

30 IN.

IL ROUTE 47

NOTES:

		WATTAGE	BURN
INDICATION	NUMBER	EACH	TIME (%)
RED	10	12	60
YELLOW	10	32	5
GREEN	10	12	35
YELLOW ARROW	4	12	5
GREEN ARROW	4	11	10
<b>☆</b>	4	7	5
	4	7	95
NORTH STREET			
RED	10	12	70
YELLOW	10	32	5
GREEN	10	12	25
*	4	7	5
₩	4	7	95
TRAFFIC SIGNAL CABINET			
		WATTAGE	BURN
ITEM	NUMBER	EACH	TIME (%)
CONTROLLER	2	6	100
INDUCTIVE LOOP DETECTOR	10	1.5	100
UNINTERRUPTABLE	1	50	100
POWER SUPPLY			
LIGHT DETECTOR AMPLIFIER	1	1,5	100
HIGHWAY LIGHTING			
		WATTAGE	BURN
ITEM	NUMBER	EACH	TIME (X)
CONTROLLER	1	6	100
LUMINAIRE	2	250	45

DETECTOR LOOP	TURNS	INDUCTANCE READING	FREQUENCY	J PIN
SYSTEM	PER LOOP	(MICROHENRIES)	(HERTZ)	STATUS
A	4	282	36344	OFF
В	5	268	30205	ON
C	4	382	31227	ON
D	4	680	29570	OFF
E	4	404	30365	ON
F	4	326	33802	OFF
G	5	290	35833	ON
H	4	470	28152	ON
I	4	884	38295	OFF
J	4	382	31227	ON

## PEDESTRIAN CROSSING SIGN DETAIL



TO CROSS
STREET WAIT FOR WALK SIGNAL

R10-4a LEFT OR RIGHT

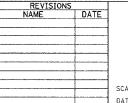
8 REQUIRED

DIMENSIONS: 9 IN. x 12 IN. (TYP.) LEGEND AND BORDER: NON-REFLECTORIZED BLACK BACKGROUND: NON-REFLECTORIZED WHITE

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.

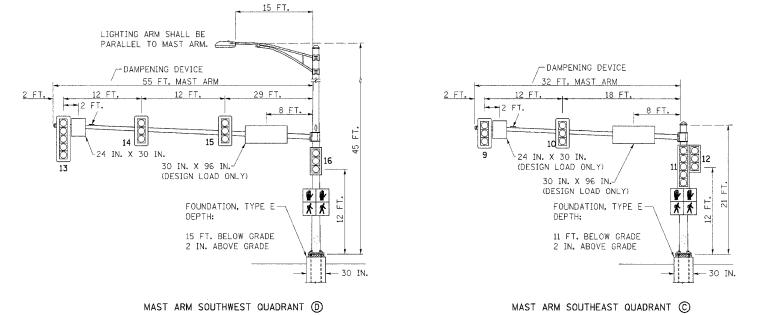


MAST ARM LOADING DIAGRAM ELECTRICAL LOAD CHART SIGN DETAILS IL. 47 (DIVISION ST.) / NORTH STREET SCALE: NONE DRAWN BY: JVR

CHECKED BY: FML

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLANS - IL ROUTE 47 & NORTH ST.



24 IN. X 30 IN.

(DESIGN LOAD ONLY)

(PRE-EMPTION)

CONFIRMATION BEACON-

(PRE-EMPTION)

STREET NAME SIGNS:

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1, TYPE A SHEETING REQUIRED 2. WHITE/GREEN BACKGROUND

3. STYLE (d) - 5/8 IN. BORDER

4. 8 IN. SERIES D LETTERS

LIGHT DETECTOR-

30 IN. X 96 IN.-

(DESIGN LOAD ONLY)

FOUNDATION, TYPE E-

11 FT. BELOW GRADE

MAST ARM NORTHWEST QUADRANT (A)

STREET SIGN DETAIL

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

5. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN

2 REQUIRED

2 IN. ABOVE GRADE

/ 6 🔯 <sup>1</sup>24 IN. X 30 IN.

CONFIRMATION BEACON

54

24

LEFT TURN

YIELD

ON GREEN

R10-12

(PRE-EMPTION)

LIGHT DETECTOR

(PRE-EMPTION)

30 IN. X 96 IN.

(DESIGN LOAD ONLY)

DEPTH:

FOUNDATION, TYPE E-

13 FT. BELOW GRADE

MAST ARM NORTHEAST QUADRANT (B)

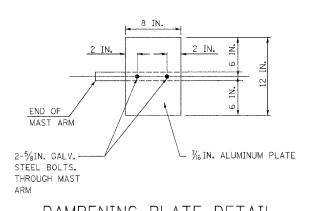
11.25 SQ. FT. EACH

2 REQUIRED

\_\_\_\_5 \_\_\_ SQ. FT. EACH

2\_\_\_ REQUIRED

2 IN. ABOVE GRADE



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

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.