

CONDUIT AND WIRE SCHEDULE

CONDUIT		FROM	TO	CONDUCTORS			
NO.	SIZE			ACTIVE	GROUND	SPARES	SERVICE
P01	4"	OUTDOOR 12KV SWITCHGEAR	TRANSFORMER, 1000KVA (PRIMARY) 12KV-480/277V, 3PHASE	BY COMED	BY COMED	-	TRANSFORMER, 1000KVA
P02	4"	OUTDOOR 12KV SWITCHGEAR	TRANSFORMER, 1000KVA (PRIMARY) 12KV-480/277V, 3PHASE	-	-	SPARE	
P03	6-3"	TRANSFORMER, 1000KVA (SEC.) 12KV-480/277V, 3PHASE	PULL BOX	6 SETS OF 4-350 Kcmil	6 SETS OF 1 #4/0	-	MAIN SWITCHBOARD, 1600A, 480V, 3P, 4W
P04	6-3"	EMERGENCY GENERATOR, 800KW/1000KVA, 480/277V, 3PHASE	PULL BOX	6 SETS OF 4-350 Kcmil	6 SETS OF 1 #4/0	-	MAIN SWITCHBOARD, 1600A, 480V, 3P, 4W
P05	6-3"	PULL BOX	AUTO TRANSFER SWITCH, 1600A, EMERGENCY SIDE	6 SETS OF 4-350 Kcmil	6 SETS OF 1 #4/0	-	MAIN SWITCHBOARD, 1600A, 480V, 3P, 4W
P06	6-3"	PULL BOX	SERVICE ENTRANCE DISCONNECT, 1600A, 480/277V, 3PHASE, 4WIRE	6 SETS OF 4-350 Kcmil	6 SETS OF 1 #4/0	-	MAIN SWITCHBOARD, 1600A, 480V, 3P, 4W
P07	6-3"	AUTO TRANSFER SWITCH, 1600A, NORMAL SIDE	SERVICE ENTRANCE DISCONNECT, 1600A, 480/277V, 3PHASE, 4WIRE	6 SETS OF 4-350 Kcmil	6 SETS OF 1 #4/0	-	MAIN SWITCHBOARD, 1600A, 480V, 3P, 4W
P08	6-3"	AUTO TRANSFER SWITCH, 1600A, LOAD SIDE	INCOMING BREAKER, 1600A MAIN SWITCHBOARD, 480V, 3P, 4W	6 SETS OF 4-350 Kcmil	6 SETS OF 1 #4/0	-	MAIN SWITCHBOARD, 1600A, 480V, 3P, 4W
P09	3-3"	MAIN SWITCHBOARD, 1600A, 480V, 3P, 4W	INCOMING BREAKER, 800A MCC-EB-1, 480V, 3P, 4W	3 SETS OF 4-350 Kcmil	3 SETS OF 1 #2/0	-	MCC-EB-1 (EASTBOUND)
P10	2 1/2"	MAIN SWITCHBOARD, 1600A, 480V, 3P, 4W	INCOMING BREAKER, 200A DB-E1, 480V, 3P, 4W	4 #4/0	1 #2	-	MCC-E1 (EAST SIDE)
P11	3-3"	MAIN SWITCHBOARD, 1600A, 480V, 3P, 4W	INCOMING BREAKER, 800A MCC-WB-1, 480V, 3P, 4W	3 SETS OF 4-350 Kcmil	3 SETS OF 1 #2/0	-	MCC-WB-1 (WESTBOUND)
P12	2 1/2"	MAIN SWITCHBOARD, 1600A, 480V, 3P, 4W	INCOMING BREAKER, 200A DB-W1, 480V, 3P, 4W	4 #4/0	1 #2	-	MCC-W1 (EAST SIDE)
P13	2"	MCC-WB-1 (WESTBOUND)	DV-NE-N DRIVE 3	3 #2/0	1 #4	-	M-NE-N DRIVE MOTOR
