

CONDUIT AND WIRE SCHEDULE							
CONDUIT		FROM	TO	CONDUCTORS			
NO.	SIZE			ACTIVE	GROUND	SPARES	SERVICE
P59A		POWER SUBMARINE TERMINAL CABINET NO. 1NE	POWER SUBMARINE TERMINAL CABINET NO. 1NW	3 #6	CABLE 'C'	-	CL-NW-S
P59B	1"	POWER SUBMARINE TERMINAL CABINET NO. 1NW	CL-NW-S, 5 HP VIA PBOXES 3NW AND 4NW	3 #6	1 #6	-	CL-NW-S
P60	3"	MCC-EB-1 (EASTBOUND)	POWER SUBMARINE TERMINAL CABINET NO. 1SE	3-350 KCMIL	1 #1/0	-	M-SW-N DRIVE MOTOR
P60A		POWER SUBMARINE TERMINAL CABINET NO. 1SE	POWER SUBMARINE TERMINAL CABINET NO. 1SW	3-350 KCMIL	CABLE 'F' 1 #1/0	-	M-SW-N DRIVE MOTOR
P60B	3"	POWER SUBMARINE TERMINAL CABINET NO. 1SW	DV-SW-N DRIVE 1	3-350 KCMIL	1 #1/0	-	M-SW-N DRIVE MOTOR
P61	3"	DV-SW-N DRIVE 1	M-SW-N DRIVE MOTOR, 75 HP VIA PBOXES 3NW AND 4NW	3-350 KCMIL	1 #1/0	-	M-SW-N DRIVE MOTOR
P61A						-	NOT USED
P62	1"	MCC-EB-1 (EASTBOUND)	POWER SUBMARINE TERMINAL CABINET NO. 1SE	3 #8	1 #8	-	MOB-SW-N
P62A		POWER SUBMARINE TERMINAL CABINET NO. 1SE	POWER SUBMARINE TERMINAL CABINET NO. 1SW	3 #8	CABLE 'G' 1 #8	-	MOB-SW-N
P62B	1"	POWER SUBMARINE TERMINAL CABINET NO. 1SW	MOB-SW-N, 1 HP VIA PBOXES 3NW AND 4NW	3 #8	1 #8	-	MOB-SW-N
P63						-	NOT USED
P64	1"	MCC-EB-1 (EASTBOUND)	POWER SUBMARINE TERMINAL CABINET NO. 1SE	3 #8	1 #8	-	MB-SW-N
P64A		POWER SUBMARINE TERMINAL CABINET NO. 1SE	POWER SUBMARINE TERMINAL CABINET NO. 1SW	3 #8	CABLE 'G'	-	MB-SW-N
P64B	1"	POWER SUBMARINE TERMINAL CABINET NO. 1SW	MB-SW-N, 1 HP VIA PBOXES 3NW AND 4NW	3 #8	1 #8	-	MB-SW-N
P65	3"	MCC-EB-1 (EASTBOUND)	POWER SUBMARINE TERMINAL CABINET NO. 1SE	3-350 KCMIL	1 #1/0	-	M-SW-S DRIVE MOTOR
P65A		POWER SUBMARINE TERMINAL CABINET NO. 1SE	POWER SUBMARINE TERMINAL CABINET NO. 1SW	3-350 KCMIL	CABLE 'F'	-	M-SW-S DRIVE MOTOR
P65B	3"	POWER SUBMARINE TERMINAL CABINET NO. 1SW	DV-SW-S DRIVE 2	3-350 KCMIL	1 #1/0	-	M-SW-S DRIVE MOTOR
P66	3"	DV-SW-S DRIVE 2	M-SW-S DRIVE MOTOR, 75 HP VIA PBOXES 3NW AND 4NW	3-350 KCMIL	1 #1/0	-	M-SW-S DRIVE MOTOR
P66A						-	NOT USED
P67	1"	MCC-EB-1 (EASTBOUND)	POWER SUBMARINE TERMINAL CABINET NO. 1SE	3 #8	1 #8	-	MOB-SW-S
