PANEL: A-NORTH WEST PARKING LOT (EXISTING)

SPACES	MOUNTING	LOCATION	MAIN LUG	MAIN	VOLTAGE	MAIN BUS	FEED
30	SURFACE		ONLY	BREAKER	120/240V 1ø 3W	RAT.	

CKT. NO.	DESCRIPTION	LOADS A ø	LOADS B ø	BKR SIZE	POLE	A	B	BKR SIZE	POLE	LOADS A ø	LOADS B ø	DESCRIPTION	CKT. NO.
1	PANEL ⏚			20	1			20	1			SPARE	2
3	TICKET BOOTH #3			30	2			30	2			TICKET BOOTH #6	4
5	–											–	6
7	TICKET BOOTH #2			30	2			30	2			TICKET BOOTH #5	8
9	–											–	10
11	TICKET BOOTH #1			30	2			30	2			TICKET BOOTH #4	12
13	–											–	14
15	ENTRANCE LTS			20	2			20	1			ENTRANCE LTS	16
17	ENTRANCE LTS											–	18
19	SPACE			20	1			20	1			SPACE	20
21	–			20	1			20	1			SPACE	22
23	PARKING LOT LTS			50	2			20	1			SPACE	24
25	–							20	1			SPACE	26
27				20	2			100	2			VENDING SHED	28
29												VENDING SHED	30
	TOTAL												

TOTAL CONN. = , W / = A

1 EXISTING LOAD TO REMAIN
2 DISCONNECT & REMOVE EXISTING CONDUCTORS COMPLETELY, REMOVE C/B & PROVIDE BLANK PLATE

PANEL: B (EXISTING)

SPACES	MOUNTING	LOCATION	MAIN LUG	MAIN	VOLTAGE	MAIN BUS	FEED
30	SURFACE		ONLY	BREAKER	120/240V 1ø 3W	RAT.	

CKT. NO.	DESCRIPTION	LOADS A ø	LOADS B ø	BKR SIZE	POLE	A	B	BKR SIZE	POLE	LOADS A ø	LOADS B ø	DESCRIPTION	CKT. NO.
1	EXISTING LOAD			30	2			30	2			EXISTING LOAD	2
3	EXISTING LOAD											EXISTING LOAD	4
5	EXISTING LOAD			30	2			30	2			EXISTING LOAD	6
7	EXISTING LOAD											EXISTING LOAD	8
9	EXISTING LOAD			30	2			30	2			EXISTING LOAD	10
11	EXISTING LOAD											EXISTING LOAD	12
13	EXISTING LOAD			30	2			30	2			EXISTING LOAD	14
15	EXISTING LOAD											EXISTING LOAD	16
17	EXISTING LOAD			30	2			30	2			EXISTING LOAD	18
19	–											–	20
21	SPACE			20	1			20	1			SPACE	22
23	SPACE			20	2			20	1			SPACE	24
25	SPACE			20	2			20	1			SPACE	26
27													28
29													30
	TOTAL												

TOTAL CONN. = , W / = A

PANEL: PANEL: A2 (NEW) NEMA4X ENCLOSURE

SPACES	MOUNTING	LOCATION	MAIN LUG	MAIN	VOLTAGE	MAIN BUS	FEED
40	SURFACE		ONLY	BREAKER 200/2	120/240V 1ø 3W	RAT. 225A	22KAIC

CKT. NO.	DESCRIPTION	LOADS A ø	LOADS B ø	BKR SIZE	POLE	A	B	BKR SIZE	POLE	LOADS A ø	LOADS B ø	DESCRIPTION	CKT. NO.
1	DRIVE AISLE POLE LTS	1536		30	2			20	1	320		SIGN LTG	2
3			1536					20	1		900	EAST POLE LT RECPT.	4
5	KIOSK A2-1	2980		40	2			20	1	1080		EAST POLE LT RECEPT	6
7			2940					20	1			SPARE	8
9	KIOSK A2-2	2980		40	2			20	1			SPARE	10
11			2940					40	2		2940	KIOSK A2-4	12
13	CANOPY LT	420		20	1					2940		–	14
15	KIOSK A2-3		2940	40	2			40	2		2980	KIOSK A2-5	16
17		2940								2940		–	18
19	WELCOME SIGN LIGHTING		1440	20	1			40	2		2980	KIOSK A2-6	20
21	WELCOME SIGN LIGHTING	720		20	1					2940			22
23	SPACE			20	1			20	1			SPACE	24
25				20	1			20	1				26
27				20	1			20	1				28
29				20	1			20	1				30
31				20	1			20	1				32
33				20	1			20	1				34
35				20	1			20	1				36
37				20	1			20	1				38
39				20	1			20	1				40
–				–	–			–	–				–
	TOTAL	11576	11796										

TOTAL 10220 9800

CONNECTED LOAD = 42192W

DEMAND LOAD DATA

LTG	5252W x 100%	= 5252W
⏚	1980W x 100%	= 1980W
KIOSK PANEL	32160W x 80%	= 25728W
	32960W / 240V = 137A	

PANEL: A2-1 (A2-2, A2-3, A2-4, A2-5, A2-6 SIMILAR) FURNISHED PREV/RED WITH KIOSK BY KIOSK MFR

SPACES	MOUNTING	LOCATION	MAIN LUG	MAIN	VOLTAGE	MAIN BUS	FEED
30	SURFACE		ONLY	BREAKER	120/240V 1ø 3W	RAT.	

CKT. NO.	DESCRIPTION	LOADS A ø	LOADS B ø	BKR SIZE	POLE	A	B	BKR SIZE	POLE	LOADS A ø	LOADS B ø	DESCRIPTION	CKT. NO.
1	KIOSK LTS	400		20	1			20	1	1776		ROOF A/C	2
3	KIOSK COUNTER RECPT		360	20	1			30	2		2400	ELEC CAB	4
5	KIOSK COUNTER RECPT	180		20	1			20	1	2400		HEATER	6
7	KIOSK COUNTER RECPT		180	20	1			20	1		360	IT CAB RECEPTACLE	8 *
9	SPACE			20	1			20	1	80		ROOF TOP CANOPY UPLIGHT	10
11	SPACE			20	1			20	1	–	–	SPACE	12
13	SPACE			20	1			20	1	–		SPACE	14
15	SURGE SUPPRESSOR			30	2			20	1		–	SPACE	16
17								20	1				
	TOTAL	580	540							2480	2760		

TOTAL CONN. =5360/240V = 22.3 A

* FOR PANEL A2-1 ONLY

FILE NAME = ...\sheet\Lighting\2563_E_2_1.dgn	USER NAME = dto	DESIGNED - WK	REVISED -	
		DRAWN - FI	REVISED -	
	PLOT SCALE = 0.2397 ' / in.	CHECKED - VT	REVISED -	
	PLOT DATE = 12/13/2012	DATE - 10/22/2012	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PANEL SCHEDULES E2.1

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3784	12-F3000-23-PK	COOK	133	103
		CONTRACT NO. 63764		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		