



INDIANA DEPARTMENT OF TRANSPORTATION

100 North Senate Avenue
Room N758 CM
Indianapolis, Indiana 46204

www.in.gov/indot

Mike Braun, Governor
Lyndsay Quist, Commissioner

FINAL DRAFT MINUTES

April 16, 2026, Standards Committee Meeting

(Changes to the Agenda by the Action of the Committee shown as highlighted yellow and based on comments received - green, see pp. [139](#), [151](#) and [152](#).)

May 6, 2026

TO: Standards Committee

FROM: Scott Trammell, Secretary

RE: Minutes from the April 16, 2026, Standards Committee Meeting

The Standards Committee meeting was called to order by Mr. Novak, *Proxy* for G. Pankow, Chair, at 09:01 a.m. on Thursday, April 16, and was held virtually via *Teams* (Microsoft application). The meeting was adjourned at 10:20 a.m. The next Standards Committee meeting is scheduled for Thursday, **May 21**, 2026.

The following committee members were in attendance:

Novak, Joseph*, Chairman, Director, Construction Management
Bruno, Joseph**, Traffic Engineering
Koch, Mike, District Construction, Fort Wayne District
Hauser, Derrick***, Construction Management
Orton, Mark, Highway Engineering
Pelz, Kurt, Construction Technical Support
Rearick, Anne, Bridge Management
Reilman, Jim, Materials and Tests
White, Peter, Bridge Engineering
Wooden, John, Contract Administration
*Proxy for Pankow, Gregory
**Proxy for Boruff, David
***Proxy for Novak, Joseph

Also, the following attendees were present:

Barnes, Tracy, INDOT
Blanchard, Jacob, INDOT
Delp, Patrick, INDOT

Lewis, Sarah K, INDOT
Mouser, Elizabeth, INDOT
Pepenella, Keith J, INDOT

Doug Nagel, Highway Safety Services
Edward Waterfall, Rinker Pipe
Elizabeth Pastuszka, APAI
Feutz, Douglas, INDOT
Fox, Gary A, INDOT
Galetka, Jason, INDOT
Harris, Tom, INDOT
Jacobs, David L, INDOT
John Leckie, IRMCA
Kachler, Mischa, INDOT
Killian, Abbygail, INDOT
Kyle Nagel, Highway Safety Services

Pinkstaff, Katrina, INDOT
Podorvanova, Lana, INDOT
Ranck, Amanda, INDOT
Russell, Melissa, INDOT
Schroeder, Laura, INDOT
Smart, Steve, County Materials
Smith, Charles, INDOT
Smutzer, Katherine, INDOT
Thornton, Donald, INDOT
Trammell, Scott, INDOT
Wortkoetter, Andrew J., INDOT

The following items were discussed:

A. GENERAL BUSINESS

OLD BUSINESS *(No items were listed)*

NEW BUSINESS *Approval of the Minutes from the [March 20, 2026](#) meeting*

Following discussions after the March meeting, Mr. Reilman proposed to withdraw Item No. 4, pending further review.

Item No. 6 - Mr. Koch suggested the language in 506.08 should match what is shown in the drawings. Mr. Dave agreed.

Mr. Novak, sitting as proxy for Mr. Pankow requested a motion to approve the Minutes from the March 20, 2026, meeting, as revised.

Motion: Mr. Pelz
Second: Mr. Reilman
Ayes: 10
Nays: 0

ACTION:

PASSED AS REVISED

B. CONCEPTUAL PROPOSAL

Mr. Novak proposed to discontinue Recurring Special Provision (RSP) 106-C-280 E-TICKETING INCENTIVE for future contracts, and remove the RSP from the MenuBFU, effective for June, July, and August 2026 lettings. Note that the pay item needs to continue to exist since it may need to be added via change order to pay incentives on currently active contracts.

C. STANDARD SPECIFICATIONS, SPECIAL PROVISIONS, AND STANDARD DRAWINGS PROPOSAL

OLD BUSINESS *(No items were listed)*

NEW BUSINESS

Item No. 1 Mr. Boruff pg. 5

Standard Drawings:

E 801-TCLC series (-01 thru -12)

E 801-TCTC series (-01 thru -04)

E 801-TPAR series (-01 thru -11)

ACTION:**PASSED AS SUBMITTED**

Item No. 2 Mr. Boruff pg. 62

Standard Drawings:

E 802-SNDH series

E 802-SNGS series

E 802-SNPL series

ACTION:**PASSED AS SUBMITTED**

Item No. 3 Mr. Boruff pg. 95

2026 Standard Specifications:

808.04(b)

Lane Lines

Standard Drawings:

E 808-DLIM series

E 808-MKPM-06

Transverse Markings Railroad Crossings

ACTION:**PASSED AS REVISED**

Item No. 4 Mr. Boruff pg. 119

Recurring Special Provision:

801-R-542

WORKSITE ADDED PENALTY SIGNS

Recurring Plan Details:

801-T-247d

TRAFFIC CONTROL SIGNS

ACTION:**PASSED AS SUBMITTED**

Item No. 5 Mr. Boruff pg. 140

Recurring Special Provisions:

805-T-085

SIGNAL LAMP REPLACEMENT, AERIAL
INSPECTION, AND LOOP REPLACEMENT

805-T-086

TRAFFIC SIGNAL MAINTENANCE AND REPAIR

ACTION:**PASSED AS SUBMITTED**

Item No. 6 Mr. Reilman pg. 144

2026 Standard Specifications:

211.03

General Requirements

Recurring Special Provision:

715-R-809

PIPE CULVERTS, AND STORM AND SANITARY
SEWERS

ACTION:

PASSED AS SUBMITTED

Item No. 7 Mr. Reilman pg. 149

2026 Standard Specifications:

303.09

Method of Measurement

904.01

Aggregates

ACTION:

PASSED AS REVISED

Item No. 8 Mr. Reilman pg. 154

2026 Standard Specifications:

401.05

Volumetric Mix Design

401.06

Recycled Materials

401.20

Contractor Disputing Acceptance Test Results

ACTION:

PASSED AS REVISED

Item No. 9 Mr. Reilman pg. 160

2026 Standard Specifications:

410.06

Recycled Materials

410.20

Contractor Disputing Acceptance Test Results

ACTION:

PASSED AS SUBMITTED

Item No. 10 Mr. Reilman pg. 165

2026 Standard Specifications:

716.02

Materials

ACTION:

WITHDRAWN

cc: Committee Members
FHWA
ICI

STANDARD SPECIFICATIONS, SPECIAL PROVISIONS AND STANDARD DRAWINGS
REVISION TO STANDARD DRAWINGS

PROPOSAL TO STANDARDS COMMITTEE

PROBLEM(S) ENCOUNTERED: Section 1B.02 of the 11th edition of the MUTCD requires states to update standard drawings to be in substantial conformance with the MUTCD. The 801-TCLC, 801-TCTC, 801-TPAR, need various minor updates for the current edition of the MUTCD.

PROPOSED SOLUTION: Update these Standard Drawing series for the current edition of the MUTCD.

APPLICABLE STANDARD SPECIFICATIONS: N/A

APPLICABLE STANDARD DRAWING: 801-TCLC, 801-TCTC, and 801-TPAR

APPLICABLE DESIGN MANUAL CHAPTER: 503

APPLICABLE SECTION OF GIFE: N/A

APPLICABLE RECURRING SPECIAL PROVISION OR PLAN DETAILS: N/A

PAY ITEMS AFFECTED: N/A

APPLICABLE SUB-COMMITTEE ENDORSEMENT: Reviewed by IMUTCD Steering Committee

IF APPROVED AS RECURRING SPECIAL PROVISION OR PLAN DETAILS, PROPOSED BASIS FOR USE:
Required for contracts with any 801 pay items.

IMPACT ANALYSIS (attach report): Yes

Submitted By: Joe Bruno on behalf of Dave Boruff

Title: Sr. Traffic Engineer

Division: Traffic Engineering Division

E-mail: jbruno@indot.in.gov

Date: 3/20/2026

STANDARD SPECIFICATIONS, SPECIAL PROVISIONS AND STANDARD DRAWINGS
REVISION TO STANDARD DRAWINGS

IMPACT ANALYSIS REPORT CHECKLIST

Explain the business case as to why this item should be presented to the Standards Committee for approval. Answer the following questions with Yes, No or N/A.

Does this item appear in any other specification sections? No

Will approval of this item affect the Qualified Products List (QPL)? No

Will this proposal improve:

Construction costs? No

Construction time? No

Customer satisfaction? Yes

Congestion/travel time? Yes

Ride quality? No

Will this proposal reduce operational costs or maintenance effort? No

Will this item improve safety:

For motorists? Yes

For construction workers? No

Will this proposal improve quality for:

Construction procedures/processes? Yes

Asset preservation? No

Design process? Yes

Will this change provide the contractor more flexibility? No

Will this proposal provide clarification for the Contractor and field personnel? Yes

Can this item improve/reduce the number of potential change orders? Yes

Is this proposal needed for compliance with:

Federal or State regulations? Yes

AASHTO or other design code? No

Is this item editorial? No

Provide any further information as to why this proposal should be placed on the Standards Committee meeting Agenda: N/A

REVISION TO STANDARD DRAWINGS

E 801-TCLC-01 Stationary Lane Closure Index and General Notes (shown markups)

INDEX

SHEET NO.	SUBJECT
1	Stationary Lane Closure Index and General Notes
2	Long-Term Stationary Freeway Right Lane Closure
3	Short or Intermediate Term Stationary Freeway Right Lane Closure
4	Short or Intermediate Term Stationary Freeway Right Lane Closure with Minor Encroachment
5	Long-Term Stationary Freeway Left Lane Closure
6	Short or Intermediate Term Stationary Freeway Left Lane Closure
7	Short or Intermediate Term Stationary Freeway Left Lane Closure with Minor Encroachment
8	Short or Intermediate Term Stationary Double Lane Closure Freeway for Work in the Center Lane
9	Short or Intermediate Term Stationary Double Lane Closure Freeway with Minor Encroachment
10	Short or Intermediate Term Stationary Freeway Right Lane Closure Near Interchange with Exit Open
11	Traffic Control for Freeway Exit Closure
12	Short or Intermediate Term Stationary Lane Closure on Three Lane Road

LEGEND

	Work Area
	Flashing Arrow Sign
	Channelizing Device
	Construction Sign and Supports
	Removal of Pavement Markings and Prismatic Reflectors
	Type III-A Barricades
	Direction of Traffic
	Low Intensity Construction Warning Light, Type A
	Shadow Vehicle with Truck-Mounted Attenuator, Arrow Board, and Strobe Lights
	Type III-Barricade
	Crash Cushion

GENERAL NOTES:

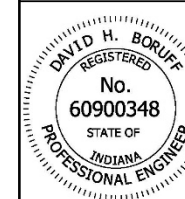
1. **Short-term stationary**, work that occupies a location for more than one hour within a single daylight period.
Intermediate-term stationary, work that occupies a location for more than one daylight period up to three days, or nighttime work lasting more than one hour.
Long-term stationary, work that occupies a location for more than three days.
2. Distances shown may be varied based on field conditions with approval from the Engineer.
3. Unless otherwise noted, the spacing of channelizing devices in tangent sections shall be 100 ft where the posted speed limit is 50 m.p.h. or greater, and the spacing shall be 50 ft where the posted speed limit is less than or equal to 45 m.p.h.
4. Unless otherwise noted, the spacing of channelizing devices in tapers shall be equal in feet to the posted speed limit in m.p.h.
5. The sign spacing shown for freeway lane closures may be reduced to 500 ft for lane closures on rural undivided highways.
6. For interstate lane closures road construction 3 miles, road construction 2 miles, and road construction 1½ mile signs shall be placed in advance of the road construction ahead sign.
7. Temporary pavement markings may be omitted for short-term and intermediate-term stationary daylight lane closures.
8. Temporary highway illumination, when specified, shall be as detailed on the plans.
9. Channelizing devices and barrels are schematic and are only intended to show placement and not number or spacing.

