DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	357R1	1204

REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
1	02/19/08	ELECTRICAL MODIFICATIONS	MP EL	RR	42

REVISIONS

CONTRACT CHANGE ORDER NO._____
SHEET _____ OF _____

REGISTERED PROFESSIONAL ENGINEER MAXWELL FUMIO TAKATA No. E 8651 Exp. 9/30/2008 ELECTRICAL STATE OF CALIFORNIA

FOR REVISION ONLY

Caltrans Metric

12/19/02
REGISTERED ELECTRICAL ENGINEER DATE

REGISTERED PROFESSIONAL ENGINEER JENS ERLINGSSON No. 8249 Exp. 9/30/06 ELECTRICAL STATE OF CALIFORNIA

12-6-04
PLANS APPROVAL DATE

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

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CONDUIT DATA

Conduit No	Reference	Size	Type	Total Fill (mm²)	Allowable Fill (mm²)	Included Cable No.	Conductor Type
0583	E-11, E-21	103	RGS conduit	3077.66	3324.51	Pull rope	Soft-Fiber Polyester
						2121	1-3/C + gnd #1/0, 600 V, EPR insulation
						2120	1-3/C + gnd #1/0, 600 V, EPR insulation
						2125	1-3/C + gnd 250 kcmil, 600 V, EPR insulation
0584	E-11, E-21	103	RGS conduit	2518.76	3324.51	A-3043-1	1-3/C + gnd #2, 600 V, EPR insulation
						S-3051-1	1-3/C + gnd #4, 600 V, EPR insulation
						A-3006-1	1-3/C + gnd #4, 600 V, EPR insulation
						S-3022-1	1-3/C + gnd #2, 600 V, EPR insulation
						S-3023-1	1-3/C + gnd #4, 600 V, EPR insulation
						S-3021-1	1-3/C + gnd #4, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
0585	E-11, E-20	103	RGS conduit	647.30	3324.51	Pull rope	Soft-Fiber Polyester
						1477-2	72 Fiber, single mode fiberoptic riser cable
						1475-3	72 Fiber, single mode fiberoptic riser cable
0586	E-11, E-21	103	RGS conduit	1296.55	3324.51	2910-2	4 pair #22, shielded pairs, FEP insulation
						Pull rope	Soft-Fiber Polyester
						2910-3	4 pair #22, shielded pairs, FEP insulation
						1473-4	50 pair #18, shielded pairs, IS/OS shield 600 V, XLPE insul., PVC jacket
0587	E-11, E-21	103	RGS conduit	2780.99	3324.51	2391	3-1/C #4/0 + 1/C#1/0 gnd, 15 kV, EPR insulation
						Pull rope	Soft-Fiber Polyester
0588	E-11, E-21	103	RGS conduit	0.00	3324.51	Pull rope	Soft-Fiber Polyester
0590	E-11, E-20	103	RGS conduit	0.00	3324.51	Pull rope	Soft-Fiber Polyester
0591	E-11, E-21	103	RGS conduit	0.00	3324.51	Pull rope	Soft-Fiber Polyester
0600	E-11, E-20	103	RGS conduit	0.00	3324.51	Pull rope	Soft-Fiber Polyester
0601	E-11, E-20	103	RGS conduit	0.00	3324.51	Pull rope	Soft-Fiber Polyester
0602	E-11, E-20	103	RGS conduit	1201.71	3324.51	1474-4	50 pair #18, shielded pairs, IS/OS shield 600V, XLPE insul., PVC jacket
						Pull rope	Soft-Fiber Polyester
0603	E-11, E-20	103	RGS conduit	0.00	3324.51	Pull rope	Soft-Fiber Polyester
0610	E-11, E-21	103	RGS conduit	0.00	3324.51	Pull rope	Soft-Fiber Polyester
0611	E-11, E-21	103	RGS conduit	0.00	3324.51	Pull rope	Soft-Fiber Polyester
0612	E-11, E-21	103	RGS conduit	0.00	3324.51	Pull rope	Soft-Fiber Polyester
0613	E-11, E-21	103	RGS conduit	0.00	3324.51	Pull rope	Soft-Fiber Polyester
1 ~~1112~~							
1113	E-46	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1114	E-46	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1115	E-46	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1116	E-47	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1117	E-47	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1118	E-47	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1119	E-47, E-48	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1120	E-48	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1121	E-48	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1122	E-48	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1123	E-49	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1124	E-49	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester

CONDUIT DATA

Conduit No	Reference	Size	Type	Total Fill (mm²)	Allowable Fill (mm²)	Included Cable No.	Conductor Type
1125	E-49	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1126	E-49	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1127	E-50	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1128	E-50	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1129	E-50	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1130	E-50, E-51	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1131	E-50, E-51	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1347	E-46	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1348	E-46	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1349	E-46	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
1350	E-46	41	RGS conduit	212.85	534.55	A-3001-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
1351	E-46	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3001-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
1352	E-46	41	RGS conduit	212.85	534.55	A-3001-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
1353	E-46	41	RGS conduit	212.85	534.55	A-3001-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
1354	E-46	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3001-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
1355	E-46	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3001-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
1356	E-46	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3001-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
1357	E-46	41	RGS conduit	212.85	534.55	A-3001-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
1358	E-47	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3001-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
1359	E-47	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3002-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
1360	E-47	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3002-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation

For continuation, see next sheet.

CONDUIT AND TRAY SCHEDULE

E-402

REVISED BY | DATE REVISED
DATE 8/02 | 8/02
PBP | AB
CALCULATED/DESIGNED BY | CHECKED BY

DESIGN OVERSIGHT
BEHZAD GOLEMOHAMMADI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 00-00-00
DATE PLOTTED => 4/4/2008
TIME PLOTTED => 5:03:29 PM