

IL RTE. 47			
		WATTAGE	BURN
INDICATION	NUMBER	EACH	TIME (%:
RED	11	10	60
YELLOW	11	17	5
GREEN	11	11	35
YELLOW ARROW	6	6	5
GREEN ARROW	6	5	10
*	2	5	5
Ŷ	2	5	95
GRANVILLE RD.			
RED	6	10	60
YELLOW	6	17	5
GREEN	6	11	35
GREEN ARROW	4	6	10
K	2	5	5
Ž.	2	5	95

TRAFFIC SIGNAL CABINET

		WATTAGE	BURN
_ITEM	NUMBER	EACH	TIME (%)
CONTROLLER	1	6	100
INDUCTIVE LOOP DETECTOR	12	1.5	100
UNINTERRUPTABLE POWER SUPPLY	1	50	100
LIGHT DETECTOR AMPLIFIER	1	1.5	100

HIGHWAY LIGHTING

		WATTAGE	BURN
ITEM	NUMBER	EACH	TIME (%)
CONTROLLER	1	6	100
LUMINAIRE	4	400	45

ELECTRICAL LOAD CHART

<u>%)</u>	THE TRAFFIC SIGNAL EQUIPMENT FOR THIS CONTRACT SHALL BE EAGLE BRAND. THE CONTROLLERS FURNISHED SHALL BE THE MOST CURRENT EAGLE BRAND.	
	NOTIFY THE TRAFFIC SIGNAL SECTION AT 172 HOURS IN ADVANCE TO REDESIGN THE D	

NOTES:

1. WORD "GRADE" IS TO BE INTERPRETED AS TOP OF CURB. TOP OF FOUNDATION SHALL NOT BE EXPOSED MORE THAN 4 in ABOVE THE SURROUNDING GROUND.

LOOPS, IF POSSIBLE, TO AVOID CONSTRUCTION JOINTS.

- 2. ALL SIGNAL HEADS SHALL HAVE BACKPLATES.
- 3. FOUNDATION SHOULD BE 2 in ABOVE GROUND OR 1.0 in ABOVE CENTERLINE OF ROADWAY, WHICHEVER IS HIGHER.

DETECTOR LOOP INDUCTANCE CHART

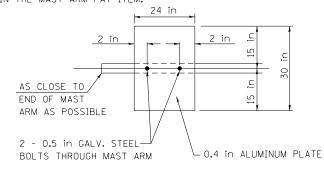
DETECTOR LOOP	TURNS	INDUCTANCE READING	FREQUENCY	J PIN
SYSTEM	PER LOOP	(MICROHENRIES)	(HERTZ)	STATUS
Α	4	819	21,312	ON
В	6	639	24,128	ON
С	4	555	25,890	OFF
D	4	567	25,614	ON
E	4	563	25,705	ON
F	4	529	26,518	ON
G	4	526	26,594	ON
Н	4	791	21,686	ON
I	6	639	24,128	ON
J	4	553	25,936	OFF
K	4	565	25,659	ON
L	4	560	25,774	ON



SQ. FT. EACH REQUIRED

LEFT TURN 5.00 SQ. FT. EACH YIELD ON GREEN REQUIRED R10-12

DAMPENING DEVICE SHALL CONSIST OF A 24in X 30in TYPE 1, UNPAINTED ALUMINUM SIGN STOCK MOUNTED HORIZONTALLY ON TOP OF MAST ARM WITH THE 30in LENGTH PERPENDICULAR TO THE ARM. COST OF THE DAMPENING DEVICE IS INCLUDED



DAMPENING PLATE DETAIL (TOP VIEW) INCLUDED IN COST OF MAST ARM

PEDESTRIAN CROSSING SIGN DETAIL

COUNT-DOWN PEDESTRIAN SIGN R10-3e TO BE USED.

8 REQUIRED.

DIMENSIONS: 9in x 15in (TYP.) LEGEND AND BORDER: NON-REFLECTORIZED BLACK BACKGROUND: RETROREFLECTIVE WHITE NUMBERS AND SYMBOLS: RETROREFLECTIVE ORANGE

ONE SIGN SHALL BE PROVIDED FOR EACH PUSH-BUTTON. ORIENTATION OF DIRECTIONAL ARROWS TO BE DETERMINED BY PUSH-BUTTON LOCATION.

ALL MOUNTING HARDWARE SHALL BE STAINLESS STEEL CONSTRUCTION. ALL MOUNTING BOLTS SHALL BE HEX HEAD.

MATERIALS AND INSTALLATION OF THIS SIGN SHALL BE INCLUDED IN THE COST OF PEDESTRIAN PUSH-BUTTON.

FILE NAME =	USER NAME = bdecraene	DESIGNED	-	AS	
V:\3195\66B83 (South Section)\CADD Sheet	s\D366B83-sht-ts-15.dgn	DRAWN	-	AS	
	PLOT SCALE = 40.0000 '/ in.	CHECKED	-	ST	
SHT_PLAN	PLOT DATE = 8/6/2013	DATE	-	7/15/2013	

LIN ENGINEERING, LTD. Consulting Engineers

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

IL. RTE. 47 AT GRANVILLE RD.							F.A.	
MAST ARM	LOADING	DIAG	RAM FIFC	TRICAL LOAD	CHART &	SIGN	DETAILS	320
WAO! AIW	LOADING	DIAG	IIAW, ELLO	IIIIOAL LOAD	onani, a	01011	DETAILO	
SCALE: N/A	SHEET	NO. 6	OF 20 SHEE	TS STA. N/	A TO	STA. N	I/A	

	F.A.P. RTE.	SECTIO	ON		COUNTY	TOTAL SHEETS	SHEET NO.
3	326	326 (110)R, BR & BR			GRUNDY	644	283
_					CONTRACT	NO. 66	B83
		IL	LINOIS	FED. A	D PROJECT		