INDIANA DEPARTMENT OF TRANSPORTATION

STATIONARY LANE CLOSURE INDEX
AND GENERAL NOTES

SEPTEMBER 2022

STANDARD DRAWING NO. E 801-TCLC-01

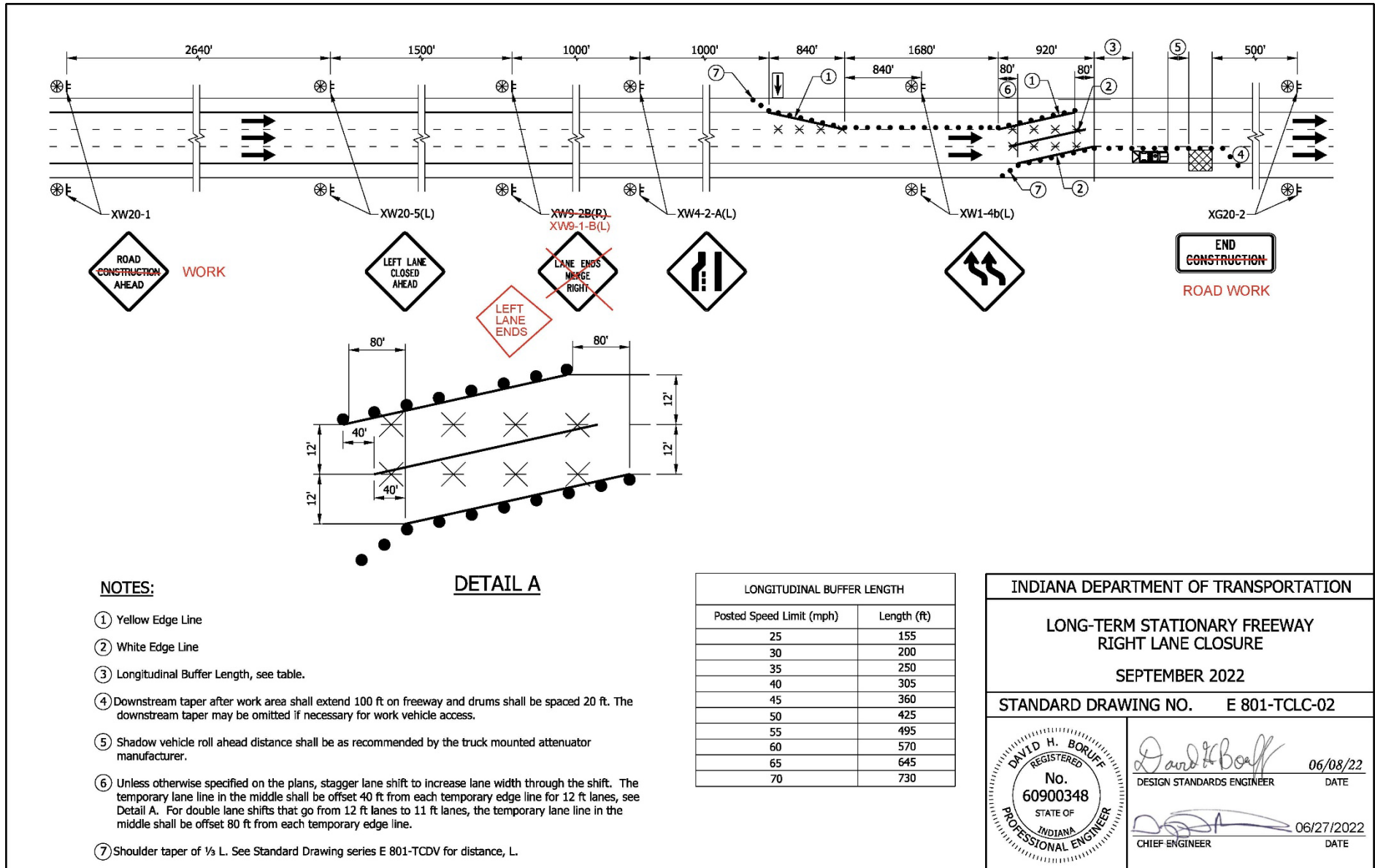


David H. Boruff 06/08/22
DESIGN STANDARDS ENGINEER DATE

[Signature] 06/27/2022
CHIEF ENGINEER DATE

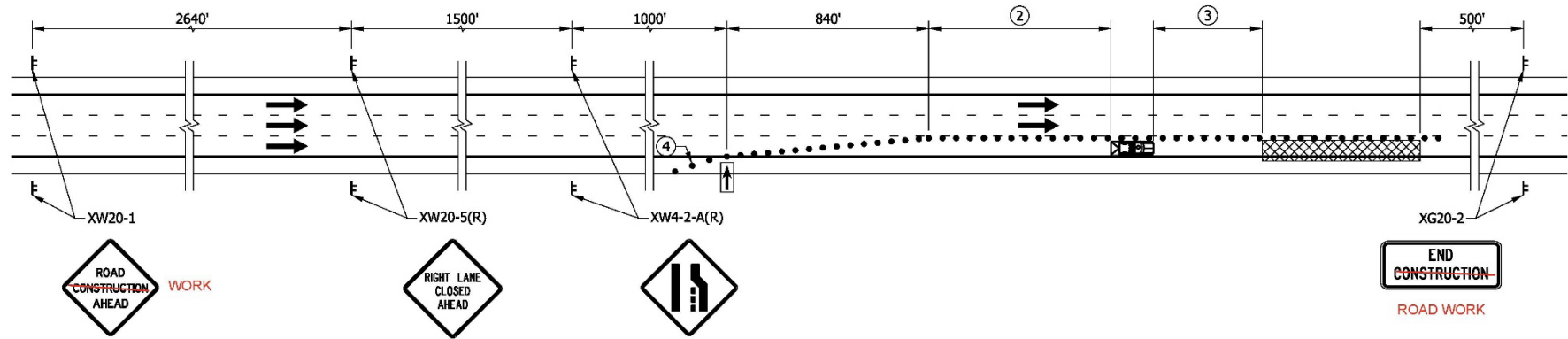
REVISION TO STANDARD DRAWINGS

E 801-TCLC-02 Long-Term Stationary Freeway Right Lane Closure (shown markups)



REVISION TO STANDARD DRAWINGS

E 801-TCLC-03 Short or Intermediate Term Stationary Freeway Right Lane Closure (shown markups)

**NOTES:**

1. See Standard Drawing series E 801-TCDV for merge distance, L.
- ② Longitudinal Buffer Length, see table.
- ③ Shadow vehicle roll ahead distance shall be as recommended by the truck mounted attenuator manufacturer.
- ④ Shoulder taper of $\frac{1}{3}$ L.

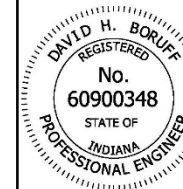
LONGITUDINAL BUFFER LENGTH	
Posted Speed Limit (mph)	Length (ft)
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730

INDIANA DEPARTMENT OF TRANSPORTATION

SHORT OR INTERMEDIATE TERM STATIONARY
FREEWAY RIGHT LANE CLOSURE

SEPTEMBER 2022

STANDARD DRAWING NO. E 801-TCLC-03

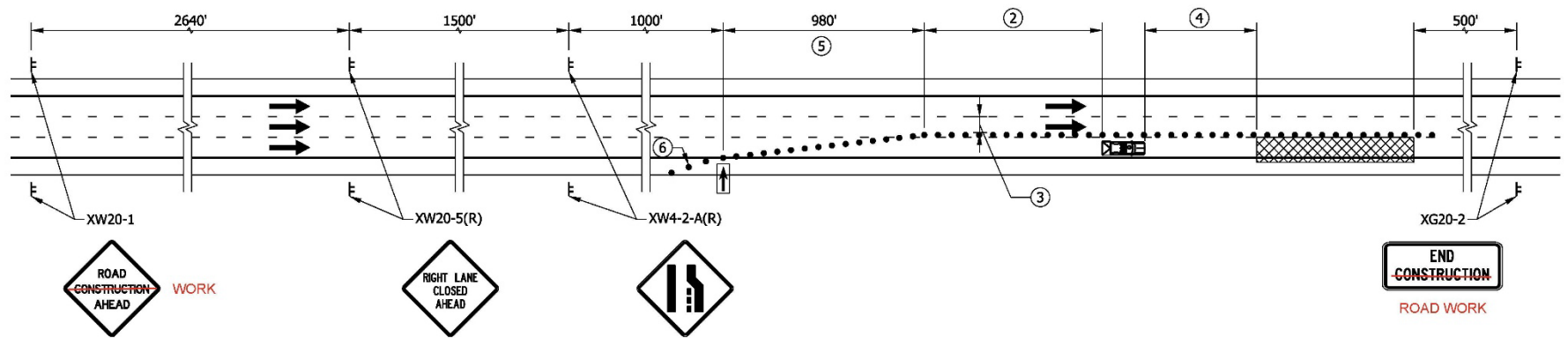


David H. Boruff 06/08/22
DESIGN STANDARDS ENGINEER DATE

[Signature] 06/27/2022
CHIEF ENGINEER DATE

REVISION TO STANDARD DRAWINGS

E 801-TCLC-04 Short or Intermediate Term Stationary Freeway Right Lane Closure with Minor Encroachment (shown markups)

**NOTES:**

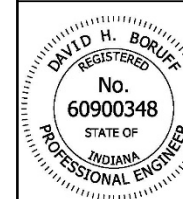
1. See Standard Drawing series E 801-TCDV for merge distance, L.
- ② Longitudinal Buffer Length, see table.
- ③ Lane width shall be a minimum width of 10 ft.
- ④ Shadow vehicle roll ahead distance shall be as recommended by the truck mounted attenuator manufacturer.
- ⑤ Use a separate shift taper separated by a distance of 2L if a merge taper is wider than 14 ft.
- ⑥ Shoulder taper of $\frac{1}{3}$ L.

LONGITUDINAL BUFFER LENGTH	
Posted Speed Limit (mph)	Length (ft)
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730

INDIANA DEPARTMENT OF TRANSPORTATION

SHORT OR INTERMEDIATE TERM STATIONARY
FREEWAY RIGHT LANE CLOSURE
WITH MINOR ENCROACHMENT
SEPTEMBER 2022

STANDARD DRAWING NO. E 801-TCLC-04

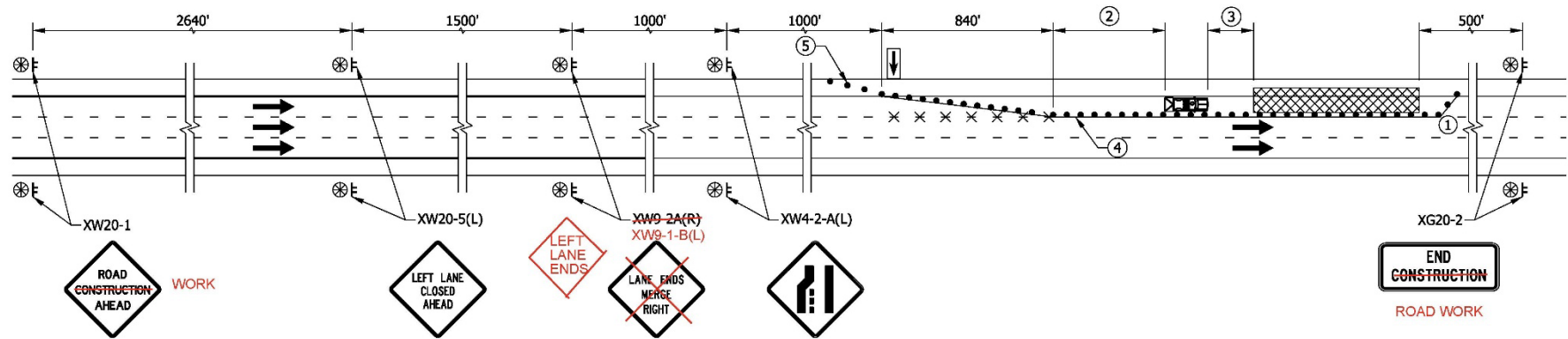


David H. Boruff 06/08/22
DESIGN STANDARDS ENGINEER DATE

[Signature] 06/27/2022
CHIEF ENGINEER DATE

REVISION TO STANDARD DRAWINGS

E 801-TCLC-05 Long-Term Stationary Freeway Left Lane Closure (shown markups)

**NOTES:**

- ① The downstream taper after work area shall extend 100 ft of roadway and drums shall be spaced 20 ft. The downstream taper may be omitted if necessary for work vehicle access.
- ② Longitudinal Buffer Length, see table
- ③ Shadow vehicle roll ahead distance shall be as recommended by the truck mounted attenuator manufacturer.
- ④ Yellow Edge Line
- ⑤ Shoulder taper of $\frac{1}{3}$ L. See Standard Drawing series E 801-TCOV for distance, L.

LONGITUDINAL BUFFER LENGTH	
Posted Speed Limit (mph)	Length (ft)
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730

INDIANA DEPARTMENT OF TRANSPORTATION

LONG-TERM STATIONARY FREEWAY
LEFT LANE CLOSURE

SEPTEMBER 2022

STANDARD DRAWING NO. E 801-TCLC-05

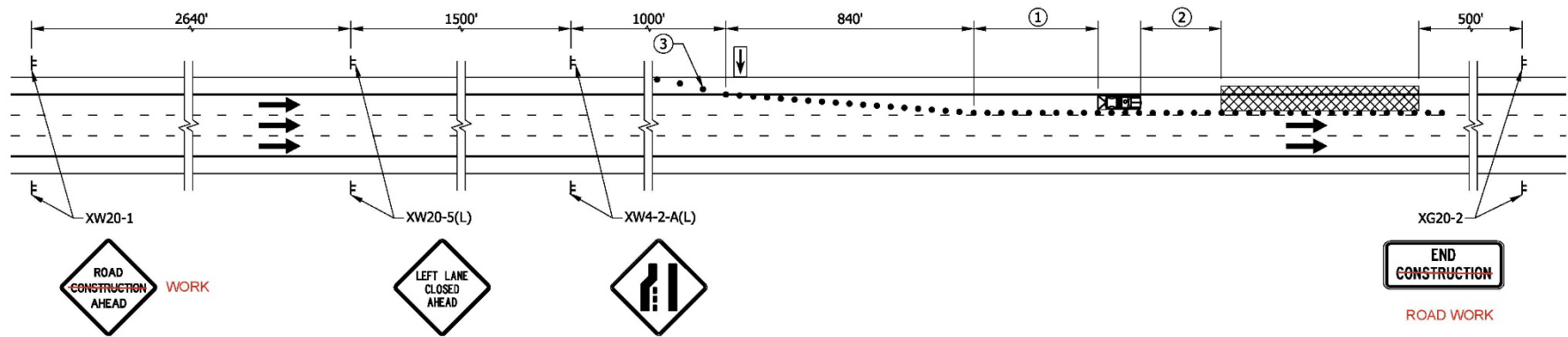


 06/08/22
 DESIGN STANDARDS ENGINEER DATE

 06/27/2022
 CHIEF ENGINEER DATE

REVISION TO STANDARD DRAWINGS

E 801-TCLC-06 Short or Intermediate Term Stationary Freeway Left Lane Closure (shown markups)

**NOTES:**

- ① Longitudinal Buffer Length, see table.
- ② Shadow vehicle roll ahead distance shall be as recommended by the truck mounted attenuator manufacturer.
- ③ Shoulder taper of $\frac{1}{3}$ L. See Standard Drawing series E 801-TCDV for distance, L.

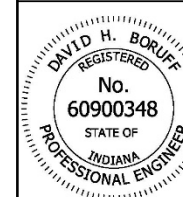
LONGITUDINAL BUFFER LENGTH	
Posted Speed Limit (mph)	Length (ft)
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730

INDIANA DEPARTMENT OF TRANSPORTATION

SHORT OR INTERMEDIATE TERM STATIONARY
FREEWAY LEFT LANE CLOSURE

SEPTEMBER 2022

STANDARD DRAWING NO. E 801-TCLC-06

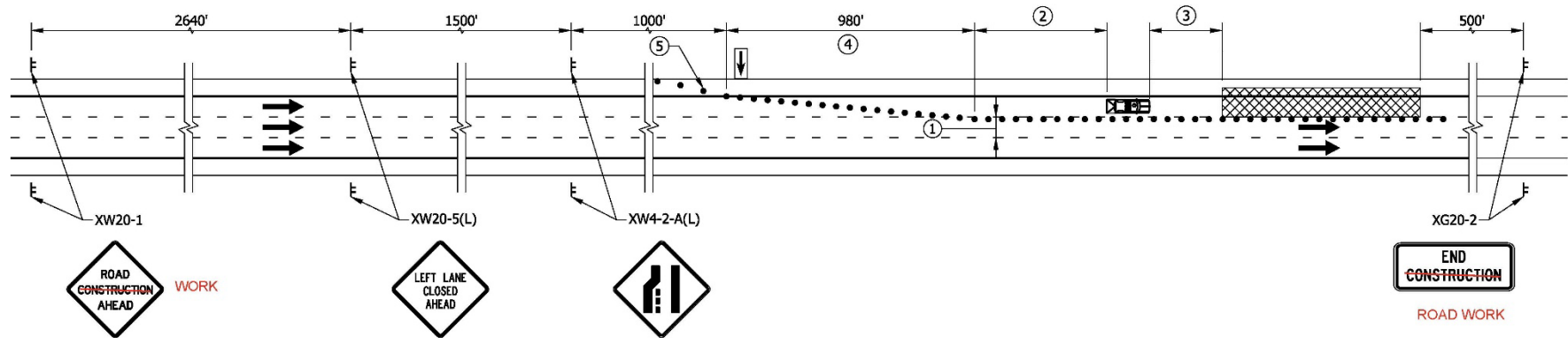


David H. Boruff 06/08/22
DESIGN STANDARDS ENGINEER DATE

[Signature] 06/27/2022
CHIEF ENGINEER DATE

REVISION TO STANDARD DRAWINGS

E 801-TCLC-07 Short or Intermediate Term Stationary Freeway Left Lane Closure with Minor Encroachment (shown markups)

**NOTES:**

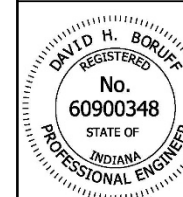
- ① 10 ft minimum lane width
- ② Longitudinal Buffer Length, see table
- ③ Shadow vehicle roll ahead distance shall be as recommended by the truck mounted attenuator manufacturer.
- ④ Use a separate shift taper separated by a distance of 2L if a merge taper is wider than 14 ft.
- ⑤ Shoulder taper of $\frac{1}{2}$ L, see Standard Drawing series E 801-TCOV for distance, L.

