

## 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		= 61.88	148.00
X	= 4.69	10.27			
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>					
	Area	Removal Area			
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.

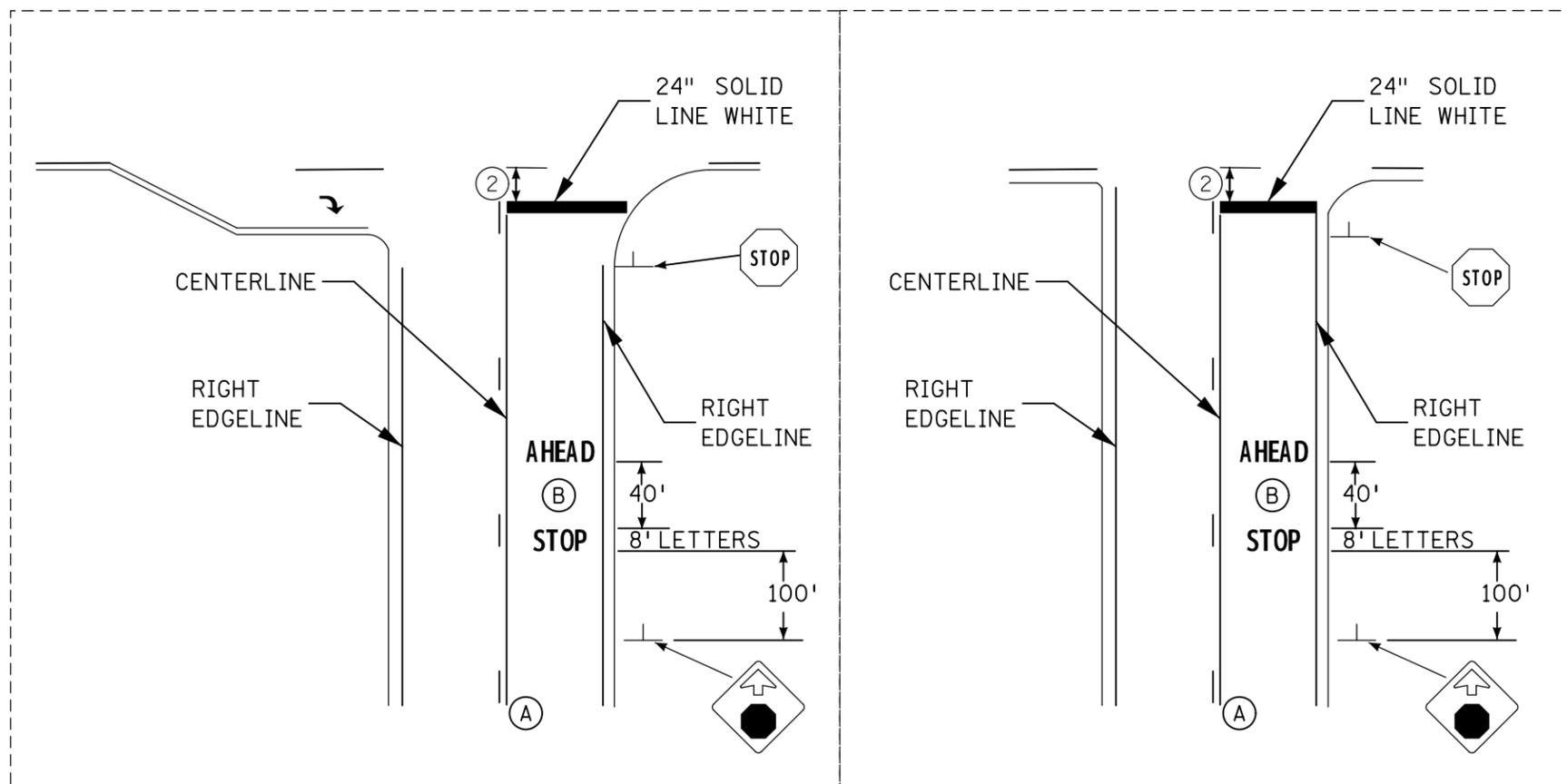
③ IF THE ROUNDABOUT DOT IS PRESENT, ADD 6.33 SQ FT TO THE TOTAL REMOVAL AREA.

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;

1. SIGN LOCATION FOR REFERENCE ONLY.

- ② IF STOP LINES ARE USED WITH A CROSSWALK, THE STOP LINE SHOULD BE PLACED A MINIMUM OF 4 FEET 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, BUT SHOULD NOT BE PLACED MORE THAN 30 FEET OR LESS THAN 4 FEET FROM THE NEAREST EDGE OF THE INTERSECTING FACE OF CURB, THE NEAR EDGE OF THE THRU LANE, OR THE EDGE OF PAVED SURFACE.

