

### Pavement Marking Character Areas

Areas are in square feet.

Pavement letters are 96" tall.

Character	Installed Area	Removal Area	Message	Installed Area	Removal Area
A	= 5.22	10.27	ONLY	= 20.63	49.07
B	= 7.25	10.27	PED	= 17.76	36.13
C	= 4.79	10.27	SCHOOL	= 32.49	74.93
D	= 6.26	10.27	SIGNAL	= 30.31	64.67
E	= 6.26	10.27	STOP	= 20.96	49.07
F	= 4.61	10.27	XING	= 20.10	38.80
G	= 5.89	10.27	YIELD	= 22.71	51.73
H	= 5.94	10.27		= 15.45 <sup>①</sup>	48.00 <sup>②</sup>
I	= 2.56	2.67		= 12.20	33.25
J	= 3.56	10.27		= 30.09 <sup>①</sup>	91.83 <sup>③</sup>
K	= 5.96	10.27		= 26.87	88.00
L	= 3.79	10.27		= 37.10 <sup>①</sup>	139.33 <sup>④</sup>
M	= 7.12	10.27		= 22.29	53.33
N	= 6.96	10.27		= 41.88	104.50
O	= 6.04	10.27		= 9.75	30.00
P	= 5.24	10.27		= 0.75	1.50
Q	= 6.30	10.27		= 3.00	6.00
R	= 6.11	10.27		= 2.66	8.00
S	= 5.89	10.27		= 5.98	18.00
T	= 3.79	10.27		= 10.63	32.00
U	= 5.75	10.27		= 8.51	31.11
V	= 4.69	10.27		= 4.43	10.45
W	= 6.96	10.27		= 4.43	10.45
X	= 4.69	10.27		= 61.88	148.00
Y	= 3.84	10.27			
Z	= 5.02	10.27			
1	= 2.56	2.67			
2	= 5.68	10.27			
3	= 5.59	10.27			
4	= 5.10	10.27			
5	= 6.18	10.27			
6	= 6.35	10.27			
7	= 3.79	10.27			
8	= 6.76	10.27			
9	= 6.35	10.27			
0	= 6.04	10.27			
			<b>Message Installed</b>	<b>Removal</b>	
			<b>Area</b>	<b>Area</b>	
AHEAD	= 28.90	62.00			
BIKE	= 22.03	38.80			
LANE	= 22.23	49.07			

**NOTES:**

ALL REMOVAL AREAS ARE COMPUTED AS RECTANGLES AS REQUIRED BY SPEC. 2102.

① IF THE ROUNDABOUT DOT IS INSTALLED, ADD 1.47 SQ FT TO THE INSTALLED AREA.

② IF THE ROUNDABOUT DOT IS PRESENT, ADD 3 SQ FT TO THE TOTAL REMOVAL AREA.

③ IF THE ROUNDABOUT DOT IS PRESENT, ADD 6.33 SQ FT TO THE TOTAL REMOVAL AREA.

④ IF THE ROUNDABOUT DOT IS PRESENT, ADD 8.04 SQ FT TO THE TOTAL REMOVAL AREA.

REMOVAL OF BARS FOR RAILROAD CROSSING PAVEMENT MESSAGE PAID FOR AS A LONGITUDINAL LINE AS REQUIRED BY SPEC 2102.

BARS FOR RAILROAD CROSSING PAVEMENT MESSAGE PAID FOR AS 24" SOLID LINE.

### Contrast Pavement Marking Character Areas

Areas are in square feet.

Pavement letters are 96" tall.