LONGITUDINAL BUFFER LENGTH	
Posted Speed Limit (mph)	Length (ft)
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730

INDIANA DEPARTMENT OF TRANSPORTATION

SHORT OR INTERMEDIATE TERM STATIONARY
FREEWAY LEFT LANE CLOSURE WITH
MINOR ENCROACHMENT
SEPTEMBER 2022

STANDARD DRAWING NO. E 801-TCLC-07

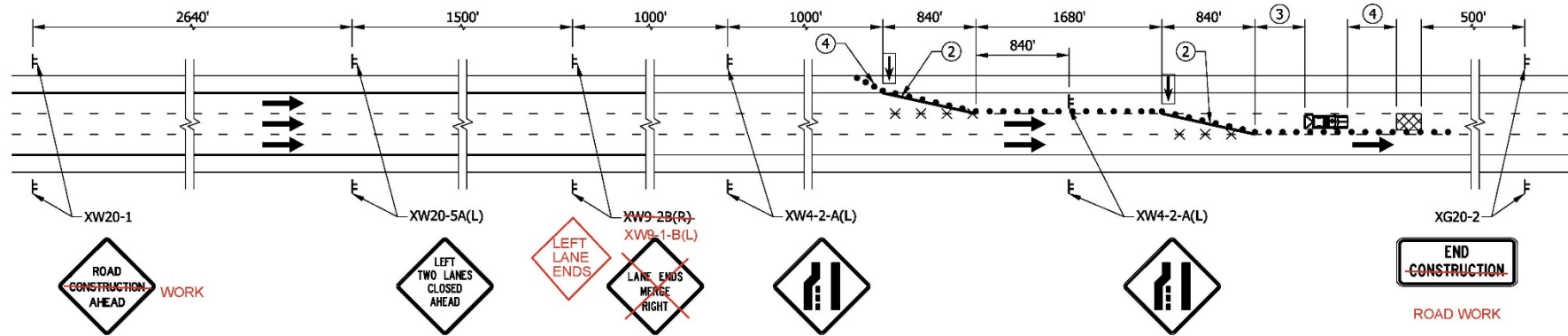


DESIGN STANDARDS ENGINEER 06/08/22
 DATE

 CHIEF ENGINEER 06/27/2022
 DATE

REVISION TO STANDARD DRAWINGS

E 801-TCLC-08 Short or Intermediate Term Stationary Double Lane Closure Freeway for Work in the Center Lane (shown markups)

**NOTES:**

1. Use temporary concrete traffic barrier or reversible lane with moveable barrier in lieu of drums if required by the designer.
- ② Yellow Edge Line
- ③ Longitudinal Buffer Length, see table.
- ④ Shoulder taper $\frac{1}{2}$ L. See Standard Drawing series 801-TCDV for distance, L.

LONGITUDINAL BUFFER LENGTH	
Posted Speed Limit (mph)	Length (ft)
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730

INDIANA DEPARTMENT OF TRANSPORTATION

SHORT OR INTERMEDIATE TERM STATIONARY
DOUBLE LANE CLOSURE FOR
WORK IN THE CENTER LANE
SEPTEMBER 2022

STANDARD DRAWING NO. E 801-TCLC-08

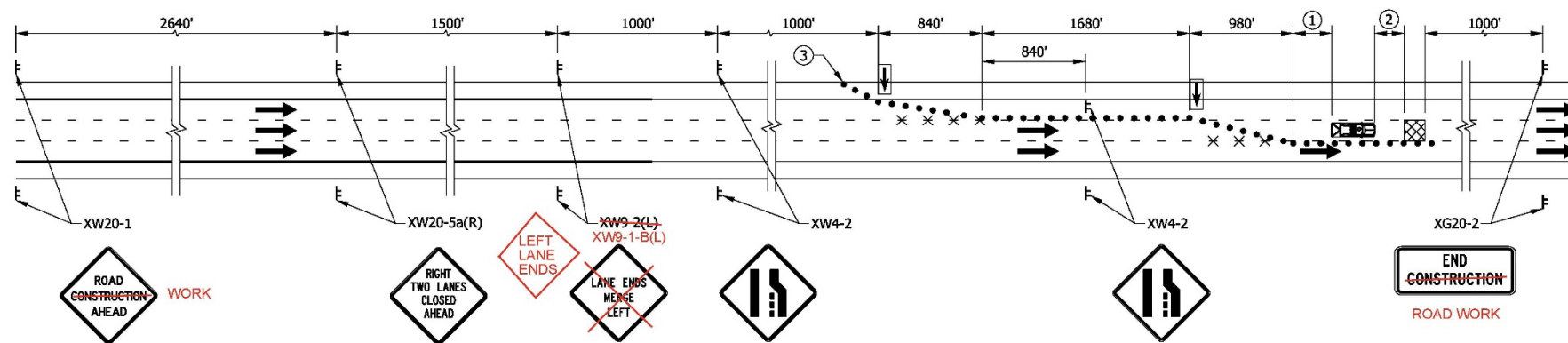


David H. Boruff 06/08/22
DESIGN STANDARDS ENGINEER DATE

[Signature] 06/27/2022
CHIEF ENGINEER DATE

REVISION TO STANDARD DRAWINGS

E 801-TCLC-09 Short or Intermediate Term Stationary Double Lane Closure Freeway with Minor Encroachment (shown markups)

**NOTES:**

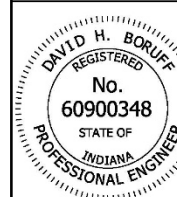
- ① Longitudinal Buffer Length, see table.
- ② Shadow vehicle roll ahead distance shall be as recommended by the truck mounted attenuator manufacturer.
- ③ Shoulder taper of $\frac{1}{2}$ L, see Standard Drawing series E 801-TCDV for distance, L.

LONGITUDINAL BUFFER LENGTH	
Posted Speed Limit (mph)	Length (ft)
25	155
30	200
35	250
40	305
45	360
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60	570
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70	730

INDIANA DEPARTMENT OF TRANSPORTATION

SHORT OR INTERMEDIATE TERM STATIONARY
FREEWAY DOUBLE LANE CLOSURE
WITH MINOR ENCROACHMENT
SEPTEMBER 2022

STANDARD DRAWING NO. E 801-TCLC-09

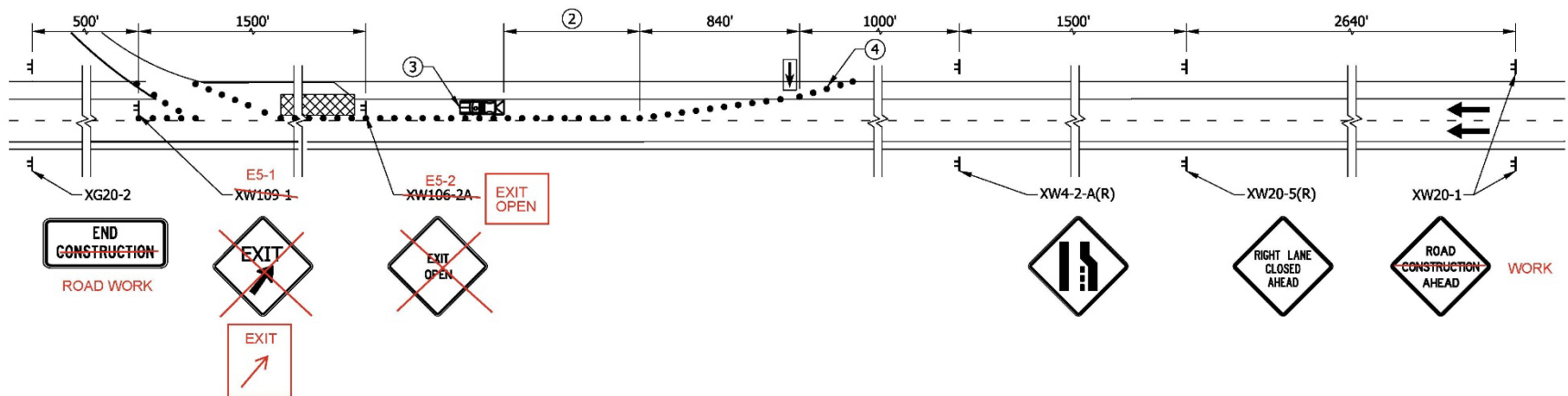


David H. Boruff 06/08/22
DESIGN STANDARDS ENGINEER DATE

[Signature] 06/27/2022
CHIEF ENGINEER DATE

REVISION TO STANDARD DRAWINGS

E 801-TCLC-10 Short or Intermediate Term Stationary Freeway Right Lane Closure Near Interchange with Exit Open (shown markups)

**NOTES:**

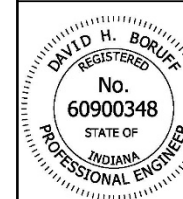
1. See Standard Drawing series E 801-TCDV for merge distance, L.
- ② Longitudinal Buffer Length, see table.
- ③ Shadow vehicle roll ahead distance shall be as recommended by the truck mounted attenuator manufacturer.
- ④ Shoulder taper of $\frac{1}{2}$ L.

LONGITUDINAL BUFFER LENGTH	
Posted Speed Limit (mph)	Length (ft)
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730

INDIANA DEPARTMENT OF TRANSPORTATION

SHORT OR INTERMEDIATE TERM STATIONARY
FREEWAY RIGHT LANE CLOSURE
NEAR INTERCHANGE WITH EXIT OPEN
SEPTEMBER 2022

STANDARD DRAWING NO. E 801-TCLC-10

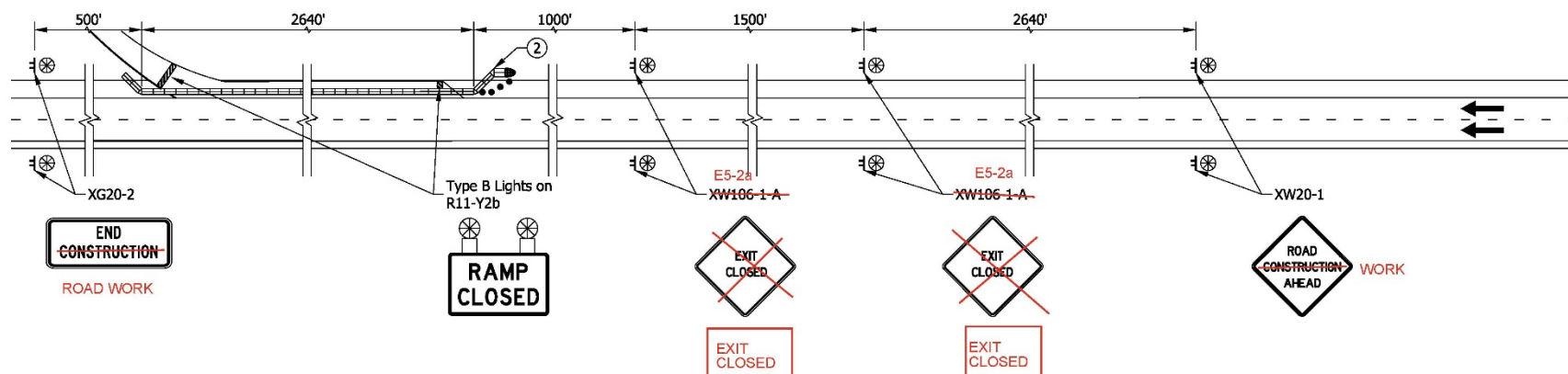


David H. Boruff 06/08/22
DESIGN STANDARDS ENGINEER DATE

[Signature] 06/27/2022
CHIEF ENGINEER DATE

REVISION TO STANDARD DRAWINGS

E 801-TCLC-11 Traffic Control for Freeway Exit Closure (shown markups)

**NOTES:**

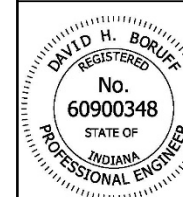
1. Temporary traffic barrier shall be used for long-term stationary work. For short-term or intermediate-term stationary work, drums spaced at 20 ft may be used in lieu of temporary traffic barrier.
- ② Flared temporary traffic barrier or approved end treatment flare rate 16:1 to edge of shoulder.

INDIANA DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL FOR
FREEWAY EXIT CLOSURE

SEPTEMBER 2022

STANDARD DRAWING NO. E 801-TCLC-11

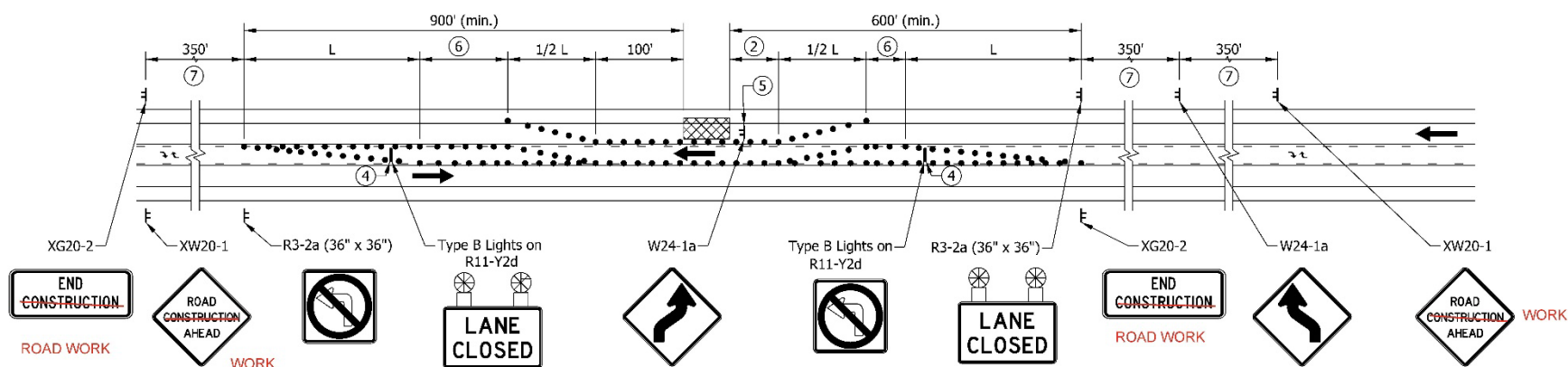


David H. Boruff 06/08/22
DESIGN STANDARDS ENGINEER DATE

[Signature] 06/27/2022
CHIEF ENGINEER DATE

REVISION TO STANDARD DRAWINGS

E 801-TCLC-12 Short or Intermediate Term Stationary Lane Closure on Three Lane Road (shown markups)

**NOTES:**

1. See Standard Drawing series E 801-TCDV for merge distance, L.
- ② Longitudinal Buffer Length, see table.
3. R3-2A must be repeated at each intersection and at class 3 and 4 drives.
- ④ Type III Barricade
- ⑤ The lane-shift sign shall be placed 350 ft in advance of the return lane-shift.
- ⑥ Access Control Buffer, if required.
- ⑦ For urban locations where the speed limit is ≤ 35 mph, the sign spacing may be reduced to 100 ft.

