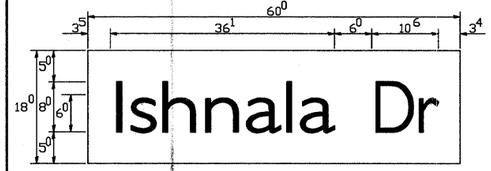
TYPE I

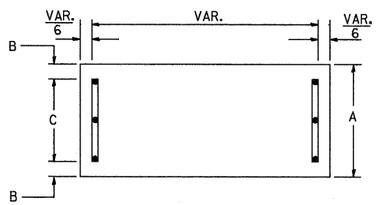


___ Sq. M. each
7.5 Sq. Ft. each
2 Required
Design Series D

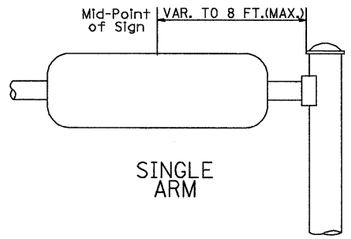
TYPE II

___ Sq. M. each
12.5 Sq. Ft. each
2 Required
Design Series D

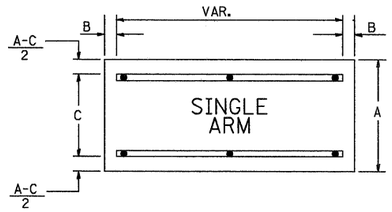
SUPPORTING CHANNELS



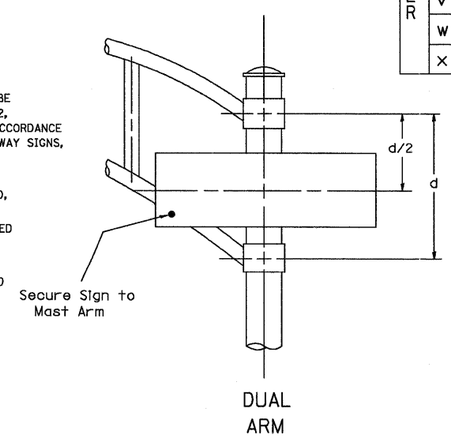
A	B	C
18″	2″	14″



SUPPORTING CHANNELS



A	B	C
18″	2″	12″
30″	2″	22″



GENERAL NOTES

-- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2′-6″ x 8′-0″ MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.

2. ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.

3. THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 8′-0″.

4. ALL BORDERS SHALL BE ¾″ WIDE AND CORNER RADIUS SHALL BE 2-1/4 ″.

5. SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:

* J.O. HERBERT CO.
MIDLOTHIAN, VA.

* WESTERN REMAC INC.
WOODRIDGE, IL.

PARTS LISTING:

SIGN CHANNEL	PART #HPN053 (MED. CHANNEL)
SIGN SCREWS	¼″ x 14 x 1″ H.W.H. #3 SELF TAPPING WITH NEOPRENE WASHER
BRACKETS	PART #HPN034 (UNIVERSAL) CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM
shall be used. See Note #5.

Upper Case To Lower Case
Spacing Chart 8-6 Inch Series "C & D"