Character	Installed Area	Removal Area	Message	Installed Area	Removal Area
A	= 8.25	12.65	ONLY	= 30.59	52.66
B	= 10.60	12.65	PED	= 27.15	39.32
C	= 7.59	12.65	SCHOOL	= 54.69	79.34
D	= 9.90	12.65	SIGNAL	= 48.47	71.50
E	= 9.12	12.65	STOP	= 35.67	52.66
F	= 7.15	12.65	XING	= 33.46	44.82
G	= 9.37	12.65	YIELD	= 36.60	58.16
H	= 10.00	12.65		= 19.06 <sup>①</sup>	49.77 <sup>②</sup>
I	= 4.70	4.81		= 15.53	36.56
J	= 6.02	12.65		= 36.52 <sup>①</sup>	96.88 <sup>③</sup>
K	= 9.83	12.65		= 32.80	92.81
L	= 6.17	12.65		= 45.62 <sup>①</sup>	145.31 <sup>④</sup>
M	= 11.36	12.65		= 27.46	57.06
N	= 11.31	12.65		= 48.12	110.69
O	= 9.57	12.65		= 1.36	2.19
P	= 8.14	12.65		= 4.13	7.31
Q	= 9.89	12.65		= 13.83	33.69
R	= 9.78	12.65		= 5.35	9.56
S	= 8.67	12.65		= 10.36	20.31
T	= 6.17	12.65		= 16.42	35.06
U	= 9.53	12.65		= 17.98	34.34
V	= 7.98	12.65		= 8.81	12.13
W	= 10.52	12.65		= 77.10	157.00
X	= 8.07	12.65			
Y	= 6.71	12.65			
Z	= 7.66	12.65			
1	= 4.70	4.81			
2	= 8.29	12.65			
3	= 8.47	12.65			
4	= 7.99	12.65			
5	= 9.13	12.65			
6	= 9.38	12.65			
7	= 6.19	12.65			
8	= 10.06	12.65			
9	= 9.38	12.65			
0	= 9.57	12.65			
Message Installed Area		Removal Area			
AHEAD	= 45.51	66.00			
BIKE	= 34.26	44.82			
LANE	= 34.85	52.66			

**NOTES:**

ALL REMOVAL AREAS ARE COMPUTED AS RECTANGLES AS REQUIRED BY SPEC. 2102.

① IF THE ROUNDABOUT DOT IS INSTALLED, ADD 2.06 SQ FT TO THE INSTALLED AREA.

② IF THE ROUNDABOUT DOT IS PRESENT, ADD 3 SQ FT TO THE TOTAL REMOVAL AREA.

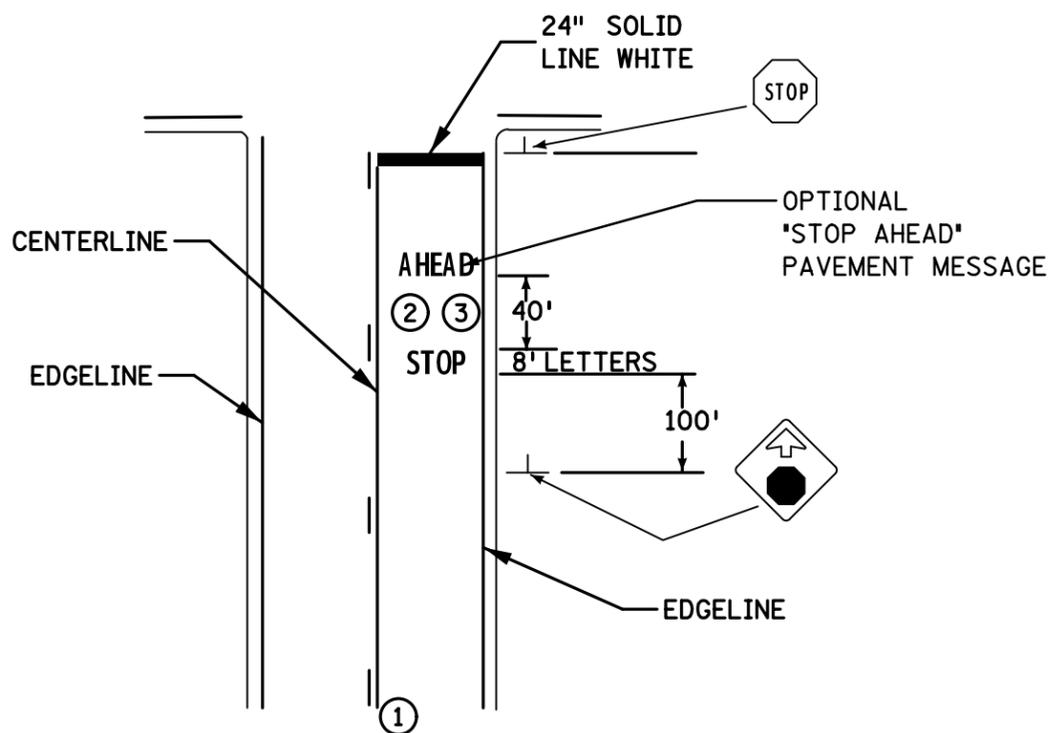
③ IF THE ROUNDABOUT DOT IS PRESENT, ADD 6.33 SQ FT TO THE TOTAL REMOVAL AREA.

