ARTICLE 9. TRAFFIC CONTROL DEVICES FOR HIGHWAYS

NOTE: Department of Highways was transferred to Indiana Department of Transportation. Whenever in any promulgated rule text there appears a reference to Department of Highways, substitute Indiana Department of Transportation.

Rule 1. Interstate Highway Systems

105 IAC 9-1-1 Stopping, standing, or parking prohibited on interstate highways

Authority: IC 8-23-2; IC 8-23-4
Affected: IC 9-21-8; IC 9-21-16

Sec. 1. Stopping, standing, or parking shall be prohibited on enumerated highways:
(1) I-64;
(2) I-65;
(3) I-69;
(4) I-70;
(5) I-74;
(6) I-80;
(7) I-90;
(8) I-94;
(9) I-164;
(10) I-265;
(11) I-275;
(12) I-465;
(13) I-469; and
(14) I-865;
otherwise known as the "Interstate Highway System", including ramp connections, except in designated rest areas. *(Indiana Department of Transportation; Rule 100-78; filed Jan 29, 1979, 3:11 p.m.: 2 IR 296; readopted filed Nov 7, 2001, 3:20 p.m.: 25 IR 899; filed Sep 5, 2003, 8:26 a.m.: 27 IR 451) NOTE: Transferred from Department of Highways (120 IAC 4-2-1) to Indiana Department of Transportation (105 IAC 9-1-1) by P.L.112-1989, SECTION 5, effective July 1, 1989.*

105 IAC 9-1-2 Pedestrians and certain vehicles prohibited on interstate highways

Authority: IC 8-23-6; IC 8-23-4
Affected: IC 9-21-8; IC 9-21-16

Sec. 2. Pedestrians, motorized bicycles, bicycles, and other nonmotorized traffic shall be prohibited from enumerated highways:
(1) I-64;
(2) I-65;
(3) I-69;
(4) I-70;
(5) I-74;
(6) I-80;
(7) I-90;
(8) I-94;
(9) I-164;
(10) I-265;
(11) I-275;
(12) I-465;
(13) I-469; and
(14) I-865;
otherwise known as the "Interstate Highway System". *(Indiana Department of Transportation; Rule 101-78; filed Jan 29, 1979, 3:11 p.m.: 2 IR 296; readopted filed Nov 7, 2001, 3:20 p.m.: 25 IR 899; filed Sep 5, 2003, 8:26 a.m.: 27 IR 452) NOTE: Transferred*

from Department of Highways (120 IAC 4-2-2) to Indiana Department of Transportation (105 IAC 9-1-2) by P.L.112-1989, SECTION 5, effective July 1, 1989.

Rule 2. Uniform Traffic Control Devices

105 IAC 9-2-1 Manual on uniform traffic control devices adopted

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 1. (a) The Millennium Edition of the Manual on Uniform Traffic Control Devices, published by the American Traffic Safety Services Association, the Institute of Transportation Engineers, and the American Association of State Highway and Transportation Officials, and approved by the United States Department of Transportation, Federal Highway Administration, is hereby incorporated by reference and made a part of this rule except those portions as are amended and adopted in sections 3 through 190 of this rule.

(b) This rule shall be known as the Indiana Manual on Uniform Traffic Control Devices for Streets and Highways. *(Indiana Department of Transportation; 105 IAC 9-2-1; filed Sep 28, 1981, 2:30 p.m.: 4 IR 2216, eff Jul 1, 1982; errata, 4 IR 2984; filed Apr 23, 1987, 2:15 p.m.: 10 IR 1850, eff Jan 1, 1988; readopted filed Nov 7, 2001, 3:20 p.m.: 25 IR 899; filed Aug 29, 2003, 3:48 p.m.: 27 IR 7) NOTE: Transferred from Department of Highways (120 IAC 4-3-1) to Indiana Department of Transportation (105 IAC 9-2-1) by P.L.112-1989, SECTION 5, effective July 1, 1989.*

105 IAC 9-2-2 Modification to the 1988 Edition of the Manual on Uniform Traffic Control Devices (Repealed)

Sec. 2. *(Repealed by Indiana Department of Transportation; filed Aug 29, 2003, 3:48 p.m.: 27 IR 52)*

105 IAC 9-2-3 Introduction

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 3. (a) Change the third paragraph on page I-3 of Introduction by deleting "and might constitute a Standard, Guidance, Option, or Support. The user needs to refer to the appropriate text to classify the nature of the figure, table, or illustration".

(b) Amend page I-3 of Introduction by adding the following beneath the last sentence of "1." and above "2.": "1A. The text for the titles of figures, tables, and illustrations appear in bold large type; however, the figure, table, or illustration shall not be construed to be a Standard.". *(Indiana Department of Transportation; 105 IAC 9-2-3; filed Aug 29, 2003, 3:48 p.m.: 27 IR 7)*

105 IAC 9-2-4 Placement and operation of traffic control devices

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 4. Amend Section 1A.04 beneath "Section 1A.04 Placement and Operation of Traffic Control Devices" and above "Guidance:" in the section by adding the following: "Standard: Throughout this manual, dimensions and distances are provided in the International System of Units, and their English units are shown in parenthesis. The International System of Units values are a "soft" conversion of the English System of Units values. All minimum and maximum values noted in a Standard shall be construed as referring to the English System of Units.". *(Indiana Department of Transportation; 105 IAC 9-2-4; filed Aug 29, 2003, 3:48 p.m.: 27 IR 7)*

105 IAC 9-2-5 Definitions of words and phrases

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 5. Amend Section 1A.13 between numbers "87." and "88." by adding the following: "87a. Typical – Refers to general

examples of the conditions being considered. All Figures, Tables, Illustrations, and Applications are considered "Typical" unless specifically denoted in a Standard that the Figure, Table, Illustration, or Application is a part of the Standard. Typical Figures, Tables, Illustrations, and Applications designate situations for normal conditions and shall not be construed as a Standard. All minimum and maximum dimensions, or distances, and locations are for normal conditions and can be varied if there are physical constraints, or local preferences complying with the standards of this manual, which require a modification to the normal conditions.". *(Indiana Department of Transportation; 105 IAC 9-2-5; filed Aug 29, 2003, 3:48 p.m.: 27 IR 7)*

105 IAC 9-2-6 Standardization of application
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 6. Amend Section 2A.03 as follows: (a) After the paragraph beneath "Support:" and above "Guidance:" in the section, add the following paragraph: "Various Transportation Agencies within the State may have their own preferences or standards that comply with the stipulations within this manual. Sign designers are encouraged to verify if the transportation agency, responsible for the roadway of consideration, has such preferences or standards.".

(b) Change the fourth sentence in Section 2A.03 beneath "Guidance:" to read as follows: "Results from traffic engineering studies, or engineering judgment, of physical and traffic factors should indicate the locations where signs are deemed necessary or desirable.". *(Indiana Department of Transportation; 105 IAC 9-2-6; filed Aug 29, 2003, 3:48 p.m.: 27 IR 7)*

105 IAC 9-2-7 Sign borders; section 2A.15
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 7. Amend Section 2A.15 as follows: (a) Change the fifth sentence of the paragraph beneath "Guidance:" in the section by deleting "or on larger signs, 75 mm (3 in) wide".

(b) Beneath the last sentence in the section and above Section 2A.16 add the following: "Option: On larger signs, as determined by engineering judgment, the border may be 75 mm (3 in) wide.". *(Indiana Department of Transportation; 105 IAC 9-2-7; filed Aug 29, 2003, 3:48 p.m.: 27 IR 8)*

105 IAC 9-2-8 Mounting height
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 8. Amend Section 2A.18 as follows: (a) Beneath "Standard:" and above the first paragraph in the section, add the following paragraph: "The following mounting height standards shall be applicable for general conditions. General minimum and maximum mounting height shall apply to sign installations unless otherwise required by other Standards or permitted by other Guidance or Options within this manual.".

(b) Change the preexisting first paragraph in the section to read as follows: "Signs installed at the side of the road in rural districts shall be at least 1.5 m (5 ft), measured from
the bottom of the sign to the level of the near edge of the pavement. Where parking or pedestrian movements occur on an expected recurring basis, the clearance to the bottom of the sign shall be at least 2.1 m (7 ft).".

(c) Change the second sentence of the preexisting second paragraph by deleting "at least 2.4 m (8 ft) and the secondary sign".

(d) Change the second sentence of the preexisting third paragraph by deleting "shall" and inserting "need".

(e) Change the last sentence in Section 2A.18 to read as follows: "Figure 2A – 1 illustrates some of the mounting heights described in this section.". *(Indiana Department of Transportation; 105 IAC 9-2-8; filed Aug 29, 2003, 3:48 p.m.: 27 IR 8)*

105 IAC 9-2-9 Lateral offset
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 9. Amend Section 2A.19 beneath "Standard:" and above the first paragraph in the section by adding the following paragraph: "The following lateral offset standard shall be applicable for general conditions. General minimum and maximum lateral offset shall apply to sign installations unless otherwise required by other Standards or permitted by other Guidance or Options within this manual.". *(Indiana Department of Transportation; 105 IAC 9-2-9; filed Aug 29, 2003, 3:48 p.m.: 27 IR 8)*

105 IAC 9-2-10 Size of regulatory signs
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 10. Amend Section 2B.03 between pages 2B-5 and 2B-6 as follows: (a) after "Table 2B-1. Regulatory Sign Sizes (Sheet 4 of 4)" on page 2B-5, insert the following table:

Page 2B-5A

Indiana Additional Regulatory Signs

SIGN	MUTCD Code	SECTION	CONVENTIONAL	EXPRESSWAYS	FREEWAYS	MINIMUM	OVERSIZED
Trucks over 13 Ton GVWR 60 MPH	R2-Y2	2B.I12			1200 x 1500 (48 x 60)		
Keep Right Except To Pass	R4-Y3a	2B.I27	750 X 900 (30 X 36)	900 X 1200 (36 X 48)	1200 X 1500 (48 X 60)		
Trucks and Vehicles With Trailer Use Right Lane	R4-Y9	2B.I27			3000 x 1200 (120 x 48)		
Trucks and Vehicles With Trailer Use Right Two Lanes	R4-Y10	2B.I27			3000 x 1200 (120 x 48)		
Pedestrians Bicycles Motorized Bicycles Non-Motorized Traffic Prohibited	R5-Y10d	2B.I31			1800 x 900 (72 x 36)		
Snow Emergency Route - No Parking During Snow Emergency - Tow Away Zone	R7-Y9	2B.I34	300 x 450 (12 x 18)				
No Parking WITHIN X Ft of Pavement	R8-Y8	2B.I34	600 x 750 (24 x 30)				
No Stopping Standing or Parking	R8-Y9	2B.I34	750 X 900 (30 X 36)				
Left On Arrow Only	R10-Y5a	2B.I40	600 x 750 (24 x 30)				750 X 900 (30 X 36)
Wait Delayed Signal	R10-Y14	2B.I40	600 x 750 (24 x 30)				750 X 900 (30 X 36)
All Trucks Must Enter Scales Next Right	R13-Y2	2B.I44			3300 x 2400 (132 x 96)		
Fasten Your Safety Belt It's the Law	R16-Y2	2B.I51	1200 x 900 (48 x 36)		2100 x 1500 (84 x 60)		

(b) Beneath "Option:" in the section, between the two (2) preexisting sentences, insert the following sentence: "The size of regulatory signs may be larger than noted in Table 2B-1, for each type of highway.". *(Indiana Department of Transportation; 105 IAC 9-2-10; filed Aug 29, 2003, 3:48 p.m.: 27 IR 8)*

105 IAC 9-2-11 Speed limit sign (R2-1)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 11. Amend Section 2B.11 beneath the next to last sentence and above "Support:" in the section by adding the following sentence: "Where engineering judgment determines that confusion to the motorist could be lessened by providing additional information to the motorist of the specific location of a speed change, a BEGIN plaque may be placed directly above the SPEED LIMIT (R2-1) sign.". *(Indiana Department of Transportation; 105 IAC 9-2-11; filed Aug 29, 2003, 3:48 p.m.: 27 IR 9)*

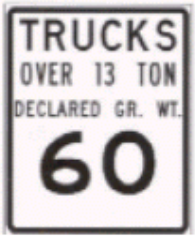
105 IAC 9-2-12 Truck speed limit sign (R2-2)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 12. Amend Section 2B.12 as follows: (a) Change the section heading to read as follows: "Section 2B.12 Truck Speed Limit Sign (R2-2 or R2-Y2)".

(b) Change the sentence beneath "Standard:" in the section to read as follows: "Where a special speed limit applies to trucks or other vehicles, the legend TRUCKS XX or such similar legend shall be shown on the same panel as the Speed Limit sign or on a separate sign (R2-2 or R2-Y2) either below or adjacent to the standard legend.". *(Indiana Department of Transportation; 105 IAC 9-2-12; filed Aug 29, 2003, 3:48 p.m.: 27 IR 9)*

105 IAC 9-2-13 Speed limit sign (R2-Y2)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 13. Amend the sign illustration page on page 2B-15 within Section 2B.14 by adding the following sign:



R2-Y2

(Indiana Department of Transportation; 105 IAC 9-2-13; filed Aug 29, 2003, 3:48 p.m.: 27 IR 9)

105 IAC 9-2-14 Reduced speed ahead signs (R2-5 series)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 14. Amend Section 2B.16 beneath "Option:" in the section by adding a subsection C to read as follows: "C. An assembly consisting of the reduced speed (R2-1), with the supplemental legend plaque AHEAD mounted below the R2-5b or the R2-1 sign may be displayed at locations where the reduction in speed is in excess of 25 km/hr or 15 mph.". *(Indiana Department of Transportation; 105 IAC 9-2-14; filed Aug 29, 2003, 3:48 p.m.: 27 IR 9)*

105 IAC 9-2-15 Intersection lane control signs (R3-5 through R3-8)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 15. Amend Section 2B.18 by changing the sentence beneath "Guidance:" in the section to read as follows: "When used, Single Lane Intersection Lane Control signs should be mounted overhead, and each sign should be placed over a projection of the lane to which it applies.". *(Indiana Department of Transportation; 105 IAC 9-2-15; filed Aug 29, 2003, 3:48 p.m.: 27 IR 10)*

105 IAC 9-2-16 Optional movement lane control sign (R3-6)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 16. Amend Section 2B.20 by changing the second sentence beneath "Standard:" in the section to read as follows: "If used, the Optional Movement Lane Control sign shall be located in the immediate vicinity of the intersection.". *(Indiana Department of Transportation; 105 IAC 9-2-16; filed Aug 29, 2003, 3:48 p.m.: 27 IR 10)*

105 IAC 9-2-17 Do not pass sign (R4-1)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 17. Amend Section 2B.24 by changing the third sentence beneath "Option:" in the section to read as follows: "If signing is used or needed on the left side of the roadway for improved conspicuity, NO PASSING ZONE (W14-3) signs may be used (see Section 2C.32).". *(Indiana Department of Transportation; 105 IAC 9-2-17; filed Aug 29, 2003, 3:48 p.m.: 27 IR 10)*

105 IAC 9-2-18 Pass with care sign (R4-2)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 18. Amend Section 2B.25 by inserting the following: "Support: The PASS WITH CARE Sign is not used in Indiana." and by deleting "Guidance: The PASS WITH CARE (R4-2) sign should be installed at the end of a no-passing zone if a DO NOT PASS sign has been installed at the beginning of the zone.". *(Indiana Department of Transportation; 105 IAC 9-2-18; filed Aug 29, 2003, 3:48 p.m.: 27 IR 10)*

105 IAC 9-2-19 Slower traffic keep right sign (R4-3)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

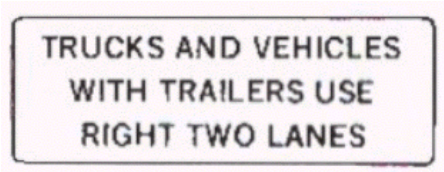
Sec. 19. Amend Section 2B.26 as follows: (a) Change the section heading to read "Section 2B.26 SLOWER TRAFFIC KEEP RIGHT (R4-3) and KEEP RIGHT EXCEPT TO PASS (R4-Y3a) Signs".

(b) Beneath the last paragraph in the section and above Section 2B.27 insert the following: "Option: The KEEP RIGHT EXCEPT TO PASS sign (R4-Y3a) may be used when an additional lane has been provided, on a two-lane two-way roadway, at the right hand side of the roadway on steep hills or long grades.".

(c) Amend the sign illustration page on page 2B-29 within Section 2B.26 by adding the following signs:

R4-Y3a

R4-Y9

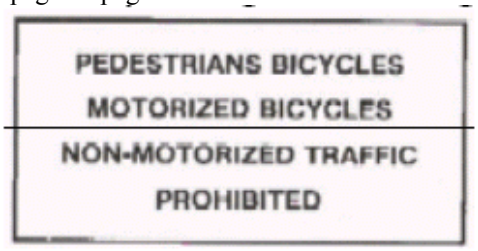


R4-Y10

(Indiana Department of Transportation; 105 IAC 9-2-19; filed Aug 29, 2003, 3:48 p.m.: 27 IR 10)

105 IAC 9-2-20 Sign R5-Y10d
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 20. Amend the sign illustration page on page 2B-32 between Sections 2B.30 and 2B.31 by adding the following sign:



R5-Y10d

(Indiana Department of Transportation; 105 IAC 9-2-20; filed Aug 29, 2003, 3:48 p.m.: 27 IR 11)

105 IAC 9-2-21 One way signs (R6-1 and R6-2)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 21. Amend Section 2B.32 beneath "Guidance:" and above the third sentence in the section by adding the following sentences: "The ONE WAY R6-1 sign should be used for rural applications. The ONE WAY R6-2 sign should be used for urban applications.". *(Indiana Department of Transportation; 105 IAC 9-2-21; filed Aug 29, 2003, 3:48 p.m.: 27 IR 11)*

105 IAC 9-2-22 Design of parking, standing, and stopping signs
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 22. Amend Section 2B.35 as follows: (a) Amend the sign illustration page on page 2B-38 by adding the following sign:

R7-Y9

(b) Amend the sign illustration page on page 2B-39 by adding the following signs:

R8-Y8

R8-Y9

(Indiana Department of Transportation; 105 IAC 9-2-22; filed Aug 29, 2003, 3:48 p.m.: 27 IR 11)

105 IAC 9-2-23 Traffic signal signs (R10-1 through R10-13)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 23. Amend Section 2B.40 by adding the following signs to the sign illustration page on page 2B-46:

R10-Y5a

R10-Y14

(Indiana Department of Transportation; 105 IAC 9-2-23; filed Aug 29, 2003, 3:48 p.m.: 27 IR 11)

105 IAC 9-2-24 Weight limit signs (R12-1 through R12-5)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 24. Amend Section 2B.43 by adding the following beneath the last sentence in the section: "Option: A BRIDGE plaque may be placed over the weight limit (R12 series) sign in the immediate vicinity of the structure where a weight limit applies.". *(Indiana Department of Transportation; 105 IAC 9-2-24; filed Aug 29, 2003, 3:48 p.m.: 27 IR 12)*

105 IAC 9-2-25 Weigh station signs (R13 series)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 25. Amend Section 2B.44 to read as follows: "Guidance: An ALL TRUCKS MUST ENTER SCALES NEXT RIGHT (R13 – Y2) sign should be used to direct appropriate traffic into a weigh station.

The R13-Y2 sign should be supplemented by the D8 series of guide signs (see Section 2D.43).". *(Indiana Department of Transportation; 105 IAC 9-2-25; filed Aug 29, 2003, 3:48 p.m.: 27 IR 12)*

105 IAC 9-2-26 Signs R13-Y2 and R16-Y2
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 26. Amend the sign illustration page on page 2B-51 between Sections 2B.44 and 2B.45 by adding the following signs:

R13-Y2

R16-Y2

(Indiana Department of Transportation; 105 IAC 9-2-26; filed Aug 29, 2003, 3:48 p.m.: 27 IR 12)

105 IAC 9-2-27 Indiana additional warning signs; page 2C-2A
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 27. Amend Chapter 2C. by adding "Page 2C-2A" between pages 2C-2 and 2C-3 that contains the following table:

Indiana Additional Warning Signs

Category	Group	Section	Signs	MUTCD Codes
Traffic Related	Intersections	2C.34	Watch for LEFT TURN	W2-Y7
Roadway Related	Roadway Surface Condition	2C.25	High Water	W8-Y7
Roadway Related	Roadway Surface Condition	2C.25	Watch for ICE on Bridges	W8-Y8
Non Vehicular	Crossings	2C.36	Horse and Buggy	W11-Y11

Traffic Related	Motorized Traffic	2C.36	XXX Entrance	W11-Y12
Traffic Related	Motorized Traffic	2C.36	Hidden Drive	W11-Y13
Non Vehicular	Crossings	2C.38	Church	W15-Y2
Non Vehicular	Crossings	2C.38	Hospital	W15-Y3

(Indiana Department of Transportation; 105 IAC 9-2-27; filed Aug 29, 2003, 3:48 p.m.: 27 IR 12)

105 IAC 9-2-28 Low clearance signs (W12-2 and W12-2P)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 28. Change the first sentence in Section 2C.20 beneath "Standard:" to read as follows: "The Low Clearance (W12-2) sign shall be used to warn road users of clearances less than 300 mm (12 in) above the statutory maximum vehicle height (13′-6″) or minimum structure height.". *(Indiana Department of Transportation; 105 IAC 9-2-28; filed Aug 29, 2003, 3:48 p.m.: 27 IR 12)*

105 IAC 9-2-29 Slippery when wet sign (W8-5)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 29. Amend Section 2C.25 as follows: (a) Change the section heading to read: "Section 2C-25 Adverse Weather Signs (W8-5, W8-Y7, W8-Y8)".

(b) Change Section 2C.25 to read as follows: "Option: The Slippery When Wet (W8-5) sign may be used to warn that a slippery condition may exist.

The High Water (W8-Y7) sign may be used to warn motorists of high water covering a roadway surface which is passable. It is only intended for temporary use and should be removed or covered when the hazard no longer exists.

Guidance: When used, a Slippery When Wet sign should be placed in advance of the beginning of the affected section (see Table 2C-4), and additional signs should be placed at appropriate intervals along the road where the condition exists.

Support: The WATCH FOR ICE ON BRIDGES (W8-Y8) sign provides a general warning to motorists that under certain conditions, ice may form on bridge floors before it forms on the adjacent roadway.

Guidance: The WATCH FOR ICE ON BRIDGES sign should be placed such that motorists' association of the sign to a specific bridge is minimized.

Option: An additional sign may be used in advance of a specific bridge where engineering investigation and icing related accident history indicates an extraordinary icing condition may exist, as compared to other bridges along the roadway.". *(Indiana Department of Transportation; 105 IAC 9-2-29; filed Aug 29, 2003, 3:48 p.m.: 27 IR 13)*

105 IAC 9-2-30 Cross traffic does not stop plaque (W4-4P)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 30. Amend Section 2C.27 as follows: (a) Change the third sentence beneath "Option:" in the section to read as follows: "The W4-4P plaque may be installed on the same post with the STOP sign.".

(b) Change the fourth sentence in the section beneath "Guidance:" to read as follows: "If the W4-4P plaque is used to regulate traffic, it should be installed on the same post as the STOP sign and the color of the plaque should be a black legend and border on a white background.". *(Indiana Department of Transportation; 105 IAC 9-2-30; filed Aug 29, 2003, 3:48 p.m.: 27 IR 13)*

105 IAC 9-2-31 Intersection warning signs (W2-1 through W2-6)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 31. Amend Section 2C.34 as follows: (a) Change the section heading to read as follows: "Section 2C.34 Intersection

warning Signs (W2-1 through W2-6 and W2-Y7)".

