CONTRACT NO. 66769

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	LA SALLE	48	39

STA. | TO STA.

FED. ROAD DIST. NO. _ | ILLINOIS | FED. AID PROJECT

• FAP 68 & 68 ALT (IL 23 NB & SB)
•• (35, 51 & 48 CS, 1Z)TS

ELECTRICAL LOAD FOR INTERSECTION

STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
COLUMBUS STREET (IL 23 SB)	RED	4	10	42
	YELLOW	4	19	5
	GREEN	4	14	53
	🚶🚶	4	7	100
	88	4	5	53
LAFAYETTE STREET	RED	4	10	68
	YELLOW	4	19	5
	GREEN	4	14	27
	🚶🚶	4	7	100
	88	4	5	27
TRAFFIC SIGNAL CABINET	CONTROLLER	1	6	100
	UPS	1	50	100
	EMERGENCY VEHICLE PREEMPT	3	--	--

AGENCY RESPONSIBLE FOR TRAFFIC SIGNAL ENERGY CHARGES:
CITY OF OTTAWA

NOTE:

DAMPENING DEVICE SHALL CONSIST OF A 24" X 30" TYPE 1, UNPAINTED ALUMINUM SIGN STOCK MOUNTED HORIZONTALLY ON TOP OF MAST ARM WITH THE 30" LENGTH PERPENDICULAR TO THE ARM. COST OF THE DAMPENING DEVICE IS INCLUDED IN THE MAST ARM PAY ITEM.
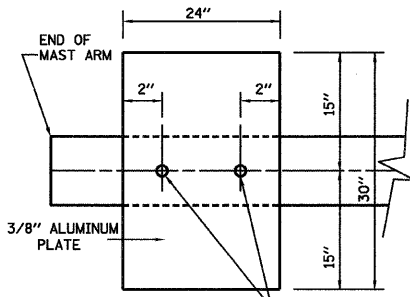
END OF MAST ARM
3/8" ALUMINUM PLATE
2-5/8" STAINLESS STEEL BOLTS THROUGH STAINLESS STEEL BANDING

NOTE:
MOUNT DAMPENING PLATE TO END OF EACH TRAFFIC SIGNAL MAST ARM.

DAMPENING PLATE DETAIL - TOP VIEW

LAFAYETTE STREET

TYPE ZZ SHEETING REQUIRED
8" D SERIES LETTERS
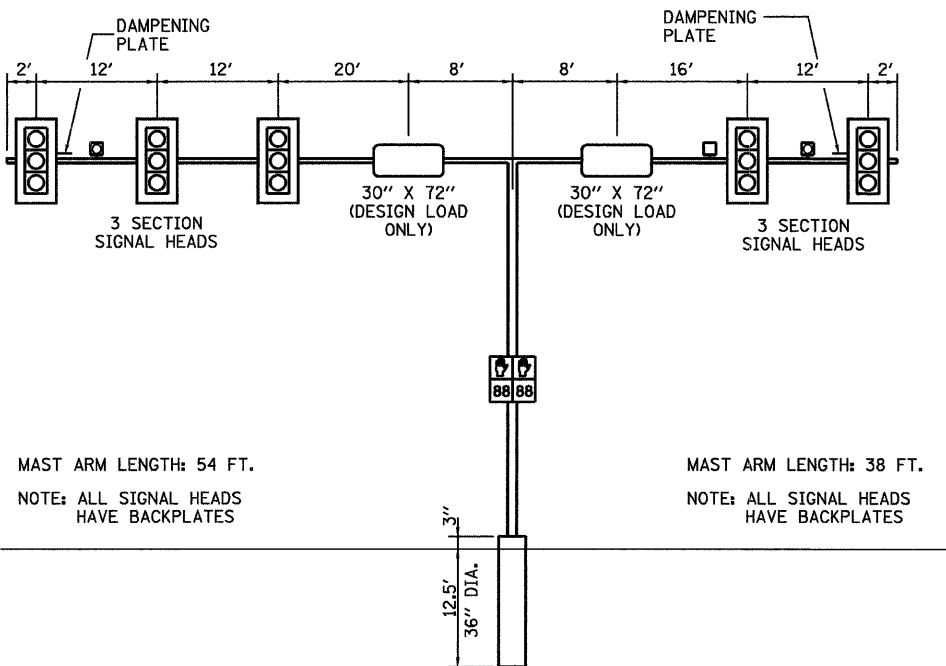1 SIGNS REQUIRED = 15 SQ. FT. EACH
= 15 SQ. FT. TOTAL

