DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	366 R1	1204

REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
1	03/18/10	WEST END BARRIER CONDUIT	RG	DO	44S1

REVISIONS

CONTRACT CHANGE ORDER NO._____
SHEET_____ OF _____

REGISTERED PROFESSIONAL ENGINEER DAVID H. OTO No. 10699 Exp. 06/30/2011 ELECTRICAL STATE OF CALIFORNIA 1

FOR REVISION ONLY

Caltrans Metric

REGISTERED ELECTRICAL ENGINEER 12/19/02 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
2052	E-114	41	RGS conduit	325.65	534.55	UP104-6a-3	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP104-6a-2	3 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP104-9-2	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
2053	E-119	41	RGS conduit	325.65	534.55	UP104-6b-2	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP104-9-1	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP104-6b-1	3 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
2054	E-119	41	RGS conduit	356.30	534.55	UP104-9	1-2/C + gnd #10, 600 V, EPR insulation
						UP104-6-1	3 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP104-6-2	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
2055	E-115	41	RGS conduit	325.65	534.55	UP105-10a-1	3 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP105-10a-3	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP105-9-2	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
2056	E-115	41	RGS conduit	266.38	534.55	UP105-10a-1	3 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP105-10a-2	3 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
2057	E-115	41	RGS conduit	325.65	534.55	UP105-10a-2	3 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP105-10a-3	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP105-9-2	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
2058	E-119	41	RGS conduit	325.65	534.55	UP105-10b-1	3 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP105-10b-2	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP105-9-1	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
2059	E-119	41	RGS conduit	456.88	534.55	UP105-10-1	3 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP105-10-2	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP105-9	1-2/C + gnd #8, 600 V, EPR insulation
2060	E-116	41	RGS conduit	325.65	534.55	UP106-9-2	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP106-6a-1	3 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP106-6a-3	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
2061	E-116	41	RGS conduit	266.38	534.55	UP106-6a-1	3 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP106-6a-2	3 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
2062	E-116	41	RGS conduit	325.65	534.55	UP106-6a-3	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP106-6a-2	3 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP106-9-2	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
2063	E-119	41	RGS conduit	325.65	534.55	UP106-6b-2	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP106-6b-1	3 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP106-9-1	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
2064	E-119	41	RGS conduit	456.88	534.55	UP106-9	1-2/C + gnd #8, 600 V, EPR insulation
						UP106-6-2	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP106-6-1	3 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
2065	E-119	41	RGS conduit	456.88	534.55	UP107-6-2	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP107-6-1	3 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP107-9	1-2/C + gnd #8, 600 V, EPR insulation
2066	E-119	41	RGS conduit	325.65	534.55	UP107-6b-2	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP107-6b-1	3 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP107-9-1	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
2067	E-117	41	RGS conduit	325.65	534.55	UP107-9-2	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP107-6a-3	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP107-6a-1	3 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
2068	E-117	41	RGS conduit	266.38	534.55	UP107-6a-2	3 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP107-6a-1	3 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
2069	E-117	41	RGS conduit	325.65	534.55	UP107-6a-3	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP107-6a-2	3 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP107-9-2	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
2070	E-119	41	RGS conduit	325.65	534.55	UP107-6c-2	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP107-6c-1	3 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP107-9-3	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
2071	E-119	41	RGS conduit	325.65	534.55	UP108-10a-2	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP108-10a-1	3 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP108-9-5	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
2072	E-119	41	RGS conduit	325.65	534.55	UP108-9-4	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP108-10b-2	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP108-10b-1	3 + 1 gnd #8,#10, 600 V, RHH/RHW insulation

CONDUIT DATA

Conduit No	Reference	Size	Type	Total Fill (mm²)	Allowable Fill (mm²)	Included Cable No.	Conductor Type
2073	E-119	41	RGS conduit	325.65	534.55	UP108-9-3	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP108-10-2	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP108-10-1	3 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
2074	E-118	41	RGS conduit	325.65	534.55	UP108-12a-3	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP108-12a-1	3 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP108-9-2	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
2075	E-118	41	RGS conduit	266.38	534.55	UP108-12a-2	3 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP108-12a-1	3 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
				325.65	534.55	UP108-9-2	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP108-12a-2	3 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
2076	E-118	41	RGS conduit			UP108-12a-3	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
				325.65	534.55	UP108-12b-2	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP108-12b-1	3 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
2077	E-119	41	RGS conduit			UP108-9-1	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
				456.88	534.55	UP108-12-2	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP108-12-1	3 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
2078	E-119	41	RGS conduit			UP108-9	1-2/C + gnd #8, 600 V, EPR insulation
				0.00	534.55	Pull rope	Soft-Fiber Polyester
2111	E-135, (E-160C) 1	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2112	E-135	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2113	E-135	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2114	E-136	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2115	E-136	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2116	E-136, E-137	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2117	E-136	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2118	E-137, E-138	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2123	E-138	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2125	E-138	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2127	E-139	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2130	E-140	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2211	E-135	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2212	E-135	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2213	E-135	41	RGS conduit				

For continuation, see next sheet.

CONDUIT AND TRAY SCHEDULE

E-411

REVISED BY	DATE REVISED
PBP	8/02

CALCULATED/ DESIGNED BY	CHECKED BY

DESIGN OVERSIGHT
BEHZAD GOLEMOHAMMADI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 00-00-00
DATE PLOTTED => 3/17/2010
TIME PLOTTED => 3:38:59 PM