P14	2"	DV-NE-N DRIVE 3	M-NE-N DRIVE MOTOR, 75 HP	3 #2/0	1 #4	-	M-NE-N DRIVE MOTOR
P15	3/4"	MCC-WB-1 (WESTBOUND)	MOB-NE-N, 1 HP	3 #10	1 #12	-	MOB-NE-N
P16	3/4"	MCC-WB-1 (WESTBOUND)	XFR-W3, 15 KVA, PRIMARY 480V, 3 PHASE	3 #10	1 #10	-	XFR-W3, 15KVA
P17	1 1/4"	XFR-W3, 15 KVA, SECONDARY 208/120V, 3PHASE, 4WIRE	DISTRIBUTION PANEL DP-W3	4 #6	1 #8	-	DP-W3
P18	3/4"	MCC-WB-1 (WESTBOUND)	MB-NE-N, 1 HP	3 #10	1 #12	-	MB-NE-N
P19	2"	MCC-WB-1 (WESTBOUND)	DV-NE-S DRIVE 4	3 #2/0	1 #4	-	M-NE-S DRIVE MOTOR
P20	2"	DV-NE-S DRIVE 4	M-NE-S DRIVE MOTOR, 75 HP	3 #2/0	1 #4	-	M-NE-S DRIVE MOTOR
P21	3/4"	MCC-WB-1 (WESTBOUND)	MOB-NE-S, 1 HP	3 #10	1 #12	-	MOB-NE-S
P22	3/4"	MCC-WB-1 (WESTBOUND)	MB-NE-S, 1 HP	3 #10	1 #12	-	MB-NE-S
P23	2"	MCC-EB-1 (EASTBOUND)	DV-SE-N DRIVE 3	3 #2/0	1 #4	-	M-SE-N DRIVE MOTOR
P24	2"	DV-SE-N DRIVE 3	M-SE-N DRIVE MOTOR, 75 HP	3 #2/0	1 #4	-	M-SE-N DRIVE MOTOR
P25	3/4"	MCC-WB-1 (EASTBOUND)	MOB-SE-N, 1 HP	3 #10	1 #12	-	MOB-SE-N
P26						-	NOT USED
P27	3/4"	MCC-EB-1 (EASTBOUND)	MB-SE-N, 1 HP	3 #10	1 #12	-	MB-SE-N
P28	2"	MCC-EB-1 (EASTBOUND)	DV-SE-S DRIVE 4	3 #2/0	1 #4	-	M-SE-S DRIVE MOTOR
P29	2"	DV-SE-S DRIVE 4	M-SE-S DRIVE MOTOR, 75 HP	3 #2/0	1 #4	-	M-SE-S DRIVE MOTOR
P30	3/4"	MCC-EB-1 (EASTBOUND)	MOB-SE-S, 1 HP	3 #10	1 #12	-	MOB-SE-S
P31	1"	MCC-WB-1 (WESTBOUND)	VFDS FOR BG-NE-N AND BG-NE-S AND	3 #8	1 #10	-	BG-NE-N/BG-NE-S
P32	3/4"	MCC-EB-1 (EASTBOUND)	MB-SE-S, 1 HP	3 #10	1 #12	-	MB-SE-S
P33	3/4"	MCC-EB-1 (EASTBOUND)	TG-SE-N, 1/2 HP	3 #10	1 #12	-	TG-SE-N
P34	3/4"	MCC-EB-1 (EASTBOUND)	TG-SE-S, 1/2 HP	3 #10	1 #12	-	TG-SE-S
P35	3/4"	VFD	BG-NE-N, 3 HP	5 #10	1 #12	-	BG-NE-N MOTOR AND BRAKE
P36	3/4"	MCC-WB-1 (WESTBOUND)	TG-NE-N, 1/2 HP	3 #10	1 #12	-	TG-NE-N
P37	3/4"	VFD	BG-NE-S, 3 HP	5 #10	1 #12	-	BG-NE-S MOTOR AND BRAKE
P38	3/4"	MCC-WB-1 (WESTBOUND)	TG-NE-S, 1/2 HP	3 #10	1 #12	-	TG-NE-S
P39	3/4"	MCC-WB-1 (WESTBOUND)	SUMP PUMP CONTROL PANEL	3 #10	1 #12	-	SUMP PUMP MOTOR (NE)
P39A	1 1/2"	SUMP PUMP CONTROL PANEL	SUMP PUMP MOTOR (NE), 1.5 HP	FURNISHED BY CONTROL PANEL MANUFACTURER		-	SUMP PUMP MOTOR (NE)