P67A		POWER SUBMARINE TERMINAL CABINET NO. 1SE	POWER SUBMARINE TERMINAL CABINET NO. 1SW	3 #8	CABLE 'G'	-	MOB-SW-S
P67B	1"	POWER SUBMARINE TERMINAL CABINET NO. 1SW	MOB-SW-S, 1 HP VIA PBOX NO. 2SW	3 #8	1 #8	-	MOB-SW-S
P68						-	NOT USED
P69	1"	MCC-EB-1 (EASTBOUND)	POWER SUBMARINE TERMINAL CABINET NO. 1SE	3 #8	1 #8	-	MB-SW-S
P69A		POWER SUBMARINE TERMINAL CABINET NO. 1SE	POWER SUBMARINE TERMINAL CABINET NO. 1SW	3 #8	CABLE 'G'	-	MB-SW-S
P69B	1"	POWER SUBMARINE TERMINAL CABINET NO. 1SW	MB-SW-S, 1 HP VIA PBOX NO. 2SW	3 #8	1 #8	-	MB-SW-S
P70	1"	MCC-EB-1 (EASTBOUND)	POWER SUBMARINE TERMINAL CABINET NO. 1SE	3 #8	1 #8	-	SUMP PUMP MOTOR (SW)
P70A		POWER SUBMARINE TERMINAL CABINET NO. 1SE	POWER SUBMARINE TERMINAL CABINET NO. 1SW	3 #8	CABLE 'G'	-	SUMP PUMP MOTOR (SW)
P70B		POWER SUBMARINE TERMINAL CABINET NO. 1SW	SUMP PUMP CONTROL PANEL(SW) VIA PBOX NOS. 2SW AND 4NW	3 #8	1 #8	-	SUMP PUMP MOTOR (SW)
P70C	1 1/2"	SUMP PUMP CONTROL PANEL	SUMP PUMP MOTOR (SW), 1.5 HP	FURNISHED BY CONTROL PANEL MANUFACTURER		-	SUMP PUMP MOTOR (SW)
P71	1"	MCC-EB-1 (EASTBOUND)	POWER SUBMARINE TERMINAL CABINET NO. 1SE	3 #8	1 #8	-	TG-SW-N
P71A		POWER SUBMARINE TERMINAL CABINET NO. 1SE	POWER SUBMARINE TERMINAL CABINET NO. 1SW	3 #8	CABLE 'G'	-	TG-SW-N
P71B	1"	POWER SUBMARINE TERMINAL CABINET NO. 1SW	TG-SW-N, 1/2 HP VIA PBOX NOS. 2SW AND 4NW	3 #8	1 #8	-	TG-SW-N
P72	1"	MCC-EB-1 (EASTBOUND)	POWER SUBMARINE TERMINAL CABINET NO. 1SE	3 #8	1 #8	-	TG-SW-S
P72A		POWER SUBMARINE TERMINAL CABINET NO. 1SE	POWER SUBMARINE TERMINAL CABINET NO. 1SW	3 #8	CABLE 'G'	-	TG-SW-S
P72B	1"	POWER SUBMARINE TERMINAL CABINET NO. 1SW	TG-SW-S, 1/2 HP VIA PBOX NO. 2SW	3 #8	1 #8	-	TG-SW-S
P73	1"	MCC-EB-1 (EASTBOUND)	POWER SUBMARINE TERMINAL CABINET NO. 1SE	3 #6	1 #8	-	BG-SW-N/BG-SW-S
P73A		POWER SUBMARINE TERMINAL CABINET NO. 1SE	POWER SUBMARINE TERMINAL CABINET NO. 1SW	3 #6	CABLE 'H'	-	BG-SW-N/BG-SW-S
P73B	1"	POWER SUBMARINE TERMINAL CABINET NO. 1SW	VFDS FOR BG-SW-N AND BG-SW-S	3 #6	1 #6	-	BG-SW-N/BG-SW-S