(b) Change Section 2C.34 to read as follows: "Option: A Cross Road (W2-1), Side Road (W2-2 or W2-3), T-Symbol (W2-4), Y-Symbol (W2-5), or Watch For Left Turn (W2-Y7) sign may be used on a roadway, street, or shared-use path in advance of an intersection to indicate the presence of an intersection and the possibility of turning or entering traffic. The Circular Intersection (W2-6) sign accompanied by an educational word message plaque may be installed in advance of a circular intersection.

The relative importance of the intersecting roadways may be shown by different widths of lines in the symbol.

The Watch For Left Turn (W2-Y7) sign may be used to warn motorists of a location where heavy left turn movements are present.

An advance street name plaque (see Section 2C.45) may be installed below an Intersection sign.

Guidance: The Intersection sign, except for the Watch For Left Turn sign, should illustrate and depict the general configuration of the intersecting roadway, such as cross road, side road, T-intersection, Y-intersection, or curvilinear alignment.

Intersection signs should not be used on approaches controlled by STOP signs, YIELD signs, signals, or where Junction signing (see Sections 2D.13 and 2D.28) or advance route turn assembly signs (see Section 2D.29) are present.

The Watch For Left Turn (W2-Y7) sign should not be used in conjunction with any of the W2-1 through W2-6 signs. The W2-Y7 sign should be used on a limited basis and only after a field investigation reveals the need.

Where the side roads are not opposite of each other, the symbol for the intersection should indicate a slight offset.". *(Indiana Department of Transportation; 105 IAC 9-2-31; filed Aug 29, 2003, 3:48 p.m.: 27 IR 13)*

105 IAC 9-2-32 Motorized traffic signs (W8-6, W11-5, W11-8, and W11-10)

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 32. Amend Section 2C.36 as follows: (a) Change the section heading to read as follows: "Section 2C.36 Vehicular Traffic Signs (W8-6, W11-5, W11-8, W11-10, W11-Y11, W11-Y12, W11-Y13)".

(b) Change the first sentence in the section beneath "Option:" to read as follows: "Vehicular Traffic (W8-6, W11-5, W11-8, W11-10, W11-Y11, W11-Y12, W11-Y13) signs may be used to alert road users to locations where unexpected entries into the roadway by trucks, farm vehicles, horse and buggy, emergency vehicles, or other vehicles might occur.".

(c) Beneath the first sentence in the section beneath "Option:" and above "Support" add the following two (2) paragraphs: "The XXX Entrance (W11-Y12) sign may be used in advance of major traffic generators only where the generator is immediately adjacent to the highway. Entrances such as: Truck, Park, Factory, Theater and Cemetery, etc. are approved for use only after a field investigation reveals a definite need. These names, or any other deemed necessary, should be inserted on the first line. Care is to be exercised by limiting the use of these signs.

The HIDDEN DRIVE (W11-Y13) sign may be used to warn motorists of a location where movements are obstructed, or partially obstructed, to traffic on the roadway. It is intended for use on a limited basis and only after a field investigation reveals the need.".

(d) Change the first sentence beneath "Guidance:" in the section to read as follows: "Vehicular Traffic signs should be used only at locations where the road user's sight distance is restricted, or the condition, activity, or entering traffic would be unexpected.".

(e) Change the second sentence beneath "Guidance:" in the section to read as follows: "If the condition or activity is seasonal or temporary, the Vehicular Traffic sign should be removed or covered when the condition or activity does not exist.".

(f) Change the sentence beneath the second "Option:" in the section to read as follows: "Supplemental plaques (see Section 2C.39) with the legend AHEAD, XX METERS (XX FEET), or NEXT XX KILOMETERS (NEXT XX MILES) may be mounted below Motorized Traffic signs to provide advance notice to road users of unexpected entries.". *(Indiana Department of Transportation; 105 IAC 9-2-32; filed Aug 29, 2003, 3:48 p.m.: 27 IR 14)*

105 IAC 9-2-33 Playground sign (W15-1); adjacent facility sign

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 33. Amend Section 2C.38 as follows: (a) Change the section heading to read as follows: "Section 2C.38 Adjacent Facility

Sign (W15-1, W15-Y2, W15-Y3)".

(b) Change the first paragraph in the section beneath "Option:" to read as follows: "The Adjacent Facility (W15-1, W15-Y2, W15-Y3) sign may be used to give advance warning of a designated facility that is located adjacent to the road. The Playground (W15-1) sign may have a florescent yellow-green background with a black legend and border.". *(Indiana Department of Transportation; 105 IAC 9-2-33; filed Aug 29, 2003, 3:48 p.m.: 27 IR 14)*

105 IAC 9-2-34 Indiana additional warning signs; page 2C-33A

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 34. Amend Chapter 2C. by adding "Page 2C-33A" between pages 2C-33 and 2C-34 that contains the following warning signs:

W2-Y7

W8-Y7

W8-Y8

W11-Y11

W11-Y12

W15-Y2

W15-Y3

(Indiana Department of Transportation; 105 IAC 9-2-34; filed Aug 29, 2003, 3:48 p.m.: 27 IR 14)

105 IAC 9-2-35 Playground sign (W15-1)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 35. Change the last sentence in Section 2C.38 beneath "Guidance:" by deleting "playground" and inserting "designated".
(Indiana Department of Transportation; 105 IAC 9-2-35; filed Aug 29, 2003, 3:48 p.m.: 27 IR 15)

105 IAC 9-2-36 Indiana route marker (M1-5)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 36. Amend the sign illustration page on page 2D-7 within Section 2D.11 by replacing the shown State Route Marker (M1-5) with the following Indiana Route Marker:

(Indiana Department of Transportation; 105 IAC 9-2-36; filed Aug 29, 2003, 3:48 p.m.: 27 IR 15)

105 IAC 9-2-37 Design of route signs
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 37. Amend Section 2D.11 by changing the paragraph beneath the first "Guidance:" in the section to read as follows: "State Route signs should be rectangular and should be approximately the same size as the U.S. Route sign. State Route signs should also be similar to the U.S. Route sign by containing approximately the same size black numerals with a white background and black border.". *(Indiana Department of Transportation; 105 IAC 9-2-37; filed Aug 29, 2003, 3:48 p.m.: 27 IR 15)*

105 IAC 9-2-38 Signs M4-Y11a, M4-Y14, and M4-Y15
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 38. Amend the sign illustration page on page 2D-11 within Section 2D.14 by adding the following signs:

M4-Y11a

M4-Y14

M4-Y15

(Indiana Department of Transportation; 105 IAC 9-2-38; filed Aug 29, 2003, 3:48 p.m.: 27 IR 16)

105 IAC 9-2-39 End auxiliary sign (M4-6)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 39. Amend Section 2D.22 as follows: (a) Change the section heading to read as follows: "Section 2D.22 END/BEGIN Auxiliary Sign (M4-6)/(M4-Y11a)".

(b) Beneath the sentence beneath "Guidance:" and above "Standard:" in the section, add the following: "Option: The BEGIN (M4-Y11a) auxiliary sign may be used where the route being traveled begins.".

(c) Change the last sentence in the section beneath "Standard:" to read as follows: "If used, the END or BEGIN auxiliary sign shall be mounted either directly above a route sign or above a sign for an alternative route that is part of the designation of the route being terminated / originated.". *(Indiana Department of Transportation; 105 IAC 9-2-39; filed Aug 29, 2003, 3:48 p.m.: 27 IR 16)*

105 IAC 9-2-40 Frontage road and local traffic signs (M4-Y14 and M4-Y15)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 40. Amend Chapter 2D as follows: (a) Add Section 2D.24.1 beneath the sentence in Section 2D.24 to read as follows: "Section 2D.24.1 Frontage Road and Local Traffic Signs (M4-Y14, M4-Y15)".

(b) Beneath "Section 2D.24.1", as added by subsection (a) above, add the following: "Option: The Local Traffic sign (M4-Y14) may be used at the entrance to a road or street which has been closed by a Limited Access Highway, but which serves several entrances or other local streets or roads which have no outlet. The Frontage Road sign (M4-Y15) may be installed at the entrance

to a Frontage Road where such a road might be mistaken for a freeway ramp.". *(Indiana Department of Transportation; 105 IAC 9-2-40; filed Aug 29, 2003, 3:48 p.m.: 27 IR 16)*

105 IAC 9-2-41 Route sign assemblies; sign illustration page
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 41. Amend the sign illustration page on page 2D-16 within Section 2D.27 by adding the following sentence at the bottom of the page: "If applicable, the above signs shall be designated (R) for arrows to the right and (L) for arrows to the left.". *(Indiana Department of Transportation; 105 IAC 9-2-41; filed Aug 29, 2003, 3:48 p.m.: 27 IR 16)*

105 IAC 9-2-42 Route sign assemblies
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

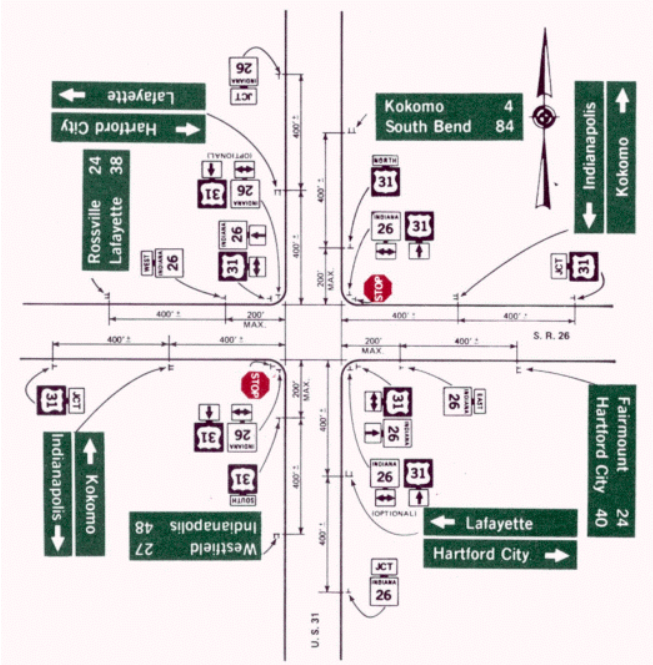
Sec. 42. Change the last sentence in Section 2D.27 beneath "Support:" to read as follows: "Figures 2D-2 (3 sheets) and 2D-2A (5 sheets) shows typical placements of route signs.". *(Indiana Department of Transportation; 105 IAC 9-2-42; filed Aug 29, 2003, 3:48 p.m.: 27 IR 16)*

105 IAC 9-2-43 Junction assembly
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

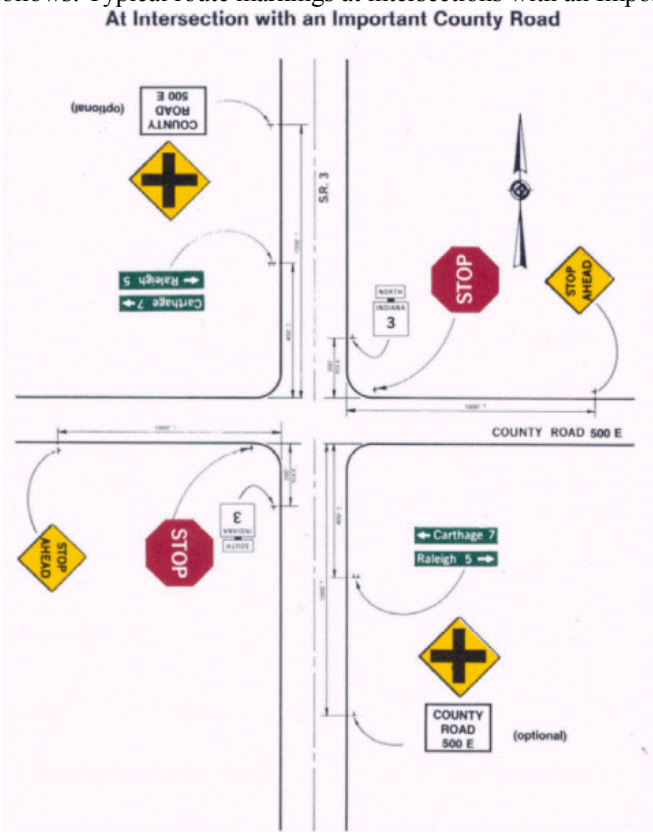
Sec. 43. Change the second paragraph in Section 2D.28 beneath "Standard:" to read as follows: "The Junction assembly shall be installed in advance of every intersection where a numbered route is intersected or joined by another numbered route. In urban areas it shall be installed in the block preceding the intersection, and in rural areas it shall be installed approximately 120 m (400 ft) in advance of the intersection. In rural areas, the approximate distance between the Destination sign and the Route Turn assembly shall be 60 m (200 ft), and the approximate distance between the Route Turn assembly and the Junction assembly shall be 60 m (200 ft).". *(Indiana Department of Transportation; 105 IAC 9-2-43; filed Aug 29, 2003, 3:48 p.m.: 27 IR 17)*

105 IAC 9-2-44 Illustrations of Indiana directional assemblies and other route signs
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

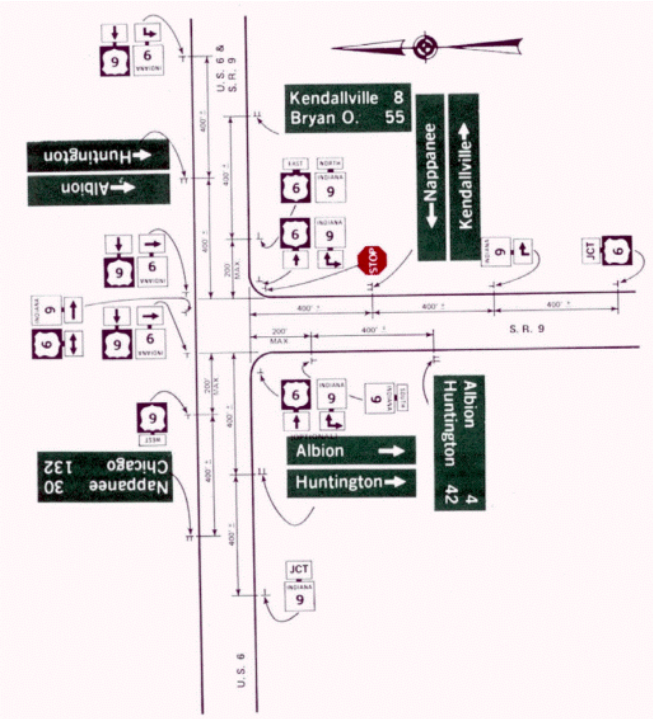
Sec. 44. Amend Chapter 2D by adding the following after page 2D-20 and before page 2D-21: (a) "Page 2D-20A" which follows: Typical route markings at intersections - rural



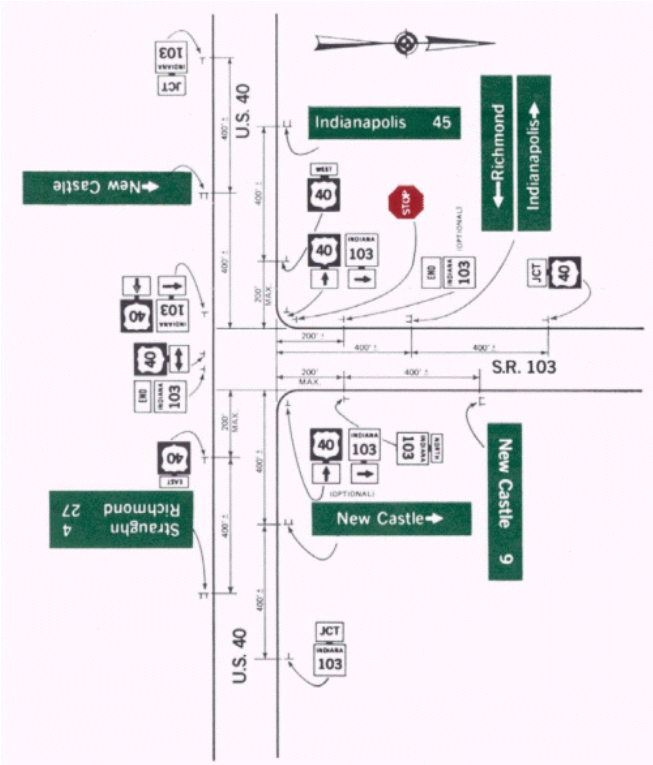
(b) "Page 2D-20B" which follows: Typical route markings at intersections with an Important County Road



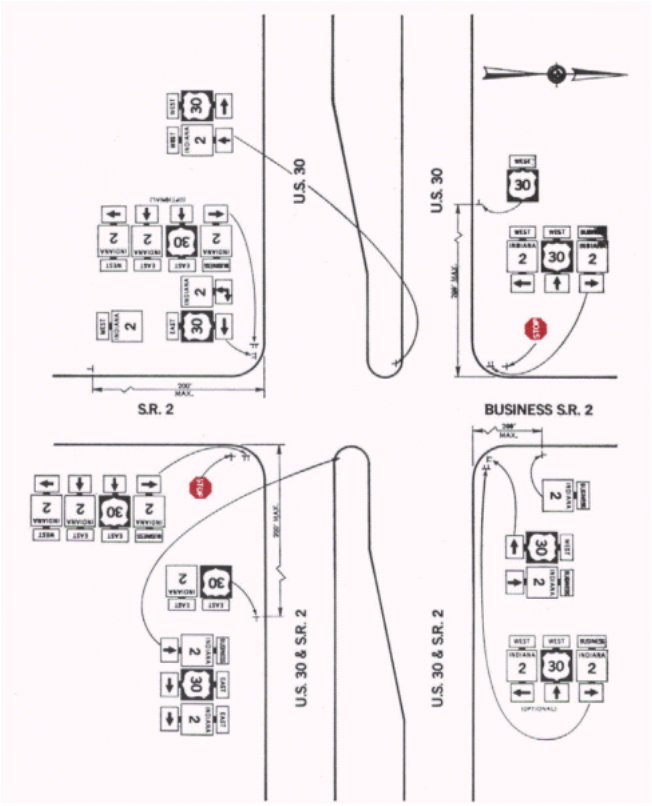
(c) "Page 2D-20C" which follows: Typical route markings at "T" intersections (two numbered routes – one turning)



(d) “Page 2D-20D” which follows: Typical route markings at “T” intersections (two numbered routes – one terminating)



(e) “Page 2D-20E” which follows: Typical route markings at an intersection with dual lanes



(Indiana Department of Transportation; 105 IAC 9-2-44; filed Aug 29, 2003, 3:48 p.m.: 27 IR 17)

105 IAC 9-2-45 Directional assembly
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 45. Amend Section 2D.30 as follows: (a) Change the first sentence in the second paragraph beneath "Guidance:" in the section to read as follows: "Directional assemblies should be located on the near or far right corner of the intersection.".

(b) Beneath the last sentence in the second paragraph beneath "Guidance:" and above "Support:" in the section, add the following: "Option: As determined by engineering judgment, a "Begin" (M4-Y6a) may be used to supplement the Directional Assembly at the beginning of a route.". *(Indiana Department of Transportation; 105 IAC 9-2-45; filed Aug 29, 2003, 3:48 p.m.: 27 IR 18)*

105 IAC 9-2-46 Confirming or reassurance assemblies
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 46. Amend Section 2D.31 by changing the first sentence beneath "Guidance:" to read as follows: "If the Confirming assembly is used, it should be placed approximately 7.6 to 60 m (25 to 200 ft) beyond the far shoulder or curb line of the intersected highway.". *(Indiana Department of Transportation; 105 IAC 9-2-46; filed Aug 29, 2003, 3:48 p.m.: 27 IR 18)*

105 IAC 9-2-47 Destination and distance signs
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 47. Amend Section 2D.33 so the section heading reads as follows: "Section 2D.33 Destination and Distance Signs (D1 and D2 Series)". *(Indiana Department of Transportation; 105 IAC 9-2-47; filed Aug 29, 2003, 3:48 p.m.: 27 IR 18)*

105 IAC 9-2-48 Destination signs
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 48. Amend Section 2D.34 so the section heading reads as follows: "Section 2D.34 Destination Signs (D1 Series)". *(Indiana Department of Transportation; 105 IAC 9-2-48; filed Aug 29, 2003, 3:48 p.m.: 27 IR 18)*

105 IAC 9-2-49 Location of destination signs
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 49. Amend Section 2D.35 as follows: (a) Change the section heading to read as follows: "Section 2D.35 Location of Destination Signs (D2 Series)".

(b) Change the first sentence in the section beneath "Guidance:" to read as follows: "When used in high-speed areas, Destination signs should be located approximately 60 m (200 ft) or more in advance of the intersection, and following any Junction or Advance Route Turn assemblies that may be required.". *(Indiana Department of Transportation; 105 IAC 9-2-49; filed Aug 29, 2003, 3:48 p.m.: 27 IR 19)*

105 IAC 9-2-50 Distance signs
Authority: IC 8-23-2-6; IC 9-21-4-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 50. Amend Section 2D.36 so the section heading reads as follows: "Section 2D.36 Distance Signs (D2 Series)". *(Indiana Department of Transportation; 105 IAC 9-2-50; filed Aug 29, 2003, 3:48 p.m.: 27 IR 19)*

105 IAC 9-2-51 Location of distance signs
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 51. Amend Section 2D.37 as follows: (a) Change the second sentence in the second paragraph beneath "Guidance:" in the section by deleting "90 m (300 ft)" and inserting "180 m (600 ft)".

(b) Change the last sentence in the section beneath "Support:" to read as follows: "Figures 2D-2 and 2D-2A shows typical placement of Distance signs.". *(Indiana Department of Transportation; 105 IAC 9-2-51; filed Aug 29, 2003, 3:48 p.m.: 27 IR 19)*

105 IAC 9-2-52 Street name sign (D3)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 52. Amend Section 2D.38 as follows: (a) Change the section heading to read as follows: "Section 2D.38 Street Name Sign (D3 Series)".

(b) Change the second paragraph in the section beneath "Guidance:" to read as follows: "Lettering on Street Name signs should be at least 150 mm (6 in) high in capital letters, or 150 mm (6 in) upper-case letters with 110 mm (4.5 in) lower-case letters. For street name signs mounted overhead, the lettering should be 200 mm (8 in) high capital letters with 150 mm (6 in) lower-case letters.".