P40	3/4"	MCC-EB-1 (EASTBOUND)	SUMP PUMP CONTROL PANEL	3 #10	1 #12	-	SUMP PUMP MOTOR (SE)
P40A	1 1/2"	SUMP PUMP CONTROL PANEL	SUMP PUMP MOTOR (SE), 1.5 HP	FURNISHED BY CONTROL PANEL MANUFACTURER		-	SUMP PUMP MOTOR (SE)
P41	1 1/4"	DB-E1 (EAST SIDE)	XFR-E1, 45 KVA, PRIMARY 480V, 3 PHASE	3 #4	1 #8	-	XFR-E1, 45KVA
P41A	2"	XFR-E1, 45 KVA, SECONDARY 208/120V, 3PHASE, 4WIRE	LIGHTING PANEL LP-E1	4 #1/0	1 #6	-	LP-E1
P42	3/4"	MCC-EB-1 (EASTBOUND)	XFR-E2, 15 KVA, PRIMARY 480V, 3 PHASE	3 #10	1 #10	-	XFR-E2, 15KVA
P42A	1 1/4"	XFR-E2, 15 KVA, SECONDARY 208/120V, 3PHASE, 4WIRE	DISTRIBUTION PANEL DP-E2	4 #6	1 #8	-	DP-E2

* CONDUIT AND WIRES TO BE INSTALLED BY THE CONTRACTOR, WIRES TO BE FURNISHED BY COMED.

CONDUIT AND WIRE SCHEDULE

CONDUIT		FROM	TO	CONDUCTORS			
NO.	SIZE			ACTIVE	GROUND	SPARES	SERVICE
P43	2 1/2"	MCC-WB-1 (WESTBOUND)	POWER SUBMARINE TERMINAL CABINET NO. 1NE	3-250 KCMIL	1 #1	-	M-NW-N DRIVE MOTOR
P43A		POWER SUBMARINE TERMINAL CABINET NO. 1NE	POWER SUBMARINE TERMINAL CABINET NO. 1NW	3-250 KCMIL	CABLE 'B' 1 #1	-	M-NW-N DRIVE MOTOR
P43B	2 1/2"	POWER SUBMARINE TERMINAL CABINET NO. 1NW	DV-NW-N DRIVE 1	3-250 KCMIL	1 #1	-	M-NW-N DRIVE MOTOR
P44	2 1/2"	DV-NW-N DRIVE 1	M-NW-N DRIVE MOTOR, 75 HP	3-250 KCMIL	1 #1	-	M-NW-N DRIVE MOTOR
P45	1"	MCC-WB-1 (WESTBOUND)	POWER SUBMARINE TERMINAL CABINET NO. 1NE	3 #8	1 #8	-	MOB-NW-N
P45A		POWER SUBMARINE TERMINAL CABINET NO. 1NE	POWER SUBMARINE TERMINAL CABINET NO. 1NW	3 #8	CABLE 'A' 1 #8	-	MOB-NW-N
P45B	1"	POWER SUBMARINE TERMINAL CABINET NO. 1NW	MOB-NW-N, 1 HP	3 #8	1 #8	-	MOB-NW-N
P46						-	NOT USED
P47	1"	MCC-WB-1 (WESTBOUND)	POWER SUBMARINE TERMINAL CABINET NO. 1NE	3 #8	1 #8	-	MB-NW-N
P47A		POWER SUBMARINE TERMINAL CABINET NO. 1NE	POWER SUBMARINE TERMINAL CABINET NO. 1NW	3 #8	CABLE 'A'	-	MB-NW-N
P47B	1"	POWER SUBMARINE TERMINAL CABINET NO. 1NW	MB-NW-N, 1 HP	3 #8	1 #8	-	MB-NW-N
