DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	373 R8	1204

REGISTERED ELECTRICAL ENGINEER 12/19/02 DATE

12-6-04
PLANS APPROVAL DATE

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

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

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Caltrans Metric

REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
8	07/01/11	TOS MODIFICATIONS	RR	RG	81
7	03/24/11	BIKE PATH CONDUIT	TW	RG	73
6	01/07/11	ELECTRICAL WARNING SYSTEMS	TW	RG	61
5	06/11/10	BIKE PATH CONDUIT	TW	RG	73
4	03/26/10	DEHUMIDIFIER SCADA INTERFACE	RR	RG FW	130
3	03/30/09	SERVICE PLATFORM ELECTRICAL CHANGES	RY RR	RG MP	55
2	02/25/08	CABLE TRAY CHANGES	RR TW	RG	42S1
1	03/04/08	BARRIER MODIFICATIONS	JS BM	RG	44

REVISIONS

SHEET OF
CONTRACT CHANGE ORDER NO.

REVISIONS SUPERCEDED

REGISTERED PROFESSIONAL ENGINEER SYN YEE CHIN No. 18186 Exp. 09/30/2011 ELECTRICAL STATE OF CALIFORNIA
FOR REVISION ONLY 4 5 6 7 8

REGISTERED PROFESSIONAL ENGINEER FADI WALIEDDINE No. 11465 Exp. 12/31/2009 ELECTRICAL STATE OF CALIFORNIA 3
FOR REVISION ONLY

REGISTERED PROFESSIONAL ENGINEER S. A. ESTOQUE, JR No. E-10151 Exp. 12/31/2009 ELECTRICAL STATE OF CALIFORNIA 1 2
FOR REVISION ONLY