④ IF THE ROUNDABOUT DOT IS PRESENT, ADD 8.04 SQ FT TO THE TOTAL REMOVAL AREA.

REMOVAL OF BARS FOR RAILROAD CROSSING PAVEMENT MESSAGE PAID FOR AS A LONGITUDINAL LINE AS REQUIRED BY SPEC 2102.

BARS FOR RAILROAD CROSSING PAVEMENT MESSAGE PAID FOR AS 24" SOLID LINE.

## STOP LINE AND "STOP AHEAD"



### NOTES:

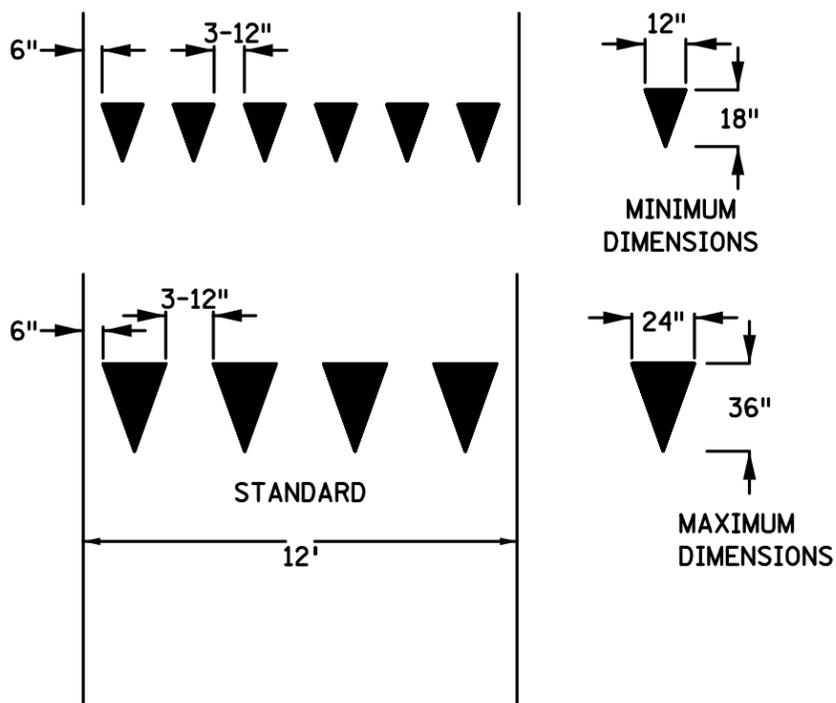
SIGN LOCATION FOR REFERENCE ONLY.

1. THE STOP LINE SHOULD ORDINARILY BE PLACED 4 FT IN ADVANCE OF AND PERPENDICULAR TO THE NEAREST CROSSWALK LINE. IN THE ABSENCE OF A MARKED CROSSWALK, THE STOP LINE SHOULD BE PLACED AT THE DESIRED STOPPING POINT, AND IN NO CASE NO MORE THAN 30 FT OR LESS THEN 4 FT FROM THE NEAREST EDGE OF THE INTERSECTING CURB LINE OR THE NEAR EDGE OF THE THRU LANE.
2. IF A STOP LINE IS USED IN CONJUNCTION WITH A STOP SIGN, IT SHOULD ORDINARILY BE PLACED IN LINE WITH THE STOP SIGN. HOWEVER, IF THE SIGN CANNOT BE LOCATED EXACTLY WHERE VEHICLES ARE EXPECTED TO STOP. THE STOP LINE SHOULD BE PLACED AT THE STOPPING POINT.
3. PAY FOR STOP LINE AS 24" SOLID LINE WHITE.

