



INDIANA DEPARTMENT OF TRANSPORTATION

Driving Indiana's Economic Growth

Design Memorandum No. 12-11 Technical Advisory

June 6, 2012

TO: All Design, Operations, and District Personnel, and Consultants

FROM: /s/ David H. Boruff
David H. Boruff
Manager, Office of Traffic Administration
Technical Services Division

SUBJECT: Fluorescent-Yellow Sign Sheeting

ADDS: *Indiana Design Manual Section 75-4.07*

EFFECTIVE: September 12, 2012, Letting

System-wide application of fluorescent-yellow sign sheeting for horizontal alignment warning signs has been proven to enhance motorist recognition of changes in alignment, thereby reducing road-departure crashes. This sheeting should be used as follows.

Fluorescent-yellow sign sheeting should be specified for horizontal-alignment warning signs if the criteria are satisfied as follows.

1. flashing beacons for the horizontal-alignment warning sign are in place or needed;
2. there is a crash history of vehicle departures from the curved alignment;
3. the advisory speed for the curve is at least 15 mph lower than the posted speed in that highway segment; or
4. the district traffic office has determined that the added conspicuity is needed.

The affected sign series are as follows:

1. horizontal alignment, W1-1 through W1-5, W1-10, W1-11, and W1-15;

2. large arrow, W1-6;
3. chevron, W1-8. Additional chevron signs may be needed to satisfy *IMUTCD*, Table 2C-6;
4. advisory speed plaque, W13-1P; *and*
5. advisory exit speed, W13-2; advisory ramp speed, W13-3; and combination advisory exit and ramp speed, W13-6 and W13-7.

Fluorescent-yellow sheeting may be used for other types of warning signs only with approval of the Traffic Administration Office. Such request should be made similarly to a sign design exception. See [Operations Memorandum 06-02](#). A statement should accompany the request regarding the specific need or expected benefit, e.g., motorists are not recognizing the existing warning sign with type IV sheeting and crashes are resulting.

If fluorescent-yellow sign sheeting is required, it should be shown on the plans and sign summary tables, with the suffix FY added to the *MUTCD* sign code for the appropriate signs. The pay items are as follows:

- 802-11573, Sign, Sheet, With Legend, Fluorescent Yellow, 0.080”
- 802-11574, Sign, Sheet, With Legend, Fluorescent Yellow, 0.100”
- 802-11575, Sign, Sheet, With Legend, Fluorescent Yellow, 0.125”

The pay unit is square foot.

INDOT Standard Drawing 802-SNGS-05 has been revised to show the fluorescent-yellow-signs sheeting requirement. It is attached herewith.

DHB/alu
Attachment

KEY

SIGN	REMARKS	BACKGROUND	COPY & BORDER
IGD, GD	Directional	S-3-H	B
IGDO, GD	Directional	S-3-H	B
IGI	Information	S-3-H	B
IGS	Services	S-4-H	B
IGS	Services	S-6-H	S-2-H
IGDO, GDO Special - Panel	Warning Panel	S-1-H	A
R1-1	Stop	S-5-H	S-2-H
R1-2	Yield	S-2-H	S-5-H
R1-3, R1-4	4-Way, All-Way	S-5-H	S-2-H
R2-3	Night Speed	0-1-H	S-2-H
R3-1, R3-2, R3-4	No Right, Left, or U Turns	S-2-H	S-5-H, 0-1-H
R5-1	Do Not Enter	S-5-H	S-2-H
R5-1a	Wrong Way	S-5-H	S-2-H
R5-2, R5-6	No Trucks, Bicycles	S-2-H	S-5-H, 0-1-H
R7-1, R7-4, R7-107, R7-201	No Parking (Urban)	S-2-H	S-5-H
R7-2a, R7-107a	No Parking (Urban)	S-2-H	S-5-H, 0-1-H
R7-5, R7-5a, R7-108	Restricted Parking	S-2-H	S-7-H
R7-8	Reserved Parking	S-2-H	S-7-H, S-6-H
R8-1, R8-1a, R8-2, R8-3, R8-3b, R8-3c, R8-8	No Parking (Rural)	S-2-H	S-5-H
R8-3a	No Parking (Rural)	S-2-H	S-5-H, 0-1-H
R9-3a, R9-4a	Pedestrian Signs	S-2-H	S-5-H, 0-1-H
All other regulatory signs		S-2-H	0-1-H
W3-1a, W3-2a	Stop & Yield Ahead	S-1-H	S-2-H, S-5-H, 0-1-H
W3-3	Signal Ahead	S-1-H	S-5-H, S-7-H, 0-1-H
All other warning signs	Except Construction Signs, School Warning Signs, and Signs labeled as "FY"	S-1-H	0-1-H
Warning Signs labeled as "FY"		S-10-H	0-1-H
All School Warning Signs		S-11-H	0-1-H
M1-1	Interstate Shields	S-8-H	S-2-H
M1-2, M1-3	Business Shields	S-7-H	S-2-H
M1-4	U.S. Shields	S-2-H	0-1-H
M1-5	County Shields	S-4-H	S-1-H
M1-6	State Shields	S-2-H	0-1-H
M1-7	National Forest	△	S-2-H

CODE	DESCRIPTION
0-1-H	Paint (Black) for use with prismatic reflective sheeting
S-1-H	Reflective sheeting (Yellow) prismatic
S-2-H	Reflective sheeting (Silver) prismatic
S-3-H	Reflective sheeting (Green) prismatic
S-4-H	Reflective sheeting (Blue) prismatic
S-5-H	Reflective sheeting (Silver with reverse screen transparent Red) prismatic
S-6-H	Reflective sheeting (Silver with reverse screen transparent Blue) prismatic
S-7-H	Reflective sheeting (Silver with reverse screen transparent Green) prismatic
S-8-H	Reflective sheeting (Silver with reverse screen transparent Red and Blue) prismatic
S-9-H	Reflective sheeting (Orange) prismatic
S-10-H	Reflective sheeting (Fluorescent Yellow), prismatic
S-11-H	Reflective sheeting (Fluorescent Yellow-Green), prismatic
A	Cut - Out letters which are painted black or as per specifications
B	Copy as per specifications
△	Brown background with prismatic reflective sheeting

SIGN IDENTIFICATION CODES

- IGDO Interstate guide directional overhead
- IGD Interstate guide directional
- IGS Interstate guide service and rest area
- IGI Interstate guide information
- GDO Guide directional overhead
- GD Guide directional
- R Regulatory sign
- W Warning, construction, & maint. signs
- M Route markers and aux. markers for assemblies
- D Destination sign
- I Information

INDIANA DEPARTMENT OF TRANSPORTATION	
SIGN REFLECTORIZATION SCHEDULE	
SEPTEMBER 2012	
STANDARD DRAWING NO.	E 802-SNGS-05
	/s/ <i>Richard L. VanCleave</i> 09/04/12 SUPERVISOR, ROADWAY STANDARDS DATE
	/s/ <i>Mark A. Miller</i> 09/04/12 CHIEF ENGINEER DATE