CONDUIT DATA

Conduit No	Reference	Size	Type	Total Fill (mm²)	Allowable Fill (mm²)	Included Cable No.	Conductor Type
2959	E-139	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2960	E-139	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						LP223-2A,4A	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
2961	E-139	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2962	E-138	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2963	E-138	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2964	E-138	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2965	E-138	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2966	E-138	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2967	E-138	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
2T13	E-181 Thru E-186	305	152.4 mm siderail ladder tray	2780.99	8387.08	Pull rope	Soft-Fiber Polyester
	E-212A					2391	3-1/C #4/0 + 1/C #1/0 gnd, 15kV, EPR insulation
2T14	E-212, E-21B	305	152.4 mm siderail ladder tray	2780.99	8387.08	Pull rope	Soft-Fiber Polyester
						2391	3-1/C #4/0 + 1/C #1/0 gnd, 15kV, EPR insulation
2T14A	E-21, E-21E	305	152.4 mm siderail ladder tray	0.00	8387.08		
2T14B	E-21, E-21E	305	152.4 mm siderail ladder tray	0.00	8387.08		
2T21	E182,E207C,E264	610	152.4 mm siderail ladder tray	2120.21	16774.16	2121	1-3/C + gnd #1/0,600 V, EPR insulation
						2120	1-3/C + gnd #1/0,600 V, EPR insulation
						1201-1	1-2/C + gnd #10, 600 V, EPR insulation
						1201-2	1-2/C + gnd #10, 600 V, EPR insulation
						1201-6	1-2/C + gnd #10, 600 V, EPR insulation
						1201-4A	1-2/C #14, 600 V, EPR insulation
						1201-4B	1-2/C #14, 600 V, EPR insulation
						1201-4C	1-2/C #14, 600 V, EPR insulation
2T23	E-114B	760	152.4 mm siderail ladder tray	21921.01 (8)	22580.60	2202-2	1-3/C #14,600 V, EPR insulation
						A-3004-1	1-3/C + gnd #2,600 V, EPR insulation
						A-3003-1	1-3/C + gnd #4,600 V, EPR insulation
						A-2013-1	1-3/C + gnd #2,600 V, EPR insulation
						A-2012-1	1-3/C + gnd #2,600 V, EPR insulation
						2123	1-3/C + gnd #2,600 V, EPR insulation
						2202-3	1-7/C #16,600 V, EPR insulation
						2105	1-3/C + gnd #2,600 V, EPR insulation
						2106	1-3/C + gnd #2,600 V, EPR insulation
						2202-4	1-3/C #14,600 V, EPR insulation
						2104	1-3/C + gnd #2,600 V, EPR insulation
						2121	1-3/C + gnd #1/0,600 V, EPR insulation
						2204-1	1-3/C #14, 600 V, EPR insulation
						UP204-7	1-2/C + gnd #8,600 V, EPR insulation
						~~2119-A~~	~~1-3/C + gnd 250 Kcmil,600 V, EPR insulation~~
						(8)	
						2201-2	1-2/C + gnd #10,600 V, EPR insulation
						2123-2	1-3/C + gnd #2/0,600 V, EPR insulation
						2123-3	1-3/C + gnd #2/0,600 V, EPR insulation
						1118	1-3/C + gnd #2/0,600 V, EPR insulation
						2095	1-3/C + gnd #2,600 V, EPR insulation
						2096	1-3/C + gnd #2,600 V, EPR insulation
						2097	1-3/C + gnd #2,600 V, EPR insulation
						2098	1-3/C + gnd #2,600 V, EPR insulation
						2099	1-3/C + gnd #2,600 V, EPR insulation
						S-3053-1	1-3/C + gnd #2,600 V, EPR insulation
						2107	1-3/C + gnd #2,600 V, EPR insulation
						2120	1-3/C + gnd #1/0,600 V, EPR insulation
						2201-6	1-2/C + gnd #10,600 V, EPR insulation
						1201-1	1-2/C + gnd #10,600 V, EPR insulation
						2202-1	1-2/C + gnd #10,600 V, EPR insulation
						1201-2	1-2/C + gnd #10,600 V, EPR insulation
						1201-6	1-2/C + gnd #10,600 V, EPR insulation
						2204-2	1-3/C #16,600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
						A-3041-1	1-3/C + gnd #2,600 V, EPR insulation
						S-3052-1	1-3/C + gnd #2,600 V, EPR insulation
						2125	1-3/C + gnd 250 Kcmil,600 V, EPR insulation
						2103	1-3/C + gnd #2,600 V, EPR insulation
						~~S-3056-9~~	~~1-4/C #14,600 V, EPR insulation~~
						(8)	
						S-3056-6	1-4/C #14,600 V, EPR insulation
						2202-3A	1-2/C #14, 600 V, EPR insulation
						2201-4B	1-2/C #14, 600 V, EPR insulation
						2201-4C	1-2/C #14, 600 V, EPR insulation
						1201-4A	1-2/C #14, 600 V, EPR insulation
						1201-4B	1-2/C #14, 600 V, EPR insulation
						1201-4C	1-2/C #14, 600 V, EPR insulation

CONDUIT DATA

Conduit No	Reference	Size	Type	Total Fill (mm²)	Allowable Fill (mm²)	Included Cable No.	Conductor Type
						LP219-2,4	1-3/C + gnd #6,600 V, EPR insulation
						LP219-6,8	1-3/C + gnd #6,600 V, EPR insulation
						LP220-2,4	1-3/C + gnd #6,600 V, EPR insulation
						LP220-6,8	1-3/C + gnd #6,600 V, EPR insulation
						LP221-2,4	1-3/C + gnd #6,600 V, EPR insulation
						LP221-6,8	1-3/C + gnd #6,600 V, EPR insulation
						LP222-2,4	1-3/C + gnd #6,600 V, EPR insulation
						LP222-6,8	1-3/C + gnd #6,600 V, EPR insulation
						LP223-2,4	1-3/C + gnd #6,600 V, EPR insulation
						LP223-6,8	1-3/C + gnd #6,600 V, EPR insulation

For continuation, see next sheet.

CONDUIT AND TRAY SCHEDULE

E-418

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT
BEHZAD GOLEMOHAMMADI

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

LAST REVISION 00-00-00
DATE PLOTTED => 05-JUL-2011
TIME PLOTTED => 14:57