

CONDUIT AND WIRE SCHEDULE

CONDUIT		FROM	TO	CONDUCTORS			
NO.	SIZE			ACTIVE	GROUND	SPARES	SERVICE
P114	1"	JBOX J12, CKTS. 9, 11, 13	BG-NESOC, SOUTH TOWER	4#8	1#10	-	GFCI RECEPTACLE ; ENCLOSURE, MOTOR AND BRAKE HEATERS
P115	1 1/4"	JBOX J12	JBOX J13	2#8, 4#6	1#8	-	NE-N DRIVE 3 MOTOR HEATER, BG-NENOC
P116	3/4"	JBOX J13, CKT. 7	NE-N DRIVE 3 MOTOR HEATER	2#10	1#12	-	NE-N DRIVE 3 MOTOR HEATER
P117	1"	JBOX J13, CKTS. 15, 17, 19	BG-NENOC, NORTH TOWER	4#8	1#10	-	GFCI RECEPTACLE ; ENCLOSURE, MOTOR AND BRAKE HEATERS
P118	3/4"	PANEL DP-W3, CKTS. 2, 4	PBOX 1SE	3#8	1#10	-	WCC-1 UTILITY AND CONTROL POWER
P119	3/4"	PBOX 1SE	WCC-1	3#8	1#10	-	WCC-1 UTILITY AND CONTROL POWER
P119A	1 1/4"	PANEL DP-W3, CKTS. 1, 3, 5	DROP 3 NE IO AND RELAY CABINET	2#6, 3#8	1#8	-	DROP 3 NE UTILITY/IO POWER, NE/NW FLASHER, TRAF. SIGNALS
P120	1 1/4"	PANEL DP-W2, CKTS. 2, 4, 6, 8	DROP 7 NW IO CABINET	2#6, 4#8	1#8	-	DROP 7 NW UTILITY/IO POWER, NW/SW NAV. AND PIER LIGHTS
P121	3/4"	PANEL DP-W2, CKT. 10	JBOX JN1	2#8	1#10	-	NW-N/NW-S DRIVE MOTOR HEATERS
P122	3/4"	JBOX JN1	DV-NW-N DRIVE 1	2#8	1#10	-	NW-N DRIVE 1 MOTOR HEATER
P123	3/4"	JBOX JN1	DV-NW-S DRIVE 2	2#8	1#10	-	NW-S DRIVE 2 MOTOR HEATER
P124	3/4"	DV-NW-N DRIVE 1	JBOX JM1	2#10	1#12	-	NW-N DRIVE 1 MOTOR HEATER
P125	3/4"	DV-NW-S DRIVE 2	JBOX JM1	2#10	1#12	-	NW-S DRIVE 2 MOTOR HEATER
P126	3/4"	JBOX JM1	NW-N DRIVE 1 MOTOR HEATER	2#10	1#12	-	NW-S DRIVE 1 MOTOR HEATER
P127	3/4"	JBOX JM1	NW-S DRIVE 2 MOTOR HEATER	2#10	1#12	-	NW-N DRIVE 2 MOTOR HEATER
C271	1 1/2"	JBOX JH1	JBOX JH2	TSP#14 ; CABLE BY FLUX VECTOR DRIVE MANUFACTURER	1#10	-	ZT-NE, M-NE-N DRIVE 3 MOTOR ENCODER
C272	1 1/4"	JBOX JH1	M-NE-S DRIVE 4 MOTOR ENCODER	CABLE FURNISHED BY FLUX VECTOR DRIVE MANUFACTURER	1#10	-	M-NE-S DRIVE 4 MOTOR ENCODER
C273	1 1/4"	JBOX JH2	M-NE-N DRIVE 3 MOTOR ENCODER	CABLE FURNISHED BY FLUX VECTOR DRIVE MANUFACTURER	1#10	-	M-NE-N DRIVE 3 MOTOR ENCODER
C274	3/4"	JBOX JH2	ZT-NE	TSP#14	1#10	-	ZT-NE
C275	2"	JBOX JB1	JBOX JB2	24#12	1#8	6#12	SEE C276, C285, C285A