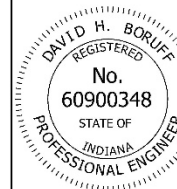
LONGITUDINAL BUFFER LENGTH	
Posted Speed Limit (mph)	Length (ft)
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730

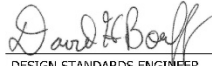
INDIANA DEPARTMENT OF TRANSPORTATION

SHORT OR INTERMEDIATE TERM STATIONARY
LANE CLOSURE ON THREE LANE ROAD

SEPTEMBER 2022

STANDARD DRAWING NO. E 801-TCLC-12



 06/08/22
 DESIGN STANDARDS ENGINEER DATE

 06/27/2022
 CHIEF ENGINEER DATE

REVISION TO STANDARD DRAWINGS

E 801-TCLC-01 Stationary Lane Closure Index and General Notes (proposed draft)

INDEX

SHEET NO.	SUBJECT
1	Stationary Lane Closure Index and General Notes
2	Long-Term Stationary Freeway Right Lane Closure
3	Short or Intermediate Term Stationary Freeway Right Lane Closure
4	Short or Intermediate Term Stationary Freeway Right Lane Closure with Minor Encroachment
5	Long-Term Stationary Freeway Left Lane Closure
6	Short or Intermediate Term Stationary Freeway Left Lane Closure
7	Short or Intermediate Term Stationary Freeway Left Lane Closure with Minor Encroachment
8	Short or Intermediate Term Stationary Double Lane Closure Freeway for Work in the Center Lane
9	Short or Intermediate Term Stationary Double Lane Closure Freeway with Minor Encroachment
10	Short or Intermediate Term Stationary Freeway Right Lane Closure Near Interchange with Exit Open
11	Traffic Control for Freeway Exit Closure
12	Short or Intermediate Term Stationary Lane Closure on Three Lane Road

LEGEND

	Work Area
	Flashing Arrow Sign
	Channelizing Device
	Construction Sign and Supports
	Removal of Pavement Markings and Prismatic Reflectors
	Type III-A Barricades
	Direction of Traffic
	Low Intensity Construction Warning Light, Type A
	Shadow Vehicle with Truck-Mounted Attenuator, Arrow Board, and Strobe Lights
	Type III-Barricade
	Crash Cushion

GENERAL NOTES:

1. **Short-term stationary**, work that occupies a location for more than one hour within a single daylight period.
Intermediate-term stationary, work that occupies a location for more than one daylight period up to three days, or nighttime work lasting more than one hour.
Long-term stationary, work that occupies a location for more than three days.
2. Distances shown may be varied based on field conditions with approval from the Engineer.
3. Unless otherwise noted, the spacing of channelizing devices in tangent sections shall be 100 ft where the posted speed limit is 50 m.p.h. or greater, and the spacing shall be 50 ft where the posted speed limit is less than or equal to 45 m.p.h.
4. Unless otherwise noted, the spacing of channelizing devices in tapers shall be equal in feet to the posted speed limit in m.p.h.
5. The sign spacing shown for freeway lane closures may be reduced to 500 ft for lane closures on rural undivided highways.
6. For interstate lane closures road work 3 miles, road work 2 miles, and road work 1½ mile signs shall be placed in advance of the road work ahead sign.
7. Temporary pavement markings may be omitted for short-term and intermediate-term stationary daylight lane closures.
8. Temporary highway illumination, when specified, shall be as detailed on the plans.
9. Channelizing devices and barrels are schematic and are only intended to show placement and not number or spacing.

INDIANA DEPARTMENT OF TRANSPORTATION

STATIONARY LANE CLOSURE INDEX
AND GENERAL NOTES

SEPTEMBER 2026

STANDARD DRAWING NO. E 801-TCLC-01

DESIGN STANDARDS ENGINEER

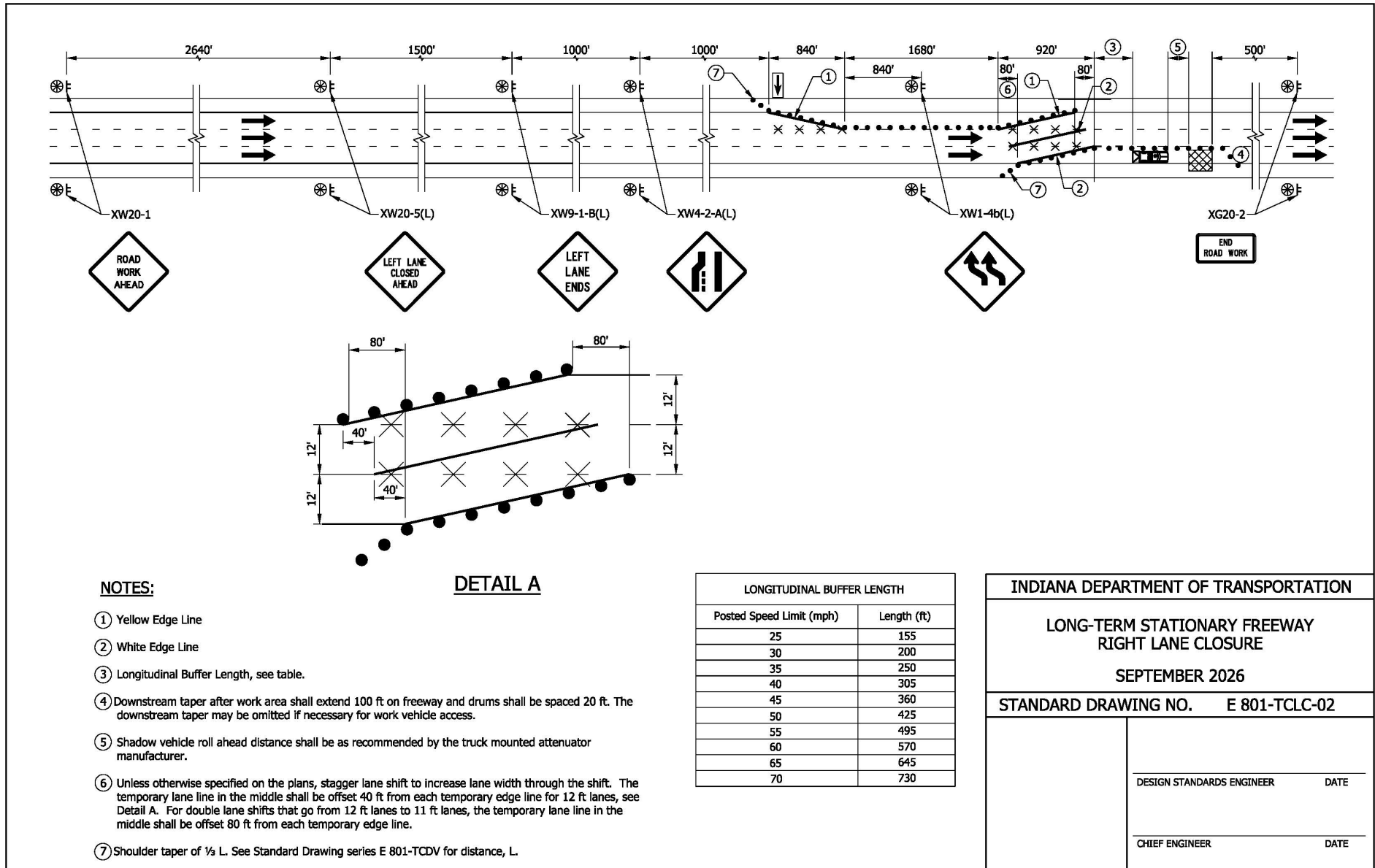
DATE

CHIEF ENGINEER

DATE

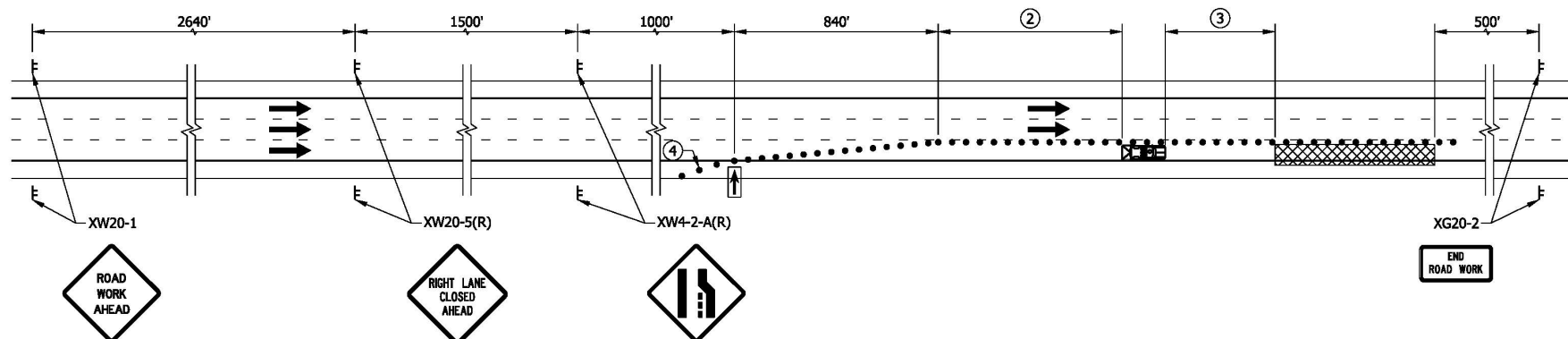
REVISION TO STANDARD DRAWINGS

E 801-TCLC-02 Long-Term Stationary Freeway Right Lane Closure (proposed draft)



REVISION TO STANDARD DRAWINGS

E 801-TCLC-03 Short or Intermediate Term Stationary Freeway Right Lane Closure (proposed draft)

**NOTES:**

1. See Standard Drawing series E 801-TCDV for merge distance, L.
- ② Longitudinal Buffer Length, see table.
- ③ Shadow vehicle roll ahead distance shall be as recommended by the truck mounted attenuator manufacturer.
- ④ Shoulder taper of $\frac{1}{3}$ L.

LONGITUDINAL BUFFER LENGTH	
Posted Speed Limit (mph)	Length (ft)
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730

INDIANA DEPARTMENT OF TRANSPORTATION

SHORT OR INTERMEDIATE TERM STATIONARY
FREEWAY RIGHT LANE CLOSURE

SEPTEMBER 2026

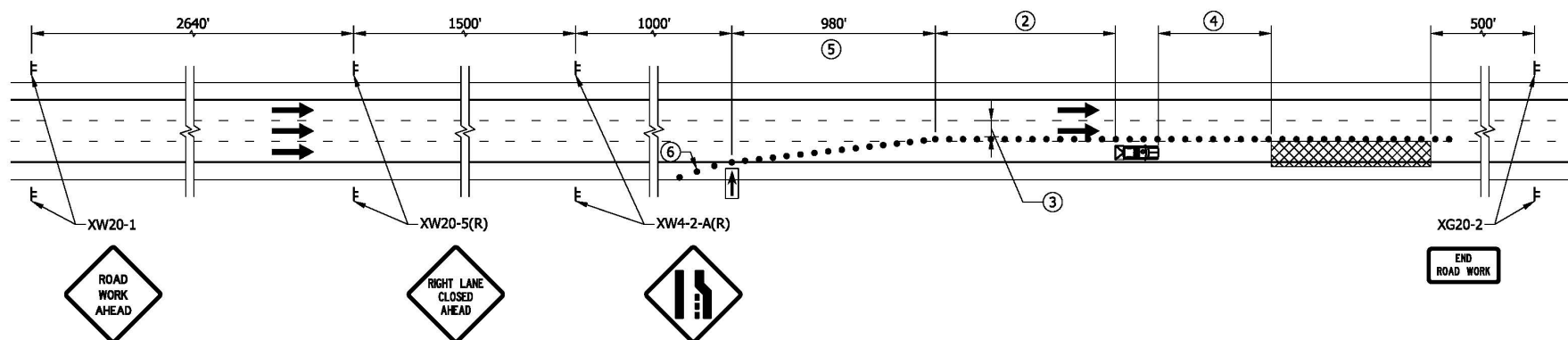
STANDARD DRAWING NO. E 801-TCLC-03

DESIGN STANDARDS ENGINEER DATE

CHIEF ENGINEER DATE

REVISION TO STANDARD DRAWINGS

E 801-TCLC-04 Short or Intermediate Term Stationary Freeway Right Lane Closure with Minor Encroachment (proposed draft)

**NOTES:**

1. See Standard Drawing series E 801-TCDV for merge distance, L.
- ② Longitudinal Buffer Length, see table.
- ③ Lane width shall be a minimum width of 10 ft.
- ④ Shadow vehicle roll ahead distance shall be as recommended by the truck mounted attenuator manufacturer.
- ⑤ Use a separate shift taper separated by a distance of 2L if a merge taper is wider than 14 ft.
- ⑥ Shoulder taper of $\frac{1}{3}$ L.

LONGITUDINAL BUFFER LENGTH	
Posted Speed Limit (mph)	Length (ft)
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730

INDIANA DEPARTMENT OF TRANSPORTATION

SHORT OR INTERMEDIATE TERM STATIONARY
FREEWAY RIGHT LANE CLOSURE
WITH MINOR ENCROACHMENT
SEPTEMBER 2026

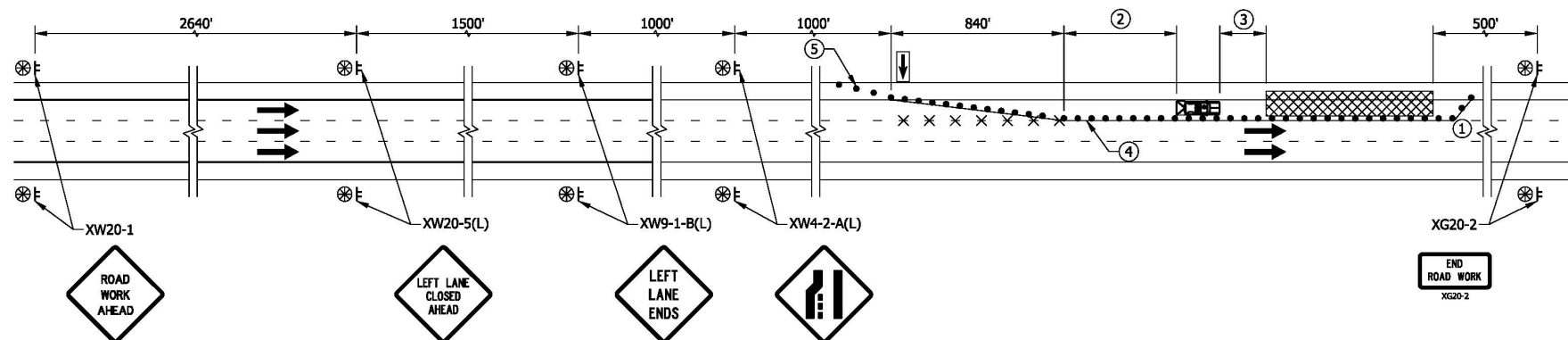
STANDARD DRAWING NO. E 801-TCLC-04

DESIGN STANDARDS ENGINEER DATE

CHIEF ENGINEER DATE

REVISION TO STANDARD DRAWINGS

E 801-TCLC-05 Long-Term Stationary Freeway Left Lane Closure (proposed draft)

**NOTES:**

- ① The downstream taper after work area shall extend 100 ft of roadway and drums shall be spaced 20 ft. The downstream taper may be omitted if necessary for work vehicle access.
- ② Longitudinal Buffer Length, see table
- ③ Shadow vehicle roll ahead distance shall be as recommended by the truck mounted attenuator manufacturer.
- ④ Yellow Edge Line
- ⑤ Shoulder taper of $\frac{1}{3}$ L. See Standard Drawing series E 801-TCOV for distance, L.

