

LOAD TABULATION FOR LIGHTING CONTROLLER "WK" BEMES ROAD

CIRCUIT	DESCRIPTION	PHASE A (RED) AMPS	PHASE B (BLACK) AMPS	BREAKER SIZE AMPS
A	(2) FIXT @ 1.94A, (5) NEW FIXT @ 1.53A	11.53 (13.58)		70A, 1 POLE
B	(1) EX FIXT @ 1.94A, (6) NEW FIXT @ 1.53A		9.59 (9.18)	70A, 1 POLE
C	(2) EX FIXT @ 1.94A, (5) NEW FIXT @ 1.53A	11.53 (13.58)		70A, 1 POLE
D	(2) EX FIXT @ 1.94A, (5) NEW FIXT @ 1.53A		11.53 (13.58)	70A, 1 POLE
E	(3) EX FIXT @ 1.94A, (1) NEW FIXT @ 1.53A	7.35 (7.76)		70A, 1 POLE
F	(2) EX FIXT @ 1.94A, (1) NEW FIXT @ 1.53A		5.41 (5.82)	70A, 1 POLE
G	(2) FIXT @ 1.94A, (1) NEW FIXT @ 1.53A	5.41 (7.76)		70A, 1 POLE
H	(3) FIXT @ 1.94A, (1) NEW FIXT @ 1.53A		7.35 (7.76)	70A, 1 POLE
TOTAL CONNECTED LOAD @ 240V, 1 PH.		35.82A (42.68A)	33.88A (36.34A)	
TOTAL CONNECTED LOAD @ 240V, 1 PH.		8.6KVA (10.2KVA)	8.13KVA (8.7KVA)	
TOTAL CONNECTED LOAD @ 480V, 1 PH.		34.9A (39.38A)		

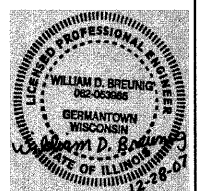
NOTE: AMPERAGE IN PARENTHESIS REPRESENT FUTURE LUMINARIES WITH A 400W HPS LAMPS.

LEGEND

- PROPOSED 310W HPS LUMINAIRE, UNLESS OTHERWISE INDICATED
- EXISTING 400W HPS LUMINAIRE
- PROPOSED LIGHTING CONTROLLER, SINGLE TYPE
- B BLACK PHASE CONDUCTOR
- W WHITE NEUTRAL CONDUCTOR
- R RED PHASE CONDUCTOR
- G GREEN GROUND CONDUCTOR

NOTE:

1. SEE TRAFFIC PLANS FOR STATIONS.



Rev. Sheet 2-14-08

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 394 SAFETY IMPROVEMENTS - GOODNOW ROAD TO BURRVILLE ROAD
LIGHTING CONTROLLER AT BEMES ROAD - ONE-LINE DIAGRAM**

SCALE: 1" = 50' SHEET NO. 43 OF 53 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	2007-044 I	WILL & COOK	53	43
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60D34	

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PLOT SCALE = #SCALE#	DRAWN - JCC	REVISED -
PLOT DATE = 2/8/2008	CHECKED - BDB	REVISED -
	DATE - 12-31-07	REVISED -

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