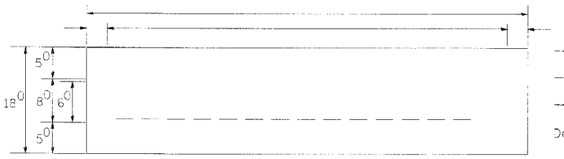
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3751	99-00030-00-PV	WILL	81	28
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

83603

PANEL SIGN DESIGN TYPE 1

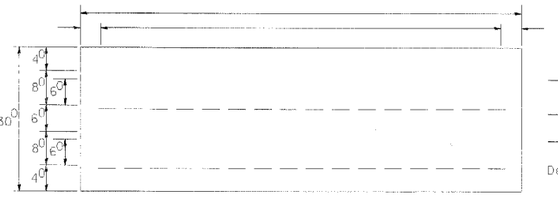
____ Sq. M. each
____ Sq. Ft. each
____ Required
Design Series __



____ Sq. M. each
____ Sq. Ft. each
____ Required
Design Series __

NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS

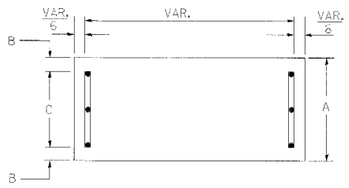
PANEL SIGN DESIGN TYPE 2



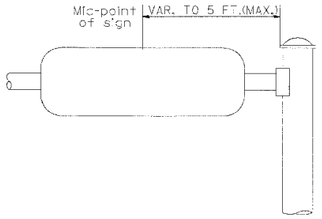
____ Sq. M. each
____ Sq. Ft. each
____ Required
Design Series __

____ Sq. M. each
____ Sq. Ft. each
____ Required
Design Series __

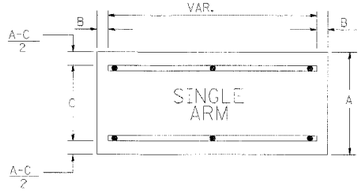
SUPPORTING CHANNELS



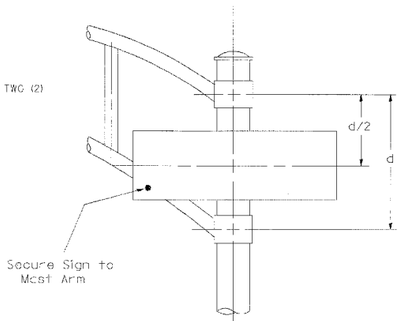
A	B	C
18"	2"	14"



SUPPORTING CHANNELS



A	B	C
18"	2"	12"
30"	2"	22"



DUAL ARM

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

GENERAL NOTES

1. 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 834001, 834006 AND 834011, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 6'-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 2-¼".
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:
   - * A.K.T. CORPORATION, SCHAUMBURG, IL
   - * TUCKER COMPANY, INC., WAUWATOSA, WI
   - * AMERICAN FABRICATION CO., CHICAGO HEIGHTS, IL
   - * WESTERN TRAFFIC CONTROL INC., CICERO, 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.

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

EXAMPLE, 2③ DENOTES 3/8"

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 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 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	0³,0⁵	0⁵,0⁶	0⁵,0⁶	1⁰,0⁶	1⁰,0⁶
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	1²,1⁴	1²,1⁴
x	1²,1⁴	1⁶,1⁷	1¹,1²	0⁵,0⁶	1¹,1²	1¹,1²	1²,1⁴	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	1²,1⁴	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

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	4²	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

REVISIONS	
NAME	DATE
CREATED	2/79
D.A.Z./ D.A.G.	11/90
	6/98
CADD	10/00

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT 1

MAST ARM MOUNTED STREET NAME SIGNS

SCALE: NONE
DATE 12/19/2002
DRAWN BY TJR
CHECKED BY RFK
TS 2

REVISION DATE: 10/01/00

12/19/2002
K:\dist\stds\02.dgn
V=1.502