(c) Delete the last sentence in the first paragraph beneath the second "Option:" in the section by deleting "Street Name signs may also be placed above a regulatory or STOP sign with no required vertical separation.". *(Indiana Department of Transportation; 105 IAC 9-2-52; filed Aug 29, 2003, 3:48 p.m.: 27 IR 19)*

105 IAC 9-2-53 Signs D6-Y4 and D6-Y5
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 53. Amend the sign illustration page on page 2D-34 between Sections 2D.42 and 2D.43 by adding the following two (2) signs:

D6-Y4 D6-Y5

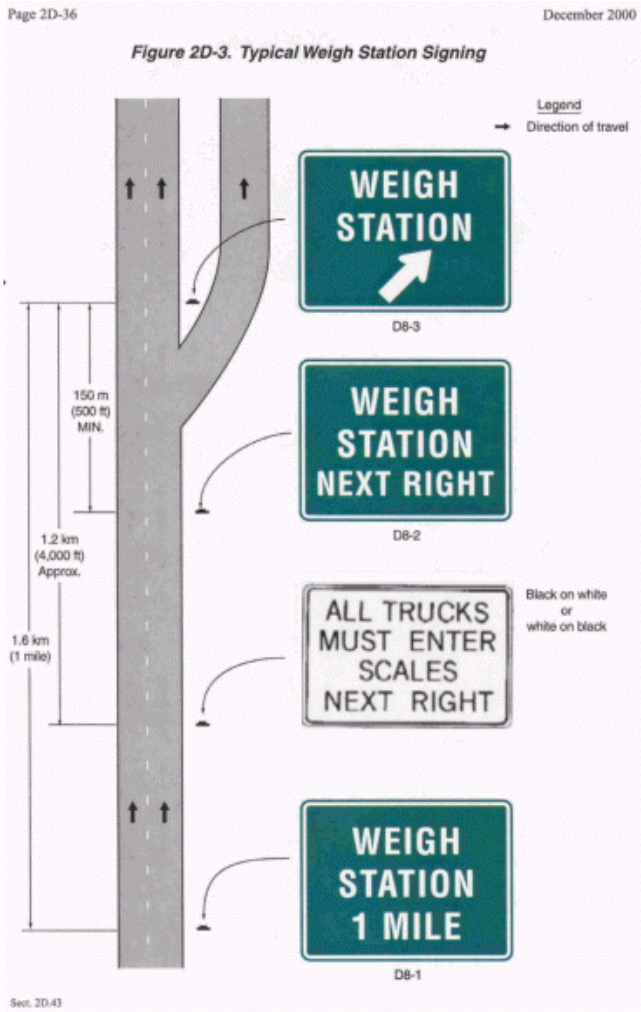
(Indiana Department of Transportation; 105 IAC 9-2-53; filed Aug 29, 2003, 3:48 p.m.: 27 IR 19)

105 IAC 9-2-54 Weigh station signing (D8 series)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 54. Amend Section 2D.43 by changing the sentence beneath "Option:" to read as follows: "Where State law requires a regulatory sign (R13-Y2) in advance of the Weigh Station, a fourth sign (Section 2B.44) may be located following the Advance sign.". *(Indiana Department of Transportation; 105 IAC 9-2-54; filed Aug 29, 2003, 3:48 p.m.: 27 IR 19)*

105 IAC 9-2-55 Weigh station signing (D8 series); figure 2D-3
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 55. Amend the sign illustration page on page 2D-36 by deleting the third sign from the top and adding the following:



(Indiana Department of Transportation; 105 IAC 9-2-55; filed Aug 29, 2003, 3:48 p.m.: 27 IR 19)

105 IAC 9-2-56 Reference posts (D10-1 through D10-3)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 56. Amend the sign illustration page on page 2D-42 within Section 2D.45 by adding the following signs:

(Indiana Department of Transportation; 105 IAC 9-2-56; filed Aug 29, 2003, 3:48 p.m.: 27 IR 20)

105 IAC 9-2-57 Signs I-Y5a, I-Y12, I-Y13, I-Y14, I-Y15, I-Y16, and I-Y17
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 57. Amend the sign illustration page on page 2D-45 within Section 2D.47 by adding the following signs:

I-Y5a

I-Y12

I-Y13

I-Y14

I-Y15

I-Y16

I-Y17

(Indiana Department of Transportation; 105 IAC 9-2-57; filed Aug 29, 2003, 3:48 p.m.: 27 IR 20)

105 IAC 9-2-58 Sign borders; section 2E.15
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 58. Amend the two (2) paragraphs in Section 2E.15 beneath "Guidance:" and above "Option:" as follows: (a) Change the first paragraph to read as follows: "Guide signs should have a border width of 50 mm (2 in).".

(b) Change the second paragraph to read as follows: "Corner radii of sign borders should be 225 mm (9 in).". *(Indiana Department of Transportation; 105 IAC 9-2-58; filed Aug 29, 2003, 3:48 p.m.: 27 IR 21)*

105 IAC 9-2-59 Arrows for interchange guide signs
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 59. Change the first sentence in Section 2E.18 beneath "Standard:" to read as follows: "On all Exit Direction signs, both overhead and ground mounted, arrows shall be upward slanting and shall be located on the side of the sign consistent with the direction of the exiting movement, or centered beneath the destination lettering.". *(Indiana Department of Transportation; 105 IAC 9-2-59; filed Aug 29, 2003, 3:48 p.m.: 27 IR 21)*

105 IAC 9-2-60 Signing for interchange lane drops
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 60. Amend Section 2E.20 as follows: (a) Change the second sentence beneath the second "Standard:" in the section to read as follows: "The standard slanted up arrow (left side, right side, or centered beneath) shall be used with the EXIT ONLY (E11-1) panel at the Exit Direction sign location.".

(b) Beneath the paragraph beneath the last "Standard:" in the section, delete "Guidance:" and insert "Option:".

(c) Beneath "Option:", as added in subsection (b) above, change the sentence by deleting "should not" and inserting "may".

(d) Beneath the sentence as changed in subsection (c) above and above the last sentence in the section, add "Guidance:". *(Indiana Department of Transportation; 105 IAC 9-2-60; filed Aug 29, 2003, 3:48 p.m.: 27 IR 21)*

105 IAC 9-2-61 Interchange exit numbering
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 61. Change the fourth sentence beneath the first "Standard:" in Section 2E.28 by: (a) Deleting "750" and inserting "600".

(b) Deleting "30" and inserting "24". *(Indiana Department of Transportation; 105 IAC 9-2-61; filed Aug 29, 2003, 3:48 p.m.: 27 IR 22)*

105 IAC 9-2-62 Other supplemental guide signs
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 62. Amend Section 2E.32 beneath "Guidance:" as follows: (a) Change the first paragraph by adding a second sentence to read as follows: "Supplemental Guide sign should not be used at freeway to freeway interchanges.".

(b) Change the second paragraph to read as follows: "Where two or more Advance Guide signs are used, the Supplemental Guide sign should be installed approximately midway between two of the Advance Guide signs, where possible. Otherwise the Supplemental Guide sign should be installed 1600 ft in advance of the beginning of the deceleration lane. If only one Advance guide sign is used, the Supplemental Guide sign should follow it by at least 240 m (800 feet). If the interchanges are numbered, the interchange number should be used for the action message.". *(Indiana Department of Transportation; 105 IAC 9-2-62; filed Aug 29, 2003, 3:48 p.m.: 27 IR 22)*

105 IAC 9-2-63 Postinterchange signs
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 63. Change the second sentence in the paragraph beneath "Guidance:" in Section 2E.35 by: (a) Deleting "300" and inserting "150".

(b) Deleting "1000" and inserting "500". *(Indiana Department of Transportation; 105 IAC 9-2-63; filed Aug 29, 2003, 3:48 p.m.: 27 IR 22)*

105 IAC 9-2-64 Reference posts
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 64. Amend Section 2E.54 so the section heading reads as follows: "Section 2E.54 Reference Posts (D10-4 through D10-6 See Page 2D-42A)". *(Indiana Department of Transportation; 105 IAC 9-2-64; filed Aug 29, 2003, 3:48 p.m.: 27 IR 22)*

105 IAC 9-2-65 Eligibility
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 65. Amend Section 2F.01 as follows: (a) Change the sentence beneath the first "Option:" in the section to read as follows: "Where an engineering study determines a need, Specific Service signs may be used on any class of highways if permitted by statute.".

(b) Change the sentence beneath the third "Guidance:" in the section and add a second sentence to read as follows: "Distances to eligible services, except camping and attractions, should not exceed 5 km (3 mi) in either direction. Distances to camping and attractions should not exceed 25 km (15 mi) in either direction.".

(c) Beneath the two (2) sentences referred to in subsection (b) above, delete "Option:" and the paragraph beneath it that reads "If, within the 5 km (3 mi) limit, facilities for the services being considered are not available or choose not to participate in the program, the limit of eligibility may be extended in 5 km (3 mi) increments until one or more facilities for the services being considered chooses to participate, or until 25 (15 mi) is reached, whichever comes first.". *(Indiana Department of Transportation; 105 IAC 9-2-65; filed Aug 29, 2003, 3:48 p.m.: 27 IR 22)*

105 IAC 9-2-66 Application
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 66. Change the second paragraph in Section 2F.02 beneath "Standard:" to read as follows: "A Specific Service sign shall

display the word message GAS, FOOD, LODGING, CAMPING, or ATTRACTION, an appropriate directional legend such as the word message EXIT XX, NEXT RIGHT, SECOND RIGHT, or directional arrows, and the related logo sign panels. No more than three types of services shall be represented on any sign or sign assembly. The legend and logo panels applicable to a service type shall be displayed such that the road user will not associate them with another service type on the same sign. No service type shall appear on more than one sign. The signs shall have a blue background, a white border, and white legends of upper-case letters, numbers, and arrows.". *(Indiana Department of Transportation; 105 IAC 9-2-66; filed Aug 29, 2003, 3:48 p.m.: 27 IR 22)*

105 IAC 9-2-67 Number and size of logos and signs
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 67. Change the paragraph beneath the first "Standard:" in Section 2F.04 to read as follows: "Each Specific Service sign or sign assembly shall be limited to no more than six logo panels. A Specific Service sign or sign assembly shall have no more than three types of services on the same sign or sign assembly. The permitted number of logo panels on a multi type service Specific Service sign or sign assembly are: 1) a maximum of two logo panels for each type service on a three service Specific Service sign or sign assembly; 2) a maximum of three logo panels for each type service on a two service Specific Service sign or sign assembly; and 3) a maximum of four logo panels for one type service and two logo panels for the other type service on a two service Specific Service sign or sign assembly.". *(Indiana Department of Transportation; 105 IAC 9-2-67; filed Aug 29, 2003, 3:48 p.m.: 27 IR 23)*

105 IAC 9-2-68 Signs at interchanges
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 68. Amend Section 2F.06 beneath "Guidance:" and above the preexisting paragraph beneath "Guidance:" in the section by adding the following sentence: "When longitudinal space permits, all Specific Service Signs should be installed before the interchange one (1) mile Advance Guide sign.". *(Indiana Department of Transportation; 105 IAC 9-2-68; filed Aug 29, 2003, 3:48 p.m.: 27 IR 23)*

105 IAC 9-2-69 Signing policy
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 69. Change the sentence beneath "Guidance:" in Section 2F.10 to read as follows: "Each highway agency that elects to use Specific Service signs should establish a signing policy that considers the guidelines of Section 2F.01 and the following criteria:". *(Indiana Department of Transportation; 105 IAC 9-2-69; filed Aug 29, 2003, 3:48 p.m.: 27 IR 23)*

105 IAC 9-2-70 State policy
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 70. Change the sentence beneath "Guidance:" in Section 2G.07 to read as follows: "Each State that elects to use tourist-oriented directional signs should have a policy that is developed from consideration of:". *(Indiana Department of Transportation; 105 IAC 9-2-70; filed Aug 29, 2003, 3:48 p.m.: 27 IR 23)*

105 IAC 9-2-71 Use of educational plaques
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 71. Change the paragraph beneath "Guidance:" in Section 2H.06 to read as follows: "Educational plaques should accompany all initial installations of recreational and cultural interest area symbol signs. The educational plaque should remain in

place for a sufficient time period after the initial installation. If used, the educational plaque should be the same width as the symbol sign.". *(Indiana Department of Transportation; 105 IAC 9-2-71; filed Aug 29, 2003, 3:48 p.m.: 27 IR 23)*

105 IAC 9-2-72 Emergency management
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 72. Amend Section 2I.01 beneath the section heading and above "Guidance:" in the section by adding the following: "Support: Advance planning for transportation operations' emergencies is the responsibility of State and local authorities. The Federal Government provides guidance to States as necessitated by changing circumstances for some emergency types.
Standard: Emergency Management signs shall be used to guide and control highway traffic during certain emergency types.
Emergency Management signs shall not permanently displace any of the standard signs that are normally applicable.". *(Indiana Department of Transportation; 105 IAC 9-2-72; filed Aug 29, 2003, 3:48 p.m.: 27 IR 23)*

105 IAC 9-2-73 Design of emergency management signs
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 73. Amend Section 2I.02 by deleting the following: "Standard: Emergency Management signs shall be used to guide and control highway traffic during certain emergency types.
Emergency Management signs shall not permanently displace any of the standard signs that are normally applicable.
Advance planning for transportation operations' emergencies shall be the responsibility of State and local authorities. The Federal Government shall provide guidance to the States as necessitated by changing circumstances.". *(Indiana Department of Transportation; 105 IAC 9-2-73; filed Aug 29, 2003, 3:48 p.m.: 27 IR 24)*

105 IAC 9-2-74 Emergency aid center signs (EM-6 series)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 74. Amend Section 2I.08 as follows: (a) Add the following beneath the section heading and above "Standard:" in the section: "Support: In the event of certain emergency types, State and local authorities establish various centers for civilian relief, communication, medical service, and similar purposes. To guide the public to such centers a series of directional signs can be used.".

(b) Beneath "Standard:" in the section, delete the following: "In the event of an emergency, State and local authorities shall establish various centers for civilian relief, communication, medical service, and similar purposes. To guide the public to such centers a series of directional signs shall be used.". *(Indiana Department of Transportation; 105 IAC 9-2-74; filed Aug 29, 2003, 3:48 p.m.: 27 IR 24)*

105 IAC 9-2-75 Widths and patterns of longitudinal pavement markings
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 75. Change the last sentence in Section 3A.06 beneath "Option:" to read as follows: "A typical dotted line pattern may consist of 0.6 m (2 ft) line segments and 1.2 m (4 ft) or longer gaps with a segment to gap ratio no greater than 1 to 4.". *(Indiana Department of Transportation; 105 IAC 9-2-75; filed Aug 29, 2003, 3:48 p.m.: 27 IR 24)*

105 IAC 9-2-76 Yellow centerline and left edge line pavement markings and warrants
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 76. Amend Section 3B.01 as follows: (a) Beneath the first "Guidance:" and above the paragraph beneath "Guidance:"

in the section, add the following sentence: "The curved lines denoted on Figure 3B-2 can be straight lines in the same general configuration.".

(b) Beneath the last sentence beneath the first "Guidance:" in the section and above "Standard:", add the following: "Support: Section 3B.03 contains further information regarding other centerline information.".

(c) Change the last sentence in the section beneath the fourth "Standard:" to read as follows: "Left edge line pavement markings, if used on the roadways of divided highways or one-way streets, or on any ramp in the direction of travel (see Section 3B.06), shall consist of a normal solid yellow line to delineate the left edge of a roadway or to indicate driving or passing restrictions left of these markings.". *(Indiana Department of Transportation; 105 IAC 9-2-76; filed Aug 29, 2003, 3:48 p.m.: 27 IR 24)*

105 IAC 9-2-77 Extensions through intersections or interchanges

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 77. Amend Section 3B.08 by adding the following beneath the last sentence in the section and above Section 3B.09: "Option: For multiple turn lanes (e.g., dual left-turn lanes), a series of dotted lines may be used to guide the turning traffic through the intersection. The placement of the dotted lines should consider the turning path of the design vehicle(s) or the largest commonly observed vehicle.". *(Indiana Department of Transportation; 105 IAC 9-2-77; filed Aug 29, 2003, 3:48 p.m.: 27 IR 24)*

105 IAC 9-2-78 Stop and yield lines

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 78. Amend Section 3B.16 as follows: (a) Beneath the second paragraph beneath "Standard:" and above "Guidance:" in the section, add the following two (2) sentences: "Stop lines at signalized locations shall be placed such that they are in compliance with the applicable Standards, Guidance and Options of Section 4D.15 of Part 4: Highway Traffic Signals.

Stop lines at Highway – Rail Grade crossings shall be placed such that they are in compliance with the applicable Standards, Guidance and Options of Section 8B.16 of Part 8: Traffic Controls for Highway-Rail Grade Crossings.".

(b) Beneath the first "Guidance:" in the section, delete ", traffic control signal," from the second sentence.

(c) Beneath the second "Guidance:" in the section, change the first paragraph to read as follows: "If used, stop and yield lines should be placed 1.2 m 94 ft) in advance of and parallel to the nearest crosswalk line, except at roundabouts as provided for in Section 3B.24. In the absence of a marked crosswalk, the stop line or yield line should be placed at the desired stopping or yielding point, but should not be placed more than 9 m (30 ft) or less than 1.2 m (4 ft) from the nearest edge of the intersecting traveled way or point of potential conflict. Stop lines should be placed to allow sufficient sight distance for all approaches to an intersection.".

(d) Delete the last sentence in the section that reads "Stop lines at midblock signalized locations should be placed at least 12 m (40 ft) in advance of the nearest signal indication (see Section 4D.15).". *(Indiana Department of Transportation; 105 IAC 9-2-78; filed Aug 29, 2003, 3:48 p.m.: 27 IR 25)*

105 IAC 9-2-79 Crosswalk markings

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 79. Change the paragraph beneath the second "Guidance:" in Section 3B.17 to read as follows: "If used, the diagonal or longitudinal lines should be 300 to 600 mm (12 to 24 in) wide and spaced 300 to 600 mm (12 to 24 in) apart. If possible, the spacing design should avoid the wheel paths.". *(Indiana Department of Transportation; 105 IAC 9-2-79; filed Aug 29, 2003, 3:48 p.m.: 27 IR 25)*

105 IAC 9-2-80 Curb markings

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 80. Amend Section 3B.21 as follows: (a) Add the following sentence beneath the first sentence beneath "Standard:" in the section: "At locations where the no parking zone is established by a general state statute, signs and curb markings are not required.".

(b) Beneath "Guidance:" in the section, delete the following sentence: "When curb markings are used without signs to convey parking regulations, a legible work marking regarding the regulation (such as "No Parking" or "No Standing") should be placed on the curb.".

(c) Beneath the last sentence beneath "Guidance:" and above "Support:" in the section, delete the following: "Option: Local highway agencies may prescribe special colors for curb markings to supplement standard signs for parking regulation.". *(Indiana Department of Transportation; 105 IAC 9-2-80; filed Aug 29, 2003, 3:48 p.m.: 27 IR 25)*

105 IAC 9-2-81 Markings for roundabouts

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 81. Change the last sentence beneath "Guidance:" and above "Option:" in Section 3B.24 to read as follows: "Where crosswalk markings are used, these markings should be located 7.6 m (25 ft), or more, upstream from the yield line, or, if none, from the dotted white line.". *(Indiana Department of Transportation; 105 IAC 9-2-81; filed Aug 29, 2003, 3:48 p.m.: 27 IR 25)*

105 IAC 9-2-82 Part 4 table of contents

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 82. Amend Part 4, Table of Contents, as follows: (a) Chapter 4C., Sections 4C.02 through 4C.09, by deleting "Warrant" and inserting "Criteria".

(b) Chapter 4D., Section 4D.21, by deleting "Signal".

(c) Figures, Chapter 4C., Figures 4C-1 through 4C-4, by deleting "Warrant" and inserting "Criteria".

(d) Figures, Chapter 4D., Figure 4D-2, to read as follows: "Typical Horizontal and Longitudinal Location of Signal Faces……4D-26".

(e) Figures, Chapter 4E., Figure 4E-2, by deleting "Recommended" and inserting "Typical".

(f) Tables, Chapter 4C., to read as follows:

"Table 4C-1 Criteria 1, Eight-Hour Vehicular Volume 4C-5
Table 4C-1a Eight Hour Vehicular Volume (ADT Equivalent) 4C-5
Table 4C-2 Mathematical Equation Equivalency To Figure 4C-1 . . . . . 4C-6
Table 4C-3 Mathematical Equation Equivalency To Figure 4C-2 . . . . . 4C-6
Table 4C-4 Mathematical Equation Equivalency To Figure 4C-3 . . . . . 4C-8
Table 4C-5 Mathematical Equation Equivalency To Figure 4C-4 . . . . . 4C-8
Table 4C-6 Vehicular Volume Equivalency For Insufficient Gaps in Vehicular Flow . . . . . 4C-12"
(Indiana Department of Transportation; 105 IAC 9-2-82; filed Aug 29, 2003, 3:48 p.m.: 27 IR 25)

105 IAC 9-2-83 Definitions relating to highway traffic signals

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 83. Amend Section 4A.02, number "62." by deleting "Warrant" and inserting "Criteria". *(Indiana Department of Transportation; 105 IAC 9-2-83; filed Aug 29, 2003, 3:48 p.m.: 27 IR 26)*

105 IAC 9-2-84 Basis of installation or removal of traffic control signals

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 84. Amend Section 4B.02 as follows: (a) Change the sentence beneath "Support:" in the section to read as follows: "A careful analysis of traffic operation, pedestrian, and bicyclist needs, and other factors at a large number of signalized and unsignalized intersections, coupled with engineering judgment, has provided a series of signal criteria, described in Chapter 4C, that defines the conditions under which installing traffic control signals might be justified.".

(b) Change "D." beneath "Option:" in the section by deleting "minimum of 90 days" and inserting "period of time".

(c) Change "E." beneath "Option." in the section by deleting "for 1 year". *(Indiana Department of Transportation; 105 IAC 9-2-84; filed Aug 29, 2003, 3:48 p.m.: 27 IR 26)*

105 IAC 9-2-85 Advantages and disadvantages of traffic control signals

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 85. Amend Section 4B.03 as follows: (a) Change "B." beneath "Support:" in the section by deleting "on a regular basis (every 2 years)" and inserting ", as needed,".

(b) Change "C." beneath "Support:" in the section to read as follows: "They potentially reduce the frequency and severity of certain types of crashes, especially right-angle collisions.".

(c) Change "D." beneath "Support:" in the section to read as follows: ""They are capable of being coordinated to provide for continuous or nearly continuous movement of traffic at a definite speed along a given route under favorable conditions.".

(d) Change "E." beneath "Support:" in the section by deleting "are" and inserting "can potentially be".

(e) Change the last sentence in the section to read as follows: "Engineering reviews of operating traffic control signals may become necessary, when operational conditions change, to determine whether the type of installation and the timing program meet the current requirements of traffic.". *(Indiana Department of Transportation; 105 IAC 9-2-85; filed Aug 29, 2003, 3:48 p.m.: 27 IR 26)*

105 IAC 9-2-86 Alternatives to traffic control signals

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 86. Amend Section 4B.04 as follows: (a) Change the first sentence beneath "Guidance:" in the section to read as follows: "Since vehicular delay and the frequency of some types of crashes are sometimes greater under traffic signal control than under STOP sign control, consideration should be given to providing alternatives to traffic control signals even if one or more of the signal criteria has been satisfied.".

(b) Change "G." beneath "Option:" in the section by deleting "warrant" and inserting "criteria". *(Indiana Department of Transportation; 105 IAC 9-2-86; filed Aug 29, 2003, 3:48 p.m.: 27 IR 26)*

105 IAC 9-2-87 Adequate roadway capacity

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 87. Change the last paragraph in Section 4B.05 beneath "Guidance:" to read as follows: "Adequate roadway capacity should be provided at a signalized location. Before an intersection is widened, consideration should be given to the additional green time pedestrians need to cross the widened roadways as compared to the green time saved through improved vehicular flow.". *(Indiana Department of Transportation; 105 IAC 9-2-87; filed Aug 29, 2003, 3:48 p.m.: 27 IR 27)*

105 IAC 9-2-88 Studies and factors for justifying traffic control signals

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 88. Amend Section 4C.01 as follows: (a) Change the first sentence in the section beneath "Standard:" to read as follows: "An engineering study of traffic conditions, pedestrian conditions, and physical characteristics of the location shall be performed

to determine whether installation of a traffic control signal is justified at a particular location.".

(b) Change the second sentence in the section beneath "Standard:" by deleting "warrants" and inserting "criteria".

(c) Delete "Warrant" and insert "Criteria" for the column (Warrants 1 through 8) between the second paragraph beneath "Standard:" and above the sentence that is above "Support:".

(d) Beneath the column as changed in subsection (c) above and above the sentence that is above "Support:", add the following two (2) sentences: "Criteria 1 and 4 are considered warrants. Criteria 2, 3, 5, 6, 7 and 8 are considered guidelines.".

