

CONDUIT AND WIRE SCHEDULE

CONDUIT		FROM	TO	CONDUCTORS			
NO.	SIZE			ACTIVE	GROUND	SPARES	SERVICE
C01	1 1/2"	EMERGENCY GENERATOR CONTROL PANEL	AUTO TRANSFER SWITCH, 1600A, 480/277V, 3P, 4W	CONTROL CABLE FURNISHED BY GENERATOR/ATS MANUFACTURER	-	-	-
C02	2"	UTILITY METER	CT AND PT CABINET	CABLE FURNISHED BY COMED	-	-	-
C03	1 1/4"	NE DROP 3 IO & RELAY CABINET	P BOX NO. 1SE	4 #12	1#12	6 #12	WBL RGNL, WBLRGNL & WTRYR RELAYS, LINE EBN
C04	2"	SE DROP 5 IO/PLC & RELAY CABINET	P BOX NO. 1SE	22 #12	1#12	16 #12	EBLRNL, EBLRGNL & ETRYR RELAYS AIR HORN PUSHBUTTON CHAN. FLOODLIGHT, NL-NE, NL-SE NEUTRAL WIRE FOR WBLRNL, WBLRGNL & WTRYR RELAYS
C05	1 1/4"	P BOX NO. 1SE	ECC-1	3 #8, 2 #12	1#12	8 #12	WBLRNL, WBLRGNL, WTRYR, EBLRNL, EBLRGNL, ETRYR, CS-TG-SW, CS-BG-SW, CS-TG-SE
C06	1 1/2"	P BOX NO. 1SE	WCC-1	12 #12	1#12	8 #12	SE LEAF POSITION TRANSMITTER ZT-SE
C07	1"	SE DROP 5 IO/PLC & RELAY CABINET	P BOX NO. 2SE	TSP #14	1#12	2 TSP #14	SE/SW LEAF POSITION TRANSMITTERS
C08	1 1/2"	P BOX NO. 2SE	ECC-1	TSP #14, TSP #12	1#12	2 TSP #14, 2 TSP #12	CRWBCP, CS-TG-SW, PB-ESTOPS, CS-TG-SE, CS-BG-SW, CB801
C09	2"	ECC-1	WCC-1	8 #12	1#12	20 #12	NL-NE, NL-SE, CHANNEL FLOODLIGHT
C10	1 1/4"	PBOX NO. 1SE	BLCCTV CABINET	8 #12	1#12	4 #12	SEE DWGS. E-91, E-94
C11	2 1/2"	SE DROP 5 IO/PLC & RELAY CABINET	MCC-EB-1 (EASTBOUND)	34 #12	1#12	20 #12	SEE DWGS E-83, E-84, E-95
C12	2"	SE DROP 5 IO/PLC & RELAY CABINET	DV-SE-N, DRIVE 3	16 #12	1#12	12 #12	SEN MOTOR VOLT, AMPS AND RPM
C13	1 1/4"	SE DROP 5 IO/PLC & RELAY CABINET	DV-SE-N, DRIVE 3	3 TSP #14	1#12	2 TSP #14	SEFS, SEFC, SENC, SEN0, SEFO
C14	1 1/4"	DV-SE-N, DRIVE 3	DV-SE-S, DRIVE 4	5 #12	1#12	10 #12	SEE DWGS E-83, E-84, E-96
C15	2"	SE DROP 5 IO/PLC & RELAY CABINET	DV-SE-S, DRIVE 4	16 #12	1#12	12 #12	SIGNAL SHIELD CONNECTION
C16	1 1/4"	SE DROP 5 IO/PLC & RELAY CABINET	DV-SE-S, DRIVE 4	3 TSP #14	1#10	2 TSP #14	SIGNAL SHIELD CONNECTION