P73C	3/4"	VFD	BG-SW-N, 3 HP VIA PBOX NO. 4NW AND 2SW	5 #10	1 #10	-	BG-SW-N MOTOR AND BRAKE
P74	3/4"	VFD	BG-SW-S, 3 HP VIA PBOX 2SW	5 #10	1 #10	-	BG-SW-S MOTOR AND BRAKE
P74A						-	NOT USED
P75	1"	MCC-EB-1 (EASTBOUND)	POWER SUBMARINE TERMINAL CABINET NO. 1SE	3 #6	1 #6	-	CL-SW-N
P75A		POWER SUBMARINE TERMINAL CABINET NO. 1SE	POWER SUBMARINE TERMINAL CABINET NO. 1SW	3 #6	CABLE 'H'	-	CL-SW-N
P75B	1"	POWER SUBMARINE TERMINAL CABINET NO. 1SW	CL-SW-N, 5HP VIA PBOX NOS. 2SW AND 4NW	3 #6	1 #6	-	CL-SW-N
P76	1"	MCC-EB-1 (EASTBOUND)	POWER SUBMARINE TERMINAL CABINET NO. 1SE	3 #6	1 #6	-	CL-SW-S

CONDUIT AND WIRE SCHEDULE							
CONDUIT		FROM	TO	CONDUCTORS			
NO.	SIZE			ACTIVE	GROUND	SPARES	SERVICE
P76A		POWER SUBMARINE TERMINAL CABINET NO. 1SE	POWER SUBMARINE TERMINAL CABINET NO. 1SW	3 #6	CABLE 'H'	-	CL-SW-S
P76B	1"	POWER SUBMARINE TERMINAL CABINET NO. 1SW	CL-SW-S, 5HP VIA PBOX NOS. 2SW AND 4NW	3 #6	1 #6	-	CL-SW-S
P77		POWER SUBMARINE TERMINAL CABINET NO. 1NE	POWER SUBMARINE TERMINAL CABINET NO. 1NW	3 #6	CABLE 'C'	-	SPARE
P78		POWER SUBMARINE TERMINAL CABINET NO. 1SE	POWER SUBMARINE TERMINAL CABINET NO. 1NW	3 #6	CABLE 'C'	-	SPARE
P79		POWER SUBMARINE TERMINAL CABINET NO. 1NE	POWER SUBMARINE TERMINAL CABINET NO. 1NW	3 #6	CABLE 'C'	-	SPARE
P80		POWER SUBMARINE TERMINAL CABINET NO. 1NE	POWER SUBMARINE TERMINAL CABINET NO. 1NW	3 #4/0	CABLE 'D' 1 #2/0	-	SPARE
P81		POWER SUBMARINE TERMINAL CABINET NO. 1SE	POWER SUBMARINE TERMINAL CABINET NO. 1SW	3 #6	CABLE 'H'	-	SPARE
P82		POWER SUBMARINE TERMINAL CABINET NO. 1SE	POWER SUBMARINE TERMINAL CABINET NO. 1SW	3 #6	CABLE 'H'	-	SPARE
P83		POWER SUBMARINE TERMINAL CABINET NO. 1SE	POWER SUBMARINE TERMINAL CABINET NO. 1NW	3 #6	CABLE 'H'	-	SPARE
P84		POWER SUBMARINE TERMINAL CABINET NO. 1SE	POWER SUBMARINE TERMINAL CABINET NO. 1SW	3 #4/0	CABLE 'H' 1 #2/0	-	SPARE
P85	1 1/4"	PANEL DP-E2, CKTS 1,2,3,4	P BOX NO. 1SE	6#8	1 #10	-	ECC-1 AND BPLCTTV
P86	1"	P BOX NO. 1SE	BPLCTTV, CKTS 2,4	3#8	1 #10	-	BPLCTTV
P87	1"	P BOX NO. 1SE	ECC-1, CKTS 1,3	4 #6	1 #10	-	ECC-1 UTILITY AND CONTROL POWER