(e) Change the last sentence beneath "Standard:" and above "Support:" in the section to read as follows: "The satisfaction of one or more traffic signal warrants or guidelines shall not in itself require the installation of a traffic control signal.".

(f) Change the second sentence beneath "Guidance:" in the section to read as follows: "A traffic control signal should not be installed unless an engineering analysis indicates that installing a traffic control signal will potentially improve the safety and/or operation of the intersection.".

(g) Change the third sentence beneath "Guidance:" in the section to read as follows: "A traffic control signal should not be installed if it will seriously disrupt progressive traffic flow within an existing traffic signal system.".

(h) Change the fifth sentence beneath "Guidance:" in the section by deleting "warrants" and inserting "criteria".

(i) Change the sixth sentence beneath "Guidance:" in the section by deleting "warrants" and inserting "criteria".

(j) Change the thirteenth and fourteenth sentences beneath "Guidance:" in the section to read as follows: "Thus, right-turn traffic should not be included in the minor-street volume if the movement enters the major street with minimal conflict and the right turn lane is of sufficient length to accommodate the expected right turning traffic.. Under the preceding conditions, the approach should be evaluated as a one-lane approach with only the traffic volume in the through/left-turn lane considered.".

(k) Change the fifteenth sentence beneath "Guidance:" in the section to read as follows: "At a location that is under development or construction and where it is not possible to obtain a traffic count that would represent future conditions, hourly volumes or average daily traffic should be estimated as part of an engineering study for comparison with traffic signal criteria.".

(l) Change the last sentence beneath "Guidance:" and above "Option:" in the section by deleting "warrant" and inserting "criteria".

(m) Beneath "Option:" in the section, add the following two (2) paragraphs: "The study may consider the effects of the right turn vehicles and the associated permitted movement on a "Red" signal indication after a stop, under assumed traffic signal operation, from all the approaches. Engineering judgment should be used to determine what, if any, portion of the right turn traffic is subtracted from the approach traffic count when evaluating the vehicular traffic count against the traffic signal criteria.

Satisfaction of a single traffic signal criteria, with a documented engineering study/review, can be justification for the installation of a traffic signal at a specific location.".

(n) Change "B." beneath "Option:" in the section to read as follows: "Vehicular volumes for each traffic movement from each approach, which may be classified by vehicle type trucks or passenger cars, and, in some locations, during each 15-minute period of the 2 hours in the morning and 2 hours in the afternoon during which total traffic entering the intersection is greatest.".

(o) Change the first sentence of "C." beneath "Option:" in the section to read as follows: "Pedestrian volume counts on each crosswalk during hours of highest pedestrian volume.".

(p) Change the sentence in "G." beneath "Option:" in the section to read as follows: "A collision diagram showing crash experience by type, location, direction of movement, severity, weather, time of day, date, and day of week for a desirable period of three or more years, if the information is available.".

(q) Change the sentence beneath "G." beneath and above "A." beneath "Option:" in the section to read as follows: "The following data, which are desirable for a more precise understanding of the operation of the intersection, may be obtained:".

(r) Change the sentence in the second "A." beneath "Option:" in the section by deleting "Warrant" and inserting "Criteria".

(s) Change the sentence in the second "C." beneath "Option:" in the section to read as follows: "The posted or, if not posted, statutory speed limit or the known 85th-percentile speed on controlled approaches at a point near to the intersection but unaffected by the control.". *(Indiana Department of Transportation; 105 IAC 9-2-88; filed Aug 29, 2003, 3:48 p.m.: 27 IR 27)*

105 IAC 9-2-89 Warrant 1, eight-hour vehicular volume

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 89. Amend Section 4C.02 as follows: (a) Change the section heading to read as follows: "Section 4C.02 Criteria 1, Eight-

Hour Vehicular Volume".

(b) Change the first sentence beneath "Support:" in the section to read as follows: "The Minimum Vehicular Volume, Condition A or A1, is intended for applications where a large volume of intersecting traffic is the principal reason to consider installing a traffic control signal.".

(c) Change the second sentence beneath "Support:" in the section to read as follows: "The Interruption of Continuous Traffic, Condition B or B1, is intended for application where the traffic volume on a major street is so heavy that traffic on a minor intersecting street suffers excessive delay or conflict in entering or crossing the major street.".

(d) Beneath "Option:" and above the preexisting sentence beneath "Option:" in the section, add the following: "When comparing vehicular volume of both approaches of the major street against the volume of the side street approaches, each side street approach may independently be evaluated against the criteria listed in Condition A and Condition B of Table 4C-1.

Temporary traffic signals may be installed at new intersections, on predicted hourly vehicular volumes, providing the predicted volumes meet the prescribed minimum vehicular volume levels as noted in Condition A or Condition B of TABLE 4C-1.

Temporary traffic signals may be installed at new intersections, on predicted average daily traffic volumes, providing the predicted volumes meet prescribed minimum levels as noted in Condition A1 or Condition B1 of TABLE 4C-1a. The temporary traffic signals may be placed in signal operation until proper traffic data and experience can be obtained.

Temporary traffic signals may become permanent traffic signals only after the completion of a traffic engineering investigation that verifies that permanent traffic signals are justified.

1. The traffic volumes used shall be assigned current volumes.
2. Conditions A1 or B1 lists the minimum Average Daily Traffic volumes which may justify consideration of signalization, and which are considered to be equivalent to the hourly traffic volume stipulations denoted by Condition A and Condition B respectively.
3. Surveillance should be maintained on the temporary traffic signal to assure that the signal operation is not creating any undue problems.
4. An engineering study should be conducted, normally, after six months of operation and before one year of operation as a temporary traffic signal control, to determine if the traffic signal is needed and should become a permanent installation.
5. If the temporary traffic signal is not justified by an engineering study, it may be removed immediately and the appropriate traffic control devices, commensurate to justification revealed by the engineering study, may be installed.
6. If the engineering study indicates that the traffic signal is justified, it shall remain in place and have the status of a permanent traffic signal installation.

Temporary traffic signals installed under this procedure must conform to the design requirements for traffic signals as stipulated in this manual.".

(e) Change Table 4C-1 as follows: (a) Change the heading to read as follows: "Table 4C-1. Criteria 1, Eight-Hour Vehicular Volume".

(f) Change the second footnote ("b") to read as follows: "[b] Used for combination of Conditions A and B after consideration of other remedial measures.".

(g) Add the following table to page 4C-5 that contains Table 4C-1:

TABLE 4C-1a, Eight-Hour Vehicular Volume (ADT Equivalent)

Condition A1 – Minimum Vehicular Volume (ADT Equivalent)

Number of lanes on each approach		Equivalent Average Daily Traffic Volumes Approaching From Both Directions On:	
Major Street	Minor Street	Major Street	Minor Street
1	1	8,300	4,600
2 or more	1	10,000	4,600
2 or more	2 or more	10,000	6,000
1	2 or more	8,300	6,000

Condition B1 – Interruption of Continuous Traffic (ADT Equivalent)

Number of lanes on each approach		Equivalent Average Daily Traffic Volumes Approaching From Both Directions On:	
Major Street	Minor Street	Major Street	Minor Street
1	1	12,500	2,300
2 or more	1	15,000	2,300
2 or more	2 or more	15,000	3,100
1	2 or more	12,500	3,100

(h) Change the last sentence in the section beneath "Guidance:" to read as follows: "The combination of Conditions A and B should be applied only after consideration of other alternatives that could cause less delay and inconvenience to traffic.". *(Indiana Department of Transportation; 105 IAC 9-2-89; filed Aug 29, 2003, 3:48 p.m.: 27 IR 28)*

105 IAC 9-2-90 Warrant 2, four-hour vehicular volume

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 90. Amend Section 4C.03 as follows: (a) Change the section heading to read as follows: "Section 4C.03 Criteria 2, Four-Hour Vehicular Volume".

(b) Change the first sentence in the section beneath "Support:" by deleting "warrant" and inserting "criteria".

(c) Beneath "Option:" in the section and above the preexisting paragraph beneath "Option:", add the following sentence and table: "When comparing vehicular volumes depicted in Figure 4C-1, the appropriate equations, as listed in Table 4C-2, may be used.".

Table 4C-2. Mathematical Equation Equivalency to Figure 4C-1

X = sum of both major street approach volumes		
Y = volume of a) single minor street approach or b) minor street high volume approach		
Number of Lanes		
Minor Street (Y)	Major Street (X)	Equation
2 or more	2 or more	If X => 1295, Y = 115 or Y = 879.232228 – 1.011380233X + 0.0003253082X^2
2 or more	1	If X => 1118, Y = 115 or Y = 651.50622395 – 0.7483745392X + 0.000240228X^2
1	2 or more	If X => 1340, Y = 80 or Y = 651.50622395 – 0.7483745392X + 0.000240228X^2
1	1	If X => 1142, Y = 80 or Y = 554.1310944 – 0.7134267844X + 0.0002312157X^2

(d) Beneath the last sentence in the section beneath "Option:" and above "Section 4C.04", add the following sentences and table:

"When comparing vehicular volumes depicted in Figure 4C-2, the appropriate equations, as listed in Table 4C-3, may be used.

Table 4C-3. Mathematical Equation Equivalency to Figure 4C-2

X = sum of both major street approach volumes		
Y = volume of a) single minor street approach or b) minor street high volume approach		
Number of Lanes		
Minor Street (Y)	Major Street (X)	Equation
2 or more	2 or more	If X => 890, Y = 80 or Y = 613.77772474 – 0.9893678281X + 0.0004377428X^2
2 or more	1	If X => 797, Y = 80 or Y = 460.53837044 – 0.7635806818X + 0.0003591016X^2
1	2 or more	If X => 940, Y = 60 or Y = 460.53837044 – 0.7635806818X + 0.0003591016X^2
1	1	If X => 782, Y = 60 or Y = 377.22710663 – 0.6793503652X + 0.0003501046X^2

When comparing vehicular volume of both approaches of the major street against the volume of the side street approaches, each side street approach may independently be evaluated against the criteria listed in Figure 4C-1, 4C-2, Table 4C-2 or Table 4C-3, as appropriate.". *(Indiana Department of Transportation; 105 IAC 9-2-90; filed Aug 29, 2003, 3:48 p.m.: 27 IR 29)*

105 IAC 9-2-91 Warrant 3, peak hour
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 91. Amend Section 4C.04 as follows: (a) Change the section heading to read as follows: "Section 4C.04 Criteria 3, Peak Hour".

(b) Change the first sentence in the section beneath "Support:" by deleting "warrant" and inserting "criteria".

(c) Change the second sentence in the section beneath "Standard:" by deleting "warrant" and inserting "criteria". *(Indiana Department of Transportation; 105 IAC 9-2-91; filed Aug 29, 2003, 3:48 p.m.: 27 IR 30)*

105 IAC 9-2-92 Figures 4C-1 and 4C-2
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 92. Change the headings in Figures 4C-1 and 4C-2 on page 4C-7 by deleting "Warrant" and inserting "Criteria". *(Indiana Department of Transportation; 105 IAC 9-2-92; filed Aug 29, 2003, 3:48 p.m.: 27 IR 30)*

105 IAC 9-2-93 Warrant 3, peak hour; section 4C.04
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 93. Amend Section 4C.04 as follows: (a) Change "1." beneath "Standard:" in the section to read as follows: "The total stopped time delay experienced, or estimated by the method described in the Highway Capacity Manual for unsignalized intersections, by the traffic on one minor-street approach (one direction only) controlled by a STOP sign equals or exceeds: 4 vehicle-hours for a one-lane approach; or 5 vehicle-hours for a two-lane approach, and".

(b) Beneath "Option:" and above the preexisting sentence beneath "Option:" in the section, add the following sentence and table: "When comparing vehicular volumes depicted in Figure 4C-3, the appropriate equations, as listed in Table 4C-4 may be used.".

Table 4C-4. Mathematical Equation Equivalency to Figure 4C-3

X = sum of both major street approach volumes		
Y = volume of a) single minor street approach or b) minor street high volume approach		
Number of Lanes		
Minor Street (Y)	Major Street (X)	Equation
2 or more	2 or more	If X => 1672, Y = 150 or Y =1060.5405451 – 0.889969286X + 0.0002059999X^2
2 or more	1	If X => 1461, Y = 150 or Y = 837.59424427 – 0.7219511908X + 0.0001720248X^2
1	2 or more	If X => 1759, Y = 100 or Y = 837.59424427 – 0.7219511908X + 0.0001720248X^2
1	1	If X => 1516, Y = 100 or Y = 745.652000052 – 0.7548866636X + 0.00021703X^2

(c) Beneath the last sentence in the section beneath "Option:" and above Section 4C.05, add the following sentences and table: "When comparing vehicular volumes depicted in Figure 4C-4, the appropriate equations, as listed in Table 4C-5 may be used.".

Table 4C-5. Mathematical Equation Equivalency to Figure 4C-4

X = sum of both major street approach volumes		
Y = volume of a) single minor street approach or b) minor street high volume approach		
Number of Lanes		
Minor Street (Y)	Major Street (X)	Equation
2 or more	2 or more	If X => 1183, Y = 100 or Y = 771.842673 – 0.9817221615X + 0.0003498922X^2
2 or more	1	If X => 1040, Y = 100 or Y = 593.38729059 – 0.7471500045X + 0.000262383X^2
1	2 or more	If X => 1196, Y = 75 or Y = 593.38729059 – 0.7471500045X + 0.000262383X^2
1	1	If X => 1054, Y = 75 or Y = 520.01155026 – 0.7647561999X + 0.0003250549X^2

"When comparing vehicular volume of both approaches of the major street against the volume of the side street approaches, each

side street approach may independently be evaluated against the criteria listed in Figure 4C-3, 4C-4, Table 4C-4 or Table 4C-5, as appropriate.". *(Indiana Department of Transportation; 105 IAC 9-2-93; filed Aug 29, 2003, 3:48 p.m.: 27 IR 30)*

105 IAC 9-2-94 Warrant 4, pedestrian volume
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 94. Amend Section 4C.05 as follows: (a) Change the section heading to read as follows: "Section 4C.05 Criteria 4, Pedestrian Volume".

(b) Change the first sentence in the section beneath "Support:" by deleting "warrant" and inserting "criteria". *(Indiana Department of Transportation; 105 IAC 9-2-94; filed Aug 29, 2003, 3:48 p.m.: 27 IR 31)*

105 IAC 9-2-95 Figures 4C-3 and 4C-4
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 95. Change the headings of Figures 4C-3 and 4C-4 on page 4C-9 by deleting "Warrant" and inserting "Criteria". *(Indiana Department of Transportation; 105 IAC 9-2-95; filed Aug 29, 2003, 3:48 p.m.: 27 IR 31)*

105 IAC 9-2-96 Warrant 4, pedestrian volume; section 4C.05
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 96. Amend Section 4C.05 as follows: (a) Change the second sentence beneath "Standard:" in the section by deleting "warrant" and inserting "criteria".

(b) Change the third sentence beneath "Standard:" and above "Guidance:" in the section by deleting "warrant" and inserting "criteria".

(c) Change the first sentence beneath "Guidance:" in the section by deleting "warrant" and inserting "criteria".

(d) Change "B." beneath "Guidance:" in the section to read as follows: "At an intersection, the traffic control signal should include pedestrian detectors if semi-actuated. Full-actuated operation with detectors on all approaches might also be appropriate.". *(Indiana Department of Transportation; 105 IAC 9-2-96; filed Aug 29, 2003, 3:48 p.m.: 27 IR 31)*

105 IAC 9-2-97 Warrant 5, school crossing
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 97. Amend Section 4C.06 as follows: (a) Change the section heading by deleting "Warrant" and inserting "Criteria".

(b) Change the first sentence in the section beneath "Support:" by deleting "warrant" and inserting "criteria".

(c) Chang *[sic.]* the first sentence in the third paragraph beneath "Standard:" in the section by deleting "warrant" and inserting "criteria".

(d) Beneath "Guidance:" and above the first sentence beneath "Guidance:" in the section, add the following sentence and table: "As an alternate to obtaining the actual number of available gaps, of adequate length, to permit for the safe crossing of the street by school children, actual vehicular volumes traversing the school cross-walk can be compared to the conditions denoted in Table 4C-6 for the purpose of determining the potential need for a traffic signal."

Table 4C-6. Vehicular Volume Equivalency For Insufficient Gaps In Vehicular Flow

Average Number of Children Per Minute	Width of Street Vehicular Volume (v.p.h.)			
	30′	40′	50′	60′
1 – 5	645	610	570	530

6 – 10	620	580	545	505
11 – 15	590	555	515	480
16 – 20	565	530	490	450
21 – 25	540	500	465	425
26 – 30	510	475	435	400
31 – 35	485	450	410	370

(e) Change the first sentence beneath "Guidance:" in the section by deleting "warrant" and inserting "criteria".

(f) Change "B." beneath "Guidance:" in the section to read as follows: "At an intersection, the traffic control signal should include pedestrian detectors if semi-actuated. Full-actuated operation with detectors on all approaches might also be appropriate.". *(Indiana Department of Transportation; 105 IAC 9-2-97; filed Aug 29, 2003, 3:48 p.m.: 27 IR 31)*

105 IAC 9-2-98 Warrant 6, coordinated signal system

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 98. Amend Section 4C.07 as follows: (a) Change the section heading by deleting "Warrant" and inserting "Criteria".

(b) Change the first sentence beneath "Standard:" in the section by deleting "criteria is" and inserting "conditions is".

(c) Change the first sentence beneath "Guidance:" in the section by deleting "warrant" and inserting "criteria".

(d) Beneath the last sentence in the section beneath "Guidance:" and above Section 4C.08, add the following sentence: "The Coordinated Signal System signal criteria should not be applied where the resultant traffic signal would be the first signal in the signal system.". *(Indiana Department of Transportation; 105 IAC 9-2-98; filed Aug 29, 2003, 3:48 p.m.: 27 IR 31)*

105 IAC 9-2-99 Warrant 7, crash experience

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 99. Amend Section 4C.08 as follows: (a) Change the section heading by deleting "Warrant" and inserting "Criteria".

(b) Change the first sentence in the section beneath "Support:" by deleting "warrant" and inserting "criteria".

(c) Change the first sentence beneath "Standard:" in the section by deleting "criteria" and inserting "conditions". *(Indiana Department of Transportation; 105 IAC 9-2-99; filed Aug 29, 2003, 3:48 p.m.: 27 IR 32)*

105 IAC 9-2-100 Warrant 8, roadway network

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 100. Amend Section 4C.09 as follows: (a) Change the section heading by deleting "Warrant" and inserting "Criteria".

(b) Change the first sentence beneath "Standard:" in the section by deleting "criteria" and inserting "conditions".

(c) Change the sentence beneath "B." that is beneath "Standard:" in the section and above "A." by deleting "warrant" and inserting "criteria".

(d) Change the sentence in the second "B." in the section to read as follows: "It includes rural or suburban highways which are adjacent to, entering, or traversing a city; or". *(Indiana Department of Transportation; 105 IAC 9-2-100; filed Aug 29, 2003, 3:48 p.m.: 27 IR 32)*

105 IAC 9-2-101 General

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 101. Amend Section 4D.01 as follows: (a) Change the last sentence beneath "Standard:" and above "Guidance:" in the section to read as follows: "When a traffic control signal is not in operation, such as before it is placed in service, during seasonal

shutdowns, or when it is not desirable to operate the traffic control signal, the signal faces shall be covered or taken down to clearly indicate that the traffic control signal is not in operation.".

(b) Change the last section in the section above Section 4D.02,to read as follows: "Since traffic flows and patterns change, phasing and timing should be reviewed and updated, as needed to ensure that it satisfies current traffic demand.". *(Indiana Department of Transportation; 105 IAC 9-2-101; filed Aug 29, 2003, 3:48 p.m.: 27 IR 32)*

105 IAC 9-2-102 Meaning of vehicular signal indications

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 102. Amend Section 4D.04 as follows: (a) Change the first sentence in the second paragraph of "C." "1." in the section to read as follows: "Except when a sign is in place prohibiting a turn on red, vehicular traffic facing a CIRCULAR RED signal indication may enter the intersection to turn right, or to turn left from a one-way street into a one-way street, after stopping.".

(b) Delete "C." "2." in the section by deleting the following sentence: "Vehicular traffic facing a steady RED ARROW signal indication shall not enter the intersection to make the movement indicated by the arrow (except as described in the Option below) and, unless entering the intersection to make another movement permitted by another signal indication, shall stop at a clearly marked stop line; but if there is no stop line, before entering the crosswalk on the near side of the intersection, or if there is no crosswalk, then before entering the intersection, and shall remain stopped until a signal indication permitting the movement indicated by such RED ARROW is shown.".

(c) Change the sentence in "C." "3." in the section by deleting "or RED ARROW".

(d) Change the sentence in "D." "3." in the section to read as follows: "A flashing YELLOW ARROW signal indication has the same meaning as the corresponding flashing circular signal indication, except that it applies only to vehicular traffic intending to make the movement indicated by the arrow.".

(e) Delete the following from the end of the section, above Section 4D.05: "Option: Where turns are allowed on red and the signal indication is an arrow, a sign may be used to indicate that turns are allowed on red after stopping.". *(Indiana Department of Transportation; 105 IAC 9-2-102; filed Aug 29, 2003, 3:48 p.m.: 27 IR 33)*

105 IAC 9-2-103 Application of steady signal indications

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 103. Amend Section 4D.05 as follows: (a) Delete "D." in the section by deleting the following two (2) sentences: "A steady RED ARROW signal indication shall be displayed when it is intended to prohibit traffic, except pedestrians directed by a pedestrian signal head, from entering the intersection or other controlled area to make the indicated turn. Turning on a steady RED ARROW signal indication shall not be permitted.".

(b) Change the sentence in "E." "2." in the section to read as follows: "Shall not be displayed in conjunction with the change from a CIRCULAR RED signal indication to a GREEN ARROW signal indication.".

(c) Change the sentence in "E." "4." in the section by deleting "a RED ARROW signal indication for the same direction or".

(d) Change the sentence in "E." "4." "(a)" in the section to read as follows: "When entering preemption operation, the return to the previous GREEN ARROW signal indication shall be permitted following a YELLOW ARROW signal indication. (see Section 4D.13).".

(e) Change the first sentence beneath "Option:" in the section by deleting "RED ARROW". *(Indiana Department of Transportation; 105 IAC 9-2-103; filed Aug 29, 2003, 3:48 p.m.: 27 IR 33)*

105 IAC 9-2-104 Application of steady signal indications for left turns

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 104. Amend Section 4D.06 as follows: (a) Delete "B." "1." beneath "Standard:" in the section by deleting "Left-turn RED ARROW, YELLOW ARROW, and GREEN ARROW signal indications only. At least one left-turn signal face shall be provided

in addition to the two approach signal faces required in Section 4D.15 for the through movement. Only one of the three colors shall be illuminated at any given time. A signal instruction sign shall not be required with this set of signal indications. If used, it shall be a LEFT ON GREEN ARROW ONLY sign (R10-5); or".

(b) Change the last sentence of "B." "2." beneath "Standard:" in the section by deleting "or a visibility limited CIRCULAR RED signal indication". *(Indiana Department of Transportation; 105 IAC 9-2-104; filed Aug 29, 2003, 3:48 p.m.: 27 IR 33)*

105 IAC 9-2-105 Application of steady signal indications for right turns

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 105. Amend Section 4D.07 as follows: (a) Change the second sentence of "A." beneath "Standard:" in the section by deleting ", except that if the right turn is held to provide an exclusive pedestrian movement, a separate right turn RED ARROW signal indication shall be provided".