FIRST LETTER \ SECOND LETTER	a c d e g o q	b h i k l m n p r u	f w	j	s t	v y	x	z
SERIES	C D	C D	C D	C D	C D	C D	C D	C D
A W X	1² 1⁴	1⁴ 1⁵	1² 1⁴	0⁶ 1⁰	1¹ 1⁴	0⁶ 1⁰	1¹ 1²	1² 1⁴
B	1⁴ 1⁵	2⁰ 2¹	1⁴ 1⁵	1¹ 1²	1⁴ 1⁵	1² 1⁴	1² 1⁴	1⁶ 1⁷
C E G	1⁴ 1⁵	2⁰ 2¹	1² 1⁴	0⁶ 1⁰	1² 1⁴	1² 1⁴	1⁴ 1⁵	1⁴ 1⁵
D O Q R	1⁴ 1⁵	2⁰ 2¹	1⁴ 1⁵	0⁶ 1⁰	1² 1⁴	1² 1⁴	1⁴ 1⁵	1⁴ 1⁵
F	0⁵ 0⁶	1⁴ 1⁵	0⁶ 1⁰	0⁵ 0⁶	0⁶ 1⁰	0⁶ 1⁰	0⁶ 1⁰	1¹ 1²
H I M N	2⁰ 2¹	2² 2⁴	2⁰ 2¹	1⁴ 1⁵	1⁶ 1⁷	1⁶ 1⁷	2⁰ 2¹	2⁰ 2¹
J U	2⁰ 2¹	2⁰ 2¹	1⁶ 1⁷	1⁴ 1⁵	1⁶ 1⁷	1⁶ 1⁷	1⁶ 1⁷	2⁰ 2¹
K L	1¹ 1²	1⁶ 1⁷	1¹ 1²	0⁵ 0⁶	1¹ 1²	1¹ 1²	1¹ 1²	1² 1⁴
P	1² 1⁴	1⁴ 1⁵	1² 1⁴	0⁵ 0⁶	1¹ 1²	1¹ 1²	1² 1⁴	1² 1⁴
S	1² 1⁴	1⁶ 1⁷	1² 1⁴	0⁶ 1⁰	1² 1⁴	1² 1⁴	1² 1⁴	1² 1⁴
T	1¹ 1²	1⁶ 1⁷	0⁶ 1⁰	0⁶ 1⁰	1¹ 1²	1¹ 1²	1¹ 1²	1² 1⁴
V	0⁶ 1⁰	1⁴ 1⁵	1¹ 1²	0⁶ 1⁰	1² 1⁴	1² 1⁴	1² 1⁴	1² 1⁴
Y	0⁵ 0⁶	1⁴ 1⁵	0⁶ 1⁰	0⁵ 0⁶	0⁵ 0⁷	0⁵ 0⁶	0⁶ 1⁰	1¹ 1²
Z	1⁶ 1⁷	2² 2⁴	1⁶ 1⁷	1² 1⁴	1⁶ 1⁷	1⁶ 1⁷	1⁶ 1⁷	2⁰ 2¹

Lower Case To Lower Case
Spacing Chart 6 Inch Series "C & D"

FIRST LETTER \ SECOND LETTER	a c d e g o q	b h i k l m n p r u	f w	j	s t	v y	x	z
SERIES	C D	C D	C D	C D	C D	C D	C D	C D
a d h g l j l m n q u	1⁶ 1⁷	2² 2⁴	1⁶ 1⁷	1² 1⁴	1⁴ 1⁵	1⁴ 1⁵	1⁶ 1⁷	1⁶ 1⁷
b f k o p s	1² 1⁴	1⁶ 1⁷	1¹ 1²	0⁵ 0⁶	1¹ 1²	1¹ 1²	1² 1⁴	1² 1⁴
c e	1² 1⁴	1⁶ 1⁷	1² 1⁴	0⁶ 1⁰	1² 1⁴	1² 1⁴	1² 1⁴	1² 1⁴
r	0⁶ 1⁰	1² 1⁴	0⁶ 1⁰	0³ 0³	0⁵ 0⁶	0⁵ 0⁶	0⁶ 1⁰	0⁶ 1⁰
t z	1² 1⁴	1⁶ 1⁷	1² 1⁴	0⁶ 1⁰	1¹ 1²	1¹ 1²	1² 1⁴	1² 1⁴
v y	1¹ 1²	1⁴ 1⁵	1¹ 1²	0⁵ 0⁶	0⁶ 1⁰	0⁶ 1⁰	1¹ 1²	1¹ 1²
w	1¹ 1²	1⁴ 1⁵	1¹ 1²	0⁵ 0⁶	1¹ 1²	1¹ 1²	1¹ 1²	1² 1⁴
x	1² 1⁴	1⁶ 1⁷	1¹ 1²	0⁵ 0⁶	1¹ 1²	1¹ 1²	1¹ 1²	1² 1⁴

Number To Number
Spacing Chart 8 Inch Series "C & D"

FIRST NUMBER \ SECOND NUMBER	0	1	2	3	4	5	6	7	8	9
SERIES	C D	C D	C D	C D	C D	C D	C D	C D	C D	C D
0 9	1⁶ 1⁷	1⁶ 1⁷	1⁴ 1⁵	1² 1⁴	1⁴ 1⁵	1⁴ 1⁵	1⁶ 1⁷	1² 1⁴	1⁶ 1⁷	1⁶ 1⁷
1	2⁰ 2¹	2⁰ 2¹	2⁰ 2¹	1⁶ 1⁷	1⁴ 1⁵	2⁰ 2¹	2⁰ 2¹	1⁴ 1⁵	2⁰ 2¹	2⁰ 2¹
2 3 4	1⁴ 1⁵	1⁴ 1⁵	1⁴ 1⁵	1² 1⁴	1² 1⁴	1⁴ 1⁵	1⁴ 1⁵	1¹ 1²	1⁶ 1⁷	1⁴ 1⁵
5	1⁴ 1⁵	1⁴ 1⁵	1⁴ 1⁵	1¹ 1²	1¹ 1²	1⁴ 1⁵	1⁴ 1⁵	1¹ 1²	1⁴ 1⁵	1⁴ 1⁵
6	1⁶ 1⁷	1⁴ 1⁵	1⁴ 1⁵	1² 1⁵	1² 1⁴	1⁴ 1⁵	1⁴ 1⁵	1¹ 1²	1⁴ 1⁵	1⁴ 1⁵
7	1² 1⁴	1² 1⁴	1⁴ 1⁵	1² 1⁵	0⁵ 0⁶	1² 1⁴	1⁴ 1⁵	1¹ 1²	1⁴ 1⁵	1² 1⁴
8	1⁶ 1⁷	1⁶ 1⁷	1⁴ 1⁵	1² 1⁵	1² 1⁴	1⁴ 1⁵	1⁶ 1⁷	1² 1⁴	1⁶ 1⁷	1⁴ 1⁵