LONGITUDINAL BUFFER LENGTH	
Posted Speed Limit (mph)	Length (ft)
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730

INDIANA DEPARTMENT OF TRANSPORTATION

LONG-TERM STATIONARY FREEWAY
LEFT LANE CLOSURE

SEPTEMBER 2026

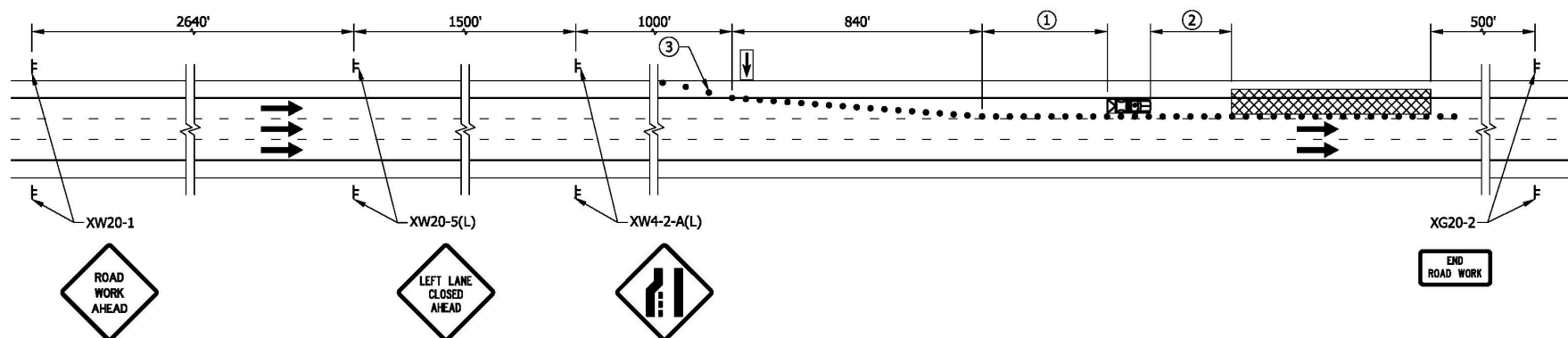
STANDARD DRAWING NO. E 801-TCLC-05

DESIGN STANDARDS ENGINEER DATE

CHIEF ENGINEER DATE

REVISION TO STANDARD DRAWINGS

E 801-TCLC-06 Short or Intermediate Term Stationary Freeway Left Lane Closure (proposed draft)

**NOTES:**

- ① Longitudinal Buffer Length, see table.
- ② Shadow vehicle roll ahead distance shall be as recommended by the truck mounted attenuator manufacturer.
- ③ Shoulder taper of $\frac{1}{3} L$. See Standard Drawing series E 801-TCDV for distance, L.

LONGITUDINAL BUFFER LENGTH	
Posted Speed Limit (mph)	Length (ft)
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730

INDIANA DEPARTMENT OF TRANSPORTATION

SHORT OR INTERMEDIATE TERM STATIONARY
FREEWAY LEFT LANE CLOSURE

SEPTEMBER 2026

STANDARD DRAWING NO. E 801-TCLC-06

DESIGN STANDARDS ENGINEER

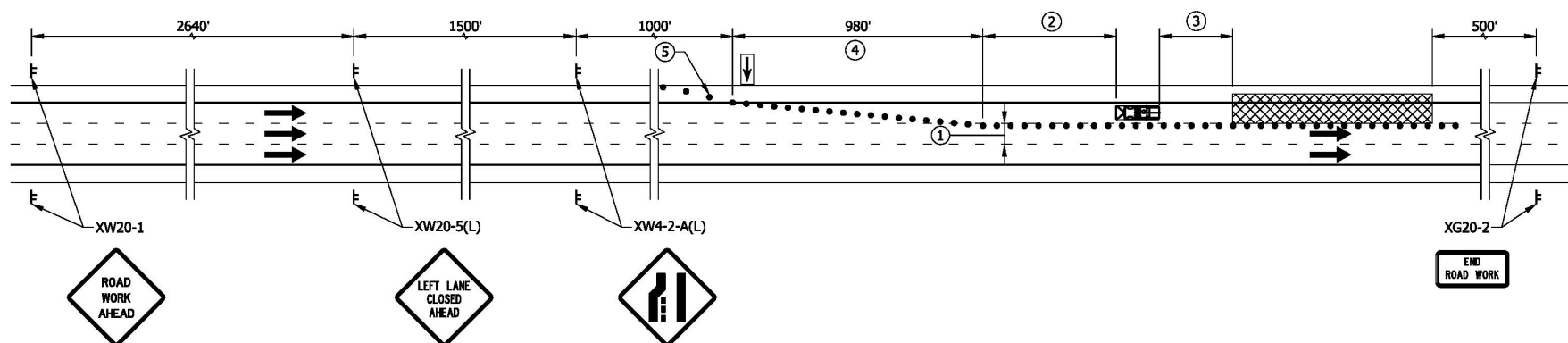
DATE

CHIEF ENGINEER

DATE

REVISION TO STANDARD DRAWINGS

E 801-TCLC-07 Short or Intermediate Term Stationary Freeway Left Lane Closure with Minor Encroachment (proposed draft)

**NOTES:**

- ① 10 ft minimum lane width
- ② Longitudinal Buffer Length, see table
- ③ Shadow vehicle roll ahead distance shall be as recommended by the truck mounted attenuator manufacturer.
- ④ Use a separate shift taper separated by a distance of 2L if a merge taper is wider than 14 ft.
- ⑤ Shoulder taper of $\frac{1}{2}$ L, see Standard Drawing series E 801-TC DV for distance, L.

LONGITUDINAL BUFFER LENGTH	
Posted Speed Limit (mph)	Length (ft)
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730

INDIANA DEPARTMENT OF TRANSPORTATION

**SHORT OR INTERMEDIATE TERM STATIONARY
FREEWAY LEFT LANE CLOSURE WITH
MINOR ENCROACHMENT
SEPTEMBER 2026**

STANDARD DRAWING NO. E 801-TCLC-07

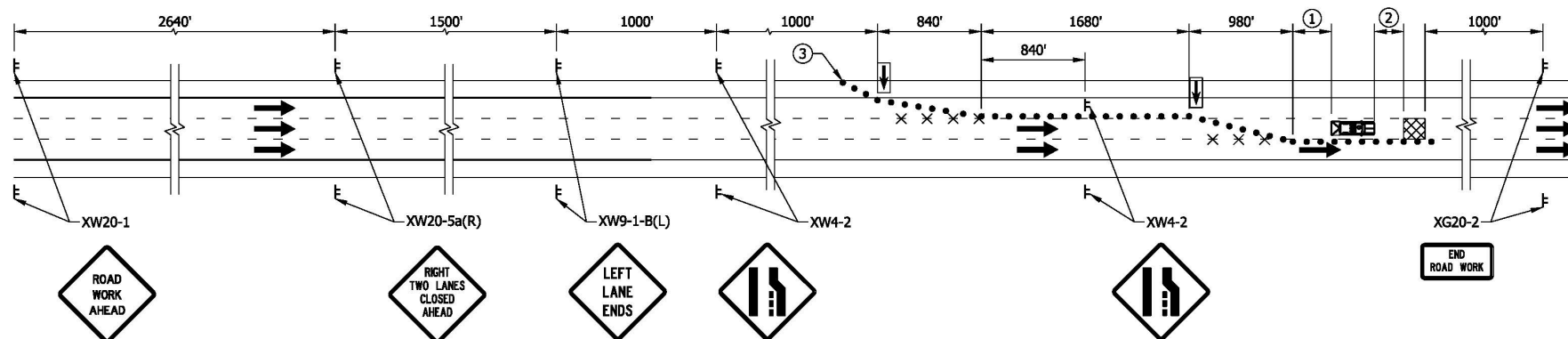
DESIGN STANDARDS ENGINEER DATE

CHIEF ENGINEER DATE

E 801-TCLC-08 Short or Intermediate Term Stationary Double Lane Closure Freeway for Work in the Center Lane (proposed draft)

REVISION TO STANDARD DRAWINGS

E 801-TCLC-09 Short or Intermediate Term Stationary Double Lane Closure Freeway with Minor Encroachment (proposed draft)

**NOTES:**

- ① Longitudinal Buffer Length, see table.
- ② Shadow vehicle roll ahead distance shall be as recommended by the truck mounted attenuator manufacturer.
- ③ Shoulder taper of $\frac{1}{2}$ L, see Standard Drawing series E 801-TCOV for distance, L.

LONGITUDINAL BUFFER LENGTH	
Posted Speed Limit (mph)	Length (ft)
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730

INDIANA DEPARTMENT OF TRANSPORTATION

SHORT OR INTERMEDIATE TERM STATIONARY
FREEWAY DOUBLE LANE CLOSURE
WITH MINOR ENCROACHMENT
SEPTEMBER 2026

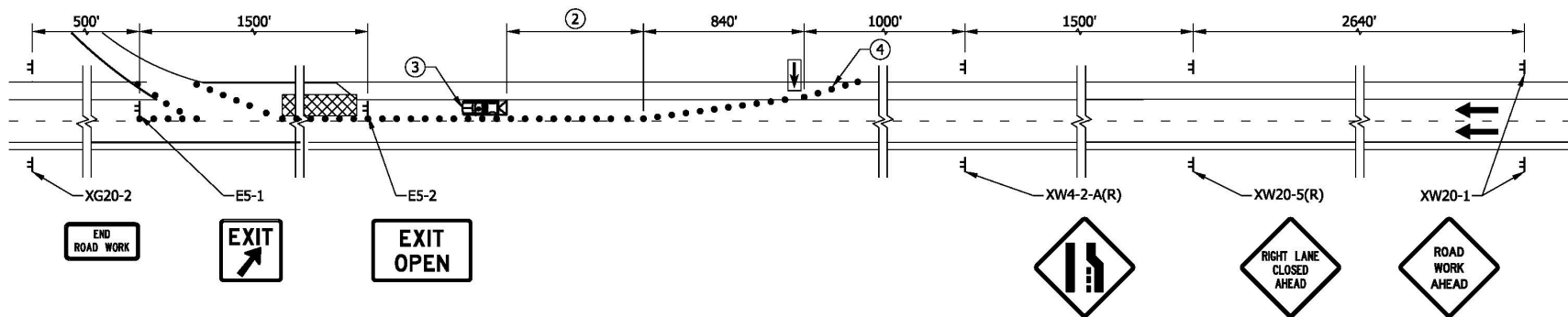
STANDARD DRAWING NO. E 801-TCLC-09

DESIGN STANDARDS ENGINEER DATE

CHIEF ENGINEER DATE

REVISION TO STANDARD DRAWINGS

E 801-TCLC-10 Short or Intermediate Term Stationary Freeway Right Lane Closure Near Interchange with Exit Open (proposed draft)

**NOTES:**

1. See Standard Drawing series E 801-TCDV for merge distance, L.
- ② Longitudinal Buffer Length, see table.
- ③ Shadow vehicle roll ahead distance shall be as recommended by the truck mounted attenuator manufacturer.
- ④ Shoulder taper of $\frac{1}{2}$ L.

LONGITUDINAL BUFFER LENGTH	
Posted Speed Limit (mph)	Length (ft)
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730

INDIANA DEPARTMENT OF TRANSPORTATION

SHORT OR INTERMEDIATE TERM STATIONARY
FREEWAY RIGHT LANE CLOSURE
NEAR INTERCHANGE WITH EXIT OPEN
SEPTEMBER 2026

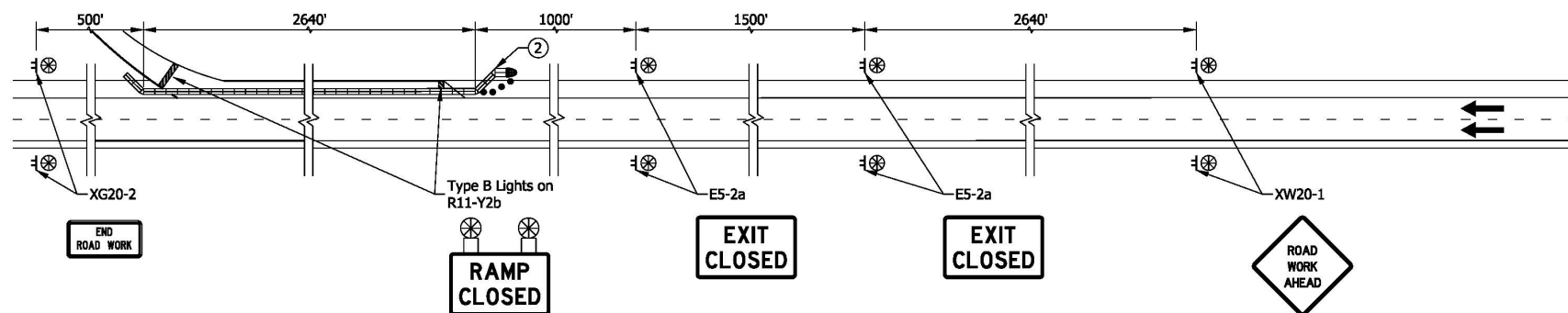
STANDARD DRAWING NO. E 801-TCLC-10

DESIGN STANDARDS ENGINEER DATE

CHIEF ENGINEER DATE

REVISION TO STANDARD DRAWINGS

E 801-TCLC-11 Traffic Control for Freeway Exit Closure (proposed draft)

**NOTES:**

1. Temporary traffic barrier shall be used for long-term stationary work. For short-term or intermediate-term stationary work, drums spaced at 20 ft may be used in lieu of temporary traffic barrier.

- ② Flared temporary traffic barrier or approved end treatment flare rate 16:1 to edge of shoulder.

INDIANA DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL FOR
FREEWAY EXIT CLOSURE

SEPTEMBER 2026

STANDARD DRAWING NO. E 801-TCLC-11

DESIGN STANDARDS ENGINEER

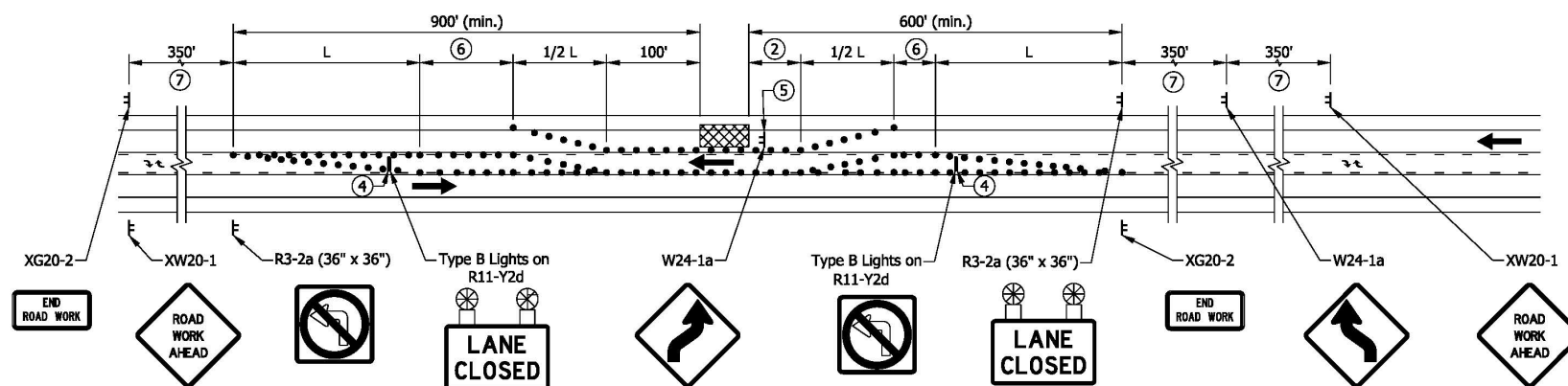
DATE

CHIEF ENGINEER

DATE

REVISION TO STANDARD DRAWINGS

E 801-TCLC-12 Short or Intermediate Term Stationary Lane Closure on Three Lane Road (proposed draft)

**NOTES:**

1. See Standard Drawing series E 801-TCDV for merge distance, L.
- ② Longitudinal Buffer Length, see table.
3. R3-2A must be repeated at each intersection and at class 3 and 4 drives.
- ④ Type III Barricade
- ⑤ The lane-shift sign shall be placed 350 ft in advance of the return lane-shift.
- ⑥ Access Control Buffer, if required.
- ⑦ For urban locations where the speed limit is ≤ 35 mph, the sign spacing may be reduced to 100 ft.