(b) Delete "B." "1." beneath "Standard:" in the section by deleting "Right-turn RED ARROW, YELLOW ARROW, and GREEN ARROW signal indications only. At least one right-turn signal face shall be provided in addition to the two approach signal faces required in Section 4D.15 for the through movement. Only one of the three colors shall be illuminated at any given time. A signal instruction sign shall not be required with this set of signal indications. If used, it shall be a RIGHT ON GREEN ARROW ONLY sign (R10-5a); or". *(Indiana Department of Transportation; 105 IAC 9-2-105; filed Aug 29, 2003, 3:48 p.m.: 27 IR 34)*

105 IAC 9-2-106 Prohibited steady signal indications

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 106. Amend Section 4D.08 by deleting "straight-through RED ARROW signal indication or a" from the last sentence in the section, above Section 4D.09. *(Indiana Department of Transportation; 105 IAC 9-2-106; filed Aug 29, 2003, 3:48 p.m.: 27 IR 34)*

105 IAC 9-2-107 Unexpected conflicts during green or yellow intervals

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 107. Amend Section 4D.09 by deleting "Guidance: No movement that creates an unexpected crossing of pathways of moving vehicles or pedestrians should be allowed during any green or yellow interval, except when all three of the following conditions are met:

A. The movement involves only slight conflict, and

B. Serious traffic delays are substantially reduced by permitting the conflicting movements, and

C. Drivers and pedestrians subjected to the unexpected conflict are effectively warned thereof by a sign.".

(Indiana Department of Transportation; 105 IAC 9-2-107; filed Aug 29, 2003, 3:48 p.m.: 27 IR 34)

105 IAC 9-2-108 Yellow change and red clearance intervals

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 108. Change the first sentence beneath the first "Standard:" in Section 4D.10 to read as follows: "A yellow signal indication shall be displayed following every CIRCULAR GREEN or GREEN ARROW signal indication, except as noted in Section 4H.02.". *(Indiana Department of Transportation; 105 IAC 9-2-108; filed Aug 29, 2003, 3:48 p.m.: 27 IR 34)*

105 IAC 9-2-109 Application of flashing signal indications

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 109. Amend Section 4D.11 as follows: (a) Change the first sentence in "B." in the section by deleting "or RED ARROW".

(b) Delete "C." from the section by deleting "The appropriate RED ARROW or YELLOW ARROW signal indication shall be flashed when a signal face consists entirely of arrow lenses.". *(Indiana Department of Transportation; 105 IAC 9-2-109; filed Aug 29, 2003, 3:48 p.m.: 27 IR 34)*

105 IAC 9-2-110 Size, number, and location of signal faces by approach

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 110. Amend Section 4D.15 as follows: (a) Change the sentence in "D." beneath the first "Guidance:" in the section to read as follows: "Locations where elderly drivers are of special concern.".

(b) Change the sentence in "A." beneath the second "Standard:" in the section by deleting ", even if the major movement is a turning movement".

(c) Change the heading of Figure 4D-2 on page 4D-26 to read as follows: "Figure 4D-2. Typical Horizontal and Longitudinal Location of Signal Faces".

(d) Change the sentence in the second paragraph beneath the second "Guidance:" in the section by deleting "or if a left turn movement represents the major movement from an approach,".

(e) Change the sentence in the third paragraph beneath the second "Guidance:" in the section by deleting "or if a right turn movement represents the major movement from an approach,".

(f) Change the sentence in the fifth paragraph beneath the second "Guidance:" in the section to read as follows: "If a signal face controls a specific movement from a lane or lanes of an approach, its position should make it readily visible to road users making that movement.". *(Indiana Department of Transportation; 105 IAC 9-2-110; filed Aug 29, 2003, 3:48 p.m.: 27 IR 34)*

105 IAC 9-2-111 Number and arrangements of signal sections in vehicular traffic control signal faces

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 111. Amend Section 4D.16 as follows: (a) Change the first sentence in the section beneath "Standard:" to read as follows: "Each signal face at a signalized location shall have one to five signal sections. For usage of a two section signal face, see Section 4H.02.".

(b) Change the second sentence in the section beneath "Standard:" to read as follows: "A single-section signal face shall only be permitted at a traffic control signal if it consists of a continuously illuminated GREEN ARROW signal lens that is being used to indicate a continuous movement.".

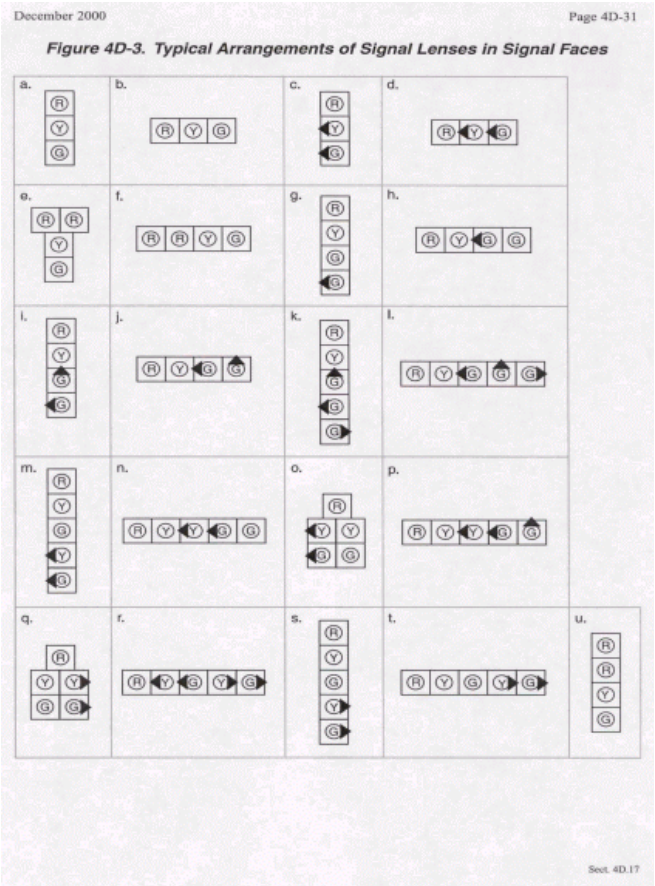
(c) Change the column beneath the second "A." in the section by deleting "Left turn RED ARROW" and "Right turn RED ARROW".

(d) Change the column beneath the second "B." in the section by deleting "Left turn RED ARROW" and "Right turn RED ARROW". *(Indiana Department of Transportation; 105 IAC 9-2-111; filed Aug 29, 2003, 3:48 p.m.: 27 IR 35)*

105 IAC 9-2-112 Figure 4D-3

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 112. Amend Figure 4D-3 on page 4D-31 in Section 4D.17 by replacing it with the following figure:



(Indiana Department of Transportation; 105 IAC 9-2-112; filed Aug 29, 2003, 3:48 p.m.: 27 IR 35)

105 IAC 9-2-113 Temporary traffic control signals; section 4D.20

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 113. Amend Section 4D.20 as follows: (a) Change the first paragraph in the section beneath "Standard:" to read as follows: "A temporary traffic control signal shall be defined as a traffic control signal that is installed for a limited time period. A portable traffic control signal shall be defined as a temporary traffic control signal that is designed so that it can be easily transported and reused at different locations. Portable traffic control signals shall not be permitted upon the roadway system.".

(b) Change "D." in the section to read as follows: "Be placed in the flashing mode during periods when it is not desirable to operate the signal, or the signal heads shall be covered or taken down to indicate that the signal is not in operation.". *(Indiana Department of Transportation; 105 IAC 9-2-113; filed Aug 29, 2003, 3:48 p.m.: 27 IR 35)*

105 IAC 9-2-114 Traffic signal signs, auxiliary

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 114. Amend Section 4D.21 as follows: (a) Change the first sentence beneath "Standard:" in the section to read as follows: "The minimum clearance of the total assembly of traffic signs shall conform to the provisions of Section 4D.17.".

(b) Change the second sentence beneath "Standard:" in the section to read as follows: "If used, illuminated traffic signs shall be designed and mounted in such a manner as to avoid glare and reflections that seriously detract from the signal indications.".

(c) Change the last sentence in the section beneath "Guidance:" to read as follows: "When a traffic sign at a highway traffic signal is applicable to a particular movement, the sign should be located adjacent to the signal face for that movement.". *(Indiana Department of Transportation; 105 IAC 9-2-114; filed Aug 29, 2003, 3:48 p.m.: 27 IR 36)*

105 IAC 9-2-115 Application of pedestrian signal heads
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 115. Amend Section 4E.03 as follows: (a) Change "A." beneath "Standard:" in the section to read as follows: "If a traffic control signal is justified by a traffic engineering study and meets either Criteria 4, Pedestrian Volume or Criteria 5, School Crossing (see Chapter 4C):".

(b) Delete "D." beneath "Standard:" in the section by deleting "When multiphase signal indications (as with split-phase timing) would tend to confuse pedestrians guided only be vehicular signal indications.". *(Indiana Department of Transportation; 105 IAC 9-2-115; filed Aug 29, 2003, 3:48 p.m.: 27 IR 36)*

105 IAC 9-2-116 Size, design, and illumination of pedestrian signal indications
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 116. Change the first sentence beneath "Guidance:" in Section 4E.04 by deleting "conspicuous" and inserting "visible". *(Indiana Department of Transportation; 105 IAC 9-2-116; filed Aug 29, 2003, 3:48 p.m.: 27 IR 36)*

105 IAC 9-2-117 Accessible pedestrian signals
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 117. Change the third sentence beneath the first "Standard:" in Section 4E.06 by deleting "stop and go" and inserting "steady". *(Indiana Department of Transportation; 105 IAC 9-2-117; filed Aug 29, 2003, 3:48 p.m.: 27 IR 36)*

105 IAC 9-2-118 Figure 4E-2
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 118. Change the heading for Figure 4E-2 on page 4E-11 in Section 4E.08 by deleting "Recommended" and inserting "Typical". *(Indiana Department of Transportation; 105 IAC 9-2-118; filed Aug 29, 2003, 3:48 p.m.: 27 IR 36)*

105 IAC 9-2-119 Fundamental principles of temporary traffic control
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 119. Change the first sentence in the second "D." beneath the second "Guidance:" in Section 6B.01 by deleting "warranted" and inserting "needed". *(Indiana Department of Transportation; 105 IAC 9-2-119; filed Aug 29, 2003, 3:48 p.m.: 27 IR 36)*

105 IAC 9-2-120 Tapers
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 120. Amend Section 6C.08 as follows: (a) Change the first sentence beneath "Guidance:" in the section by deleting "and should be the minimum used".

(b) Change the second sentence beneath "Guidance:" in the section by deleting "maximum".

(c) Change the last line in Table 6C-2 on page 6C-10 as follows:

Downstream Taper (optional)	30 m (100 ft) per lane

(Indiana Department of Transportation; 105 IAC 9-2-120; filed Aug 29, 2003, 3:48 p.m.: 27 IR 36)

105 IAC 9-2-121 General characteristics of signs

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 121. Amend Section 6F.02 beneath the first "Option:" and above the first sentence beneath "Option:" in the section by adding the following sentence: "Under emergency situations, standard warning and guide signs may be used if the orange warning or guide signs are not readily available.". *(Indiana Department of Transportation; 105 IAC 9-2-121; filed Aug 29, 2003, 3:48 p.m.: 27 IR 37)*

105 IAC 9-2-122 Sign placement

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 122. Change the sentence beneath the third "Guidance:" in Section 6F.03 by deleting "3" and inserting "7". *(Indiana Department of Transportation; 105 IAC 9-2-122; filed Aug 29, 2003, 3:48 p.m.: 27 IR 37)*

105 IAC 9-2-123 Road (street) work sign (W20-1)

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 123. Amend Section 6F.17 beneath the sentence beneath "Guidance:" and above "Standard:" by adding the following: "Option: The words, or word, ROAD CONSTRUCTION, or CONSTRUCTION, may be substituted for the words ROAD WORK on any temporary traffic control signs.". *(Indiana Department of Transportation; 105 IAC 9-2-123; filed Aug 29, 2003, 3:48 p.m.: 27 IR 37)*

105 IAC 9-2-124 Road work next xx km (miles) sign (G20-1)

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 124. Amend Section 6F.48 beneath "Option:" and above the preexisting paragraph beneath "Option:" by adding the following sentence: "The words, or word, ROAD CONSTRUCTION, or CONSTRUCTION, may be substituted for the words ROAD WORK on any temporary traffic control signs.". *(Indiana Department of Transportation; 105 IAC 9-2-124; filed Aug 29, 2003, 3:48 p.m.: 27 IR 37)*

105 IAC 9-2-125 End road work sign (G20-2a)

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 125. Amend Section 6F.49 beneath "Option:" and above the preexisting sentence beneath "Option:" by adding the following sentence: "The words, or word, ROAD CONSTRUCTION, or CONSTRUCTION, may be substituted for the words ROAD WORK on any temporary traffic control signs.". *(Indiana Department of Transportation; 105 IAC 9-2-125; filed Aug 29, 2003, 3:48 p.m.: 27 IR 37)*

105 IAC 9-2-126 Portable changeable message signs
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 126. Change the first paragraph in Section 6F.52 beneath "Standard" to read as follows: "Portable Changeable Message signs shall be temporary traffic control devices with the flexibility to display a variety of messages. Each message shall consist of either one or two phases under normal circumstances. Due to extra ordinary, or unusual circumstances, there shall be no more than three phases. A phase shall consist of up to three lines of eight characters per line.". *(Indiana Department of Transportation; 105 IAC 9-2-126; filed Aug 29, 2003, 3:48 p.m.: 27 IR 37)*

105 IAC 9-2-127 Temporary traffic control signals; section 6F.74
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 127. Amend Section 6F.74 as follows: (a) Add the following sentence beneath the paragraph beneath the second "Standard:" and above the first "Guidance:" in the section: "Temporary traffic control signals shall not be mounted on trailers or lightweight portable supports.".

(b) Delete the following beneath the first "Guidance:" in the section: "Option: Temporary traffic control signals may be portable or temporarily mounted on fixed supports.
Guidance:".

(c) Change the sentence beneath "T." and above "Guidance:" in the section to read as follows: "Temporary traffic control signals can not be mounted on trailers or lightweight portable supports. Fixed supports offer superior resistance to displacement or damage by severe weather, vehicle impact, and vandalism.". *(Indiana Department of Transportation; 105 IAC 9-2-127; filed Aug 29, 2003, 3:48 p.m.: 27 IR 37)*

105 IAC 9-2-128 Location of work
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 128. Amend Section 6G.03 as follows: (a) Change the last paragraph in the section beneath "Standard:" to read as follows: "When the work space is within the traveled way, except for short-duration and mobile operations, advance warning shall provide a general message that work is taking place, shall supply information about applicable lane restrictions or usage, and shall indicate how motor vehicle traffic can move through the temporary traffic control zone.".

(b) Add the following beneath the last paragraph in the section beneath "Standard:" and above Section 6G.04: "Option: When the work space is within the traveled way, except for short-duration and mobile operations, advance warning may supply information about highway conditions, as applicable.". *(Indiana Department of Transportation; 105 IAC 9-2-128; filed Aug 29, 2003, 3:48 p.m.: 27 IR 38)*

105 IAC 9-2-129 Work on the shoulder with minor encroachment
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 129. Amend Section 6G.07 as follows: (a) Change the second sentence in the section beneath "Guidance:" to read as follows: "Unless the lane encroachment permits a remaining lane width of 3 m (10 ft), the lane should normally be closed.".

(b) Change the third sentence in the section beneath "Guidance:" by deleting "minimum". *(Indiana Department of Transportation; 105 IAC 9-2-129; filed Aug 29, 2003, 3:48 p.m.: 27 IR 38)*

105 IAC 9-2-130 Typical applications
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 130. Amend Section 6H.01 as follows: (a) Change the sentence in "1." on page 6H-16 to read as follows: "All lanes should normally be 3 m (10 ft), or more, in width as measured to the near face of the channelizing devices.".

(b) Change the paragraph in "1." on page 6H-28 to read as follows: "Temporary traffic control signals shall be installed and operated in accordance with the provisions of Part 4. Temporary traffic control signals shall meet the physical display and operational requirements of conventional traffic control signals. The location of the traffic signals in Figure 6H-12 only depicts the number of signal indications and do not indicate the actual location, vertical or horizontally, in relation to the motorists line of sight.".

(c) Change the paragraph in "7." on page 6H-32 to read as follows: "The temporary traffic control signals shall control both the highway and the haul road and shall meet the physical display and operational requirements of conventional traffic control signals as described in Part 4. The location of the traffic signals in Figure 6H-14 only depicts the necessity for locating the traffic signals for visibility from each approach. Traffic control signal timing shall be established by authorized officials.".

(d) Change the sentence in "1." on page 6H-34 to read as follows: "The lanes on either side of the center work space should normally have a minimum width of 3 m (10 ft), or more, as measured from the near edge of the channelizing devices to the edge of pavement or the outside edge of paved shoulder.".

(e) Change the sentence in "2." on page 6H-56 to read as follows: "All lanes should normally be 3 m (10 ft), or more, in width as measured to the near face of the channelizing devices.".

(f) Change the sentence in "1." on page 6H-60 to read as follows: "Where sidewalks exist, provisions shall be made for disabled pedestrians, if the sidewalk is normally accessible to disabled pedestrians.".

(g) Change the sentence in "1." on page 6H-62 to read as follows: "Where sidewalks exist, provisions shall be made for disable persons, if the sidewalk is normally accessible to disable persons.".

(h) Change the sentence in "2." on page 6H-68 to read as follows: "Where channelizing devices are used instead of pavement markings, the normal spacing should be 0.1 S meters, or less, where S is the speed in km/h (0.5 S feet where S is the speed in mph).". *(Indiana Department of Transportation; 105 IAC 9-2-130; filed Aug 29, 2003, 3:48 p.m.: 27 IR 38)*

105 IAC 9-2-131 Need for standards

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 131. Amend Section 7A.01 as follows: (a) Change the first sentence in the second paragraph beneath the first "Support:" in the section to read as follows: "Pedestrian and school traffic safety depends upon public understanding of accepted methods for efficient traffic control.".

(b) Add the following sentence after the last paragraph beneath the first "Support:" and above the first "Guidance:" in the section: "A school traffic control plan that designates the minimum number of required school pedestrian crosswalks generally improves the school pedestrian flow and lessens the conflicts with motor vehicle traffic.".

(c) Change the first sentence beneath the first "Guidance:" in the section to read as follows: "A school traffic control plan for each school serving elementary to high school students should be prepared in order to develop uniformity in the use of school area traffic controls and to serve as the basis for a school traffic control plan for each school.".

(d) Change the second paragraph beneath the first "Guidance:" in the section to read as follows: "The school traffic control plan, developed in a systematic manner by the school, law enforcement, and traffic officials responsible for school (pedestrian and vehicular traffic) safety, should consist of a map showing streets, the school, existing traffic controls, established school walk routes, and established school crossings. One example of a school traffic control plan map is shown in Figure 7A-1.".

(e) Change the heading for Figure 7A-1 on page 7A-2 to read as follows: "Figure 7A-1. Typical School Traffic Control Plan Map". *(Indiana Department of Transportation; 105 IAC 9-2-131; filed Aug 29, 2003, 3:48 p.m.: 27 IR 39)*

105 IAC 9-2-132 Size of school signs

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 132. Amend Section 7B.01 as follows: (a) Change the second paragraph in the section beneath "Support:" to read as

follows: "The standard sign size shall be used on public roads, streets, and highways unless engineering judgment determines that a minimum or special sign size would be more appropriate.".

(b) Change the last sentence in the section above Section 7B.02 to read as follows: "The minimum sign size may be used on local residential streets, in urban areas, and where there are low traffic volumes or low vehicle speeds, or other conditions as determined by engineering judgment.". *(Indiana Department of Transportation; 105 IAC 9-2-132; filed Aug 29, 2003, 3:48 p.m.: 27 IR 39)*

105 IAC 9-2-133 Table 7B-1

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 133. Amend Table 7B-1 on page 7B-2 by adding the following table beneath the fourth listing under "Sign" and above "Plaque":

Watch for School Bus	S3-Y2	30 × 30 in	36 × 36 in	48 × 48 in
Stop When School Bus Stops	SR5-Y1	24 × 24 in	24 × 24 in	24 × 24 in
All Lanes Stop When School Bus Stops	SR5-Y2	36 × 36 in	36 × 36 in	36 × 36 in

(Indiana Department of Transportation; 105 IAC 9-2-133; filed Aug 29, 2003, 3:48 p.m.: 27 IR 39)

105 IAC 9-2-134 Position of signs

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 134. Change the last paragraph in Section 7B.03 beneath "Option:" and above Section 7B.04 by deleting "not less than". *(Indiana Department of Transportation; 105 IAC 9-2-134; filed Aug 29, 2003, 3:48 p.m.: 27 IR 39)*

105 IAC 9-2-135 Sign color for school warning signs

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 135. Amend Section 7B.07 as follows: (a) Change "F." and "G." beneath "Option:" in the section to read as follows: "F. AHEAD plaque (W16-9p), G. Diagonal Arrow plaque (W16-7): and".

(b) After "G." beneath "Option:" in the section and above "Guidance:", add the following: "H. Watch for School Bus (S3-Y2).". *(Indiana Department of Transportation; 105 IAC 9-2-135; filed Aug 29, 2003, 3:48 p.m.: 27 IR 39)*

105 IAC 9-2-136 School advance warning sign (S1-1)

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 136. Amend Section 7B.08 as follows: (a) Delete the second sentence in the section beneath "Standard:" by deleting "If used, the School Advance Warning (S1-1) sign shall be installed not less than 45 m (150 ft) nor more than 210 m (700 ft) in advance of the school grounds or school crossings (see Figure 7B-1).".

(b) Change the third sentence in the section (before the deletion in subsection (a) above) beneath "Standard:" to read as follows: "The School Advance Warning sign shall be used in advance of, or adjacent to, the first installation the School Speed Limit sign assembly.".

(c) Beneath "Guidance:" and above the last sentence in the section, add the following sentence: "The School Advance Warning (S1-1) sign should be installed not less than 45 m (150 ft) nor more than 210 m (700 ft) in advance of the school grounds or school crossings or as determined by engineering judgment (see Figure 7B-1).". *(Indiana Department of Transportation; 105 IAC 9-2-136; filed Aug 29, 2003, 3:48 p.m.: 27 IR 40)*

105 IAC 9-2-137 Signs S3-Y2, SR5-Y1, and SR5-Y2
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 137. Amend the sign illustration page on page 7B-5 in Section 7B.09 by adding the following signs:

S3 –Y2

SR5 – Y1

SR5 – Y2

(Indiana Department of Transportation; 105 IAC 9-2-137; filed Aug 29, 2003, 3:48 p.m.: 27 IR 40)

105 IAC 9-2-138 School bus stop ahead sign (S3-1)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 138. Amend Section 7B.10 to read as follows: "Guidance: The SCHOOL BUS STOP AHEAD (S3-1) sign should be installed in advance of locations where a school bus, when stopped to pick up or discharge passengers, is not visible for a distance of approximately 150 m (500 ft) in advance and where there is no opportunity to relocate the bus stop to provide approximately 150 m (500 ft) of visibility.

It is not intended that these signs be used everywhere a school bus stops to pick up or discharge passengers but for use only where terrain and roadway features limit the approach sight distance and where there is no opportunity to relocate the stop to another location with adequate visibility. The need for these signs should be determined by a field investigation and engineering judgment.".
(Indiana Department of Transportation; 105 IAC 9-2-138; filed Aug 29, 2003, 3:48 p.m.: 27 IR 40)

105 IAC 9-2-139 Stop line markings
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 139. Amend Section 7C.04 as follows: (a) Add the following two (2) sentences beneath "Standard:" in the section: "Stop lines shall comply with the Standards, Guidance and Options in Section 3B.16 of Part 3: Pavement Markings.

