DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF,Ala	80	12.2/14.3 0.0/4.0	407a 10S10	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 Metric

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 _____

Conduit/Tray No: 2T41 | Reference: E-805 to E-810, E-823A, E-829A
Size: 305 | Type: 152 mm siderail solid bottom tray
From: Hinge BE | To: Hinge CE
Total Fill (mm2): 7684.86 | Remarks: Installed in Skyway contract. All cables are existing except 72 and 12 Fiber.
Allowable Fill (mm2): 19354.80
Description of Changes:

Included Cable No.	Conductor Type	Area (mm2)
2473-14	50 pair #18, shielded pairs, IS/OS shield 600 V, XLPE insul., PVC jacket	1201.71
2473-15	50 pair #18, shielded pairs, IS/OS shield 600 V, XLPE insul., PVC jacket	1201.71
2473-16	50 pair #18, shielded pairs, IS/OS shield 600 V, XLPE insul., PVC jacket	1201.71
2473-17	50 pair #18, shielded pairs, IS/OS shield 600 V, XLPE insul., PVC jacket	1201.71
2473-18	50 pair #18, shielded pairs, IS/OS shield 600 V, XLPE insul., PVC jacket	1201.71
2473-23	50 pair #18, shielded pairs, IS/OS shield 600 V, XLPE insul., PVC jacket	1201.71
2475-4	72 Fiber, single mode fiber optic riser cable	323.65
2475-4E	12 Fiber, single mode fiber optic cable	30.19
2475-4F1	12 Fiber, single mode fiber optic cable	30.19
2475-4F2	12 Fiber, single mode fiber optic cable	30.19
2475-4G	12 Fiber, single mode fiber optic cable	30.19
2475-4H	12 Fiber, single mode fiber optic cable	30.19

Conduit/Tray No: 2T42 | Reference: E-810 to E-814, E-829A, E-833A
Size: 305 | Type: 152 mm siderail solid bottom tray
From: Hinge CE | To: Hinge DE
Total Fill (mm2): 6422.77 | Remarks: Installed in Skyway contract. All cables are existing except 72 and 12 Fiber.
Allowable Fill (mm2): 19354.80
Description of Changes:

Included Cable No.	Conductor Type	Area (mm2)
2473-18	50 pair #18, shielded pairs, IS/OS shield 600 V, XLPE insul., PVC jacket	1201.71
2473-19	50 pair #18, shielded pairs, IS/OS shield 600 V, XLPE insul., PVC jacket	1201.71
2473-20	50 pair #18, shielded pairs, IS/OS shield 600 V, XLPE insul., PVC jacket	1201.71
2473-21	50 pair #18, shielded pairs, IS/OS shield 600 V, XLPE insul., PVC jacket	1201.71
2473-22	50 pair #18, shielded pairs, IS/OS shield 600 V, XLPE insul., PVC jacket	1201.71
2475-4	72 Fiber, single mode fiber optic riser cable	323.65
2475-4I	12 Fiber, single mode fiber optic cable	30.19
2475-4J	12 Fiber, single mode fiber optic cable	30.19
2475-4K	12 Fiber, single mode fiber optic cable	30.19

Conduit/Tray No: 2T43 | Reference: E-815, E-816
Size: 305 | Type: 152 mm siderail solid bottom tray
From: Hinge DE | To: Hinge EE Girder Interface
Total Fill (mm2): 1879.20 | Remarks: Installed in Skyway contract. All cables are existing except 72 and 12 Fiber.
Allowable Fill (mm2): 19354.80
Description of Changes:

Included Cable No.	Conductor Type	Area (mm2)
2473-22	50 pair #18, shielded pairs, IS/OS shield 600 V, XLPE insul., PVC jacket	1201.71
2475-4	72 Fiber, single mode fiber optic riser cable	323.65
2475-4L	12 Fiber, single mode fiber optic cable	30.19

Conduit/Tray No: 4012 | Reference: E-638
Size: 41 | Type: RGS-PVC coated conduit
From: PB-2B | To: Controller Cabinet #TOS-09WA
Total Fill (mm2): 30.19 | Remarks: Installed in Skyway contract.
Allowable Fill (mm2): 702.80
Description of Changes:

Included Cable No.	Conductor Type	Area (mm2)
1475-4A	12 Fiber, single mode fiber optic cable	30.19
Pull Rope	Soft-Fiber Polyester	0.00

Conduit/Tray No: 4032 | Reference: E-639
Size: 41 | Type: RGS-PVC coated conduit
From: PB-2B | To: Controller Cabinet #TOS-10WA
Total Fill (mm2): 30.19 | Remarks: Installed in Skyway contract.
Allowable Fill (mm2): 702.80
Description of Changes:

Included Cable No.	Conductor Type	Area (mm2)
1475-4B	12 Fiber, single mode fiber optic cable	30.19
Pull Rope	Soft-Fiber Polyester	0.00

EXISTING
CONDUIT AND TRAY SCHEDULE

E-1009

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT: BEHZAD GOLEMOHAMMADI

CALCULATED/ DESIGNED BY	SYC	DATE 01/10	REVISED BY	DATE REVISED
CHECKED BY	FW	01/10		

LAST REVISION 00-00-00
DATE PLOTTED => 06-MAY-2010
TIME PLOTTED => 18:44