LONGITUDINAL BUFFER LENGTH	
Posted Speed Limit (mph)	Length (ft)
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730

INDIANA DEPARTMENT OF TRANSPORTATION

SHORT OR INTERMEDIATE TERM STATIONARY
LANE CLOSURE ON THREE LANE ROAD

SEPTEMBER 2026

STANDARD DRAWING NO. E 801-TCLC-12

DESIGN STANDARDS ENGINEER DATE

CHIEF ENGINEER DATE

REVISION TO STANDARD DRAWINGS

E 801-TCTC-01 Temporary Closures, Index and General Notes (no changes)

INDEX

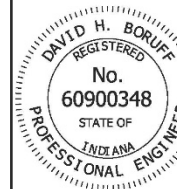
SHEET NO.	SUBJECT
1	Temporary Closures, Index and General Notes
2	Temporary Closures of a Divided Highway
3	Temporary Closure of a Freeway or Expressway with Detour
4	Temporary Closures for Project Following Completion of Grading Contract

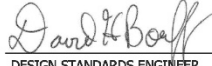
INDIANA DEPARTMENT OF TRANSPORTATION

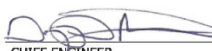
TEMPORARY CLOSURES,
INDEX AND GENERAL NOTES

SEPTEMBER 2022

STANDARD DRAWING NO. E 801-TCTC-01

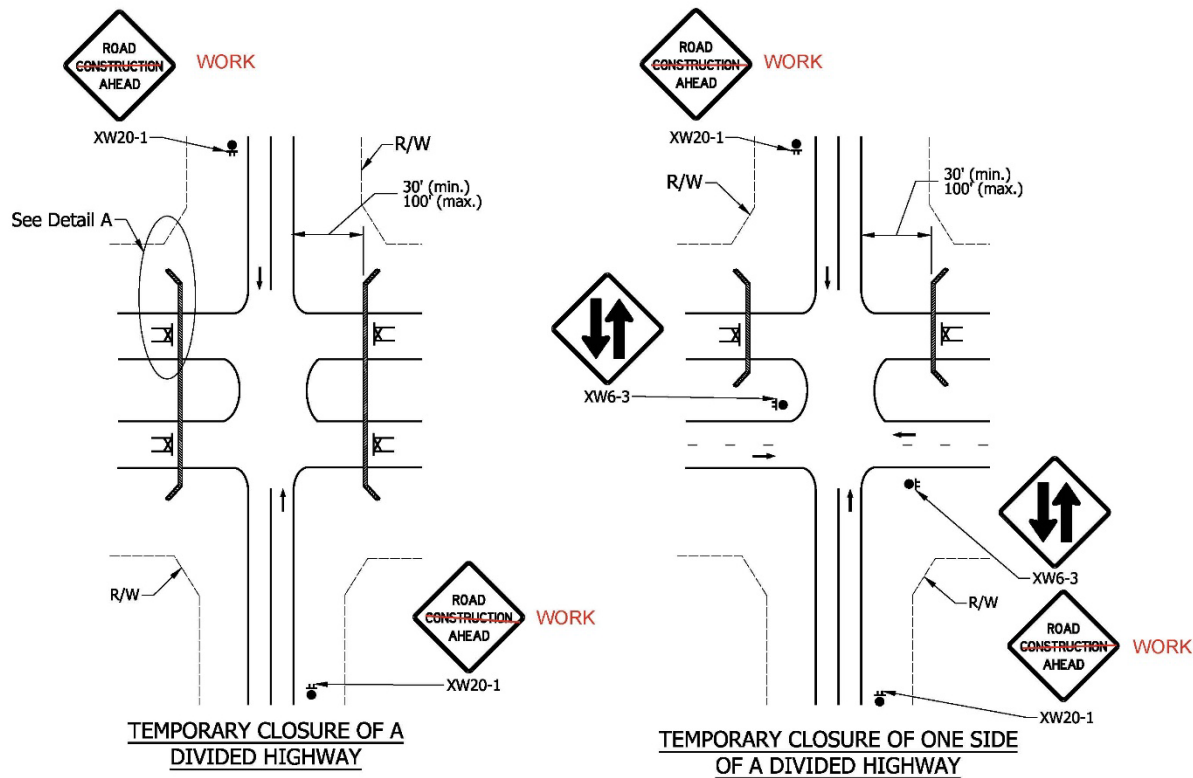


 06/08/22
 DESIGN STANDARDS ENGINEER DATE

 06/27/2022
 CHIEF ENGINEER DATE

REVISION TO STANDARD DRAWINGS

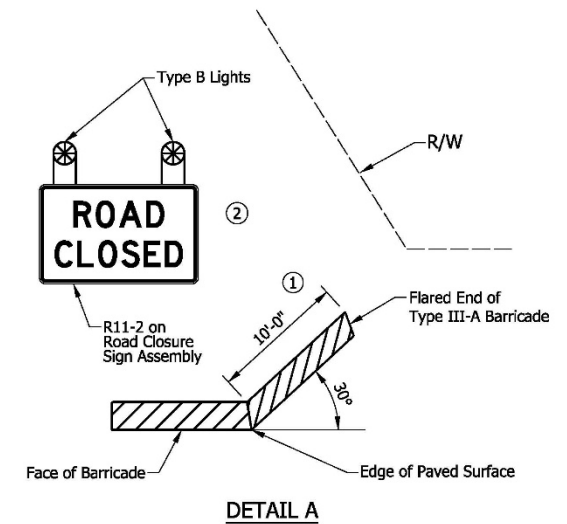
E 801-TCTC-02 Temporary Closures of a Divided Highway (shown markups)

**LEGEND**

- Construction Sign and Supports
- Road Closure Sign Assembly
- Type III-A Barricades
- Direction of Traffic
- Construction Warning Light

NOTES:

- ① Type III-A barricades shall be used to R/W, or to the point where no longer traversable.
- ② See Standard Drawing series E 801-TCDV for road closure sign assembly and Type III barricade details.

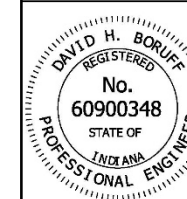


INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY CLOSURES OF A DIVIDED HIGHWAY

SEPTEMBER 2022

STANDARD DRAWING NO. E 801-TCTC-02

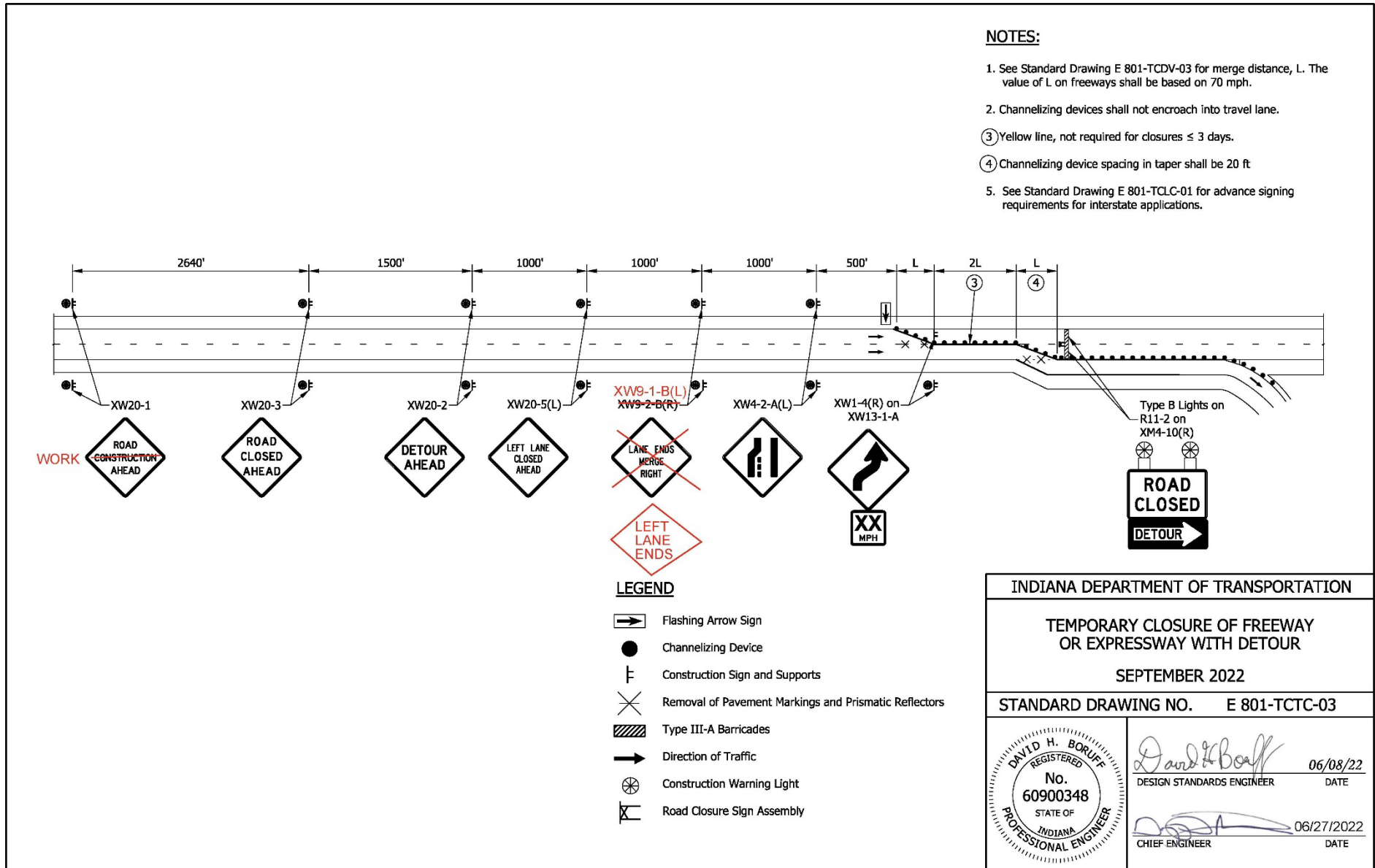


David H. Boruff 06/08/22
 DESIGN STANDARDS ENGINEER DATE

[Signature] 06/27/2022
 CHIEF ENGINEER DATE

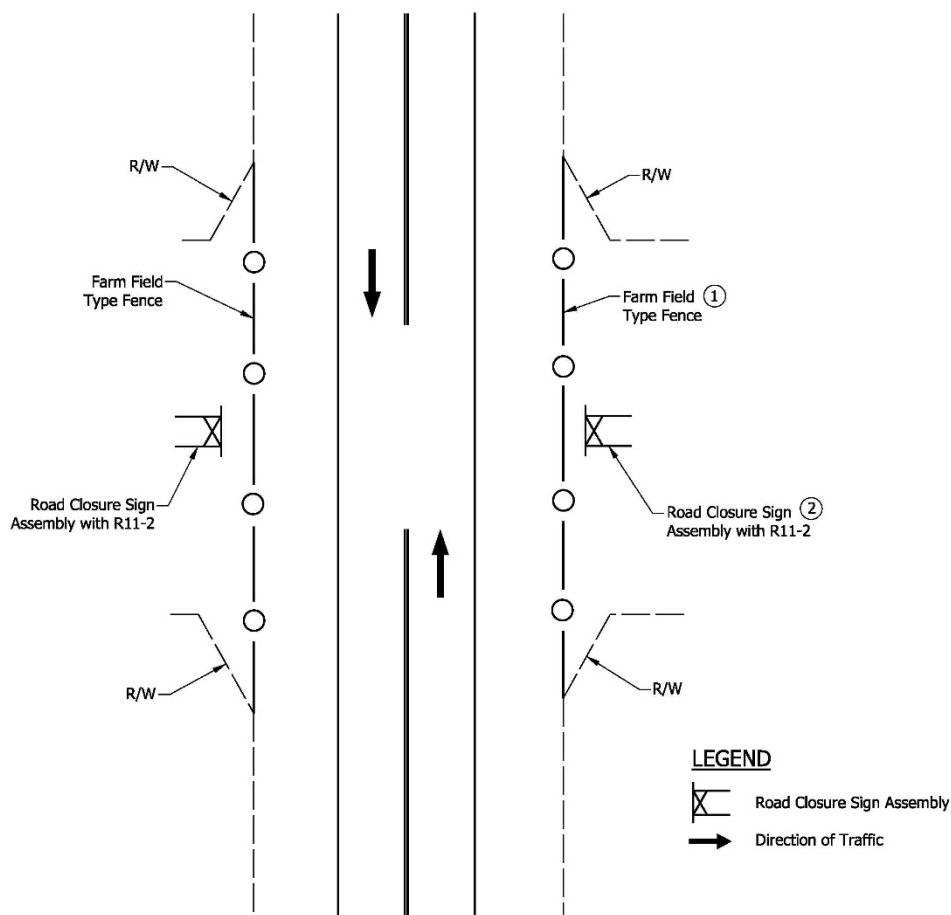
REVISION TO STANDARD DRAWINGS

E 801-TCTC-03 Temporary Closure of a Freeway or Expressway with Detour (shown markups)



REVISION TO STANDARD DRAWINGS

E 801-TCTC-04 Temporary Closures for Project Following Completion of Grading Contract (no changes)

**NOTES:**

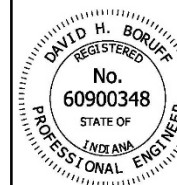
- ① See Standard Drawing series E 603-FFTF for farm field type fence detail.
- ② See Standard Drawing series E 801-TCDV for Type III barricade and road closure sign assembly detail.

