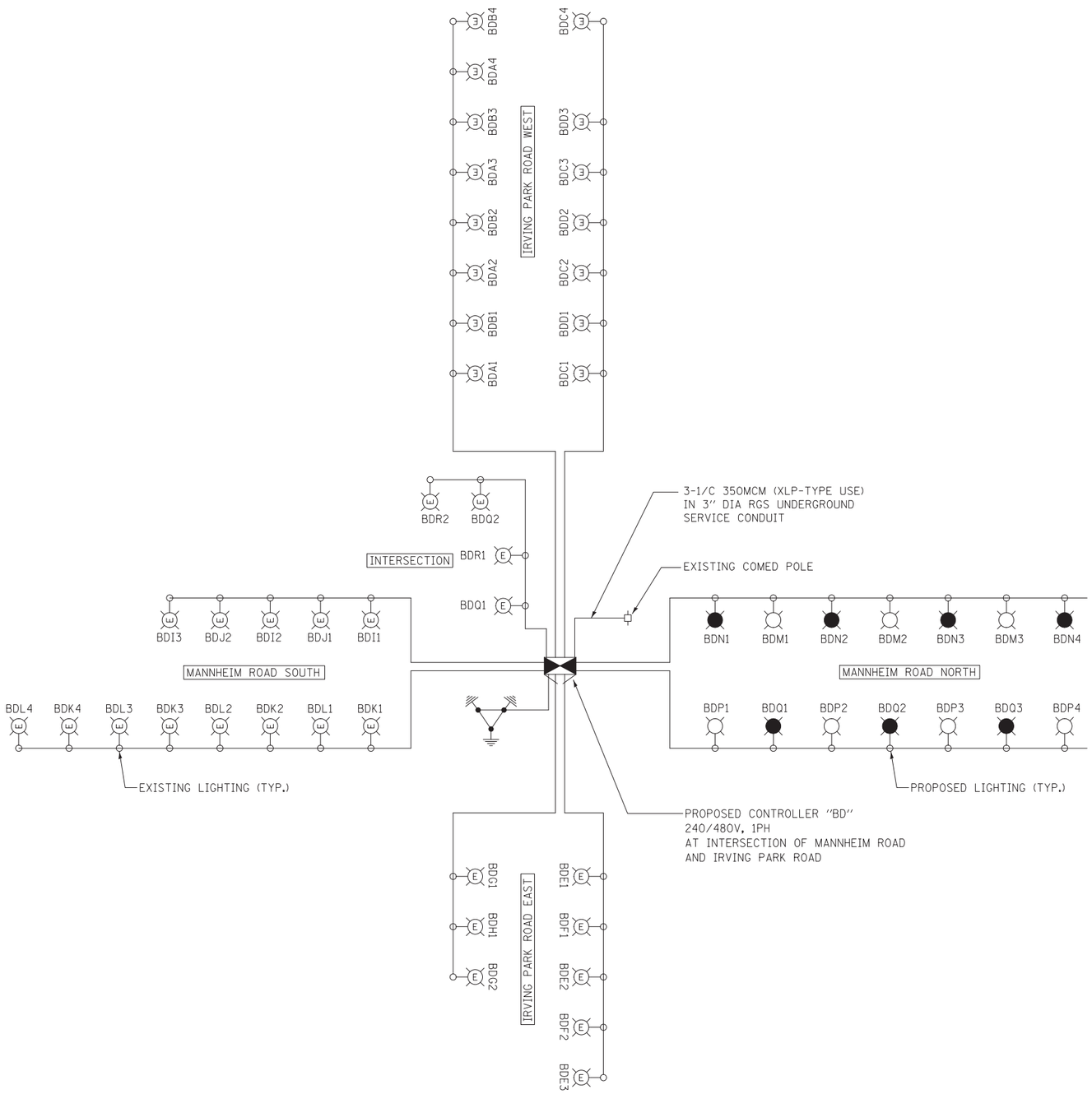

LOAD TABLE
CONTROLLER "BD"
240/480V, 1PH, 3W

CKT. TAG	PHASE A	PHASE B	LUMINAIRES
A	8.13	----	4-400W HPS
B	----	6.09	3-400W HPS
C	6.09	----	3-400W HPS
D	----	6.09	3-400W HPS
E	6.09	----	3-400W HPS
F	----	4.06	2-400W HPS
G	4.06	----	2-400W HPS
H	----	2.03	1-400W HPS
I	6.09	----	3-400W HPS
J	----	4.06	2-400W HPS
K	8.13	----	4-400W HPS
L	----	8.13	4-400W HPS
M	4.72	----	3-310W HPS
N	----	6.30	4-310W HPS
O	4.72	----	3-310W HPS
P	----	6.30	4-310W HPS
Q	4.06	----	2-400W HPS
R	----	4.06	2-400W HPS
TOTAL AMPS AT 240V	52.14 A	47.16 A	

LOAD TABLE
EXISTING CONTROLLER "C"
240/480V, 1PH, 3W

CKT. TAG	PHASE A	PHASE B	LUMINAIRES
A	28.10	----	7-400W HPS 2-55W LPS 30-85W FLUD (SIGN)
B	----	27.10	8-400W HPS 2-55W LPS 24-85W FLUD (SIGN)
C	30.98	----	11-400W HPS 20-85W FLUD (SIGN)
D	----	22.33	11-400W HPS
E	28.17	----	7-400W HPS 8-250W HPS 10-85W FLUD (SIGN)
F	----	32.97	7-400W HPS 8-250W HPS 20-85W FLUD (SIGN)
G	20.00	----	8-400W HPS 3-250W HPS
H	----	18.00	7-400W HPS 3-250W HPS
I	28.97	----	10-400W HPS 3-310W HPS 7-70W HPS
J	----	27.54	10-400W HPS 3-310W HPS 6-70W HPS
K	29.07	----	7-310W HPS 6-250W HPS 2-200W HPS 6-70W HPS
L	----	27.03	7-310W HPS 7-250W HPS 6-70W HPS
M	12.70	----	10-250W HPS
N	----	12.70	10-250W HPS
O	19.71	----	9-400W HPS 4-70W HPS
P	----	15.61	7-400W HPS 4-70W HPS
Q	19.11	----	3-400W HPS 4-310W HPS 1-250W HPS 6-70W HPS
R	----	19.11	3-400W HPS 4-310W HPS 1-250W HPS 6-70W HPS
TOTAL AMPS AT 240V	216.81 A	202.39 A	

NOTE:

1. LOADING ASSUMES 22% BALLAST FACTOR.

E–32

DELTA ENGINEERING GROUP, LLC

USER NAME = mali	DESIGNED - HS	REVISED -
	DRAWN - KK	REVISED -
PLOT SCALE = $SCALE$	CHECKED - HS	REVISED -
PLOT DATE = 10/5/2012	DATE - 10-19-2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SINGLE LINE DIAGRAM FOR CONTROLLER BD
AND LOAD TABLES FOR CONTROLLERS BD AND C

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	318

CONTRACT NO. 60G37

ILLINOIS FED. AID PROJECT

FILE NAME = c:\caddlib\pw\kkhan\pwgreat_lakes\dms47844\D160G37-sht-light-32.dgn