P88	2"	PANEL DP-E2, CKTS 5,7,9,11,13,15	J BOX	2# (CKT 11), 2 #4 (CKT 15), 6# (CKTS 5,7,9,13)	1 #8	-	DROP 5EB IO/PLC RELAY CABINET, EB GATE LIGHTS DRIVE MOTOR HEATERS, CHANNEL FLOODLIGHT, PIER/NAV. LIGHTS
P89	3/4"	J BOX J	CONDUIT BODY (3/4") CKT. 13	4 #10	1 #12	-	DRIVE 4 MOTOR HEATER & DRIVE 3 MOTOR HEATER
P90	3/4"	CONDUIT BODY (3/4")	DV-SE-N DRIVE 3 CKT. 11	2 #10	1 #12	-	DRIVE 3 MOTOR HEATER
P91	3/4"	CONDUIT BODY (3/4")	DV-SE-S DRIVE 4 CKT. 11	2 #10	1 #12	-	DRIVE 4 MOTOR HEATER
P92	3/4"	DV-SE-S DRIVE 4	M-SE-S DRIVE MOTOR HEATER	2 #10	1 #12	-	DRIVE 4 MOTOR HEATER
P93	1 1/2"	J BOX J (CKTS 5, 7, 9, 13, 15)	SE DROP 5EB IO/PLC & RELAY CABINET	2#4, 6#6	1 #8	-	SE DROP 5EB UTILITY AND CONTROL, EB GATE LIGHTS CHAN. FLOODLIGHT & PIER/NAV. LIGHTS
P94	3/4"	J BOX J10	M-SE-N DRIVE MOTOR HEATER	2 #10	1 #12	-	DRIVE 3 MOTOR HEATER
P95	2"	PANEL DP-W2 CKTS. 1,3,5,7,9,11,13	J BOX JA	2 #8, 4 #6, 4 #6	1 #8	-	DROP 8 SW UTILITY POWER, SW-N/S DRIVE MOTOR HEATERS CONTROL POWER & IO POWER, BG-SWSOC(GFI RECEPTACLE ENCLOSURE HEATER, MOTOR & BRAKE HEATERS)
P96	3/4"	J BOX JA	DV-SW-S, DRIVE 2	2 #8	1 #10	-	CIRCUIT 7 FOR SW-S DRIVE MOTOR HEATER
P97	1 1/2"	J BOX JA	J BOX JB	2 #8, 4 #6, 4 #6	1 #8	-	DROP 8 SW UTILITY POWER, SW-N/S DRIVE MOTOR HEATERS CONTROL POWER & IO POWER, BG-SWSOC(GFI RECEPTACLE ENCLOSURE HEATER, MOTOR & BRAKE HEATERS)
P98	3/4"	J BOX JB	DV-SW-N, DRIVE 1	2 #8	1 #10	-	CIRCUIT 7 FOR SW-N DRIVE MOTOR HEATER
P99	1 1/2"	J BOX JB	J BOX JC	8 #6	1 #8	-	DROP 8SW UTILITY PWR, CONTROL PWR & IO PWR, BG-SWSOC (GFI REC. ENCLOSURE HEATER, MOTOR & BRAKE HEATERS)
P100	1 1/4"	J BOX JC	J BOX JD	4 #6	1 #8	-	BG-SWSOC(GFI REC. ENCLOSURE, HEATER, MOTOR & BRAKE HEATERS)
P101	1 1/4"	J BOX JC	DROP 8 SW IO CABINET	4#6	1 #8	-	DROP 8 SW UTILITY POWER CONTROL & I/O POWER
P102	3/4"	DV-SW-S, DRIVE 2	CONDUIT BODY (3/4")	2 #10	1 #10	-	SW-S DRIVE MOTOR 2 HEATER
P102A	3/4"	DV-SW-N, DRIVE 1	CONDUIT BODY (3/4")	2 #10	1 #10	-	SW-N DRIVE MOTOR 1 HEATER
P102B	3/4"	CONDUIT BODY (3/4")	J BOX JD	2 #10	1 #10	-	SEE P102A, P104
