

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 N-0230-01	2003	65	73

9. WARNING LIGHTS ON SIGNS:

TYPE B HIGH INTENSITY LIGHTS SHALL BE USED ON ALL CONSTRUCTION WARNING ACTION SIGNS. ON ALL OTHER CONSTRUCTION WARNING SIGNS, TYPE B HIGH INTENSITY LIGHTS ARE TO BE USED AS DIRECTED BY THE ENGINEER.

THEY SHALL NOT BE INSTALLED ON SIGNS MOUNTED LESS THAN 1.5 m HIGH ON TEMPORARY SUPPORTS. THEY SHALL BE MAINTAINED SO THAT THEY ARE VISIBLE ON A SUNNY DAY FROM A DISTANCE OF 300 m WHEN VIEWED WITHOUT THE SUN DIRECTLY ON OR BEHIND THE DEVICE. IF A TYPE B LIGHT HAS A SEPARATE BATTERY CASE, THE BATTERY CASE SHALL BE MOUNTED NO HIGHER THAN 300 mm ABOVE THE GROUND AND MOUNTED BEHIND THE SIGN POST. FOR A TYPE B LIGHT, WHERE THE LENS IS MOUNTED TO THE TOP OF THE BATTERY CASE, THE TYPE B LIGHT (LENS AND BATTERY) SHALL BE MOUNTED AT THE TOP OF THE SIGN.

A diagram of a flagstaff assembly. It features a diamond-shaped flagstaff. Two flags are attached to the top corners of the diamond. Each flag is shown at a 45-degree angle to the horizontal. Labels include "FLAGSTAFF" pointing to the diamond, "45°" indicating the angle for both flags, and "FLAG" pointing to one of the flags.

BE 175 C
PREPARED 175 C
TO STOP 175 C

W20-7b
1200 mm x 1200 mm
(BLACK/ORANGE)

	STD. SIZE	EXPWY/FREEWAY
		100 C
	100 C	200 C
	250 E	400 E
	100 D	200 D
R2-5e (BLACK/WHITE)	600 X 900	1200 X 1800

WORK ZONE	75 C	150 C
M4-20 (BLACK/ORANGE)	600 X 150	1200 X 300

NOTE:
TEXT DIMENSIONS ARE IN mm.
BORDER IS BLACK NON-REFLECTIVE.

ADVANCE WARNING SIGN SPACING (IN METERS):

	A	B	C
URBAN (40 MPH OR LOWER)	30	30	30
URBAN (45 MPH OR HIGHER)	100	100	100
RURAL	150	150	150
EXPRESSWAY/FREEWAY	300	450	800

THE SPACING BETWEEN ANY SIGNS MAY BE ADJUSTED
AS APPROVED BY THE ENGINEER IN ORDER
TO MAXIMIZE VISIBILITY.

THE SPACING BETWEEN SIGNS SHALL BE NO LESS THAN 30 m, UNLESS DIRECTED BY THE ENGINEER.

Diagram illustrating the minimum clearance requirements for overhead signs:

- Left Diagram:** Shows a sign with a height of 1.8 m to 3.7 m. The sign must be at least 1.5 m MIN. FROM EDGE OF ROADWAY SURFACE. The sign is mounted on a post, and the bottom of the sign is at least 0.6 m MIN. above the roadway surface.
- Right Diagram:** Shows a sign with a height of 0.6 m MIN. The sign must be at least 1.5 m MIN. FROM TOP OF CURB. The sign is mounted on a post, and the bottom of the sign is at least 0.6 m MIN. above the roadway surface.

* NOTE:

- A. ON EXPRESSWAYS AND FREEWAYS THE DISTANCE BETWEEN THE BOTTOM OF THE SIGN AND THE TOP OF THE NEAR EDGE OF THE ROADWAY SHALL BE AT LEAST 2.1 m.
- A. IN BUSINESS, COMMERCIAL, AND RESIDENTIAL DISTRICTS, THE DISTANCE BETWEEN THE BOTTOM OF THE SIGN AND THE TOP OF THE NEAR EDGE OF THE TRAVEL WAY SHALL BE AT LEAST 2.1 m.
- B. LARGE SIGNS HAVING AN AREA EXCEEDING 5 SQUARE METERS THAT ARE INSTALLED ON MULTIPLE BREAKAWAY POSTS SHALL BE MOUNTED A MINIMUM OF 2.1 m ABOVE THE GROUND.
- C. THE HEIGHT TO THE BOTTOM OF THE SECONDARY SIGN MOUNTED BELOW ANOTHER SIGN MAY BE 0.3 m LESS THAN THE APPROPRIATE HEIGHT SPECIFIED ABOVE.

HEIGHT AND LATERAL DIMENSIONS FOR POST MOUNTED SIGNS
(SIGNS LEFT IN PLACE OVER 3 DAYS)

POSITION OF TYPE B LIGHT WHEN USED
(SEE NOTE 9)

Diagram illustrating the placement of a diamond-shaped advance warning sign for a narrow bridge. The sign is positioned on the shoulder, with its bottom edge 3.7 m from the surface edge. The sign is 0.6 m wide. The distance from the sign to the narrow bridge is indicated as 'VARIES SEE NOTE 4'. The sign is labeled 'ROADWAY' and 'SHOULDER'.

(SEE NOTE 6 FOR ROLL-UP SIGNS OPTION)

HEIGHT AND LATERAL DIMENSIONS FOR SIGNS
MOUNTED ON SKIDS OR OTHER PORTABLE SUPPORTS

3	3-17-03	MODIFIED NOTES	M.H.	S.A.B.
2	9-26-02	MODIFIED NOTES	M.H.	S.A.B.
1	6-11-01	REDUCED MOUNTING HEIGHT	J.H.	S.A.B.
NO.	DATE	REVISIONS	BY	APP'D

KANSAS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SIGNS

TE710SI		9/1/00	
FHWA APPROVAL 3-25-03		APP'D Michael P. McKenna	
DESIGNED L.E.R.	DETAILED B.A.H.	QUANTITIES	TRACED
DESIGN CK.	DETAIL CK.	QUAN. CK.	TRACE CK.

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Plotted By : 00USERNAME00 Thacher Bldg., 4th Floor
Plot File : 00000000000000DGN$SPEC0000000000000000
Plot Date : 000000STIME00000000
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