THIS STREET NAME SIGN SHALL BE PLACED ON THE MAST ARMS PARALLEL WITH LAFAYETTE STREET

IL 23 SOUTH COLUMBUS STREET
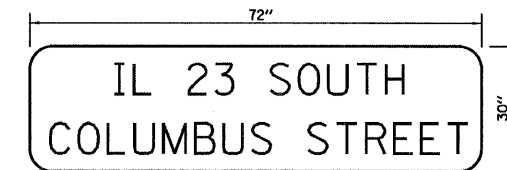
TYPE ZZ SHEETING REQUIRED
8" D SERIES LETTERS (STATE ROUTE LETTERING)
6" D SERIES LETTERS (CITY STREET LETTERING)
2 SIGNS REQUIRED = 15 SQ. FT. EACH
= 30 SQ. FT. TOTAL

THIS STREET NAME SIGN SHALL BE PLACED ON THE MAST ARMS PARALLEL WITH COLUMBUS STREET

DAMPENING PLATE

2' 12' 12' 20' 8' 8' 16' 12' 2'

3 SECTION SIGNAL HEADS
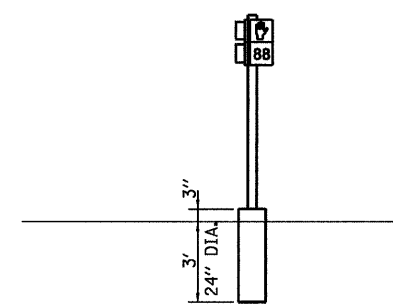30" X 72" (DESIGN LOAD ONLY)
30" X 72" (DESIGN LOAD ONLY)
3 SECTION SIGNAL HEADS

MAST ARM LENGTH: 54 FT.
NOTE: ALL SIGNAL HEADS HAVE BACKPLATES

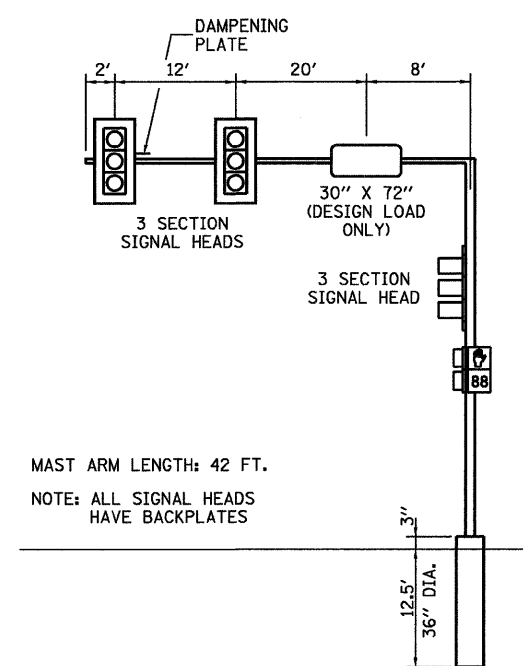MAST ARM LENGTH: 38 FT.
NOTE: ALL SIGNAL HEADS HAVE BACKPLATES

3"
12.5' | 36" DIA.

NORTHBOUND | WESTBOUND

NORTHEAST CORNER
NOT TO SCALE

3"
3' | 24" DIA.

EASTBOUND

SOUTHEAST CORNER
NOT TO SCALE

DAMPENING PLATE

2' 12' 20' 8'

3 SECTION SIGNAL HEADS
30" X 72" (DESIGN LOAD ONLY)

3 SECTION SIGNAL HEAD

MAST ARM LENGTH: 42 FT.
NOTE: ALL SIGNAL HEADS HAVE BACKPLATES

3"
12.5' | 36" DIA.

WESTBOUND

NORTHWEST CORNER
NOT TO SCALE

3"
3' | 24" DIA.

WESTBOUND

SOUTHWEST CORNER
NOT TO SCALE

COLUMBUS STREET (IL 23 NB) / LAFAYETTE STREET

MAST ARM AND POLE SHALL BE DESIGNED FOR THE WORST CASE LOADING CONDITION WHEREBY ALL THE SIGNAL HEADS ARE LOCATED 2 FEET FURTHER OUT THAN POSITION SHOWN. HOWEVER THE INTENT IS THAT ALL SIGNAL HEADS BE CENTERED ABOVE THE LANES.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL DETAILS
FAP 68 (IL 23 NB)/COLUMBUS ST
AND LAFAYETTE STREET
SECTION 35,51 & 48 CS, 1Z)TS
LA SALLE COUNTY

SCALE: VERT.
HORIZ.
DATE 11/08

DRAWN BY ARR
CHECKED BY JLS