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY CLOSURES FOR PROJECT
FOLLOWING COMPLETION OF GRADING
CONTRACT

SEPTEMBER 2022

STANDARD DRAWING NO. E 801-TCTC-04



David H. Boruff 06/08/22
DESIGN STANDARDS ENGINEER DATE

[Signature] 06/27/2022
CHIEF ENGINEER DATE

REVISION TO STANDARD DRAWINGS

E 801-TCTC-01 Temporary Closures, Index and General Notes (proposed draft)

INDEX	
SHEET NO.	SUBJECT
1	Temporary Closures, Index and General Notes
2	Temporary Closures of a Divided Highway
3	Temporary Closure of a Freeway or Expressway with Detour
4	Temporary Closures for Project Following Completion of Grading Contract

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY CLOSURES,
INDEX AND GENERAL NOTES

SEPTEMBER 2026

STANDARD DRAWING NO. E 801-TCTC-01

DESIGN STANDARDS ENGINEER

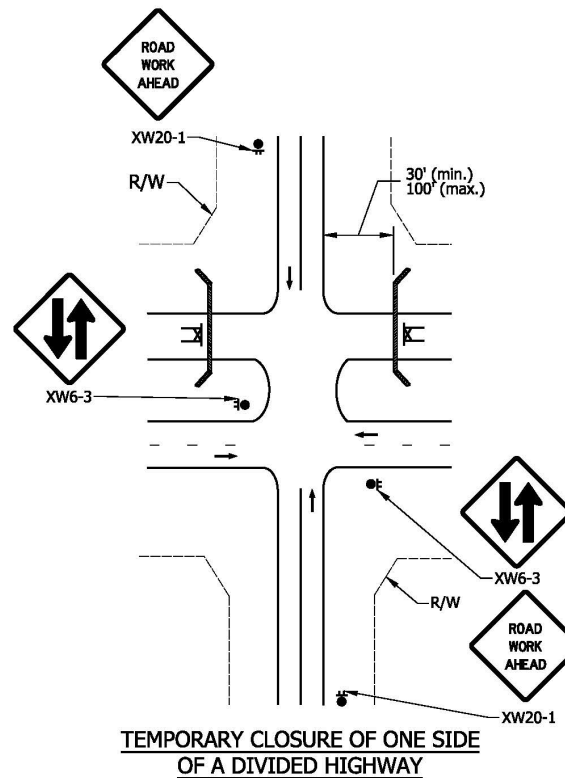
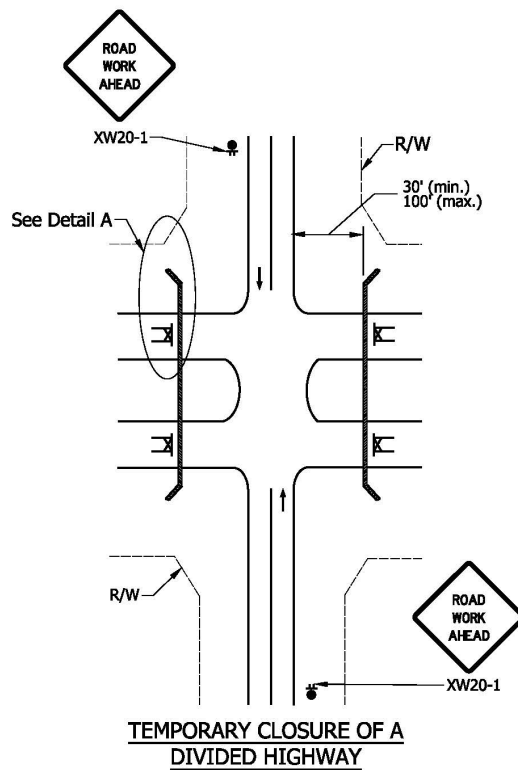
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CHIEF ENGINEER

DATE

REVISION TO STANDARD DRAWINGS

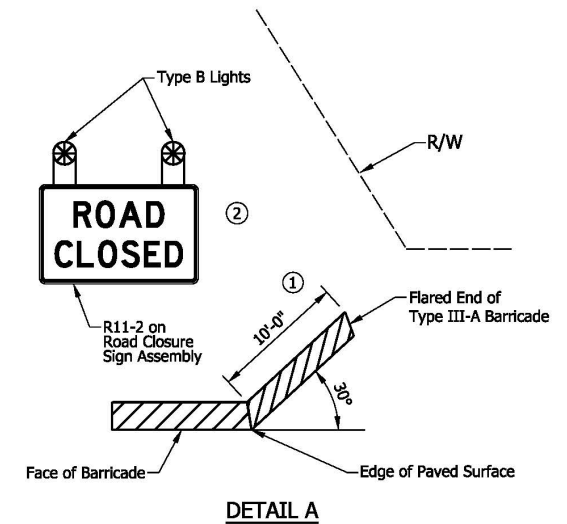
E 801-TCTC-02 Temporary Closures of a Divided Highway (proposed draft)

**LEGEND**

- Construction Sign and Supports
- Road Closure Sign Assembly
- Type III-A Barricades
- Direction of Traffic
- Construction Warning Light

NOTES:

- ① Type III-A barricades shall be used to R/W, or to the point where no longer traversable.
- ② See Standard Drawing series E 801-TCDV for road closure sign assembly and Type III barricade details.



INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY CLOSURES OF A DIVIDED HIGHWAY

SEPTEMBER 2026

STANDARD DRAWING NO. E 801-TCTC-02

DESIGN STANDARDS ENGINEER DATE

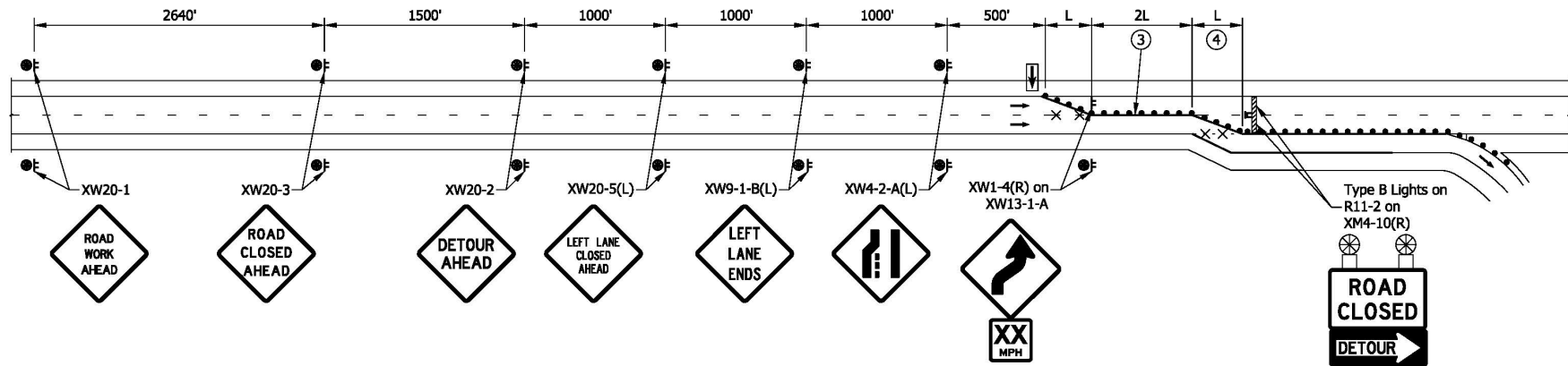
CHIEF ENGINEER DATE

REVISION TO STANDARD DRAWINGS

E 801-TCTC-03 Temporary Closure of a Freeway or Expressway with Detour (proposed draft)

NOTES:

1. See Standard Drawing E 801-TCOV-03 for merge distance, L. The value of L on freeways shall be based on 70 mph.
2. Channelizing devices shall not encroach into travel lane.
- ③ Yellow line, not required for closures ≤ 3 days.
- ④ Channelizing device spacing in taper shall be 20 ft
5. See Standard Drawing E 801-TCLC-01 for advance signing requirements for interstate applications.

**LEGEND**

- Flashing Arrow Sign
- Channelizing Device
- Construction Sign and Supports
- Removal of Pavement Markings and Prismatic Reflectors
- Type III-A Barricades
- Direction of Traffic
- Construction Warning Light
- Road Closure Sign Assembly

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY CLOSURE OF FREEWAY
OR EXPRESSWAY WITH DETOUR

SEPTEMBER 2026

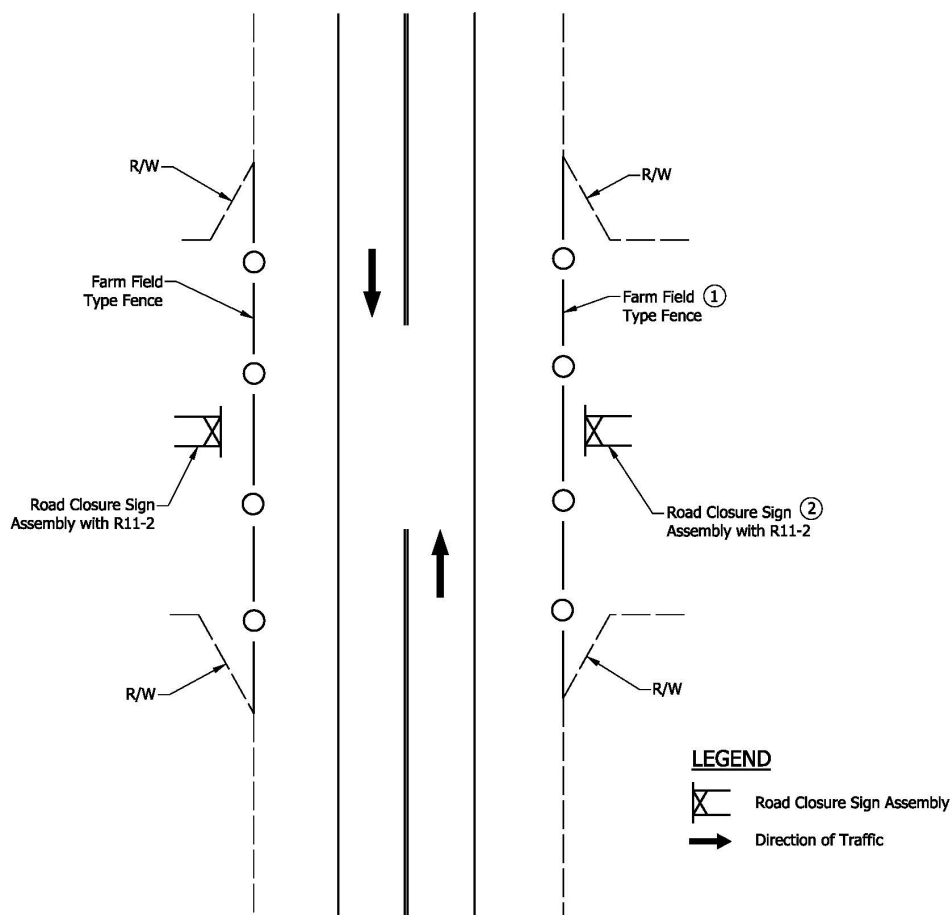
STANDARD DRAWING NO. E 801-TCTC-03

DESIGN STANDARDS ENGINEER DATE

CHIEF ENGINEER DATE

REVISION TO STANDARD DRAWINGS

E 801-TCTC-04 Temporary Closures for Project Following Completion of Grading Contract (proposed draft)

**NOTES:**

- ① See Standard Drawing series E 603-FFTF for farm field type fence detail.
- ② See Standard Drawing series E 801-TCDV for Type III barricade and road closure sign assembly detail.

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY CLOSURES FOR PROJECT
FOLLOWING COMPLETION OF GRADING
CONTRACT

SEPTEMBER 2026

STANDARD DRAWING NO. E 801-TCTC-04

DESIGN STANDARDS ENGINEER

DATE

CHIEF ENGINEER

DATE

REVISION TO STANDARD DRAWINGS

E 801-TRAR-01 Index and General Notes

INDEX	
SHEET NO.	SUBJECT - TEMPORARY PEDESTRIAN ACCESS ROUTES
1	Index and General Notes
2	Pedestrian Detour Corner Closure
3	Pedestrian Detour Crosswalk Closure
4	Pedestrian Detour Full Block Closure
5	Pedestrian Detour Multi-Block Closure
6	Pedestrian Detour Midblock Closure
7	Pedestrian Detour Midblock Closure with Temporary Crossing
8	Pedestrian Diversion, Streetside at Intersection
9	Pedestrian Diversion, Right-of-way Side
10	Temporary Curb Ramps
11	Temporary Pedestrian Channelizers

GENERAL NOTES:

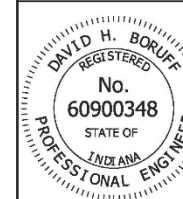
1. Signs, railings, or other objects may protrude a maximum of 4 inches into the walkway clear area when located 27 inches minimum above the walkway surface.
2. Any construction signs placed in the sidewalk shall include supports with detectable edging in accordance with Part 6 of the MUTCD.
3. Audible information devices, when specified, shall be a minimum of 15 ft apart and may be mounted on channelizing devices, pedestrian channelizers, or on an independent support post. Audible information devices shall not reduce the width of a temporary pedestrian access route to less than 4 ft. Placement of audible information devices shall be as shown on the plans or as directed by the Engineer.
4. Pedestrian traffic signal displays controlling closed crosswalks shall be covered or deactivated.
5. Type A flashing warning lights may be omitted on pedestrian channelizers that support signs and closed sidewalks during daytime only closures.
6. Construction signs shall not reduce the available width of a temporary pedestrian access route to less than 4 ft.

INDIANA DEPARTMENT OF TRANSPORTATION

INDEX AND GENERAL NOTES

SEPTEMBER 2024

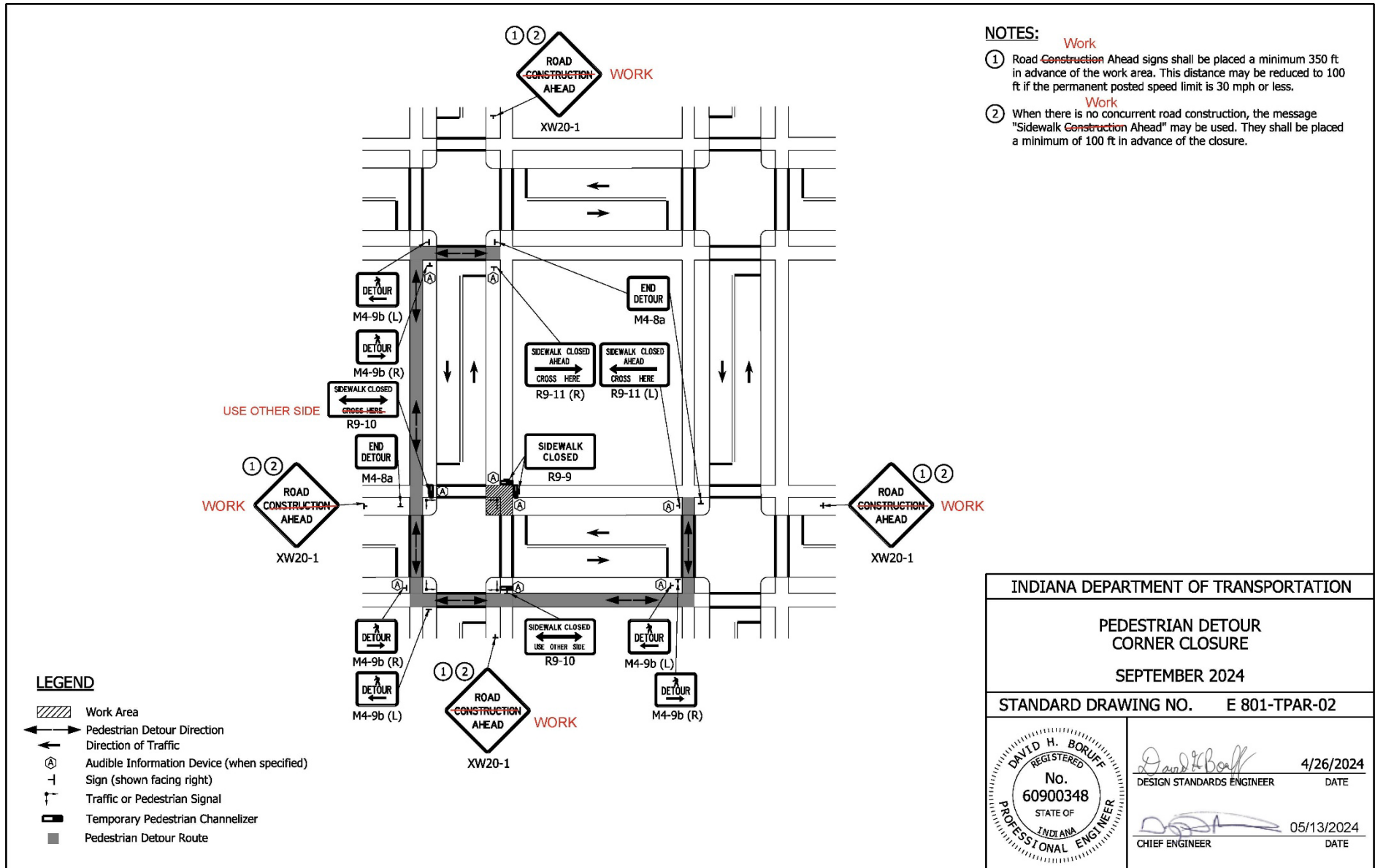
STANDARD DRAWING NO. E 801-TPAR-01



<i>David H. Boruff</i>	4/26/2024
DESIGN STANDARDS ENGINEER	DATE
<i>[Signature]</i>	05/13/2024
CHIEF ENGINEER	DATE