P48	2 1/2"	MCC-WB-1 (WESTBOUND)	POWER SUBMARINE TERMINAL CABINET NO. 1NE	3-250 KCMIL	1 #1	-	M-NW-S DRIVE MOTOR
P48A		POWER SUBMARINE TERMINAL CABINET NO. 1NE	POWER SUBMARINE TERMINAL CABINET NO. 1NW	3-250 KCMIL	CABLE 'B'	-	M-NW-S DRIVE MOTOR
P48B	2 1/2"	POWER SUBMARINE TERMINAL CABINET NO. 1NW	DV-NW-S DRIVE 2	3-250 KCMIL	1 #1	-	M-NW-S DRIVE MOTOR
P49	2 1/2"	DV-NW-S DRIVE 2	M-NW-S DRIVE MOTOR, 75 HP VIA PBOX NO. 3NW	3-250 KCMIL	1 #1	-	M-NW-S DRIVE MOTOR
P50	1"	MCC-WB-1 (WESTBOUND)	POWER SUBMARINE TERMINAL CABINET NO. 1NE	3 #8	1 #8	-	MOB-NW-S
P50A		POWER SUBMARINE TERMINAL CABINET NO. 1NE	POWER SUBMARINE TERMINAL CABINET NO. 1NW	3 #8	CABLE 'A'	-	MOB-NW-S
P50B	1"	POWER SUBMARINE TERMINAL CABINET NO. 1NW	MOB-NW-S, 1 HP VIA PBOX NO. 3NW	3 #8	1 #8	-	MOB-NW-S
P51						-	NOT USED
P52	1"	MCC-WB-1 (WESTBOUND)	POWER SUBMARINE TERMINAL CABINET NO. 1NE	3 #8	1 #8	-	MB-NW-S
P52A		POWER SUBMARINE TERMINAL CABINET NO. 1NE	POWER SUBMARINE TERMINAL CABINET NO. 1NW	3 #8	CABLE 'A'	-	MB-NW-S
P52B	1"	POWER SUBMARINE TERMINAL CABINET NO. 1NW	MB-NW-S, 1 HP VIA PBOX NO. 3NW	3 #8	1 #8	-	MB-NW-S
P53	1"	MCC-WB-1 (WESTBOUND)	POWER SUBMARINE TERMINAL CABINET NO. 1NE	3 #8	1 #8	-	TG-NW-N
P53A		POWER SUBMARINE TERMINAL CABINET NO. 1NE	POWER SUBMARINE TERMINAL CABINET NO. 1NW	3 #8	CABLE 'C'	-	TG-NW-N
P53B	1"	POWER SUBMARINE TERMINAL CABINET NO. 1NW	TG-NW-N, 1/2 HP	3 #8	1 #8	-	TG-NW-N
P54	1"	MCC-WB-1 (WESTBOUND)	POWER SUBMARINE TERMINAL CABINET NO. 1NE	3 #8	1 #8	-	TG-NW-S
P54A		POWER SUBMARINE TERMINAL CABINET NO. 1NE	POWER SUBMARINE TERMINAL CABINET NO. 1NW	3 #8	CABLE 'A'	-	TG-NW-S
P54B	1"	POWER SUBMARINE TERMINAL CABINET NO. 1NW	TG-NW-S, 1/2 HP VIA PULL BOXES 3NW AND 4NW	3 #8	1 #8	-	TG-NW-S
P55	1"	MCC-WB-1 (WESTBOUND)	POWER SUBMARINE TERMINAL CABINET NO. 1NE	3 #8	1 #8	-	SUMP PUMP MOTOR (NW)
P55A		POWER SUBMARINE TERMINAL CABINET NO. 1NE	POWER SUBMARINE TERMINAL CABINET NO. 1NW	3 #8	CABLE 'C'	-	SUMP PUMP MOTOR (NW)
P55B	1"	POWER SUBMARINE TERMINAL CABINET NO. 1NW	SUMP PUMP CONTROL PANEL (NW)	3 #8	1 #8	-	SUMP PUMP MOTOR (NW)