C17	1 1/4"	DV-SE-N, DRIVE 3	SE-N, DRIVE 3 MOTOR ENCODER	CABLE FURNISHED BY FLUX VECTOR DRIVE MANUFACTURER	1#10	-	SEE C20, C21
C18	1 1/4"	DV-SE-S, DRIVE 4	SE-S, DRIVE 4 MOTOR ENCODER	CABLE FURNISHED BY FLUX VECTOR DRIVE MANUFACTURER	1#10	-	ZS-SESOVSP
C19	3"	SE DROP 5 IO/PLC & RELAY CABINET	JBOX NO.1	2 #8, 2 #10 52 #12	1#10	16 #12	SEE C22, C28
C20	3/4"	JBOX J1	ZS-SESOVSP	2 #12	1#12	-	SEE C23, C23A
C21	3"	JBOX J1	JBOX J2	2 #8, 2 #10 50 #12	1#10	16 #12	SEE C24, C25
C22	1 1/2"	JBOX J2	JBOX J8	18 #12	1#12	4 #12	SEE C24A, C25A
C23	1"	JBOX J8	CONDUIT BODY (1")	6 #12	1#12	-	ZS-MOBSESS
C23A	1 1/4"	JBOX J8	CONDUIT BODY (1 1/4")	12 #12	1#12	-	ZS-MBSESS
C24	3/4"	CONDUIT BODY (1")	ZS-MOBSESS	2 #12	-	-	ZS-MBSESR, ZS-MBSESMR
C24A	3/4"	CONDUIT BODY (1 1/4")	ZS-MBSESS	4 #12	-	-	ZS-MBSESR, ZS-MBSESMR
C25	1"	CONDUIT BODY (1")	CONDUIT BODY (1")	4 #12	-	-	ZS-MBSESR
C25A	1"	CONDUIT BODY (1 1/4")	CONDUIT BODY (1")	8 #12	-	-	ZS-MBSESR
C26	3/4"	CONDUIT BODY (1")	ZS-MBSESR	2 #12	-	-	ZS-MBSESMR
C26A	3/4"	CONDUIT BODY (1")	ZS-MBSESR	4 #12	-	-	ZS-MBSESMR
C27	3/4"	CONDUIT BODY (1")	ZS-MBSESMR	2 #12	-	-	SEE C29, C42
C27A	3/4"	CONDUIT BODY (1")	ZS-MBSESMR	4 #12	-	-	SEE C30, C41, C34
C28	3"	JBOX J2	JBOX J3	2 #8, 2 #10 32 #12	1#10	12 #12	SEE C31, C32, C33
C29	1 1/2"	JBOX J3	JBOX J7	12 #12, 2 #10	1#12	4 #12	ZS-TGSEOGUA
C30	1"	JBOX J7	CONDUIT BODY (1")	8 #12	1#12	-	ZS-TGSEOGDA
C31	-	CONDUIT BODY (1")	ZS-TGSEOGUA	2 #12	-	-	ZS-TGSEOGHC
C32	-	CONDUIT BODY (1")	ZS-TGSEOGDA	4 #12	-	-	DS-BF, ZS-TGSEOGUB, ZS-TGSEOGDB
C33	-	CONDUIT BODY (1")	ZS-TGSEOGHC	2 #12	-	-	DS-BF
C34	1"	JBOX J7	CONDUIT BODY (1")	4 #12	1#12	-	DS-BR
C35	-	CONDUIT BODY (1")	DS-BF	2 #12	-	-	ZS-TGSEOGUB
C36	-	DS-BF	DS-BR	2 #12	-	-	ZS-TGSEOGDB
C37	-	DS-BR	ZS-TGSEOGUB	1 #12	-	-	ZS-TGSEOGUB
C38	-	DS-BR	ZS-TGSEOGDB	1 #12	-	-	ZS-TGSEOGDB
C39	-	CONDUIT BODY (1")	ZS-TGSEOGUB	1 #12	-	-	ZS-TGSEOGUB
C40	-	CONDUIT BODY (1")	ZS-TGSEOGDB	1 #12	-	-	ZS-TGSEOGDB
C41	3/4"	JBOX J7	TG-SESOG FLASHER	2 #10	1#12	-	TG-SESOG FLASHER

