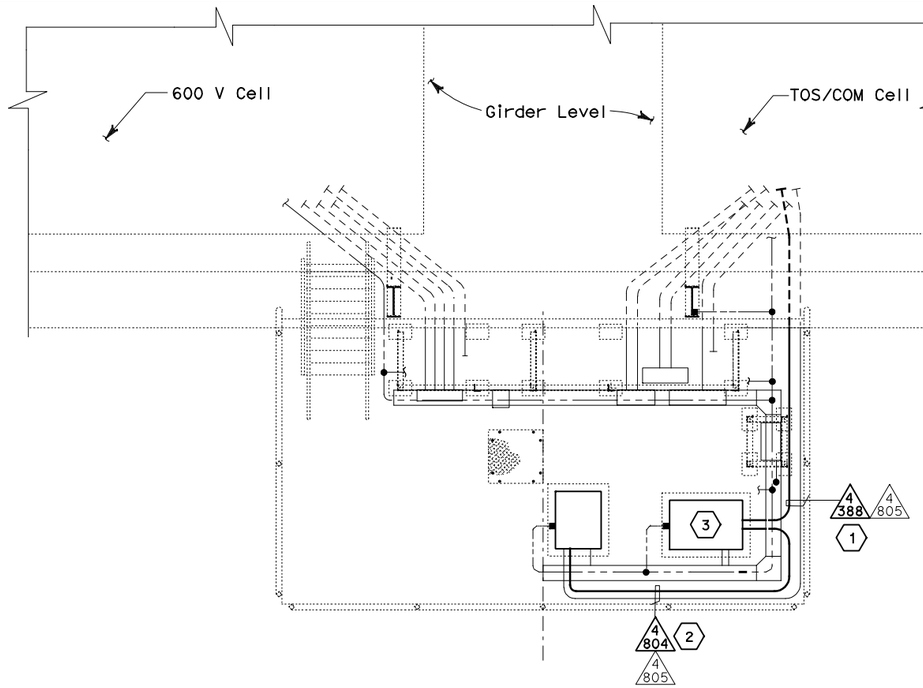


SERVICE PLATFORM #22W EQUIPMENT ARRANGEMENT PLAN

SCALE 1:40



CONDUIT AND GROUNDING PLAN

SCALE 1:40

Caltrans Metric

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF, Ala	80	12.2/14.3 0.0/4.0	407a 06S59	1204

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

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

05-06-2010
PLANS APPROVAL DATE

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

DESIGN OVERSIGHT — BEHZAD GOLEMOHAMMADI

CALCULATED/DESIGNED BY — SYC
CHECKED BY — FW

MARK	DATE	REVISED BY	DATE REVISED
0	01/10		

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — Caltrans

NOTES:

1. This plan sheet is a record drawing from Oakland Touchdown 1 contract. The Contractor shall verify the existing installation. See sheet E-20 from Oakland Touchdown 1, contract No. 04-0120L4.
2. The installed components shall not be limited to the ones listed below, but shall be a complete installation. For details, see Bridge Structures Girder Westbound, typical Details sheets.
   - Furnish and install TOS fiber optic cables into existing conduits shown on this drawing. See sheets E-978 through E-981.
3. All conduits and equipment shown on this drawing are existing. Bold ones are to be used for pulling cable.

SHEET NOTES:

(1) Furnish and install TOS fiber optic cables into existing conduit. Pull a 72 fiber and terminate in the splice closure inside TOS Splice Cabinet. See sheets E-980, E-981, and E-982.

(2) Furnish and install 12 fiber optic cables from Fiber Optic Splice Closure to Controller Cabinet. Coil 3m of cable inside Controller Cabinet for connection by others. The coiled end of the fiber optic cables shall be terminated with mated connectors. See sheets E-972 and E-973.

(3) Furnish and install Fiber Splice Closure in existing TOS Splice Cabinet.

EQUIPMENT SCHEDULE:

(A) Utility Panel UP-171
208/120 V, 3 Phase, 4 wire (NEMA 4X)
Size: 914 H x 610 W x 152 D. (PB-8A)

(A1) 15 KVA Transformer, 3 Phase, 4 wire
480V - 208/120 V, 60 Hz, (NEMA) 4X)
Size: 762 H x 584 W x 419 D

(A2) Enclosed molded case circuit breaker,(NEMA 4X)
Size: 506 H x 225 W x 237 D

(B) **Controller Cabinet #TOS-22WA**
Size: 1625 H x 615 W x 768 D

(C) Telephone Terminal Box #TEL-22W (PB-7C)
Size: 762 H x 508 W x 203 D

(D) **TOS splice cabinet #TOS-22WS with Fiber Splice Closure #FSC-22W inside (Refer to TOS sheet E-972)** (3)
Size: 1400 H x 980 W x 660 D

(E) PB-2B for TOS/COM, mounted on panel rack
Size: 762 H x 610 W x 203 D

(F) SCADA Communication Terminal Box #COM-22W (PB-7B)
Size: 762 H x 762 W x 203 D

(G) 600 V, Wireway (NEMA 4X)
Size: 203 H x 203 W

REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

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

CONTRACT CHANGE ORDER NO._____
SHEET _____ OF _____

DETAILS
BRIDGE STRUCTURES GIRDER WESTBOUND
OAKLAND APPROACH STRUCTURES-SERVICE PLATFORM #22W

SCALE AS NOTED

E-658

LAST REVISION 00-00-00 — DATE PLOTTED => 06-MAY-2010 — TIME PLOTTED => 18:08

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

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

DGN FILE =>04-0120f1_E-658.dgn
USERNAME =>llorico

CU 04251

EA 0120F1