P55C	1 1/2"	SUMP PUMP CONTROL PANEL	SUMP PUMP MOTOR (NW), 1.5 HP	FURNISHED BY CONTROL PANEL MANUFACTURER		-	SUMP PUMP MOTOR (NW)
P56	2"	MCC-WB-1 (WESTBOUND)	POWER SUBMARINE TERMINAL CABINET NO. 1NE	3 #1/0	1 #1/0	-	XFR-W2, 15 KVA
P56A		POWER SUBMARINE TERMINAL CABINET NO. 1NE	POWER SUBMARINE TERMINAL CABINET NO. 1NW	3 #1/0	CABLE 'D'	-	XFR-W2, 15 KVA
P56B	2"	POWER SUBMARINE TERMINAL CABINET NO. 1NW	XFR-W2, 15 KVA, PRIMARY VIA DISCONNECT SWITCH, 100A,	3 #1/0	1 #1/0	-	XFR-W2, 15 KVA
P56C	1 1/4"	XFR-W2, 15 KVA, SECONDARY 208/120V, 3 PHASE, 4 WIRE	DISTRIBUTION PANEL DP-W2	4 #6	1 #8	-	DP-W2
P56D						-	NOT USED
P57	2 1/2"	DB-W-1 (WEST SIDE)	POWER SUBMARINE TERMINAL CABINET NO. 1NE	3 #4/0	1 #1/0	-	XFR-W1, 45 KVA
P57A		POWER SUBMARINE TERMINAL CABINET NO. 2NE	POWER SUBMARINE TERMINAL CABINET NO. 2NW	3 #4/0	CABLE 'E' 1 #1/0	-	XFR-W1, 45 KVA
P57B	2 1/2"	POWER SUBMARINE TERMINAL CABINET NO. 2NW	SPLICE BOX	3 #4/0	1 #1/0	-	XFR-W1, 45 KVA
P57C	2"	SPLICE BOX	XFR-W1, 45 KVA, PRIMARY VIA DISCONNECT SWITCH, 100A,	3 #1/0	1 #1/0	-	XFR-W1, 45 KVA
P57D	2"	XFR-W1, 45 KVA, SECONDARY 480V, 3 PHASE, 4 WIRE	LIGHTING PANEL LP-W1	4 #1/0	1 #4	-	LP-W1
P58	1"	MCC-WB-1 (WESTBOUND)	POWER SUBMARINE TERMINAL CABINET NO. 1NE	3 #6	1 #6	-	CL-NW-N
P58A		POWER SUBMARINE TERMINAL CABINET NO. 1NE	POWER SUBMARINE TERMINAL CABINET NO. 1NW	3 #6	CABLE 'C' 1 #6	-	CL-NW-N
P58B	1"	POWER SUBMARINE TERMINAL CABINET NO. 1NW	CL-NW-N, 5 HP VIA PBOXES 3NW AND 4NW	3 #6	1 #6	-	CL-NW-N
P59	1"	MCC-WB-1 (WESTBOUND)	POWER SUBMARINE TERMINAL CABINET NO. 1NE	3 #6	1 #6	-	CL-NW-S

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

USER NAME = sharma	DESIGNED - A. CENTENO	REVISED -
FILE NAME = D:\50d61-shr-elo-88.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 1

SCALE: AS SHOWN SHEET NO. E-68 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	339
CONTRACT NO. 60D61			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	