EXAMPLE, $2^{(3)}$ DENOTES $\frac{3''}{8}$

UPPER AND LOWER CASE LETTER WIDTHS

LETTERS	6 INCH UPPER CASE LETTERS SERIES C	6 INCH UPPER CASE LETTERS SERIES D	8 INCH UPPER CASE LETTERS SERIES C	8 INCH UPPER CASE LETTERS SERIES D	LETTERS	6 INCH LOWER CASE LETTERS SERIES C	6 INCH LOWER CASE LETTERS SERIES D
A	3⁶	5⁰	5⁰	6⁵	a	3⁵	4²
B	3²	4⁰	4³	5³	b	3⁵	4²
C	3²	4⁰	4³	5³	c	3⁵	4¹
D	3²	4⁰	4³	5³	d	3⁵	4²
E	3⁰	3⁵	4⁰	4⁷	e	3⁵	4²
F	3⁰	3⁵	4⁰	4⁷	f	2³	2⁶
G	3²	4⁰	4³	5³	g	3⁵	4²
H	3²	4⁰	4³	5³	h	3⁵	4²
I	0⁷	0⁷	1¹	1²	i	1¹	1¹
J	3⁰	3⁶	4⁰	5⁰	j	2⁰	2²
K	3²	4¹	4³	5⁴	k	3⁵	4²
L	3⁰	3⁵	4⁰	4⁷	l	1¹	1¹
M	3⁷	4⁵	5¹	6¹	m	6⁰	7⁰
N	3²	4⁰	4³	5³	n	3⁵	4²
O	3⁴	4²	4⁵	5⁵	o	3⁶	4³
P	3²	4⁰	4³	5³	p	3⁵	4²
Q	3⁴	4²	4⁵	5⁵	q	3⁵	4²
R	3²	4⁰	4³	5³	r	2⁶	3²
S	3²	4⁰	4³	5³	s	3⁶	4²
T	3⁰	3⁵	4⁰	4⁷	t	2⁷	3²
U	3²	4⁰	4³	5³	u	3⁵	4²
V	3⁵	4⁴	4⁷	6⁰	v	4²	4⁷
W	4⁴	5²	6⁰	7⁰	w	5⁵	6⁴
X	3⁴	4⁰	4⁵	5³	x	4⁴	5¹
Y	3⁶	5⁰	5⁰	6⁶	y	4⁶	5³
Z	3²	4⁰	4³	5³	z	3⁶	4³

NUMBER	6 INCH SERIES C	6 INCH SERIES D	8 INCH SERIES C	8 INCH SERIES D
1	1²	1⁴	1⁵	2⁰
2	3²	4⁰	4³	5³
3	3²	4⁰	4³	5³
4	3⁵	4³	4⁷	5⁷
5	3²	4⁰	4³	5³
6	3²	4⁰	4³	5³
7	3²	4⁰	4³	5³
8	3²	4⁰	4³	5³
9	3²	4⁰	4³	5³
0	3⁴	4²	4⁵	5⁵

NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS

GHA #2806.242

FILE NAME = 2806-240-TR2.dwg	USER NAME = ZACH WALLSTEN	DESIGNED - DAD/BCK	REVISED - DAG 10/28/09	
		DRAWN - BCK	REVISED -	
	PLOT SCALE = 1" = .08'	CHECKED - DAG/DAD	REVISED -	
	PLOT DATE = 11/10/2011	DATE - 03-15-09	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS
MAST ARM MOUNTED STREET NAME SIGNS

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	10-00047-00-TL	COOK	30	24
	TS-02	CONTRACT #: 63626		
	ILLINOIS FED. AID PROJECT			