



INDIANA DEPARTMENT OF TRANSPORTATION

Driving Indiana's Economic Growth

Design Memorandum No. 09-26 Technical Advisory

December 1, 2009

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

FROM: /s/ Todd Shields
Todd Shields
Manager, Office of Technical Services
Highway Operations Division

SUBJECT: Sign-Sheeting Material and Overhead-Sign Lighting

REVISES: *Indiana Design Manual* Sections 75-2.02, and 75-2.03 item 1

SUPERSEDES: Design Memorandum 09-04 Technical Advisory

EFFECTIVE: January 13, 2010, Letting

I. SIGN-SHEETING MATERIAL

Sign-sheeting material will consist of that shown in Recurring Special Provision 802-T-171, and Recurring Plan Detail 802-T-171d, both attached herewith. Identification of such material as encapsulated or enclosed lens is no longer required on the plans or in the pay-item names.

A. Sheet Signs

The sheeting thickness for a sheet sign mounted onto a panel sign is always 0.080 in. (2.03 mm). The new pay-item code numbers and names are as follows:

802-09838	Sign, Sheet, With Legend, 0.080 in.
	Sign, Sheet, With Legend, 2.03 mm

802-09840	Sign, Sheet, With Legend, 0.100 in. Sign, Sheet, With Legend, 2.54 mm
802-09842	Sign, Sheet, With Legend, 0.125 in. Sign, Sheet, With Legend, 3.18 mm
802-09837	Sign, Sheet, Double Faced, With Legend, 0.080 in. Sign, Sheet, Double Faced, With Legend, 2.03 mm
802-09839	Sign, Sheet, Double Faced, With Legend, 0.100 in. Sign, Sheet, Double Faced, With Legend, 2.54 mm
802-09841	Sign, Sheet, Double Faced, With Legend, 0.125 in. Sign, Sheet, Double Faced, With Legend, 3.18 mm

B. Panel Signs

The pay item 802-07057, Sign, Panel, With Legend, remains valid for both ground-mounted and overhead signs.

The plans' Sign and Post Summaries' column headings have been revised accordingly. Quantities should be placed in each column's appropriate boxes. The pay unit for all signs remains square foot (square meter).

II. OVERHEAD-SIGN LIGHTING

Sign lighting and related appurtenances such as a sign walkway as described in *Indiana Design Manual* Section 75-2.03, will not be required for an overhead-sign or box-truss structure, and should not be shown on the plans.

However, conduit should continue to be specified to be installed in the foundations. A structure handhole should continue to be specified to be placed toward the base of the sign support. A grounding system should continue to be specified. These features should no longer be specified beginning with the April 2012 letting.

Sign-structure mounting height should continue to be specified as described in Section 75-2.03, if a lighting-support assembly or walkway must be retrofitted.

ts: alu

802-T-171 SIGN SHEETING MATERIAL

(Revised 11-19-09)

The Standard Specifications are revised as follows:

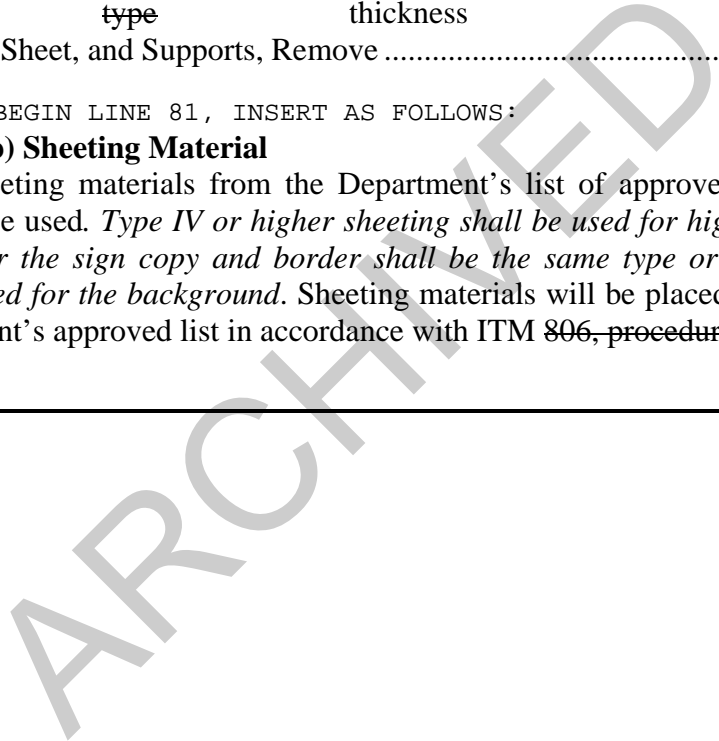
SECTION 802, BEGIN LINE 325, DELETE AS FOLLOWS:

Sign, Double Faced, Sheet, _____, With Legend, _____	SFT (m2)
type thickness	
Sign, Overhead, Remove.....	EACH
Sign, Panel, With Legend.....	SFT (m2)
Sign, Panel, Relocate.....	EACH
Sign, Panel, Remove	EACH
Sign, Sheet Assembly, Relocate.....	EACH
Sign, Sheet, _____, With Legend, _____	SFT (m2)
type thickness	
Sign, Sheet, and Supports, Remove	EACH

SECTION 919, BEGIN LINE 81, INSERT AS FOLLOWS:

(b) Sheeting Material

Only sheeting materials from the Department's list of approved Sign Sheeting Materials shall be used. *Type IV or higher sheeting shall be used for highway signs. The sheeting type for the sign copy and border shall be the same type or higher than the sheeting type used for the background.* Sheeting materials will be placed and maintained on the Department's approved list in accordance with ITM 806, procedure G 930.



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
Special IGDO, GDO	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 Limit	0-1-H	S-2-H
R3-1 R3-2, R3-4	No Right, Left, or U Turn	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, No 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 Ahead, 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	S-1-H	0-1-H
M1-1, M1-1a	Interstate route	S-8-H	S-2-H
M1-2, M1-2a, M1-3, M1-3a	Business route	S-7-H	S-2-H
M1-4, M1-4a	U.S. route	S-2-H	0-1-H
M1-5	State route	S-2-H	0-1-H
M1-6, M1-6a	County route	S-4-H	S-1-H
M1-7	National Forest route	△	S-2-H

KEY

CODE	DESCRIPTION
0-1-H	Paint (Black)
S-1-H	Prismatic sheeting (Yellow)
S-2-H	Prismatic sheeting (Silver)
S-3-H	Prismatic sheeting (Green)
S-4-H	Prismatic sheeting (Blue)
S-5-H	Prismatic sheeting (Silver with reverse screen transparent Red)
S-6-H	Prismatic sheeting (Silver with reverse screen transparent Blue)
S-7-H	Prismatic sheeting (Silver with reverse screen transparent Green)
S-8-H	Prismatic sheeting (Silver with reverse screen transparent Red and Blue)
S-9-H	Prismatic sheeting (Orange)
A	Cutout letters which are painted black or as per specifications
B	Copy as per specifications
△	Brown background

SIGN IDENTIFICATION CODES

- IGD Interstate guide directional
- IGDO Interstate guide directional overhead
- IGI Interstate guide information
- IGS Interstate guide service and rest area
- GD Guide directional
- GDO Guide directional overhead
- R Regulatory sign
- W Warning, construction or maint. sign
- M Route sign or aux. sign for assembly

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SIGN REFLECTORIZATION SCHEDULE