C276	1 1/4"	JBOX JB2	CONDUIT BODY (1 1/4")	18#12	1#12	-	SEE C277, C278
C277	3/4"	CONDUIT BODY (1 1/4")	ZS-NEFC	4#12	-	-	ZS-NEFC
C278	1 1/4"	CONDUIT BODY (1 1/4")	CONDUIT BODY (1 1/4")	14#12	-	-	ZS-NENC, ZS-NENO, ZS-NEFO, ZS-NEFO2
C279	3/4"	CONDUIT BODY (1 1/4")	ZS-NEFO2	2#12	-	-	ZS-NEFO2
C280	1 1/4"	CONDUIT BODY (1 1/4")	CONDUIT BODY (1 1/4")	12#12	-	-	ZS-NENC, ZS-NENO, ZS-NEFO,
C281	3/4"	CONDUIT BODY (1 1/4")	ZS-NENO	4#12	-	-	ZS-NENO
C282	1"	CONDUIT BODY (1 1/4")	CONDUIT BODY (1")	8#12	-	-	ZS-NENC, ZS-NEFO
C283	3/4"	CONDUIT BODY (1")	ZS-NENC	4#12	-	-	ZS-NENC
C284	3/4"	CONDUIT BODY (1")	ZS-NEFO	4#12	-	-	ZS-NEFO
C285	3/4"	JBOX JB2	ZS-NEFS	4#12	-	-	ZS-NEFS
C285A	3/4"	JBOX JB2	ZT-NE	2#12	-	-	ZT-NE ENCLOSURE HEATER
C286	1"	SE DROP 5 IO/PLC AND RELAY CABINET	NE DROP 3 IO AND RELAY CABINET	(2) COAX CABLE, RG-6/U, #18AWG	1#8	(1) COAX CABLE, RG-6/U, #18AWG	DROPS SE 5, NE 3 AND NW 7
C287	1"	NE DROP 3 IO AND RELAY CABINET	CONTROL SUBMARINE CABLE TERMINAL CABINET NO. 3NE	(2) COAX CABLE, RG-6/U, #18AWG	1#8	(1) COAX CABLE, RG-6/U, #18AWG	NW DROP 7 IO CABINET
C288	1 1/4"	PBOX 2SE	CONTROL SUBMARINE CABLE TERMINAL CABINET NO. 3NE	TSP#12	1#10	2TSP#12	ZT-NW
C289	1 1/2"	NE DROP 3 IO AND RELAY CABINET	CONTROL SUBMARINE CABLE TERMINAL CABINET NO. 3NE	2#4, 2#10	1#8	2#4, 2#10	TG-NWNOG AND TG-NWSOG FLASHERS, CRENDVI DRY CONTACT
290	1"	WCC-1 VIA PBOX 2SE	NW DROP 7 IO CABINET	3#8	1#12	-	WB PB-ESTOP, SEE DWG. E-107
C291	3"	MCC-WB-1	CONTROL SUBMARINE CABLE TERMINAL CABINET NO. 3NE	44#10, 4#8	1#8	20#10	SEE DWGS. E-111, E-113, E-114
C292	3/4"	JBOX JU	ZT-SW	2#12	-	-	ZT-SW ENCLOSURE HEATER
C293	1 1/4"	DV-NW-N DRIVE 1	DV-NW-S DRIVE 2	5#12	1#12	10#12	NWFS, NWFC, NWNC, NWN0 NWFO
C294		CONTROL SUBMARINE CABLE TERMINAL CABINET NO. 3NE	CONTROL SUBMARINE CABLE TERMINAL CABINET NO. 3NW	SUBMARINE CABLE 1" (1) COAX CABLE, RG-6/U, #18AWG, TSP#12	1#10	(1) COAX CABLE, RG-6/U, #18AWG, TSP#12	NW DROP 7 IO CABINET ZT-NW
C295		CONTROL SUBMARINE CABLE TERMINAL CABINET NO. 3NE	CONTROL SUBMARINE CABLE TERMINAL CABINET NO. 3NW	SUBMARINE CABLE 1" 10#10, 7#8, 2#4	1#8	10#10, 6#8, 4#4	SEE C289, C290, C291