P102C	3/4"	J BOX JD	J BOX JD1	2 #10	1 #10	-	SEE P102A
P102D	1"	PANEL DP-W2, CKTS 15,17,19	J BOX JD1	4 #8	1 #10	-	BG-SWNOC(GFCI REC., ENCLOSURE HTR, MOTOR & BRAKE HTR)
P102E	3/4"	J BOX JD1	SW-N DRIVE MOTOR 1 HEATER	2 #10	1 #12	-	SW-N DRIVE MOTOR 1 HEATER
P102F	1"	J BOX JD1	BG-SWNOC(GFCI REC., ENCLOSURE HTR, MOTOR & BRAKE HTR)	4 #8	1 #10	-	SEE P102D
P103	1 1/4"	J BOX JD	J BOX JE	2 #10, 4 #8	1 #10	-	SAME AS P100 AND P102
P104	3/4"	J BOX JE	SW-S DRIVE 2 MOTOR HEATER	2 #10	1 #12	-	SW-S DRIVE MOTOR 2 HEATER
P105	1"	J BOX JE	BG-SWSOC, SOUTH TOWER	4 #8	1 #10	-	SAME AS P100
P106	1 1/4"	PANEL DP-W3, CKTS 7,9,11,13,15,17,19	J BOX JF1	6#8, 4#6	1 #8	-	BG-NENOC/BG-SESOC (GFCI REC ENCLOSURE, MOTOR AND BRAKES) HEATERS, NE-N DRIVE 3 MOTOR AND NE-S DRIVE 4 MOTOR HEATERS
P107	3/4"	J BOX JF1	DV-NE-S DRIVE 4	2 #8	1 #10	-	NE-S DRIVE 4 MOTOR HEATER, CKT 7
P108	3/4"	J BOX JF1	DV-NE-N DRIVE 3	2 #8	1 #10	-	NE-N DRIVE 3 MOTOR HEATER, CKT 7
P109	3/4"	DV-NE-S DRIVE 4	CONDUIT BODY (1")	2 #8	1 #10	-	NE-S DRIVE 4 MOTOR HEATER, CKT 7
P110	3/4"	DV-NE-N DRIVE 3	CONDUIT BODY (1")	2 #8	1 #10	-	NE-N DRIVE 3 MOTOR HEATER, CKT 7
P110A	1"	CONDUIT BODY (1")	J BOX JG1	4 #8	1 #10	-	NE-N DRIVE 3 AND NE-S DRIVE 4 MOTOR HEATERS
P111	1 1/4"	J BOX JF1	J BOX JG1	4#8, 4#6	1 #8	-	BG-NENOC AND BG-NESOC, SEE P106
P112	1 1/2"	J BOX JG1	J BOX JI2	10 #8	1 #8	-	SEE P106
P113	3/4"	J BOX JI2	NE-S DRIVE 4 MOTOR HEATER	2 #10	1 #12	-	SEE P109

PB Americas, Inc.
 230 WEST MONROE STREET,
 SUITE 900
 CHICAGO, IL. 60606

USER NAME = cha-ma	DESIGNED = A. CENTENO	REVISED =
FILE NAME = D:\0601-sht-elo-69.dgn	DRAWN = S. SHARMA	REVISED =
PLOT SCALE = NONE	CHECKED = M. INTATANO	REVISED =
PLOT DATE = 5/7/2009	DATE = MAY 8, 2009	REVISED =

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CONDUIT AND WIRE SCHEDULE
 SHEET 2**

SCALE: AS SHOWN SHEET NO. E-69 OF E-125 SHEETS STA. 379+06.09 TO STA. 382+45.28

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	340
CONTRACT NO. 60D61			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	