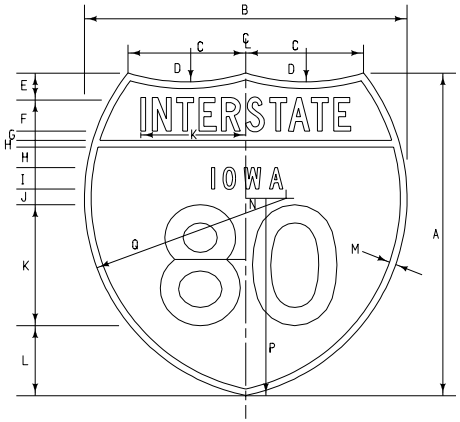
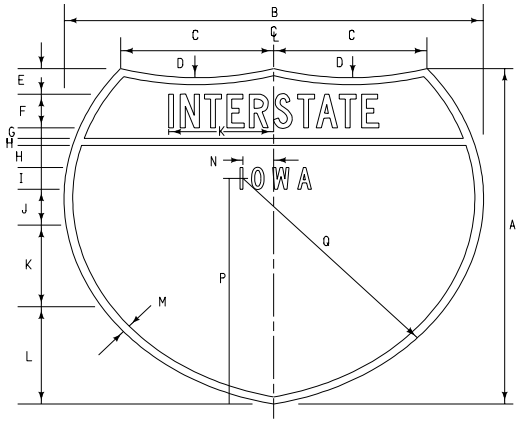


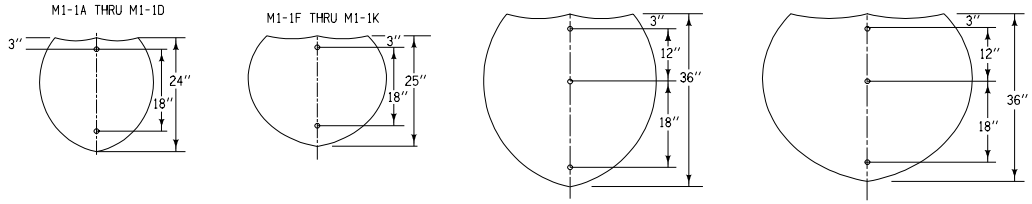


SIGN NO.	SHIELD SIZE	NUMERAL SIZE	No. Digits	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Q	AREA Sq. Ft.
M1-1A M1-1D	24″	8″	2	24	24	8.63	15.00	2.37	2.50	1.00	0.75	1.50	1.38	8 D	5.75	0.75	2.88	14.63	14.88	4.0
M1-1F M1-1K	25″	8″	3	25	30	12.75	17.50	2.37	2.50	1.13	0.75	1.50	2.25	8 D	5.75	0.75	1.75	16.68	16.75	5.2
M1-1AA M1-1DA	36″	12″	2	36	36	12.94	22.50	3.56	3.75	1.50	1.13	2.25	2.06	12 D	8.62	1.13	4.31	21.93	22.31	9.0
M1-1FA M1-1KA	36″	12″	3	36	42	18.37	26.25	3.56	3.75	1.50	1.13	2.25	2.06	12 D	8.62	1.13	4.25	24.87	25.25	10.5

All Dimensions in inches.

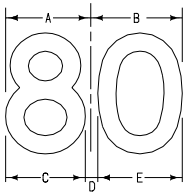
SIGN NO.	LETTER SIZE SERIES	I		N		T		E		R		S		T		A		T		E	K
	1⅞-C	0.26	0.61	1.02	0.23	0.94	0.38	0.94	0.50	1.02	0.38	1.02	0.23	0.94	0.14	1.17	0.14	0.94	0.38	0.94	6.00
M1-1A thru M1-1K	2½-C	0.35	0.81	1.36	0.31	1.25	0.50	1.25	0.65	1.36	0.50	1.36	0.31	1.25	0.18	1.56	0.18	1.25	0.50	1.25	8.00
M1-1AA thru M1-1KA	3¾-C	0.53	1.21	2.04	0.47	1.88	0.75	1.88	1.00	2.04	0.75	2.04	0.47	1.88	0.28	2.34	0.28	1.88	0.75	1.88	12.00

All Dimensions in inches.