Stop lines at signalized locations shall be placed such that they are in compliance to the applicable Standards, Guidance and Options of Section 4D.15 of Part 4: Highway Traffic Signals.".

(b) Delete the following beneath "Standard:" in the section: "Stop lines shall consist of solid white lines extending across approach lanes to indicate the point at which the stop is intended or required to be made.

Guidance: Stop lines should be 30 to 600 mm (12 to 24 in) wide. Stop lines should be used to indicate the point behind which vehicles are required to stop, in compliance with a STOP sign or traffic signal. Stop lines, if used, should be placed 1.2 m (4 ft) in advance of the nearest crosswalk line, except at roundabouts as provided for in Section 3B.24. In the absence of a marked crosswalk, the stop line should be placed at the desired stopping point, but should be place no more than 9 m (30 ft) nor less than 1.2 m (4 ft) from the nearest edge of the intersecting traveled way.

Stop lines should be placed to ensure sufficient sight distance for all approaches to an intersection. Stop lines at mid-block signalized locations should be placed at least 12 m (40 ft) in advance of the nearest signal indication (see Section 4D.15).". *(Indiana Department of Transportation; 105 IAC 9-2-139; filed Aug 29, 2003, 3:48 p.m.: 27 IR 40)*

105 IAC 9-2-140 Curb markings for parking regulations

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 140. Amend Section 7C.05 as follows: (a) Add the following sentence beneath "Standard:" in the section: "Curb markings shall comply with the applicable Standards, Guidance and Options in Section 3B.21 of Part 3: Pavement Markings.".

(b) Delete the following beneath "Standard:" in the section: "Signs shall be used with curb markings in those areas where curb markings are frequently obliterated by snow and ice accumulation, unless the no parking zone is controlled by statute or local ordinance.

Guidance: When curb markings are used without signs to convey parking regulations, a legible word marking regarding the regulation (such as "No Parking" or "No Standing") should be placed on the curb.

Option: Local authorities may prescribe special colors for curb markings to supplement standard signs for parking regulation.". *(Indiana Department of Transportation; 105 IAC 9-2-140; filed Aug 29, 2003, 3:48 p.m.: 27 IR 41)*

105 IAC 9-2-141 Pavement word and symbol markings

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 141. Amend Section 7C.06 as follows: (a) Add the following sentence beneath "Standard:" in the section: "Pavement word and symbol markings shall comply with the applicable Standards, Guidance, and Options in Section 3B.19 of Part 3: Pavement Markings.".

(b) Delete the following beneath "Standard:" in the section: "Word and symbol markings shall be white. Word and symbol markings shall not be used for mandatory messages except in support of standard signs.

Guidance: Large letters and numerals should be 1.8 m (6 ft) or more in height. All letters, numerals, and symbols should be in accordance with the "Standard Alphabets for Highway Signs and Pavement Markings.

Word and symbol markings should not exceed three lines of information.

If a pavement marking word message consists of more than one line of information, it should read in the direction of travel. The first word of the message should be nearest to the road user.

The longitudinal space between word or symbol message markings, including arrow markings, should be at least four times the height of the characters for low speed roads, but not more than ten times the height of the characters under any conditions.". *(Indiana Department of Transportation; 105 IAC 9-2-141; filed Aug 29, 2003, 3:48 p.m.: 27 IR 41)*

105 IAC 9-2-142 Adult guards

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 142. Amend Section 7E.02 by adding the following above "Option:" in the section: "Support: Normally, adult guards are preferred over traffic signals only for protection of school crossings. Adult guards provide positive guidance to the school pedestrian.

Some local governments require that adult guards be special police officers appointed by the local police agency. If the adult guards are special police officers, the local police agency should be responsible for the selection, training and supervision of adult guards.". *(Indiana Department of Transportation; 105 IAC 9-2-142; filed Aug 29, 2003, 3:48 p.m.: 27 IR 41)*

105 IAC 9-2-143 Qualifications of adult guards

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 143. Amend Section 7E.03 as follows: (a) Add the following sentence beneath "Guidance:" in the section: "Adult guards should be conscientious, responsible, and able to fulfill the duties of being a guard.".

(b) Delete the following beneath "Guidance:" in the section: "Adult guards should possess the following qualifications:

A. Average intelligence
B. Good physical condition, including sight, hearing, and mobility
C. Mental alertness
D. Neat appearance
E. Good character
F. Dependability; and
G. Sense of responsibility for safety of students.".

(Indiana Department of Transportation; 105 IAC 9-2-143; filed Aug 29, 2003, 3:48 p.m.: 27 IR 42)

105 IAC 9-2-144 Uniform of adult guards and student patrols

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 144. Amend Section 7E.04 as follows: (a) Delete the following beneath "Guidance:" in the section: "Adult guards should be uniformed so that road users and pedestrians can recognize them and respond to their signals. The uniforms should be distinctively different from those worn by regular police officers.".

(b) Add the following beneath the last sentence in the section beneath "Guidance:" and above Section 7E.05: "Option: Adult guards may be uniformed so that road users and pedestrians can recognize them and respond to their signals. If used, the uniforms should be distinctively different from those worn by regular police officers.". *(Indiana Department of Transportation; 105 IAC 9-2-144; filed Aug 29, 2003, 3:48 p.m.: 27 IR 42)*

105 IAC 9-2-145 Student patrols

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 145. Amend Section 7E.07 by adding the following sentence beneath the last sentence in the section beneath "Guidance:" and above Section 7E.08: "Student patrols should be authorized by the local school board. School authorities should be responsible for organizing, instructing, and supervising patrols with the assistance of the local police.". *(Indiana Department of Transportation; 105 IAC 9-2-145; filed Aug 29, 2003, 3:48 p.m.: 27 IR 42)*

105 IAC 9-2-146 Criteria for use of grade-separated crossings

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 146. Amend Section 7F.03 by adding the following sentence beneath the last sentence in the section beneath "Guidance:": "Warrants for grade separations should be based on an investigation as described in FHWA Publication No. FHWA-1P-88-019

dated March 1989 "Planning Design and Maintenance of Pedestrian Facilities." or the latest edition.". *(Indiana Department of Transportation; 105 IAC 9-2-146; filed Aug 29, 2003, 3:48 p.m.: 27 IR 42)*

105 IAC 9-2-147 Part 8 table of contents
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 147. Amend the Part 8 Table of Contents on page TC8-1 by adding the following beneath "Section 8B.18" and above Chapter 8C.:
"Section 8B.19 Buzz Strips . . . . . 8B-15".
(Indiana Department of Transportation; 105 IAC 9-2-147; filed Aug 29, 2003, 3:48 p.m.: 27 IR 42)

105 IAC 9-2-148 Introduction; section 8A.01
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 148. Amend Section 8A.01 as follows: (a) Add the following sentence beneath the second paragraph and above the third paragraph in the section beneath "Support:": "When railroad vehicles operate along streets and highways in mixed traffic with automotive vehicles, engineering judgment should be used to apply the traffic controls and associated standards and guidelines for highway-light rail transit vehicle mixed use operation presented in Part 10 as they are applicable to the railroad situation.".

(b) Add the following five (5) sentences beneath the fourth paragraph in the section beneath "Support:" and above "Standard:": "The Indiana Department of Transportation (INDOT) has the regulatory authority (by Indiana Code) to order installation of active warning devices at any crossing. However, local agencies also have the authority (by Indiana Code) to install or upgrade the warning devices at crossings by entering into agreements with railroads by mutual consent without INDOT intervention or regulatory approval. Local agencies also have the authority to install stop signs at crossings by adopting a stop sign ordinance just as they would for stop signs at any other highway intersection. While highway agencies are typically responsible for determining the need and type of warning devices at highway-rail crossings, nothing precludes a railroad from initiating a request for such a study. Further, railroad input may be needed to complete such a study, and their cooperation and participation is needed for any installation beyond standard crossbucks.". *(Indiana Department of Transportation; 105 IAC 9-2-148; filed Aug 29, 2003, 3:48 p.m.: 27 IR 42)*

105 IAC 9-2-149 Use of standard devices, systems, and practices; section 8A.02
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 149. Change the second sentence in Section 8A.02 beneath "Guidance:" to read as follows: "The appropriate traffic control system should be determined by an engineering study by the highway agency or regulatory authority with input from the railroad company as needed. See Section 8A.01 for additional guidance.". *(Indiana Department of Transportation; 105 IAC 9-2-149; filed Aug 29, 2003, 3:48 p.m.: 27 IR 42)*

105 IAC 9-2-150 Uniform provisions; section 8A.03
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 150. Amend Section 8A.03 as follows: (a) Add the following three (3) sentences beneath the first sentence in the section beneath "Standard:": "When blank out signs are used, the message shall be white letters or symbols formed by illuminating dots or areas on a black background. The red prohibition circle with slash shall be formed with red dots or areas on the black background. No message or part of the message shall be visible when the blank out sign is not activated.".

(b) Change the last sentence in the section beneath "Guidance:" by deleting "used" and inserting "considered for use.". *(Indiana Department of Transportation; 105 IAC 9-2-150; filed Aug 29, 2003, 3:48 p.m.: 27 IR 43)*

105 IAC 9-2-151 Purpose
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 151. Amend Section 8B.01 by adding the following sentence beneath the last sentence in the section beneath "Support:" and above Section 8B.02: "Indiana Code requires the railroad company to install and maintain the Highway-Rail Grade Crossing (Crossbuck) Signs and Number of Tracks Signs.". *(Indiana Department of Transportation; 105 IAC 9-2-151; filed Aug 29, 2003, 3:48 p.m.: 27 IR 43)*

105 IAC 9-2-152 Highway-rail grade crossing (crossbuck) signs (R15-1 and R15-2)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 152. Amend Section 8B.02 as follows: (a) Change the first sentence beneath the second "Standard:" in the section to read as follows: "Where physically feasible and visible to approaching traffic, the Crossbuck sign shall be installed on the right side of the highway on each approach to the highway-rail grade crossing.".

(b) Change the third paragraph beneath the second "Standard:" in the section to read as follows: "A strip of retroreflective white material, not less than 50 mm (2 in) in width, shall be used on each support at highway-rail grade crossings for the full length of the front and back of the support from near the Crossbuck sign or Number of Tracks sign to near ground level.".

(c) Change the second paragraph beneath "Guidance:" in the section to read as follows: "The lateral clearance for the nearest edge of the Crossbuck sign should be approximately 1.8 m (6 ft) from the edge of the shoulder, or approximately 3.7 m (12 ft) from the edge of the traveled way in rural areas, and approximately 0.6 m (2 ft) from the face of the curb in urban areas.". *(Indiana Department of Transportation; 105 IAC 9-2-152; filed Aug 29, 2003, 3:48 p.m.: 27 IR 43)*

105 IAC 9-2-153 Exempt highway-rail grade crossing signs (R15-3 and W10-1a)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 153. Amend Section 8B.04 as follows: (a) Delete the following: "Option: When authorized by law or regulation, a supplemental sign (R15-3) with a white background bearing the word EXEMPT may be used below the Crossbuck sign or Number of Tracks sign, if present, at the highway-rail grade crossing, and a supplemental sign (W10-1a) with a yellow background bearing the work *[sic.]* EXE<MPT *[sic.]* may be used below the Highway-Rail Advance Warning sign.
Support: These supplemental signs inform drivers of vehicles carring *[sic.]* passengers for hire, school buses carrying students, or vehicles carrying hazardous materials that a stop is not required at certain designated highway-rail grade crossings, except when a train, locomotive, or other railroad equipment is approaching or occupying the highway-rail grade crossing, or the driver's view is blocked.".

(b) Add the following sentence beneath the section heading: "This sign shall not be used in Indiana unless specifically permitted by statute.".

(c) Add the following sentence beneath "W10-1a Yellow background" and above the sign "DO NOT STOP ON TRACKS": "The "EXEMPT" sign and sign designation "R15-3" AND "W10-1A" are being deleted by reference.". *(Indiana Department of Transportation; 105 IAC 9-2-153; filed Aug 29, 2003, 3:48 p.m.: 27 IR 43)*

105 IAC 9-2-154 Turn restrictions during preemption
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 154. Amend Section 8B.05 as follows: (a) Change the first sentence in the section beneath "Guidance:" by deleting "prohibited" and inserting "considered for prohibition".

(b) Change the second sentence in the section beneath "Option:" to read as follows: "An activated blank-out or changeable

message sign and/or appropriate traffic signal indication or other similar type sign may be used to prohibit turning movements toward the highway-rail grade crossing during preemption.".

(c) Add the following beneath the last sentence in the section beneath "Standard:" and above Section 8B.06: "Support: Section 10C.06 provides information about blank-out turn prohibition signs.". *(Indiana Department of Transportation; 105 IAC 9-2-154; filed Aug 29, 2003, 3:48 p.m.: 27 IR 44)*

105 IAC 9-2-155 Do not stop on tracks sign (R8-8); section 8B.06

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 155. Amend Section 8B.06 as follows: (a) Change the second sentence in the section beneath "Guidance:" to read as follows: "The sign, if used, should be located on the right side of the highway or over the traffic lanes on the near or far side of the highway-rail grade crossing, depending upon which side provides better visibility to approaching drivers.".

(b) Change the last sentence in the section beneath "Option:" and above Section 8B.07 to read as follows: "On divided highways and one-way streets, a second DO NOT STOP ON TRACKS sign may be placed on the near or far left side of the highway-rail grade crossing or over the traffic lanes to further improve visibility.". *(Indiana Department of Transportation; 105 IAC 9-2-155; filed Aug 29, 2003, 3:48 p.m.: 27 IR 44)*

105 IAC 9-2-156 Stop or yield signs at highway-rail grade crossings

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 156. Amend Section 8B.07 as follows: (a) Change the first sentence in the section beneath "Option:" to read as follows: "At the discretion of the responsible State or local highway agency, STOP (R1-1) or YIELD (R1-2) signs may be used at highway-rail grade crossings that have two or more trains per day, or where sight distance is restricted, and are without automatic traffic control devices.".

(b) Change the paragraph beneath the third "Option:" in the section and above "Standard:" to read as follows: "If a STOP or YIELD sign is installed at a highway-rail grade crossing, it may be installed on the Crossbuck post with permission from the railroad or on a separate post at a point where the vehicle is to stop, or as near to that point as practical. Before installing a separate post on railroad property, railroad permission should be obtained.". *(Indiana Department of Transportation; 105 IAC 9-2-156; filed Aug 29, 2003, 3:48 p.m.: 27 IR 44)*

105 IAC 9-2-157 Tracks out of service sign (R8-9)

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 157. Amend Section 8B.08 as follows: (a) Change the section heading to read as follows: "Section 8B.08 TRACKS OUT OF SERVICE Sign (R8-9) and TRAIN TRAFFIC RESUMED – TRACKS IN SERVICE Sign (W10-Y12)".

(b) Add the following beneath the section heading and above "Option:": "Guidance: Indiana Statute (Indiana Code-Title 8, Article 6, Chapter 15) stipulates that the Indiana Department of Transportation (INDOT) shall determine if a railroad grade crossing is abandoned or unused after receiving a request from the railroad or the road authority that has jurisdiction over the roadway. After the railroad grade crossing ahs *[sic.]* been designated as an abandoned or unused railroad grade crossing, the crossing must be marked with TRACKS OUT OF SERVICE (R8 – 9) signs. These signs are to be installed by the road authority that has jurisdiction of the roadway over which the abandoned or unused railroad grade crossing exists. Thirty days prior to resuming operation over an abandoned or unused railroad grade crossing, the railroad is to provide INDOT and the road authority, having jurisdiction over the roadway, with written notification and request the TRACKS OUT OF SERVICE (R8 – 9) signs be removed. The railroad shall mark the railroad grade crossing, for six months, with the TRAIN TRAFFIC RESUMED – TRACKS IN SERVICE (W10 – Y12) signs.".

(c) Add the following beneath the last sentence in the section beneath "Standard:" and above Section 8B.09: "If a highway – rail grade crossing is returned to service, the railroad shall mark the railroad grade crossing with the W10 – Y12 sign for a 6-month period. This sign shall be installed on the post used for mounting the Crossbuck signs, within 1 inch below the Crossbuck signs

(R15-1, R15-2), or on a separate post such that the W10 – Y12 sign does not block, or the W10 – Y12 sign is not blocked by, the visual elements of any other railroad warning device.
Option: The governmental agency that has jurisdiction over the roadway that had an abandoned or unused railroad grade crossing and the railroad has resumed operation of the railroad grade crossing, may install an additional W10 – Y12 sign, as a primary sign, beneath any of the other Highway-Rail Grade Crossing Advance Warning Signs (W10 Series), as deemed appropriate.". *(Indiana Department of Transportation; 105 IAC 9-2-157; filed Aug 29, 2003, 3:48 p.m.: 27 IR 44)*

105 IAC 9-2-158 Emergency notification sign (I-13 or I-13a)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

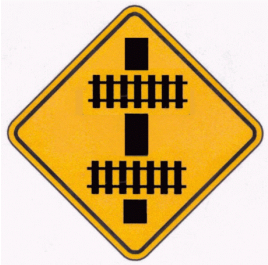
Sec. 158. Change the second paragraph in Section 8B.09 beneath "Guidance:" to read as follows: "Location and placement should be decided by the Railroad company based on specific site conditions. These signs are installed by the railroad on the railroad right-of-way.". *(Indiana Department of Transportation; 105 IAC 9-2-158; filed Aug 29, 2003, 3:48 p.m.: 27 IR 45)*

105 IAC 9-2-159 Trains may exceed 130 km/h (80 mph) signs (W-108a)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 159. Change the fist sentence in Section 8B.10 beneath "Guidance:" to read as follows: "Where trains are permitted to travel at speeds exceeding 130 km/h (80 mph), a TRAINS MAY EXCEED 130 km/h (80 MPH) (W10-8 or W10-8a) sign should be considered for installation to face road users approaching the highway-rail grade crossing.". *(Indiana Department of Transportation; 105 IAC 9-2-159; filed Aug 29, 2003, 3:48 p.m.: 27 IR 45)*

105 IAC 9-2-160 Look sign (R15-8)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 160. Amend Section 8B.13 as follows: (a) Change the first sentence in the section beneath "Option:" to read as follows: "At highway-rail grade crossings that do not have active warning devices, the LOOK (R15-8) sign may be mounted, by the railroad, as a supplemental plaque on the Crossbuck (R15-1) sign post, or as a separate sign in the immediate vicinity of the highway-rail grade crossing on the railroad right-of-way.".
(b) Amend the sign illustration page on page 8B-10 by adding the following signs:



W10-Y11c

W10-Y12

W10-Y11d

W10-Y11e

(Indiana Department of Transportation; 105 IAC 9-2-160; filed Aug 29, 2003, 3:48 p.m.: 27 IR 45)

105 IAC 9-2-161 Low ground clearance highway-rail grade crossing sign (W10-5)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 161. Change the first sentence in Section 8B.14 beneath "Guidance:" to read as follows: "If the highway profile conditions are sufficiently abrupt to create a hang-up situation for long wheelbase vehicles or for trailers with low ground clearance and an engineering study determines the need and feasibility, the Low Ground Clearance Highway-Rail Grade Crossing (W10-5) sign should be installed in advance of the highway-rail grade crossing.". *(Indiana Department of Transportation; 105 IAC 9-2-161; filed Aug 29, 2003, 3:48 p.m.: 27 IR 46)*

105 IAC 9-2-162 Storage space signs (W10-11, W10-11a, and W10-11b)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 162. Amend Section 8B.15 by adding the following beneath the last sentence in the section beneath "Option:" and above Section 8B.16: "Guidance: A Tracks Storage Space (W10-Y11c) sign supplemented by a word message tracks storage distance (W10-Y11d) sign should be used where there is a highway-rail grade crossing in close proximity to the highway-rail grade crossing and an engineering study determines that adequate space is not available to store a design vehicle(s) between the train dynamic envelopes.

The Tracks Storage Space (W10-Y11c and W10-Y11d) signs should be mounted in advance of the first highway-rail grade crossing at an appropriate location to advise drivers of the space available for vehicle storage between the second set of tracks and the highway-rail first grade crossing.

Option: The Tracks Storage Space sign, W10-Y11e, may be mounted beyond the first highway-rail grade crossing just prior to the second set of tracks to remind drivers of the storage space between the tracks.". *(Indiana Department of Transportation; 105 IAC 9-2-162; filed Aug 29, 2003, 3:48 p.m.: 27 IR 46)*

105 IAC 9-2-163 Pavement markings
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 163. Amend Section 8B.16 as follows: (a) Change the first sentence in the section beneath "Standard:" to read as follows: "All highway-rail grade crossing markings shall be retroreflectorized white except appropriate yellow longitudinal markings.".

(b) Change the sentence in the fourth paragraph in the section beneath "Standard:" to read as follows: "Pavement markings shall not be required at highway-rail grade crossings where the posted or statutory highway speed is less than 60 km/h (40 mph), or in urban areas, if an engineering study indicates that other installed devices provide suitable warning and control, but may be installed if so desired.".

(c) Add the following sentence beneath "Guidance:" in the section and above the preexisting paragraph beneath "Guidance:": "In multilane sections where the center lane is for bi-directional left turns, the bi-directional lane should be terminated by creating an island or median prior to the railroad crossing for both directions of travel (similar to the method depicted in figure 3B-4 with the railroad centered in the buffer zone) or by marking the lane as a one way left turn lane.".

(d) Amend Figure 8B-2 on page 8B-13 by deleting "A three lane roadway should be marked with a centerline for two lane approach on the approach to a crossing.". *(Indiana Department of Transportation; 105 IAC 9-2-163; filed Aug 29, 2003, 3:48 p.m.: 27 IR 46)*

105 IAC 9-2-164 Buzz strips

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 164. Add a new section beneath the last paragraph in Section 8B.18 to read as follows: "Section 8B.19 Buzz Strips Option: When justified by an engineering study, one or more sets (consisting of 6 closely spaced 200 mm (8 in.) wide transverse white thermoplastic pavement stripes up to 6 mm (¼ in) high) may be placed in advance of the highway-rail grade crossing pavement markings to provide visual and aural alert before the advance warning devices. If highway-rail grade crossing pavement markings are not required at a location, buzz strips may be installed as an alert for the signs and other active or passive warning devices.". *(Indiana Department of Transportation; 105 IAC 9-2-164; filed Aug 29, 2003, 3:48 p.m.: 27 IR 47)*

105 IAC 9-2-165 Illumination at highway-rail grade crossings

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 165. Change the first sentence in Section 8C.01 beneath "Option:" by deleting "train speeds are low and". *(Indiana Department of Transportation; 105 IAC 9-2-165; filed Aug 29, 2003, 3:48 p.m.: 27 IR 47)*

105 IAC 9-2-166 Introduction; section 8D.01

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 166. Amend Section 8D.01 as follows: (a) Change the first paragraph beneath "Standard:" in the section to read as follows: "The meaning of flashing-light signals and gates shall be as stated in the "Uniform Vehicle Code" (see Sections 11-701 and 11-703 of the "UVC"), which is available from the National Committee on Uniform Traffic Laws and Ordinances (see Page I for the address). If there is a conflict in meaning between the UVC and the Indiana Code, the Indiana Code shall prevail.".

