

	DETECTOR LOOP	TURNS	INDUCTANCE READING	FREQUENCY	J PIN
()	SYSTEM	PER LOOP	(MICROHENRIES)	(HERTZ)	STATUS
	A	4	569	25,569	OFF
	В	6	620	24,511	ON
	ı c	4	829	21,189	ON
	D '	4 '	658	23,793	OFF
	E	5	563	25,721	ON
	F	4	803	21,523	ON
	G	4 -	524	26,662	OFF
	Н	5	427	29,536	ON
	l I	4	784	21,798	ON
	J	5	438	29,163	ON
	K	5	569	25,575	ON

50 1.5 100 WATTAGE BURN TIME (%) EACH

BURN

TIME (%)

100

100

100

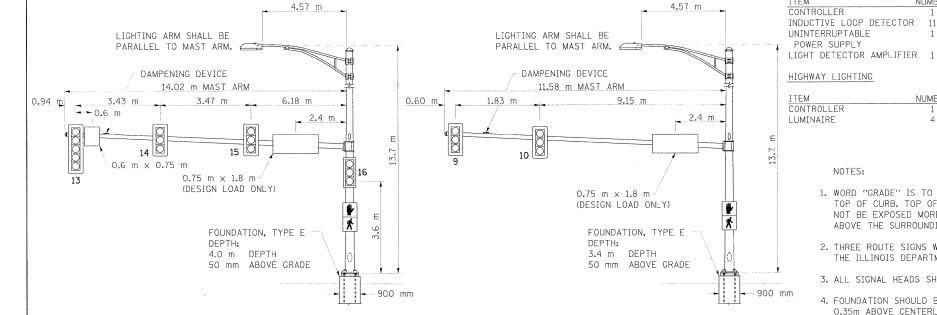
WATTAGE

EACH

1.5

400

NOTIFY THE TRAFFIC SIGNAL SECTION AT (815) 434-8506 72 HOURS IN ADVANCE TO REDESIGN THE DETECTOR LOOPS, IF POSSIBLE, TO AVOID CONSTRUCTION JOINTS.



NOTES:

NOTE:

TRAFFIC SIGNAL CABINET

1. WORD "GRADE" IS TO BE INTERPRETED AS TOP OF CURB. TOP OF FOUNDATION SHALL NOT BE EXPOSED MORE THAN 100 mm ABOVE THE SURROUNDING GROUND.

NUMBER

- 2. THREE ROUTE SIGNS WILL BE FURNISHED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
- 3. ALL SIGNAL HEADS SHALL HAVE BACKPLATES.

DAMPENING DEVICE SHALL CONSIST OF A 600mm X 750mm TYPE 1, UNPAINTED ALUMINUM SIGN STOCK MOUNTED HORIZONTALLY ON

TOP OF MAST ARM WITH THE 750mm LENGTH PERPENDICULAR

TO THE ARM. COST OF THE DAMPENING DEVICE IS INCLUDED

4. FOUNDATION SHOULD BE 50mm ABOVE GRADE OR 0.35m ABOVE CENTERLINE OF ROADWAY, WHICHEVER IS HIGHER.

PEDESTRIAN CROSSING SIGN DETAIL

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

8 REQUIRED.

DIMENSIONS: 230mm x 380mm (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.

CHECKED BY: KO

600 mm	
AS CLOSE TO END OF MAST	
ARM AS POSSIBLE	
2 - 16 mm GALV. STEEL	

DAMPENING PLATE DETAIL (TOP VIEW) INCIDENTAL TO MAST ARM QUANTITY

REVISIONS		TILINOIS I	DEPARTMENT I	OF TRANSPORTATION	
NAME DATE					
		MAST ARM LOADING DIAGRAM			
		ELE(CTRICAL L	OAD CHART	
		SIGN DETAILS			
		IL. 47 (BRIDGE ST.)/			
		LANDMARK AVENUE			
		SCALE: NONE		DRAWN BY: SL	
····	 	DATE: MARCH	2010	CHECKED BY. KC	

STREET SIGN DETAIL

MAST ARM SOUTHWEST QUADRANT (F)

0.75 m x 1.8 m-

DEPTH:

(DESIGN LOAD ONLY)

3.4 m DEPTH

FOUNDATION, TYPE E

50 mm ABOVE GRADE

MAST ARM NORTHWEST QUADRANT (A)

THESE STREET NAME SIGNS SHALL BE PLACED ON THE MAST ARMS PARALLEL TO THE RESPECTIVE ROUTE AS DIRECTED BY THE ENGINEER.

STREET NAME SIGNS:

LIGHT DETECTOR

CONFIRMATION BEACON

- 1. TYPE ZZ SHEETING REQUIRED
- 2. WHITE/GREEN BACKGROUND
- 3. STYLE (d)-15 mm BORDER 4, 200 mm SERIES D LETTERS
- 5. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN



IN THE MAST ARM PAY ITEM. BRIDGE 1.35 SQ. M. EACH 2 REQUIRED 1.35 SQ. M. EACH 600 2 REQUIRED LEFT TURN 0.45 SQ. M. EACH YIELD ON GREEN

__ REQUIRED \bigcirc R10-12

MAST ARM SOUTHEAST QUADRANT (D)

MAST ARM NORTHEAST QUADRANT (B)