CONDUIT AND WIRE SCHEDULE

CONDUIT		FROM	TO	CONDUCTORS			
NO.	SIZE			ACTIVE	GROUND	SPARES	SERVICE
C42	2"	JBOX J3	JBOX J4	2 #8, 20 #12	1#10	8 #12	SEE C43, C44, C47
C43	3/4"	JBOX J4	ZT-SE ENCLOSURE HEATER	2 #12	1#12	-	ZT-SE ENCLOSURE HEATER
C44	1"	JBOX J4	CONDUIT BODY (1")	6 #12	1#12	4 #12	ZS-SEFC, ZS-SEFO2
C45	3/4"	CONDUIT BODY (1")	ZS-SEFC	4 #12	-	-	ZS-SEFC
C46	3/4"	CONDUIT BODY (1")	ZS-SEFO2	2 #12	-	-	ZS-SEFO2
C47	1 1/2"	JBOX J4	JBOX J5	2 #8, 12 #12	1#10	4 #12	C48, C51, C52
C48	1"	JBOX J5	CONDUIT BODY (1")	8 #12	1#12	-	ZS-SENC, ZS-SENO
C49	3/4"	CONDUIT BODY (1")	ZS-SENC	4 #12	-	-	ZS-SENC
C50	3/4"	CONDUIT BODY (1")	ZS-SENO	4 #12	-	-	ZS-SENO
C51	3/4"	JBOX J5	ZS-SEFO	4 #12	1#12	-	ZS-SEFO
C52	3/4"	JBOX J5	JBOX J6	2 #8	1#10	-	PIER LIGHTS PL-E3 & PL-E4
C53	3/4"	JBOX J6	PIER LIGHT PL-E4	2 #10	1#12	-	PIER LIGHT PL-E4
C54	3/4"	JBOX J6	PIER LIGHT PL-E3	2 #10	1#12	-	PIER LIGHT PL-E3
C55	3/4"	SE DROP 5 IO/PLC & RELAY CABINET	ZT-SE	TSP #14	1#12	-	ZT-SE
C56	3"	SE DROP 5 IO/PLC & RELAY CABINET	JBOX J9	4 #8, 2 #10 38 #12	1#10	12#12	SEE C58, C57
C57	3/4"	JBOX J9	ZS-SEFS	4 #12	1#12	-	ZS-SEFS
C58	3"	JBOX J9	JBOX J10	4 #8, 2 #10 34 #12	1#10	12 #12	SEE C60, P94
C59	3/4"	JBOX J10	ZS-SENOVSP	2 #12	1#12	-	ZS-SENOVSP
C60	2 1/2"	JBOX J10	JBOX J11	4 #8, 2 #10 30 #12	1#10	12 #12	SEE C61, C72, C85
C61	1 1/2"	JBOX J11	JBOX J13	18 #12	1#12	4 #12	SEE C62, C67
C62	1"	JBOX J13	CONDUIT BODY (1")	6 #12	1#12	-	SEE C63, C64
C63	3/4"	CONDUIT BODY (1")	ZS-MOBSENS	2 #12	-	-	ZS-MOBSENS
C64	3/4"	CONDUIT BODY (1")	CONDUIT BODY (1")	4 #12	-	-	ZS-MOBSENR, ZS-MOBSENMNR
C65	3/4"	CONDUIT BODY (1")	ZS-MOBSENR	2 #12	-	-	ZS-MOBSENR
C66	3/4"	CONDUIT BODY (1")	ZS-MOBSENMNR	2 #12	-	-	ZS-MOBSENMNR
C67	1 1/4"	JBOX J13	CONDUIT BODY (1 1/4")	12 #12	1#12	-	SEE C68, C69
C68	3/4"	CONDUIT BODY (1 1/4")	ZS-MBSENS	4 #12	-	-	ZS-MBSENS
C69	1"	CONDUIT BODY (1 1/4")	CONDUIT BODY (1")	8 #12	-	-	ZS-MBSENR, ZS-MBSENMNR
C70	3/4"	CONDUIT BODY (1")	ZS-MBSENR	4 #12	-	-	ZS-MBSENR
C71	3/4"	CONDUIT BODY (1")	ZS-MBSENMNR	4 #12	-	-	ZS-MBSENMNR
C72	1 1/2"	JBOX J11	JBOX J14	2 #10, 12 #12	1#12	4 #12	SEE C73, C78
C73	1"	JBOX J14	CONDUIT BODY (1")	8 #12	1#12	-	SEE C74, C75, C76
C74	3/4"	CONDUIT BODY (1")	ZS-TGSENOGUA	2 #12	-	-	ZS-TGSENOGUA
C75	-	CONDUIT BODY (1")	ZS-TGSENOGDA	4 #12	-	-	ZS-TGSENOGDA
C76	-	CONDUIT BODY (1")	ZS-TGSENOGHC	2 #12	-	-	ZS-TGSENOGHC
C77	3/4"	JBOX J14	TG-SENOG FLASHER	2 #10	1#12	-	TG-SENOG FLASHER
C78	1"	JBOX J14	CONDUIT BODY (1")	4 #12	1#12	-	DS-BF, ZS-TGSENOGUB, ZS-TGSENOGDB
C79	-	CONDUIT BODY (1")	DS-BF	2 #12	-	-	DS-BF
C80	-	DS-BF	DS-BR	2 #12	-	-	DS-BR
C81	-	DS-BR	ZS-TGSENOGUB	1 #12	-	-	ZS-TGSENOGUB
C82	-	DS-BR	ZS-TGSENOGDB	1 #12	-	-	ZS-TGSENOGDB
C83	-	ZS-TGSENOGUB	CONDUIT BODY (1")	1 #12	-	-	ZS-TGSENOGUB
C84	-	ZS-TGSENOGDB	CONDUIT BODY (1")	1 #12	-	-	ZS-TGSENOGDB
C85	1"	JBOX J11	JBOX J12	4 #8	1#10	-	PL-E1, PL-E2, NL-NE-N, NL-NE-S, NL-SE-N, NL-SE-S
C86	3/4"	JBOX J12	PL-E2	2 #10	1#12	-	PL-E2
C87	3/4"	JBOX J12	PL-E1	2 #10	1#12	-	PL-E1

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

USER NAME = sharma  
FILE NAME = D:\6061-shr-elo-71.dgn  
PLOT SCALE = NONE  
PLOT DATE = 5/7/2009

DESIGNED - A. CENTENO  
DRAWN - S. SHARMA  
CHECKED - M. INTATANO  
DATE - MAY 8, 2009

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONDUIT AND WIRE SCHEDULE  
SHEET 4**

SCALE: AS SHOWN SHEET NO. E-71 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	342
CONTRACT NO. 60D61			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	