(b) Change the second sentence in the third paragraph beneath "Standard:" in the section to read as follows: "When a cantilevered-arm flashing-light signal is used, the vertical clearance shall be at least 5.2 m (17 ft) above the crown of the highway to the lowest point of the signal unit or its horizontal support structure.". *(Indiana Department of Transportation; 105 IAC 9-2-166; filed Aug 29, 2003, 3:48 p.m.: 27 IR 47)*

105 IAC 9-2-167 Flashing-light signals, post-mounted

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 167. Amend Section 8D.02 as follows: (a) Change the second paragraph beneath the second "Standard:' in the section

to read as follows: "When used, flashing-light signals shall be placed to the right of approaching highway traffic on all highway approached to a highway-rail grade crossing. They shall be located laterally with respect to the highway in conformance with Figure 8D-2 except where such location would adversely affect signal visibility. Where physical conditions do not permit signals to be placed to the right of approaching highway traffic, signals over the approach lane(s) may be used.".

(b) Add the following beneath the sentence beneath "Guidance:" and above the third "Standard:" in the section: "Option: Additional flashing-light signals may be placed over the roadway or to the left of the roadway.". *(Indiana Department of Transportation; 105 IAC 9-2-167; filed Aug 29, 2003, 3:48 p.m.: 27 IR 47)*

105 IAC 9-2-168 Flashing-light signals, overhead structures

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 168. Change the second sentence in Section 8D.03 beneath "Option:" by deleting "If it is" and inserting "Where it is desired or". *(Indiana Department of Transportation; 105 IAC 9-2-168; filed Aug 29, 2003, 3:48 p.m.: 27 IR 47)*

105 IAC 9-2-169 Automatic gates; section 8D.04

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 169. Amend Section 8D.04 as follows: (a) Change the second paragraph beneath "Standard:" in the section to read as follows: "In the normal sequence of operation, the flashing-light signals and the lights on the gate arm (in its normal upright position) shall be activated not less than 20 seconds before arrival of the train. Additional time may be needed where there are multiple tracks, skewed tracks, approach roadways that are not flat, or for design vehicles with unusual length or acceleration characteristics. The gate arm shall start its downward motion not less than 3 seconds after the flashing-light signals start to operate, shall reach its horizontal position at least 5 seconds before the arrival of the train, and shall remain in the down position as long as the train occupies the highway-rail grade crossing.".

(b) Change the second paragraph beneath "Guidance:" in the section to read as follows: "In its normal upright position, when no train is approaching or occupying the highway-rail grade crossing, the gate arm should be either vertical or nearly so (see Figure 8D-1). When in its upright position, the gate should not interfere with horizontal or vertical roadway clearance requirements.".

(c) Change the first paragraph beneath "Option:" in the section to read as follows: "Automatic gate installations may include median islands between opposing lanes on an approach to a highway-rail grade crossing. On multiple lane roads, median islands may be required to allow installation of gates to extend across all approach lanes.".

(d) Add the following sentence beneath the last sentence in the section beneath "Option:" and above Section 8D.05: "Where sufficient space is available, median islands should be at least 18 m (60 ft) in length.". *(Indiana Department of Transportation; 105 IAC 9-2-169; filed Aug 29, 2003, 3:48 p.m.: 27 IR 47)*

105 IAC 9-2-170 Four-quadrant gate systems; section 8D.05

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 170. Amend Section 8D.05 as follows: (a) Change the third paragraph beneath "Standard:" in the section to read as follows: "In the normal sequence of operation, the flashing-light signals and the lights on the gate arms (in their normal upright positions) shall be activated not less than 20 seconds before arrival of the train. Additional time may be needed where there are multiple tracks, skewed tracks, approach roadways that are not flat, or for design vehicles with unusual length or acceleration characteristics. The gate arms for the approaching lanes of traffic shall start their downward motion not less than 3 seconds after the flashing-light signals start to operate and shall reach their horizontal position at least 5 seconds before the arrival of the train. Exit lane gate arm activation and downward motion shall be based on detection or timing requirements established by an engineering study of the individual site. The gate arms shall remain in the down position as long as the train occupies the highway-rail grade crossing.".

(b) Change the sixth paragraph beneath "Standard:" in the section to read as follows: "The exit lane gate arm mechanism shall

be designed to fail-safe in the up position.".

(c) Change the fourth sentence beneath "Guidance:" in the section to read as follows: "Where supported by an engineering study, exit gates should be set back from the track a distance that provides a safe zone long enough to accommodate at least one design vehicle between the exit gate and the nearest rail or an escape route should be provided.".

(d) Delete the first sentence beneath the second "Option:" in the section by deleting "Exit lane gate arms may fail in the down position if the highway rail grade crossing is equipped with remote health (status) monitoring.". *(Indiana Department of Transportation; 105 IAC 9-2-170; filed Aug 29, 2003, 3:48 p.m.: 27 IR 48)*

105 IAC 9-2-171 Train detection

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 171. Amend Section 8D.06 as follows: (a) Change the third sentence in the section beneath "Standard:" by deleting ", except as noted in the Option below".

(b) Delete the first sentence beneath "Option:" in the section by deleting "On tracks where all trains operate at less than 32 km/h (20 mph) and where flagging is performed by an employee on the ground, a shorter signal operating time for the flashing-light signals may be used.".

(c) Change the second sentence beneath "Option:" and above "Guidance:" in the section to read as follows: "Additional warning time may be provided when determined by an engineering study considering factors including but not limited to multiple tracks, skewed tracks, approach roadway grade and profile, and the physical and operational characteristics of the design roadway vehicle.". *(Indiana Department of Transportation; 105 IAC 9-2-171; filed Aug 29, 2003, 3:48 p.m.: 27 IR 48)*

105 IAC 9-2-172 Traffic control signals at or near highway-rail grade crossings

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 172. Amend Section 8D.07 as follows: (a) Change the first paragraph beneath "Guidance:" in the section to read as follows: "Generally, the highway agency or the regulatory agency determines the need for highway-rail grade crossing detection circuits to preempt traffic signals at nearby highway intersections. Further, the highway (or regulatory) agency generally determines the traffic signal preemption sequences and coordinates with the railroad company to obtain the desired preemption signal from the highway-rail crossing warning device control equipment. However, nothing precludes a railroad from initiating such a request to a highway or regulatory agency.".

(b) Change the last paragraph beneath "Guidance:" and above the second "Standard:" in the section to read as follows: "Coordination with the flashing-light signal system should be considered for traffic control signals located farther than 60 m (200 ft) from the highway-rail grade crossing when factors such as traffic volumes, vehicle mix, vehicle and train approach speeds, frequency of trains, and queue lengths indicate preemption may be beneficial to traffic.".

(c) Change the third paragraph beneath the second "Standard:" and above the second "Option:" in the section to read as follows: "If a pre-signal is installed at an interconnected highway-rail grade crossing near a signalized intersection, a STOP HERE ON RED (R10-6) sign shall be installed near the pre-signal or at the stop line if used. If there is a nearby signalized intersection with insufficient clear storage distance for a design vehicle, or the highway-rail grade crossing does not have gates, a NO TURN ON RED (R10-11) sign or a blank out NO TURN ON RED sign activated by the preemption sequence shall be installed for the approach that crosses the railroad track.". *(Indiana Department of Transportation; 105 IAC 9-2-172; filed Aug 29, 2003, 3:48 p.m.: 27 IR 48)*

105 IAC 9-2-173 Bicyclist traffic control devices; requirements

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 173. Change the third sentence in Section 9A.01 beneath "Guidance:" and above "Standard:" to read as follows: "Parts 1, 2, 3, and 4 should be reviewed for regulatory and general provisions, signs, pavement markings, and signals.". *(Indiana Department of Transportation; 105 IAC 9-2-173; filed Aug 29, 2003, 3:48 p.m.: 27 IR 49)*

105 IAC 9-2-174 Design of bicycle signs
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 174. Change the second sentence in Section 9B.02 beneath "Standard:" to read as follows: "The sign sizes for shared-use paths shall be those shown in Table 9B-1, and shall be used only for signs installed specifically for shared-use path traffic applications.". *(Indiana Department of Transportation; 105 IAC 9-2-174; filed Aug 29, 2003, 3:48 p.m.: 27 IR 49)*

105 IAC 9-2-175 Stop and yield signs (R1-1 and R1-2)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 175. Amend Section 9B.03 as follows: (a) Change the first sentence in the section beneath "Standard:" to read as follows: "STOP (R1-1) signs shall be installed on shared-use paths at points where shared-use path traffic is required to stop.".

(b) Change the second sentence in the section beneath "Standard:" to read as follows: "YIELD (R1-2) signs shall be installed on shared-use paths at points where shared-use path traffic has an adequate view of conflicting traffic as they approach the sign, and where shared-use path traffic is required to yield the right-of-way to that conflicting traffic.".

(c) Change the fourth sentence in the section beneath "Guidance:" by deleting "bicyclists" and inserting "bicycle facility users". *(Indiana Department of Transportation; 105 IAC 9-2-175; filed Aug 29, 2003, 3:48 p.m.: 27 IR 49)*

105 IAC 9-2-176 Turn or curve warning signs (W1 series)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 176. Amend Section 9B.12 as follows: (a) Change the first sentence in the section beneath "Guidance:" by deleting "bicyclists" and inserting "bicycle facility users".

(b) Change the second sentence in the section beneath "Guidance:" by deleting "no less than" and inserting "approximately". *(Indiana Department of Transportation; 105 IAC 9-2-176; filed Aug 29, 2003, 3:48 p.m.: 27 IR 49)*

105 IAC 9-2-177 Other bicycle warning signs
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 177. Amend Section 9B.16 as follows: (a) Change the first sentence in the section beneath "Option:" by deleting "bicyclists" and inserting "users".

(b) Change the third sentence in the section beneath "Guidance:" by deleting "no less than" and inserting "approximately". *(Indiana Department of Transportation; 105 IAC 9-2-177; filed Aug 29, 2003, 3:48 p.m.: 27 IR 49)*

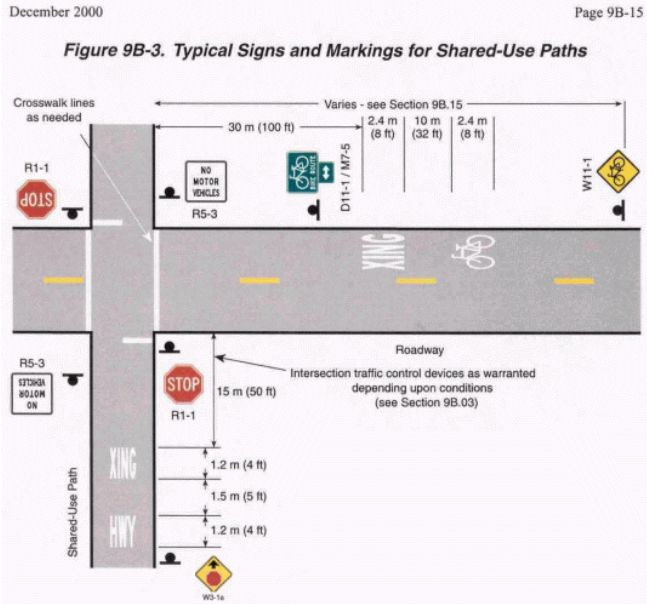
105 IAC 9-2-178 Bicycle route markers (M1-8 and M1-9); section 9B.17
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 178. Amend Section 9B.17 as follows: (a) Change the first sentence in the section beneath "Guidance:" by deleting "bicyclists" and inserting "users".

(b) Change the second sentence in the section beneath "Guidance:" by deleting "bicyclists" and inserting "users". *(Indiana Department of Transportation; 105 IAC 9-2-178; filed Aug 29, 2003, 3:48 p.m.: 27 IR 50)*

105 IAC 9-2-179 Bicycle route markers (M1-8 and M1-9); section 9B.18
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 179. Amend Section 9B.18 as follows: (a) Change Figure 9B-3 on page 9B-15 by adding the following diagram:



(b) Change the sentence beneath "Guidance:" in the section to read as follows: "If used, the Bicycle Route or Interstate Bicycle Route markers should be placed at intervals frequent enough to keep users informed of changes in route direction and to remind drivers of the presence of users.".

(c) Change the first sentence beneath the third "Option:" in the section by deleting "bicyclists" and inserting "users". *(Indiana Department of Transportation; 105 IAC 9-2-179; filed Aug 29, 2003, 3:48 p.m.: 27 IR 50)*

105 IAC 9-2-180 Signal operations for bicycles
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 180. Amend Section 9D.02 as follows: (a) Change the section heading to read as follows: "Section 9D.02 Signal Operation for Bicycles and Shared-Use Path Traffic".

(b) Change the first sentence in the section beneath "Standard:" by deleting "bicyclists" and inserting "users".

(c) Change the second sentence in the section beneath "Standard:" to read as follows: "If the visibility-limited signal faces cannot be aimed to serve the user, then separate signal faces shall be provided.".

(d) Change the last sentence in the section beneath "Standard:" by deleting "bicyclists" and inserting "users". *(Indiana Department of Transportation; 105 IAC 9-2-180; filed Aug 29, 2003, 3:48 p.m.: 27 IR 50)*

105 IAC 9-2-181 Introduction; section 10A
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 181. Amend Section 10A.01 as follows: (a) Add the following sentence between the first paragraph and second paragraph in the section beneath "Support:": "When other railroad vehicles operate along streets and highways in mixed traffic with automotive vehicles, engineering judgment should be used to apply the traffic controls and associated standards and guidelines for highway-light rail transit vehicle mixed use operation as they are applicable to the railroad situation.".

(b) Add the following sentence beneath the last sentence in the section beneath "Standard:" and above Section 10A.02: "Where railroad tracks are in the same mixed traffic corridor with automotive vehicles in parallel operation, the principles of this section shall be applied with engineering judgment to the corridor.". *(Indiana Department of Transportation; 105 IAC 9-2-181; filed Aug 29, 2003, 3:48 p.m.: 27 IR 50)*

105 IAC 9-2-182 Use of standard devices, systems, and practices; section 10A.02
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 182. Change the third sentence beneath "Standard:" and above the second "Guidance:" in Section 10A.02 by deleting "local". *(Indiana Department of Transportation; 105 IAC 9-2-182; filed Aug 29, 2003, 3:48 p.m.: 27 IR 51)*

105 IAC 9-2-183 Uniform provisions; section 10A.03
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 183. Amend Section 10A.03 as follows: (a) Add the following three (3) sentences beneath the first sentence in the section beneath "Standard:" and above "Guidance:": "When blank out signs are used, the message shall be white letters or symbols formed by illuminating dots or areas on a black background. The red prohibition circle with slash shall be formed with red dots or areas on the black background. No message or part of the message shall be visible when the blank out sign is not activated.".

(b) Change the sentence beneath "Guidance:" in the section and above Section 10A.04 to read as follows: "Such signs or signals should be installed with a clearance of approximately 0.6 m (2 ft) or more from the face of the curb to the edge of the sign or signal head, except as allowed in Section 2A.19.". *(Indiana Department of Transportation; 105 IAC 9-2-183; filed Aug 29, 2003, 3:48 p.m.: 27 IR 51)*

105 IAC 9-2-184 Introduction; section 108.01
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 184. Amend Section 10B.01 as follows: (a) Change the sentence beneath "Standard:" and above "Option:" in the section to read as follows: "Highway-light rail transit grade crossings in semi-exclusive alignments shall be equipped with a combination of traffic gates and flashing-light signals, or flashing-light signals only, or traffic control signals, unless an engineering study indicates that the use of STOP, YIELD, CROSSBUCK or advance warning signs alone would be adequate.".

(b) Change the paragraph beneath "Option:" and above the second "Support:" in the section to read as follows: "Highway-light rail transit grade crossings in mixed-use alignments may be equipped with traffic control signals unless an engineering study indicates that the use of STOP, YIELD, CROSSWALK, or advance warning signs alone would be adequate. Traffic control signals may include preemption.". *(Indiana Department of Transportation; 105 IAC 9-2-184; filed Aug 29, 2003, 3:48 p.m.: 27 IR 51)*

105 IAC 9-2-185 Do not stop on tracks sign (R8-8); section 10C.04
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 185. Change the last sentence in Section 10C.04 beneath "Option:" and above Section 10C.05 to read as follows: "On divided highways and one-way streets, a second sign may be placed on the left side of the road at the grade crossing, or over the traffic lanes, to further improve visibility of the sign.". *(Indiana Department of Transportation; 105 IAC 9-2-185; filed Aug 29, 2003, 3:48 p.m.: 27 IR 51)*

105 IAC 9-2-186 Light rail transit-activated blank-out turn prohibition signs (R3-1a and R3-2a)
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 186. Amend Section 10C.06 as follows: (a) Change the first sentence in the section beneath "Support:" to read as follows: "With concurrence from the jurisdiction with authority to regulate vehicular traffic on the roadway, light rail transit operations can include the use of activated blank-out sign technology for turn prohibition signs (R3-1a, R3-2a).".

(b) Change the first sentence beneath "Option:" in the section by deleting "for" and inserting "to restrict". *(Indiana Department of Transportation; 105 IAC 9-2-186; filed Aug 29, 2003, 3:48 p.m.: 27 IR 51)*

105 IAC 9-2-187 Dynamic envelope delineation markings

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 187. Amend Section 10C.15 as follows: (a) Change the sentence beneath "Standard:" and above "Guidance:" in the section to read as follows: "If pavement markings are used for indicating the dynamic envelope delineation, they shall conform to Part 3 and shall be at least a 100 mm (4 in) normal solid white line, except as permitted under guidelines or options within this Section.".

(b) Add the following four (4) sentences beneath "Guidance:" and above the preexisting paragraph beneath "Guidance:" in the section: "The dynamic envelope line is normally a white line. However, if the light rail transit is between lanes of opposing traffic, the line may be yellow to replace the left edge line and avoid confusion with closely spaced parallel solid white and yellow lines which are not defined in the Manual. If the equivalent of an inside shoulder is desired, the yellow edgeline and white dynamic envelope line may be installed parallel. The space between the lines may be marked with transverse markings to discourage use of the area as a traveled lane.".

(c) Change the next to last sentence beneath the second "Option:" in the section by deleting ", unless a four quadrant gate system (see Section 10D.02) is used". *(Indiana Department of Transportation; 105 IAC 9-2-187; filed Aug 29, 2003, 3:48 p.m.: 27 IR 51)*

105 IAC 9-2-188 Four-quadrant gate systems; section 10D.02

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 188. Amend Section 10D.02 as follows: (a) Change the third paragraph beneath "Standard:" to read as follows: "In the normal sequence of operation, the flashing-light signals and the lights on the gate arms (in their normal upright positions) shall be activated not less than 20 seconds before arrival of the light rail transit vehicle. Additional time may be needed where there are multiple tracks, skewed tracks, approach roadways that are not flat, or for design vehicles with unusual length or acceleration characteristics. The gate arms for the approaching lanes of traffic shall start their downward motion not less than 3 seconds after the flashing-light signals start to operate and shall reach their horizontal position at least 5 seconds before the arrival of the light rail transit vehicle. Exit lane gate arm activation and downward motion shall be based on timing requirements established by an engineering study of the individual site. The gate arms shall remain down as long as the light rail transit vehicle occupies the highway-light rail transit crossing.".

(b) Add the following sentence beneath the first sentence and above the second sentence beneath the first "Guidance:" in the section: "When in its upright position, the gate should not interfere with horizontal or vertical roadway clearance requirements.".

(c) Delete the first sentence beneath the second "Option:" in the section by deleting "Exit lane gate arms may fail in the down position if the highway-rail grade crossing is equipped with remote health (status) monitoring.". *(Indiana Department of Transportation; 105 IAC 9-2-188; filed Aug 29, 2003, 3:48 p.m.: 27 IR 52)*

105 IAC 9-2-189 Automatic gates; section 10D.03

Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 189. Amend Section 10D.03 as follows: (a) Change the first sentence beneath "Option:" in the section by deleting "where light rail transit speeds exceed 40 km/h (25 mph),".

(b) Add the following beneath the last sentence in the section beneath the second "Support:" and above Section 10D.04:

"Guidance: Where sufficient space is available, median islands should be at least 18 m (60 ft) in length.". *(Indiana Department of Transportation; 105 IAC 9-2-189; filed Aug 29, 2003, 3:48 p.m.: 27 IR 52)*

105 IAC 9-2-190 Traffic signal preemption turning restrictions
Authority: IC 8-23-2-6; IC 9-21-2-1
Affected: IC 9-21-3; IC 9-21-4

Sec. 190. Change the sentence beneath the second "Guidance:" in Section 10D.06 by deleting "prohibited" and inserting "considered for prohibition.". *(Indiana Department of Transportation; 105 IAC 9-2-190; filed Aug 29, 2003, 3:48 p.m.: 27 IR 52)*

Rule 3. Buses; Vehicle Width

105 IAC 9-3-1 Buses; vehicle width
Authority: IC 9-20-8-1
Affected: IC 9-20-8-2; IC 9-29-6-1

Sec. 1. Any motor vehicle designed and used for the carrying of more than seven (7) persons, including passenger buses, and having a total outside width not exceeding eight (8) feet six (6) inches, exclusive of safety equipment, may be operated upon any public highway having a lane width of twelve (12) feet or more. *(Indiana Department of Transportation; 105 IAC 9-3-1; filed Jun 2, 1982, 10:12 a.m.: 5 IR 1301; readopted filed Nov 7, 2001, 3:20 p.m.: 25 IR 899) NOTE: Transferred from Department of Highways (120 IAC 4-4-1) to Indiana Department of Transportation (105 IAC 9-3-1) by P.L.112-1989, SECTION 5, effective July 1, 1989.*

Rule 4. Business Signs on Information Panels Within Highway Rights-of-Way

105 IAC 9-4-1 Purpose of rule
Authority: IC 8-23-2-6
Affected: IC 9-21-2; IC 9-21-4-5

Sec. 1. The purpose of this rule is to establish standards, criteria, and procedures for signs erected within highway rights-of-way to provide directional information for business establishments offering goods and services in the interest of the traveling public. *(Indiana Department of Transportation; 105 IAC 9-4-1; filed Aug 13, 1984, 2:54 p.m.: 7 IR 2326; filed Jan 8, 1992, 12:00 p.m.: 15 IR 698; readopted filed Nov 7, 2001, 3:20 p.m.: 25 IR 899) NOTE: Transferred from Department of Highways (120 IAC 4-5-1) to Indiana Department of Transportation (105 IAC 9-4-1) by P.L.112-1989, SECTION 5, effective July 1, 1989.*

105 IAC 9-4-2 Authority (Repealed)

Sec. 2. *(Repealed by Indiana Department of Transportation; filed Jan 8, 1992, 12:00 p.m.: 15 IR 700)*

105 IAC 9-4-3 Applicability
Authority: IC 8-23-2-6
Affected: IC 9-21-2; IC 9-21-4-5

Sec. 3. The provisions of this rule are applicable to the interstate system of highways and other freeways only. *(Indiana Department of Transportation; 105 IAC 9-4-3; filed Aug 13, 1984, 2:54 p.m.: 7 IR 2326; filed Jan 8, 1992, 12:00 p.m.: 15 IR 698; readopted filed Nov 7, 2001, 3:20 p.m.: 25 IR 899) NOTE: Transferred from Department of Highways (120 IAC 4-5-3) to Indiana Department of Transportation (105 IAC 9-4-3) by P.L.112-1989, SECTION 5, effective July 1, 1989.*

105 IAC 9-4-4 Definitions
Authority: IC 8-23-2-6
Affected: IC 9-21-4-5

Sec. 4. As used in this rule:
(1) "Business facility" means a business operating in one (1) or more of the areas of service permitted for installation of specific service signs and meeting the criteria for installation of a logo panel.
(2) "CLOSED panel" is a panel imprinted with the word CLOSED that may be installed over a logo panel to indicate the seasonal closing of a business.
(3) "Contractor" means the individual, partnership, firm, corporation, or combination of same contracting with the department for performance of prescribed work.
(4) "Department" means the Indiana department of transportation.
(5) "Freeway" means a divided highway for through traffic with full control of access.
(6) "Full control of access" means the condition where the right of owners or occupants of abutting land or other persons, to access light, air, or view in connection with a highway is fully controlled. Full control is exercised to give preference to through traffic by providing access connections only with selected public roads and by prohibiting crossings at grade or direct private driveway connections.
(7) "Interstate system" means the federally designated system of interstate highways with full control of access.
(8) "Logo panel" is a business sign and means a separately attached sign mounted on specific service signs to show the brand, symbol, trademark, or name, or combination of these, for a motorist service available at or near an interchange.
(9) "Miniature logo panel" means a reduced size duplicate of the logo panel installed on the specific service sign in advance of the interchange which is installed on the specific service ramp sign.
(10) "Primary applicant" means a business facility requesting a logo panel which meets the highest standard for the specific service.
(11) "Secondary applicant" means a business facility requesting a logo panel which meets a reduced standard for the specific service. Contracts for secondary applicants may be for a shorter period than for primary applicants.
(12) "Specific service sign" is a specific information panel and means a rectangular sign panel with the following:
(A) The words "GAS", "FOOD", "LODGING", "CAMPING", or "ATTRACTION".
(B) Directional information.
(C) One (1) or more logo panels.
(13) "Specific service ramp sign" means a reduced size specific service sign installed on an interchange ramp to indicate distance and direction to a service facility not readily visible from the ramp intersection with the intersecting roadway.
(Indiana Department of Transportation; 105 IAC 9-4-4; filed Aug 13, 1984, 2:54 p.m.: 7 IR 2326; filed Mar 2, 1988, 10:55 a.m.: 11 IR 2330; filed Jan 8, 1992, 12:00 p.m.: 15 IR 698; readopted filed Nov 7, 2001, 3:20 p.m.: 25 IR 899; filed Mar 21, 2002, 4:40 p.m.: 25 IR 2438) NOTE: Transferred from Department of Highways (120 IAC 4-5-4) to Indiana Department of Transportation (105 IAC 9-4-4) by P.L.112-1989, SECTION 5, effective July 1, 1989.