### DESIGNER NOTES:

- ① USE TABLE 7.4 IN THE TEM TO DETERMINE THE MINIMUM LENGTH OF A NO PASSING ZONE IN ADVANCE OF A STOP CONDITION.
- ② THE USE OF THE "STOP AHEAD" PAVEMENT MESSAGE SHALL BE BASED ON ENGINEERING JUDGEMENT.
- ③ IF USED, PLACE ONLY ONE SET OF STOP AHEAD PAVEMENT MESSAGES. IF A STOP AHEAD SIGN NEEDS TO BE PLACED MORE THAN 1000 FT FROM THE STOP SIGN, CONTACT THE DISTRICT TRAFFIC ENGINEER TO DETERMINE IF, AND WHERE, A SECOND SET OF "STOP AHEAD" PAVEMENT MESSAGES SHOULD BE PLACED.

## RECOMMENDED YIELD LINE LAYOUT

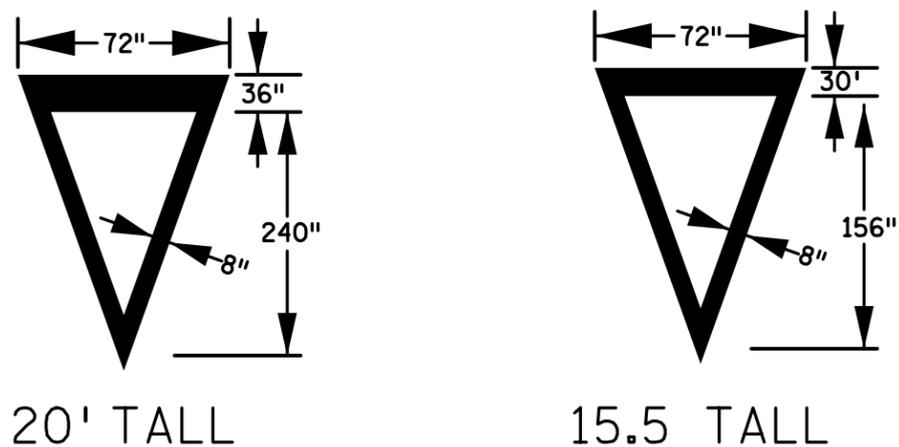