3. STOP LINE SHALL CONSIST OF SOLID WHITE LINES EXTENDING ACROSS ALL APPROACH LANES.

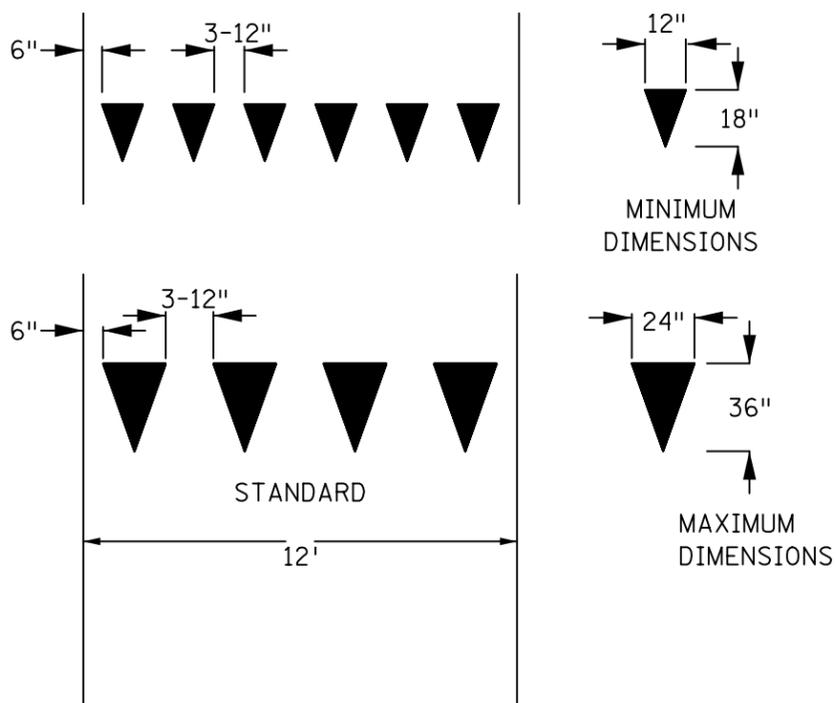
4. PAY FOR STOP LINE AS A 24" SOLID LINE WHITE.

### DESIGNER NOTES:

- (A) USE TABLE 7.4 IN THE TEM TO DETERMINE THE MINIMUM LENGTH OF A NO PASSING ZONE IN ADVANCE OF A STOP CONDITION.
- (B) THE "STOP AHEAD" PAVEMENT MESSAGE MAY BE USED AS DETERMINED BY ENGINEERING JUDGEMENT TO SUPPLEMENT THE STOP AHEAD WARNING SIGN. WHEN USED, IT MUST BE IN CONJUNCTION WITH THE (W3-1) STOP AHEAD ADVANCE WARNING SIGN. LOCATION OF THE PAVEMENT MESSAGE IS BASED ON SIGN LOCATION, SEE PERMANENT SIGN PLAN FOR SIGN LOCATION.

FOR STOP LINES AT UNSIGNALIZED MID BLOCK CROSSWALKS, SEE THE "STOP LINE AT UNSIGNALIZED MID BLOCK CROSSWALKS" PAVEMENT MARKING TYPICAL.