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CONDUIT		FROM	TO	CONDUCTORS			
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C296	1"	CONTROL SUBMARINE CABLE TERMINAL CABINET NO. 3NW	NW DROP 7 IO CABINET	(2) COAX CABLE, RG-6/U, #18AWG	1#10	(1) COAX CABLE, RG-6/U, #18AWG	NW DROP 7 IO CABINET
C297	1 1/4"	CONTROL SUBMARINE CABLE TERMINAL CABINET NO. 3NW	JBOX JJ1	TSP#12	-	2TSP#12	ZT-NW
C298	4"	CONTROL SUBMARINE CABLE TERMINAL CABINET NO. 3NW	JBOX JK1	44#10, 7#8, 2#4	1#4	10#10, 6#8, 4#4	SEE C289, C290, C291
C299	1 1/4"	JBOX JJ1	NW DROP 7 IO CABINET	TSP#14, TSP#12	1#10	2TSP#12	
C300	3/4"	JBOX JJ1	ZT-NW	TSP#14	1#12	-	ZT-NW
C301	4"	JBOX JK1	NW DROP 7 IO CABINET	46#10, 7#8	1#8	10#10, 6#8	SEE C289, C290, C291
C302	3/4"	JBOX JK1	JBOX JK2	2#4	1#10	-	TG-NWSOG FLASHER
C303	3 1/2"	NW DROP 7 IO CABINET	JBOX JK2	60#12, 4#8	1#8	24#12	SEE C306, C308, C307A, C314, C321, C373
C304	1 1/2"	DV-NW-N DRIVE 1	CONDUIT BODY (1 1/2")	CABLE FURNISHED BY FLUX VECTOR DRIVE MANUFACTURER	1#10	-	M-NW-N DRIVE 1 MOTOR ENCODER
C304A	1 1/4"	DV-NW-S DRIVE 12	CONDUIT BODY (1 1/2")	CABLE FURNISHED BY FLUX VECTOR DRIVE MANUFACTURER	1#10	-	M-NW-S DRIVE 2 MOTOR ENCODER
C304B	1 1/2"	CONDUIT BODY (1 1/2")	CONDUIT BODY (1 1/2")	CABLE FURNISHED BY FLUX VECTOR DRIVE MANUFACTURER	1#10	-	SEE C304, C304A
C304C	1 1/4"	CONDUIT BODY (1 1/2")	M-NW-S DRIVE 2 MOTOR ENCODER	CABLE FURNISHED BY FLUX VECTOR DRIVE MANUFACTURER	1#10	-	M-NW-S DRIVE 2 MOTOR ENCODER
C304D	1 1/4"	CONDUIT BODY (1 1/2")	M-NW-N DRIVE 1 MOTOR ENCODER	CABLE FURNISHED BY FLUX VECTOR DRIVE MANUFACTURER	1#10	-	M-NW-N DRIVE 1 MOTOR ENCODER
C305	3 1/2"	JBOX JK2	JBOX JK3	60#12, 4#8, 2#4	1#8	24#12	SEE C303, C302
C306	3/4"	JBOX JK3	ZS-NWFS	4 #12	1#12	-	ZS-NWFS
C307	3 1/2"	JBOX JK3	JBOX JK4	56#12, 4#8, 2#4	1#8	24#12	-
C307A	3/4"	JBOX JK4	ZS-NWSOVSP	2#12	1#12	-	ZS-NWSOVSP
C308	1 1/2"	JBOX JK4	JBOX JK4A	18#12	1#12	6#12	-
C309	1 1/4"	JBOX JK4A	CONDUIT BODY (1 1/4")	12#12	1#12	-	ZS-MBNWSS, ZS-MBNWSR, ZS-MBNWSMR