105 IAC 9-4-5 Costs; rental fee
Authority: IC 8-23-2-6
Affected: IC 9-21-4-5

Sec. 5. (a) The business facility or the department's contractor shall bear all costs of manufacturing, installation, and maintenance relating to their respective logo panel and miniature logo panel, including theft, vandalism, or damage for any reason.
(b) The business facility shall pay a rental fee to the department or its authorized contractor.
(c) Business facilities which operate on a seasonal basis shall pay a fee for installation and subsequent removal of CLOSED panels or removal and reinstallation of logo panels.
(d) Fees will be established or approved jointly by the department and the Indiana department of commerce. *(Indiana Department of Transportation; 105 IAC 9-4-5; filed Aug 13, 1984, 2:54 p.m.: 7 IR 2326; errata, 7 IR 2546; filed Mar 2, 1988, 10:55 a.m.: 11 IR 2331; filed Jan 8, 1992, 12:00 p.m.: 15 IR 699; readopted filed Nov 7, 2001, 3:20 p.m.: 25 IR 899; filed Mar 21, 2002, 4:40 p.m.: 25 IR 2438) NOTE: Transferred from Department of Highways (120 IAC 4-5-5) to Indiana Department of Transportation*

(105 IAC 9-4-5) by P.L.112-1989, SECTION 5, effective July 1, 1989.

105 IAC 9-4-6 Installation of panels; violations
Authority: IC 8-23-2-6
Affected: IC 9-21-4-5

Sec. 6. (a) Installation of a logo panel shall be done by the department or its authorized contractor.

(b) The department, or its contractor, shall monitor business facilities on a regular basis, and may conduct random inspections, to assure continued compliance with the conditions of this rule.

(c) The department, or its contractor, shall notify any business facility found not in compliance with any condition of this rule and request compliance within a reasonable time period. Upon reinspection, if the business facility is not in compliance, the business facility shall be deemed in violation of this rule. After two (2) findings of noncompliance with subsequent return to compliance with the same condition of this rule, finding a third noncompliance shall be deemed a violation of a condition of this rule.

(d) The department, or its contractor, may remove any logo panel for violation of any of the conditions of this rule.

(e) A business facility whose logo panel is removed for a violation of any condition of this rule may file as a new primary or secondary applicant. No preference will be granted for the prior installation of a logo panel. *(Indiana Department of Transportation; 105 IAC 9-4-6; filed Aug 13, 1984, 2:54 p.m.: 7 IR 2327; errata, 7 IR 2546; filed Mar 2, 1988, 10:55 a.m.: 11 IR 2331; filed Jan 8, 1992, 12:00 p.m.: 15 IR 699; readopted filed Nov 7, 2001, 3:20 p.m.: 25 IR 899; filed Mar 21, 2002, 4:40 p.m.: 25 IR 2439) NOTE: Transferred from Department of Highways (120 IAC 4-5-6) to Indiana Department of Transportation (105 IAC 9-4-6) by P.L.112-1989, SECTION 5, effective July 1, 1989.*

105 IAC 9-4-7 Location of specific service signs; general requirements
Authority: IC 8-23-2-6
Affected: IC 9-21-2; IC 9-21-4-5

Sec. 7. (a) When the spacing requirements in section 10 of this rule can be met, specific service signs may be erected along the interstate system and other freeways, except at the following locations:

(1) At an interchange where motorists cannot conveniently reenter the freeway and continue in the same direction of travel.

(2) Freeway to freeway interchanges.

(3) Interchanges where specific service signs are inappropriate due to safety considerations.

(b) The specific service signs should be located so as to take advantage of natural terrain, to have the least impact on the scenic environment, and to avoid visual conflict with other signs within the highway right-of-way. Unprotected specific service sign supports located within the clear zone shall be of a breakaway design.

(c) In the direction of traffic flow, successive specific service signs shall be those for “ATTRACTION”, “CAMPING”, “LODGING”, “FOOD”, and “GAS” in that order.

(d) The department will designate, by official action, interchanges where specific service signs may not be erected due to safety considerations. *(Indiana Department of Transportation; 105 IAC 9-4-7; filed Aug 13, 1984, 2:54 p.m.: 7 IR 2327; filed Jan 8, 1992, 12:00 p.m.: 15 IR 699; readopted filed Nov 7, 2001, 3:20 p.m.: 25 IR 899; filed Mar 21, 2002, 4:40 p.m.: 25 IR 2439) NOTE: Transferred from Department of Highways (120 IAC 4-5-7) to Indiana Department of Transportation (105 IAC 9-4-7) by P.L.112-1989, SECTION 5, effective July 1, 1989.*

105 IAC 9-4-8 Specific information permitted
Authority: IC 8-23-2-6
Affected: IC 9-21-2; IC 9-21-4-5

Sec. 8. (a) The types of services signs permitted are “GAS”, “FOOD”, “LODGING”, “CAMPING”, and “ATTRACTION” and only one (1) type of service per logo panel. To qualify for display on a specific service sign, the service facility must meet the requirements outlined in section 13 of this rule.

(b) The number of specific service signs permitted is limited to a maximum of one (1) for each type of service up to a maximum of four (4) specific service signs along an approach to an interchange. The number of logo panels permitted on a specific

service sign is specified in section 11 of this rule. *(Indiana Department of Transportation; 105 IAC 9-4-8; filed Aug 13, 1984, 2:54 p.m.: 7 IR 2327; filed Mar 2, 1988, 10:55 a.m.: 11 IR 2332; filed Jan 8, 1992, 12:00 p.m.: 15 IR 699; readopted filed Nov 7, 2001, 3:20 p.m.: 25 IR 899; filed Mar 21, 2002, 4:40 p.m.: 25 IR 2439) NOTE: Transferred from Department of Highways (120 IAC 4-5-8) to Indiana Department of Transportation (105 IAC 9-4-8) by P.L.112-1989, SECTION 5, effective July 1, 1989.*

105 IAC 9-4-9 Size and design; composition; general specifications
Authority: IC 8-23-2-4.1; IC 8-23-2-6
Affected: IC 9-21-4

Sec. 9. (a) The specific service signs shall have a blue reflectorized background with a white reflectorized border. The size of the specific service signs shall not exceed the minimum size necessary to accommodate the maximum number of logo panels permitted using the required legend height and the interline and edge spacing of current standards of the Indiana Manual on Uniform Traffic Control Devices.

(b) Logo panels shall have a blue background with white legend and border, except where standard business identification symbols or trademarks provide a background color. Signs shall be manufactured from sheet aluminum (eighty-thousandths (.080) inches thick) with reflective sheeting. The principal legend should be at least equal in height to the directional legend on the specific service sign panel. Where business identification symbols or trademarks are used for a logo panel, the border may be omitted. The symbol or trademark shall be reproduced in the color and general design consistent with customary use, and any integral legend shall be in proportionate size. Messages, symbols, or trademarks which resemble any official traffic control device or tend to direct traffic are prohibited. The vertical and horizontal spacing between logo panels on specific service signs shall not exceed eight (8) inches and twelve (12) inches respectively.

(c) All directional arrows and all letters and numbers used in the name of the type of service and the directional legend shall be white and reflectorized. *(Indiana Department of Transportation; 105 IAC 9-4-9; filed Aug 13, 1984, 2:54 p.m.: 7 IR 2327; errata, 7 IR 2546; readopted filed Nov 7, 2001, 3:20 p.m.: 25 IR 899; filed Mar 21, 2002, 4:40 p.m.: 25 IR 2440) NOTE: Transferred from Department of Highways (120 IAC 4-5-9) to Indiana Department of Transportation (105 IAC 9-4-9) by P.L.112-1989, SECTION 5, effective July 1, 1989.*

105 IAC 9-4-10 Location of signs; special requirements
Authority: IC 8-23-2-6
Affected: IC 9-21-2; IC 9-21-4-5

Sec. 10. (a) Except as provided in section 11(c) of this rule, a separate specific service sign must be provided for each type of service upon which logo panels are displayed.

(b) The specific service signs should be erected between eight hundred (800) feet beyond the end of the last entrance taper of the previous interchange and eight hundred (800) feet minimum in advance of the exit lane taper, or the general motorist service sign if present, at the interchange from which the services are available. When longitudinal space permits, all specific service signs should be installed before the one (1) mile exit panel. There should normally be at least eight hundred (800) feet spacing between the signs, and at least eight hundred (800) feet visibility to a sign installed beyond a sight obstruction. Excessive spacing should be avoided.

(c) Specific service signs existing at the time this rule is adopted and not meeting these spacing requirements may remain in place for the remainder of their normal service life but no longer than fifteen (15) years from adoption of this rule. At the end of the service life or at some time before the fifteen (15) years limit is reached, signs not complying with these spacing requirements should be removed or relocated in compliance with these requirements.

(d) When available space or other restrictions limit the number of specific service signs that may be installed approaching an interchange, the order of preference for choosing services to be displayed shall be “GAS”, “FOOD”, “LODGING”, “CAMPING”, “ATTRACTION”.

(e) At single-exit interchanges, where service facilities having a logo panel are not visible from the ramp terminal, specific service ramp signs must be installed at the ramp terminal as follows:

(1) Specific service ramp signs must include the distance and the directional arrow to the service facility.

(2) The installation of specific service ramp signs shall be at the expense of the business facility.

(3) The miniature logo panels installed on specific service ramp signs must be eighteen (18) inches high by twenty-four (24) inches wide.

(4) The miniature logo panel on the specific service ramp sign will be installed after receipt of the miniature logo panel from the business facility.

(5) Miniature logo panels, if required, must accompany the specific logo panel before any installations are made.

(Indiana Department of Transportation; 105 IAC 9-4-10; filed Aug 13, 1984, 2:54 p.m.: 7 IR 2328; errata, 7 IR 2546; filed Mar 2, 1988, 10:55 a.m.: 11 IR 2332; filed Jan 8, 1992, 12:00 p.m.: 15 IR 700; readopted filed Nov 7, 2001, 3:20 p.m.: 25 IR 899; filed Mar 21, 2002, 4:40 p.m.: 25 IR 2440) NOTE: Transferred from Department of Highways (120 IAC 4-5-10) to Indiana Department of Transportation (105 IAC 9-4-10) by P.L.112-1989, SECTION 5, effective July 1, 1989.

105 IAC 9-4-11 Design; special requirements

Authority: IC 8-23-2-6
Affected: IC 9-21-4

Sec. 11. (a) At single-exit interchanges, the name of the type of service followed by the exit number shall be displayed in one (1) line above the logo panels, or, as an alternate, the exit number may be placed above the specific service sign and the type of service(s) should be displayed in one (1) line above the logo panels. At unnumbered interchanges, the directional legend "NEXT RIGHT (LEFT)" shall be substituted for the exit number. The specific service sign shall be limited to six (6) logo panels for "GAS", "FOOD", "LODGING", "CAMPING", and "ATTRACTION".

(b) At double-exit interchanges, the specific service signs shall consist of two (2) sections, one (1) for each exit. The top section shall display the logo panels for the first exit, and the lower section shall display the logo panels for the second exit. The name of the type of service followed by the exit number shall be displayed in a line above the logo panels in each section. At unnumbered interchanges, the legend "NEXT RIGHT (LEFT)" and "SECOND RIGHT (LEFT)" shall be substituted for the exit numbers. Where a type of motorist service is to be signed for at only one (1) exit, one (1) section of the specific service sign may be omitted, or a single-exit interchange sign may be used. The number of logo panels on the specific service sign (total of both sections) shall be limited to six (6) for "GAS", "FOOD", "LODGING", "CAMPING", and "ATTRACTION".

(c) At remote rural interchanges, where the number of qualified business facilities are limited, or at interchanges where longitudinal space limits the number of specific service signs that may be installed, logo panels for two (2) or three (3) types of services may be displayed on the same specific service sign. The permitted combinations are:

(1) Up to two (2) logo panels for up to three (3) types of services.

(2) Up to three (3) logo panels for two (2) types of services.

(3) Up to four (4) logo panels for one (1) type of service and up to two (2) logo panels for one (1) other type of service.

The name of each type of service shall be displayed above its respective logo panel(s), and the exit number shall be displayed above the names of the types of services. At unnumbered interchanges, the legend "NEXT RIGHT (LEFT)" shall be substituted for the exit number. Logo panels should not be combined on a specific service sign when it is anticipated that additional service facilities will become available in the near future. When it becomes necessary to display more logo panels for a type of service displayed in combination, the logo panels involved shall then be displayed in compliance with subsection *[subsections]* (a) through (b).

(d) The normal orientation for specific service signs is with the longer dimension horizontal. At locations with extreme conditions, such as narrow right-of-way or steep slopes, where a horizontal installation is not practical, the longer dimension may be installed vertical with sections appropriate to the vertical orientation. The left section shall be for the first exit of a double-exit interchange and the right section for the second exit.

(e) When a specific service sign is divided into sections, a section may not be extended left or right, up or down to encroach into the area of another section. Specific service signs not in compliance with this provision *[this section]* at the time this rule is adopted may remain in place until the earlier of:

(1) the end of the normal service life of the sign; or

(2) a logo panel in the section with the extension is removed so that sections that comply may be established.

(Indiana Department of Transportation; 105 IAC 9-4-11; filed Aug 13, 1984, 2:54 p.m.: 7 IR 2328; filed Mar 2, 1988, 10:55 a.m.: 11 IR 2332; filed Mar 30, 1990, 3:30 p.m.: 13 IR 1390; readopted filed Nov 7, 2001, 3:20 p.m.: 25 IR 899; filed Mar 21, 2002, 4:40 p.m.: 25 IR 2441) NOTE: Transferred from Department of Highways (120 IAC 4-5-11) to Indiana Department of Transportation (105 IAC 9-4-11) by P.L.112-1989, SECTION 5, effective July 1, 1989.

105 IAC 9-4-12 Size; special requirements
Authority: IC 8-23-2-6
Affected: IC 9-21-4

Sec. 12. (a) Each logo panel displayed on the "GAS" specific service sign shall be contained within a forty-eight (48) inch wide and thirty-six (36) inch high rectangular background area, including border.

(b) Each logo panel on the "FOOD", "LODGING", "CAMPING", and "ATTRACTION" specific service signs shall be contained within a sixty (60) inch wide and thirty-six (36) inch high rectangular background area, including border.

(c) All letters used in the name of the type of service and the directional legend shall be ten (10) inch capital letters. Numbers shall be ten (10) inches in height. *(Indiana Department of Transportation; 105 IAC 9-4-12; filed Aug 13, 1984, 2:54 p.m.: 7 IR 2329; readopted filed Nov 7, 2001, 3:20 p.m.: 25 IR 899; filed Mar 21, 2002, 4:40 p.m.: 25 IR 2442) NOTE: Transferred from Department of Highways (120 IAC 4-5-12) to Indiana Department of Transportation (105 IAC 9-4-12) by P.L.112-1989, SECTION 5, effective July 1, 1989.*

105 IAC 9-4-13 Qualification for logo panels
Authority: IC 8-23-2-6
Affected: IC 9-21-4

Sec. 13. (a) In addition to the specific requirements in this section, each applicant must hold valid licenses, permits, and/or approvals required of the facility by any appropriate governmental agency. Each business identified on a specific service sign must give written assurance to the state, or the contractor, of its conforming with all applicable laws concerning the provisions of public accommodations without regard to race, religion, color, sex, disability, or ancestry, and must not be in breach of that assurance.

(b) To qualify as an applicant for a "GAS" logo panel, a business facility must establish the following:

(1) Provide vehicle services, including fuel, oil, and water. Tire repair must be provided on-site, or information about tire repair off-site must be conspicuously posted. Tire repair shall be:

(A) sixteen (16) hours a day for seven (7) days a week for a primary applicant; or

(B) twelve (12) hours a day for seven (7) days a week for a secondary applicant; and

(C) performed on-site by employees or a subcontractor within one (1) hour; or

(D) performed off-site within a reasonable driving distance by another provider, with a list of off-site tire repair providers and copies of written directions to the provider available to motorists at the applicant's establishment.

(2) Provide modern public restroom facilities and drinking water.

(3) Be in continuous operation with a minimum of:

(A) Sixteen (16) hours a day for seven (7) days a week for a primary applicant.

(B) Twelve (12) hours a day for seven (7) days a week for a secondary applicant.

(4) Provide a public telephone.

(5) Be located within two (2) miles of the interchange and be on, or readily visible from, the intersecting crossroad.

(c) To qualify as an applicant for a "FOOD" logo panel, a business facility must establish the following:

(1) Provide modern public restroom facilities.

(2) Provide a public telephone.

(3) Be located within three (3) miles of the interchange and be on, or readily visible from, the intersecting crossroad.

(4) Provide a minimum seating capacity of twenty-five (25) persons.

(5) Provide meals a minimum of six (6) days per week. If applicable, the day of the week the business facility is not in operation shall be shown on or below the logo panel.

(6) Provide meal services a minimum of:

(A) Twelve (12) hours operation for three (3) meals a day opening at or before 8:30 a.m. for a primary applicant.

(B) Two (2) meals per day for secondary applicant.

(d) To qualify as an applicant for a "LODGING" logo panel, a business must establish the following:

(1) Provide a minimum of ten (10) separate sleeping units with modern sanitary facilities.

(2) Provide a public telephone.

(3) Have gasoline and food available within one (1) mile of the facility, between the facility and the interchange, or within

the respective limits stipulated in subsections (b) and (c).
(4) Be located within three (3) miles of the interchange and be on, or readily visible from, the intersecting crossroad.
(e) To qualify as an applicant for a "CAMPING" logo panel, a business facility must establish the following:
(1) Provide adequate waste disposal.
(2) Provide modern sanitary facilities, including an adequate number of toilets, lavatories, and showers for camping sites' capacity.
(3) Provide running water, drinking water, and electricity.
(4) Provide a minimum number of camping sites:
(A) Fifty (50) for primary applicant.
(B) Twenty-five (25) for secondary applicant.
(5) Be located within fifteen (15) miles of the interchange.
(6) Provide a public telephone.
(7) Provide continuous months of operation:
(A) Twelve (12) months for primary applicant.
(B) Six (6) months for secondary applicant. The secondary applicant shall provide for "CLOSED" panels during the months of closure. Posting of the closed panel, and subsequent removal, will be limited to one (1) time per year. Alternatively, the months of operation may be posted on or below the logo panel.
(8) Provide adequate trailblazing from the interchange to the facility.
(f) To qualify as an applicant for an "ATTRACTION" logo panel, a business must establish the following:
(1) Be of regional significance.
(2) Have adequate off-street parking for normal visitor demand.
(3) Provide modern public restroom facilities and drinking water.
(4) Provide a public telephone.
(5) Be located within fifteen (15) miles of the interchange.
(6) Provide adequate trailblazing from the interchange to the facility.
(7) Be one (1) or more of the following:
(A) Amusement park. A commercially operated park enterprise which supplies refreshments and various forms and devices for entertainment.
(B) Business district/main street community. The central business district of a community or an area within a community which has been officially designated as a main street comnnunity *[sic., community]* by the Indiana department of commerce. To qualify for this type of signage at an exit, there must be more than one (1) exit from the highway to access the community.
(C) Education center. A facility which is of outstanding educational value and which conducts tours on a regularly scheduled basis throughout the year.
(D) Golf course. Eighteen (18) hole minimum United States Golf Association regulation governed. Secondary applicant is the only applicant status available for golf course regardless of operation times outlined in *[subdivision]* (8) below.
(E) Historical site. A structure, district, or site listed on the Indiana Register of Historic Sites and Structures or the National Register of Historic Places as being of historical significance and which is open to the public.
(F) Museum. An organized and permanent institution, with professional staff, essentially educational or aesthetic in purpose, which owns or utilizes tangible objects, cares for them, and exhibits them to the public on some regular schedule.
(G) Religious site. A shrine, grotto, or similar type site which is of a unique religious nature.
(H) Resort/ski area/marina. A facility with those recreational amenities normally present at a facility which is the main focal point of a vacation and which is situated to take advantage of a natural, historic, or recreational attraction.
(I) U-pick/orchard/farmer's market. An established area or facility where consumers can purchase consumer picked or prepicked fresh Indiana grown food directly from Indiana producers.
(J) Winery. A facility that produces wine from grapes or other fruit and maintains a tasting room, sales, and tours.
(K) Botanical/zoological facility. A facility that houses and maintains a collection of unique living animals or plants and is open to the public.
(8) Have regularly scheduled operation for a minimum of:

(A) Eight (8) hours per day, seven (7) days per week all year for primary applicant.

(B) Six (6) hours per day for five (5) days per week for eight (8) continuous months per year for secondary applicant. If applicable, the day(s) of the week the business facility is not in operation shall be shown on or below the logo panel. The secondary applicant shall provide for "CLOSED" panels during the months of closure. Posting of the closed panel, and subsequent removal, will be limited to one (1) time per year. Alternatively, the months of operation may be posted on or below the logo panel.

(g) The department or its contractor will enter into contracts with primary applicants for the use of space on specific service signs. If space remains available on specific service signs after primary applicants have been contracted, the department or its contractor may enter into contracts with secondary applicants for use of the remaining space. *(Indiana Department of Transportation; 105 IAC 9-4-13; filed Aug 13, 1984, 2:54 p.m.: 7 IR 2329; errata, 7 IR 2546; filed Mar 2, 1988, 10:55 a.m.: 11 IR 2333; filed Oct 5, 1993, 5:00 p.m.: 17 IR 173; readopted filed Nov 7, 2001, 3:20 p.m.: 25 IR 899; filed Mar 21, 2002, 4:40 p.m.: 25 IR 2442) NOTE: Transferred from Department of Highways (120 IAC 4-5-13) to Indiana Department of Transportation (105 IAC 9-4-13) by P.L.112-1989, SECTION 5, effective July 1, 1989.*

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