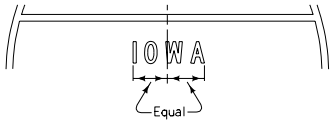
BOLT HOLE LOCATION

All bolt holes 7/16″ diameter



	SIGN NO.	SIZE	ROUTE NO.	DIM. A	DIM. B	DIM. C	DIM. D	DIM. E	DIM. F	DIM. G
2 DIGIT	M1-1A	24″	29	6.00	6.25	5.38	1.50	5.37		
	M1-1B		35	6.25	6.39	5.38	1.88	5.38		
	M1-1C		74	6.13	6.13	5.38	1.00	5.88		
	M1-1D		80	6.25	6.25	5.38	1.50	5.62		
3 DIGIT	M1-1F	25″	235	8.75	9.90	5.38	1.13	5.38	1.37	5.38
	M1-1G		280	8.88	10.00	5.38	1.25	5.38	1.25	5.62
	M1-1H		380	9.69	9.69	5.38	1.50	5.38	1.50	5.62
	M1-1J		480	9.94	9.94	5.38	1.50	5.38	1.50	5.62
	M1-1K		680	9.69	9.69	5.38	1.50	5.38	1.50	5.62
2 DIGIT	M1-1AA	36″	29	9.00	9.38	8.06	2.25	8.06		
	M1-1BA		35	9.43	9.50	8.06	2.81	8.06		
	M1-1CA		74	9.18	9.18	8.06	1.50	8.81		
	M1-1DA		80	9.38	9.37	8.06	2.25	8.44		
3 DIGIT	M1-1FA	36″	235	12.87	14.50	8.06	1.68	8.06	1.50	8.06
	M1-1GA		280	12.87	14.50	8.06	1.50	8.06	1.31	8.44
	M1-1HA		380	14.16	14.16	8.06	1.88	8.06	1.88	8.44
	M1-1JA		480	15.75	13.25	8.81	1.85	8.06	1.84	8.44
	M1-1KA		680	14.50	14.56	8.06	2.25	8.06	2.25	8.44

All dimensions in inches.



SIGN NO.	SHIELD SIZE	I		O		W		A
M1-1A M1-1K	24″ 25″	0.23	0.50	1.05	0.50	1.31	0.25	1.25
M1-1AA M1-1KA	36″	0.34	1.00	1.57	1.00	1.97	0.50	1.87

All dimensions in inches.

EXPLANATION OF DIMENSIONS

A - Height of shield.
B - Width of shield.
C - Distance from center line to top outside edge of shield.
D - Radius for top outside of shield.
E - Distance from top of shield to top of 'interstate' legend.
F - Height of 'interstate' legend.
G - Distance from bottom of interstate legend to top of dividing horizontal strip.
H - Width of horizontal strip and distance from horizontal strip to top of 'Iowa' legend.
I - Height of 'Iowa' legend.
J - Distance from bottom of Iowa legend to top of route numerals.
K - Height of route numerals and distance from center line of shield to left edge of 'interstate' legend.
L - Distance from bottom of route numerals to outside bottom of shield.
M - Border width.
N - Horizontal distance from center line of shield to interior radius points for dimension 'Q'.
P - Vertical distance from outside bottom edge of shield to interior radius points for dimension 'Q'.
Q - Radius for outside edge of shield.

LEGEND SPECIFICATIONS

'Interstate' shall be in B.P.R. series 'C' letters.

'Iowa" shall be in B.P.R. series 'D' letters.

Route numbers shall be in B.P.R. series 'D' numerals.

COLOR SPECIFICATIONS

Letters, numerals and border shall be smooth, silver, reflective sheeting.

Background for route number and state name shall be smooth, blue, reflective sheeting.

Background for interstate legend shall be smooth, red, reflective sheeting.

Exact colors and details of fabrication shall be as stipulated in specifications.

Iowa Department of Transportation
Highway Division

STANDARD ROAD PLAN | **RD-40**

REVISION: NEW

REVISION NO. NEW

REVISION DATE 04-15-03

William G. Stein
APPROVED BY DESIGN METHODS ENGINEER

TYPE 'A' INTERSTATE ROUTE MARKERS
(INDEPENDENT USE)