### DESIGNER'S NOTES:

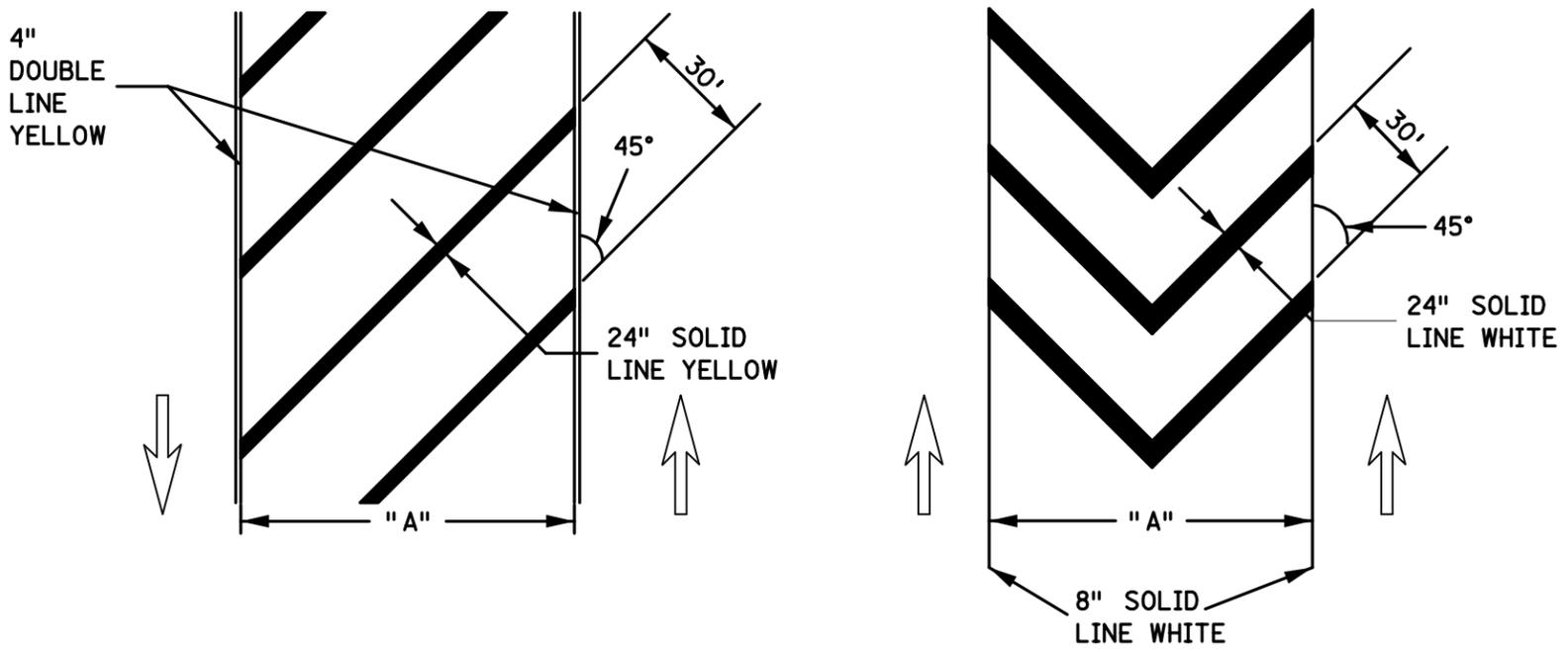
TRIANGLE HEIGHT IS EQUAL TO 1.5 TIMES THE BASE DIMENSION

12" X 18" YIELD LINES MAY BE PLACED ON NARROWER OR SLOW-SPEED FACILITIES SUCH AS SHARED-USE PATHS

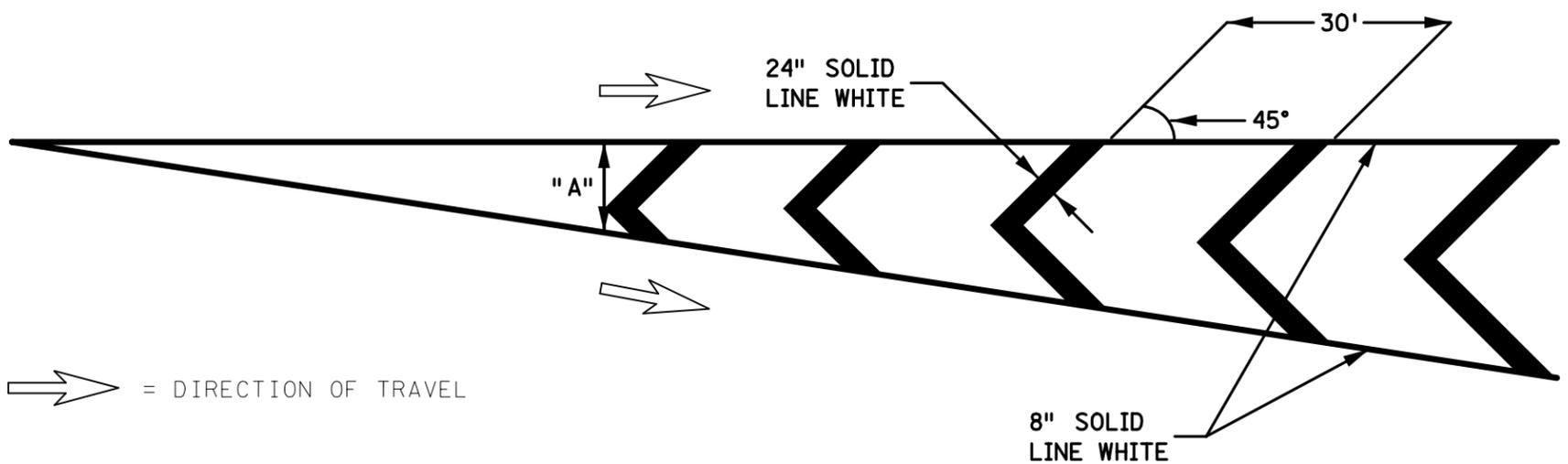
## YIELD AHEAD PAVEMENT MARKING



## CROSSHATCHING



WHEN "A" IS LESS THAN 4' NO CROSSHATCHING REQUIRED.



**DESIGNER'S NOTES:**

AT SPEEDS LESS THAN 45 MPH THE WIDTH OF THE CROSSHATCH LINE MAY BE REDUCED TO 12" AND SPACING MAY BE REDUCED TO 20'.