## RECOMMENDED YIELD LINE LAYOUT

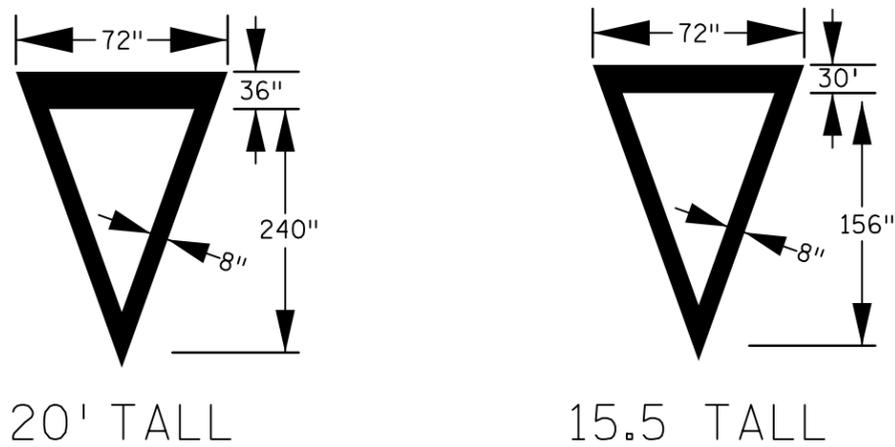


### DESIGNER'S NOTES:

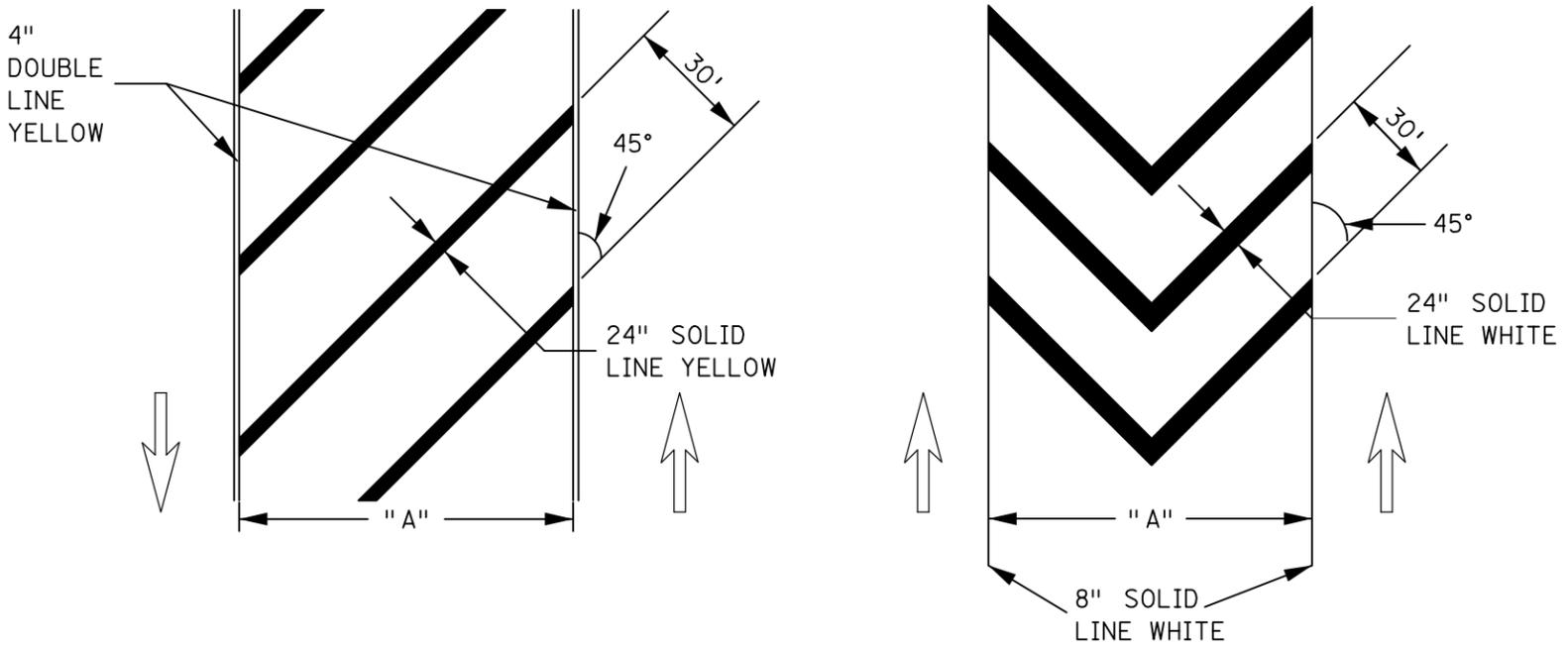
TRIANGLE HEIGHT IS EQUAL TO 1.5 TIMES THE BASE DIMENSION

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

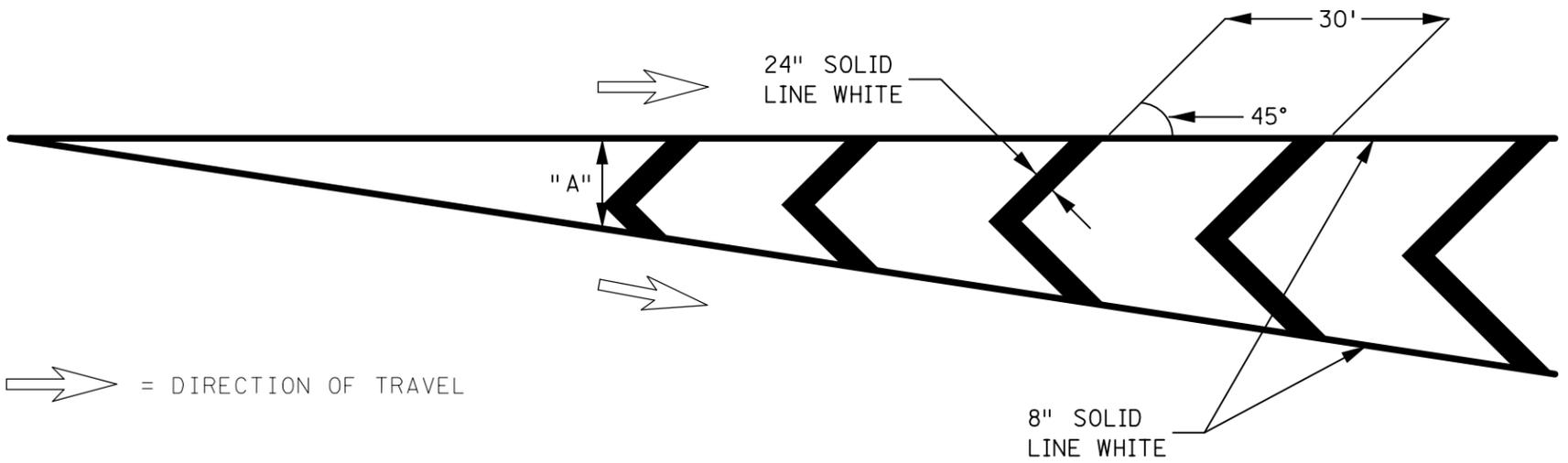
## YIELD AHEAD PAVEMENT MARKING



# 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'.