C310	3/4"	CONDUIT BODY (1 1/4")	ZS-MBNWSS	4#12	-	-	ZS-MBNWSS
C311	1"	CONDUIT BODY (1 1/4")	CONDUIT BODY (1")	8 #12	-	-	ZS-MBNWSR, ZS-MBNWSMR
C312	3/4"	CONDUIT BODY (1")	ZS-MBNWSR	4 #12	-	-	ZS-MBNWSR
C313	3/4"	CONDUIT BODY (1")	ZS-MBNWSMR	4 #12	-	-	ZS-MBNWSMR
C314	1"	JBOX JK4	JBOX JK7	4 #8, 2 #12	1 #10	-	PL-W3, PLW4, NL-SW-N, NL-SW-S
C315	1"	JBOX JK4A	CONDUIT BODY (1")	6 #12	1 #12	-	ZS-MOBNWSS, ZS-MOBNWSR, ZS-MOBNWSMR
C316	3/4"	CONDUIT BODY (1")	ZS-MOBNWSMR	2 #12	-	-	ZS-MOBNWSMR
C317	3/4"	CONDUIT BODY (1")	CONDUIT BODY (3/4")	4 #12	-	-	ZS-MOBNWSR, ZS-MOBNWSS
C318	3/4"	CONDUIT BODY (3/4")	ZS-MOBNWSR	2 #12	-	-	ZS-MOBNWSR
C319	3/4"	CONDUIT BODY (3/4")	ZS-MOBNWSS	2 #12	-	-	ZS-MOBNWSS
C320	2"	NW DROP 7 IO CABINET	CONDUIT BODY (2")	6TSP #14	1 #12	4 TSP #14	ANALOG INPUTS FOR MOTOR, VOLTS AMPS AND RPM
C321	1 1/4"	JBOX JK4	JBOX JK8	10 #12, 2 #4	1 #8	-	-
C322	3/4"	JBOX JK8	TG-NWSOG FLASHER	2 #10	-	-	FLASHER
C323	3/4"	JBOX JK8	CONDUIT BODY (3/4")	2 #12	1 #12	-	-
C324	-	CONDUIT BODY (3/4")	DS-BF	2 #12	-	-	DS-BF
C325	-	DS-BF	DS-BR	2 #12	-	-	DS-BR
C326	-	DS-BR	ZS-NWSOGUB	1 #12	-	-	ZS-NWSOGUB
C327	-	DS-BR	ZS-NWSOGDB	1 #12	-	-	ZS-NWSOGDB
C328	-	ZS-NWSOGUB	CONDUIT BODY (3/4")	1 #12	1 #12	-	ZS-NWSOGUB
C329	-	ZS-NWSOGDB	CONDUIT BODY (3/4")	1 #12	-	-	ZS-NWSOGDB
C330	1"	JBOX JK8	CONDUIT BODY (1")	6 #12	1 #12	-	ZS-TGNWSOGUA, ZS-TGNWSOGDA, ZS-TGNWSOGHC
C331	-	CONDUIT BODY (1")	ZS-TGNWSOGUA	2 #12	-	-	ZS-TGNWSOGUA
C332	-	CONDUIT BODY (1")	ZS-TGNWSOGDA	2 #12	-	-	ZS-TGNWSOGDA
C333	-	CONDUIT BODY (1")	ZS-TGNWSOGHC	2 #12	-	-	ZS-TGNWSOGHC
C334	3/4"	JBOX JL1	ZS-NWNOVSP	2 #12	1 #12	-	-
C335	3/4"	JBOX JK1	TG-NWNOG FLASHER	2 #10	-	-	FLASHER
C336	3"	NW DROP 7 IO CABINET	JBOX JL1	50 #12, 2 #8	1 #8	18 #12	-

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

USER NAME = sha-ma
FILE NAME = D:\d51-sht-elo-70.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 3**

SCALE: AS SHOWN SHEET NO. E-70 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	341
CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				