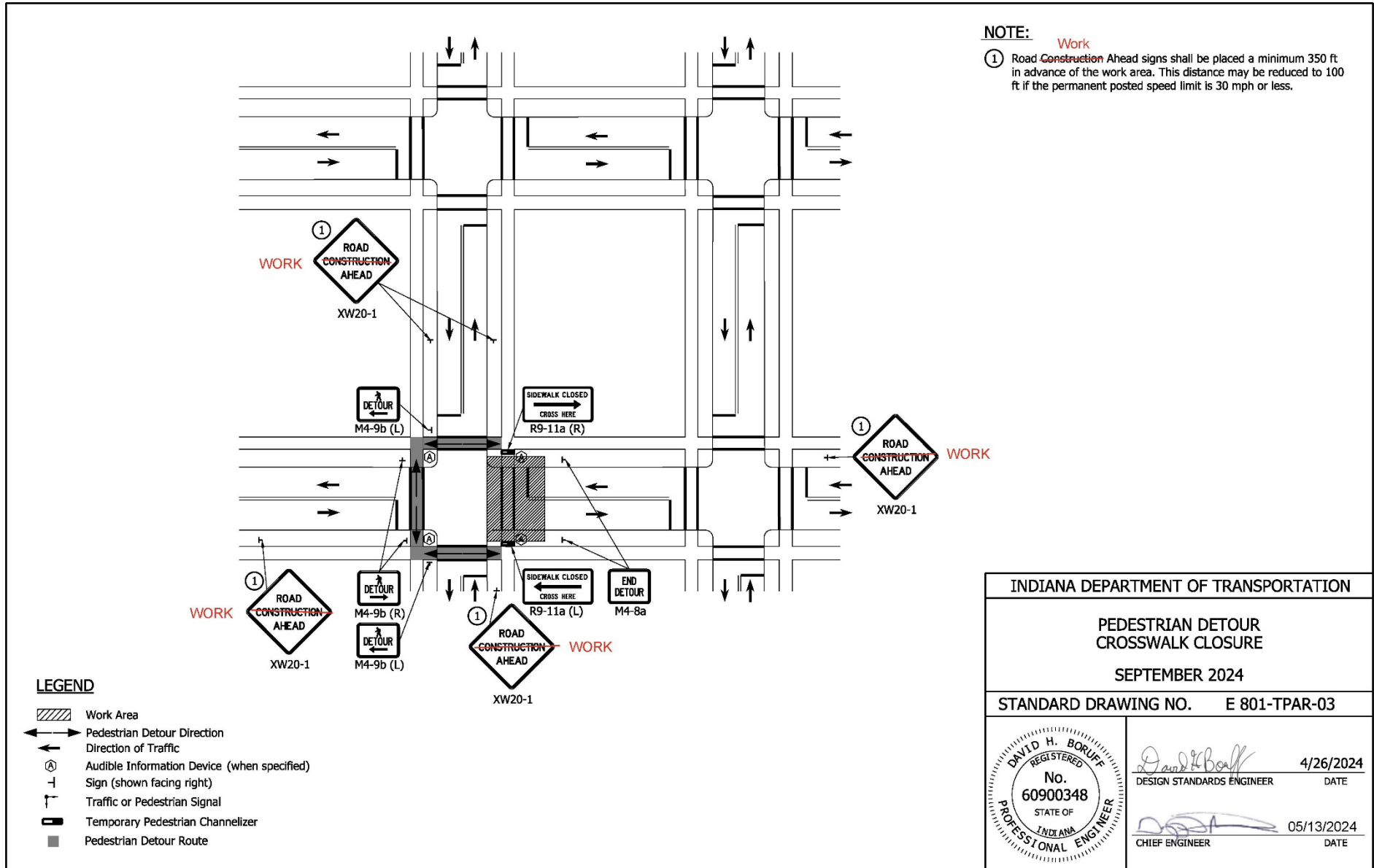
REVISION TO STANDARD DRAWINGS

E 801-TRAR-02 Pedestrian Detour Corner Closure (shown markups)



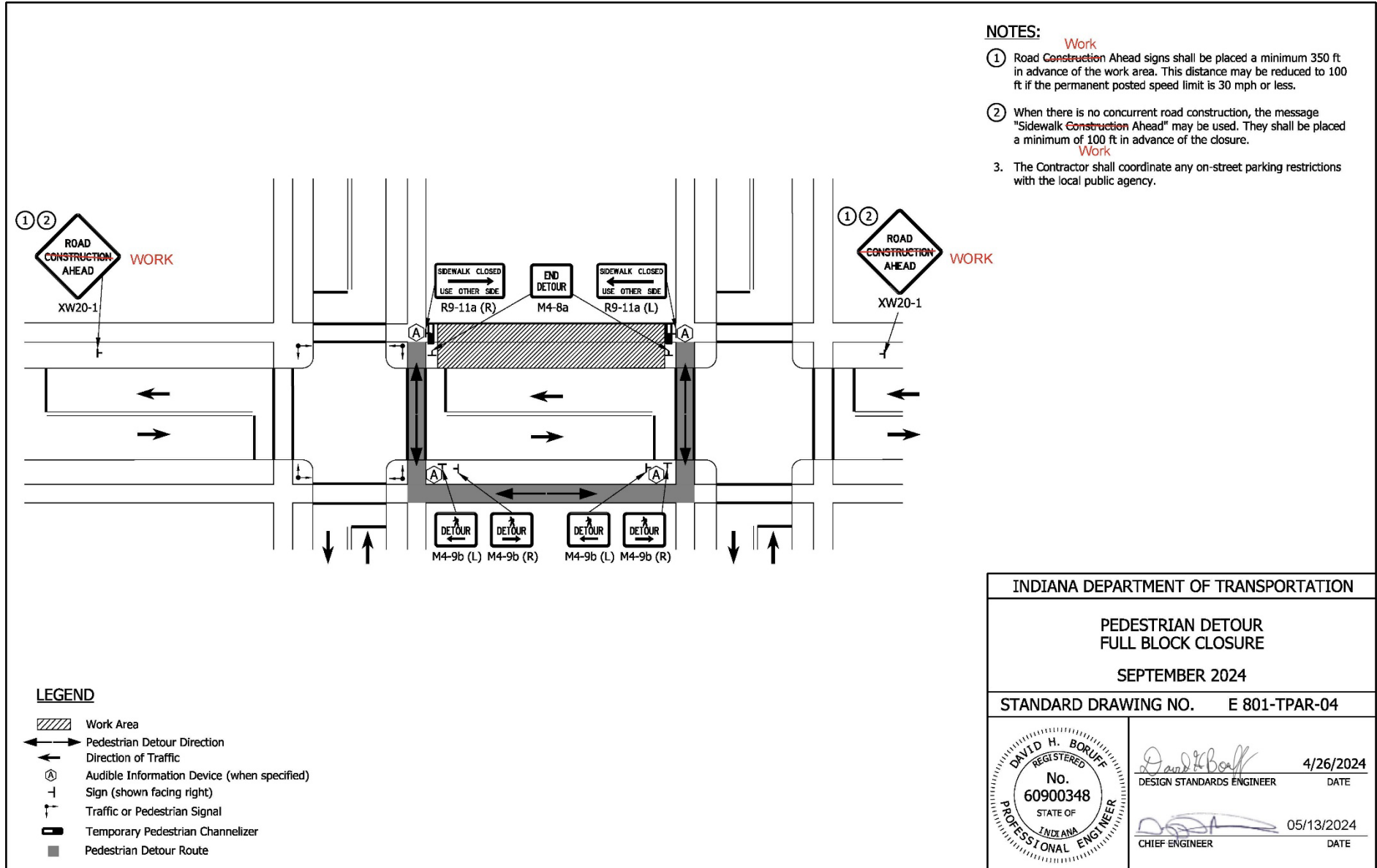
REVISION TO STANDARD DRAWINGS

E 801-TRAR-03 Pedestrian Detour Crosswalk Closure (shown markups)



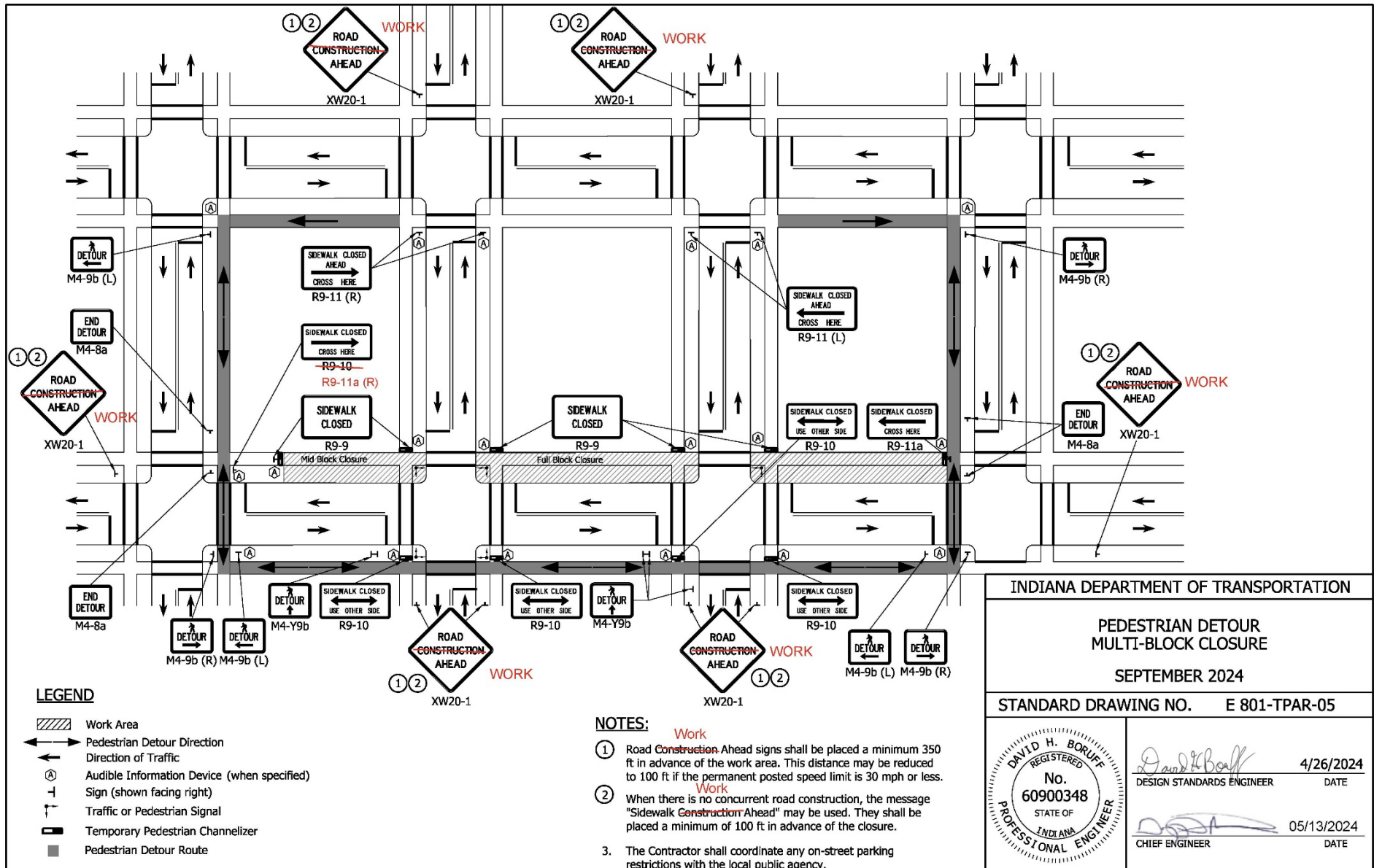
REVISION TO STANDARD DRAWINGS

E 801-TRAR-04 Pedestrian Detour Full Block Closure (shown markups)



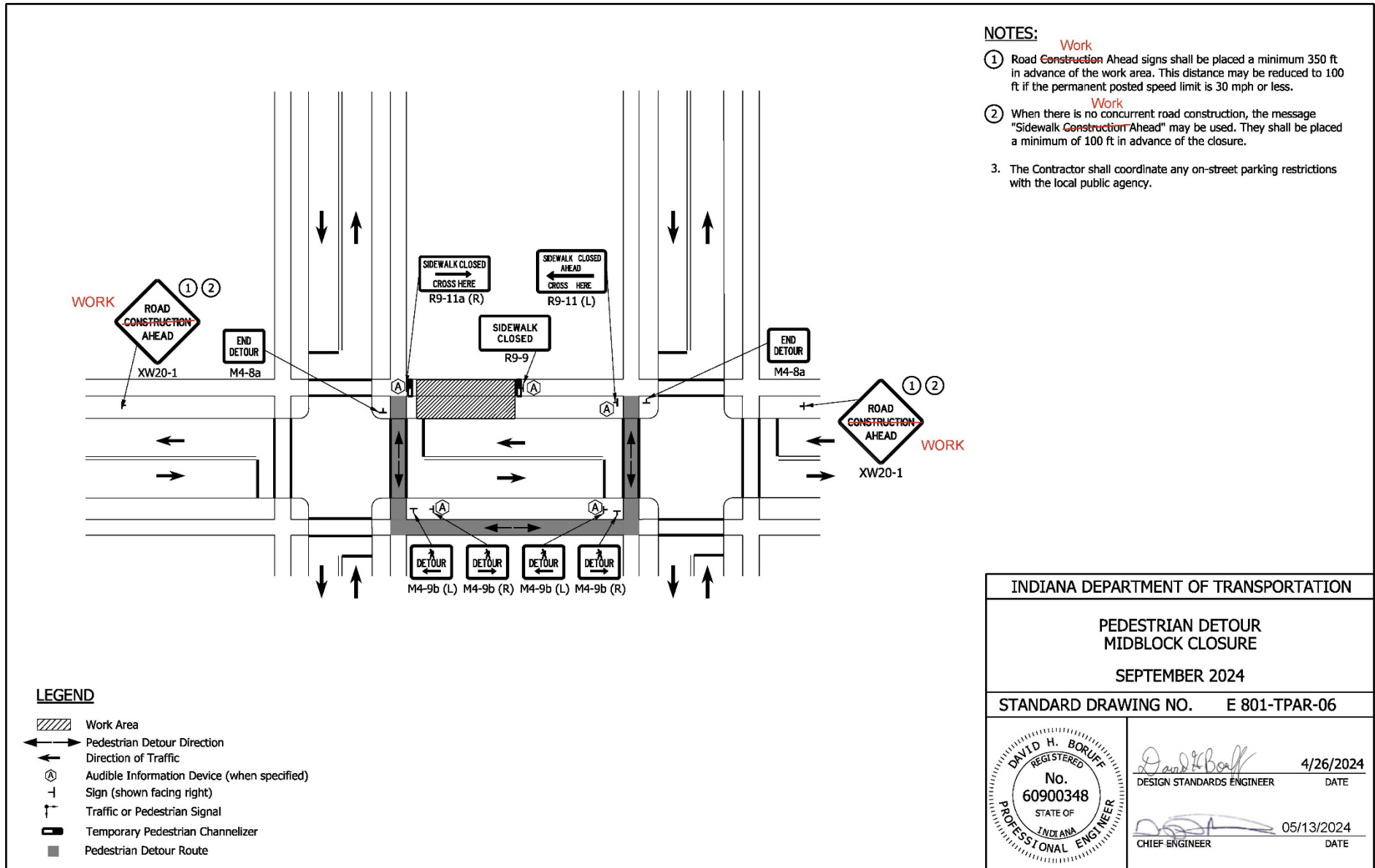
REVISION TO STANDARD DRAWINGS

E 801-TRAR-05 Pedestrian Detour Multi-Block Closure (shown markups)



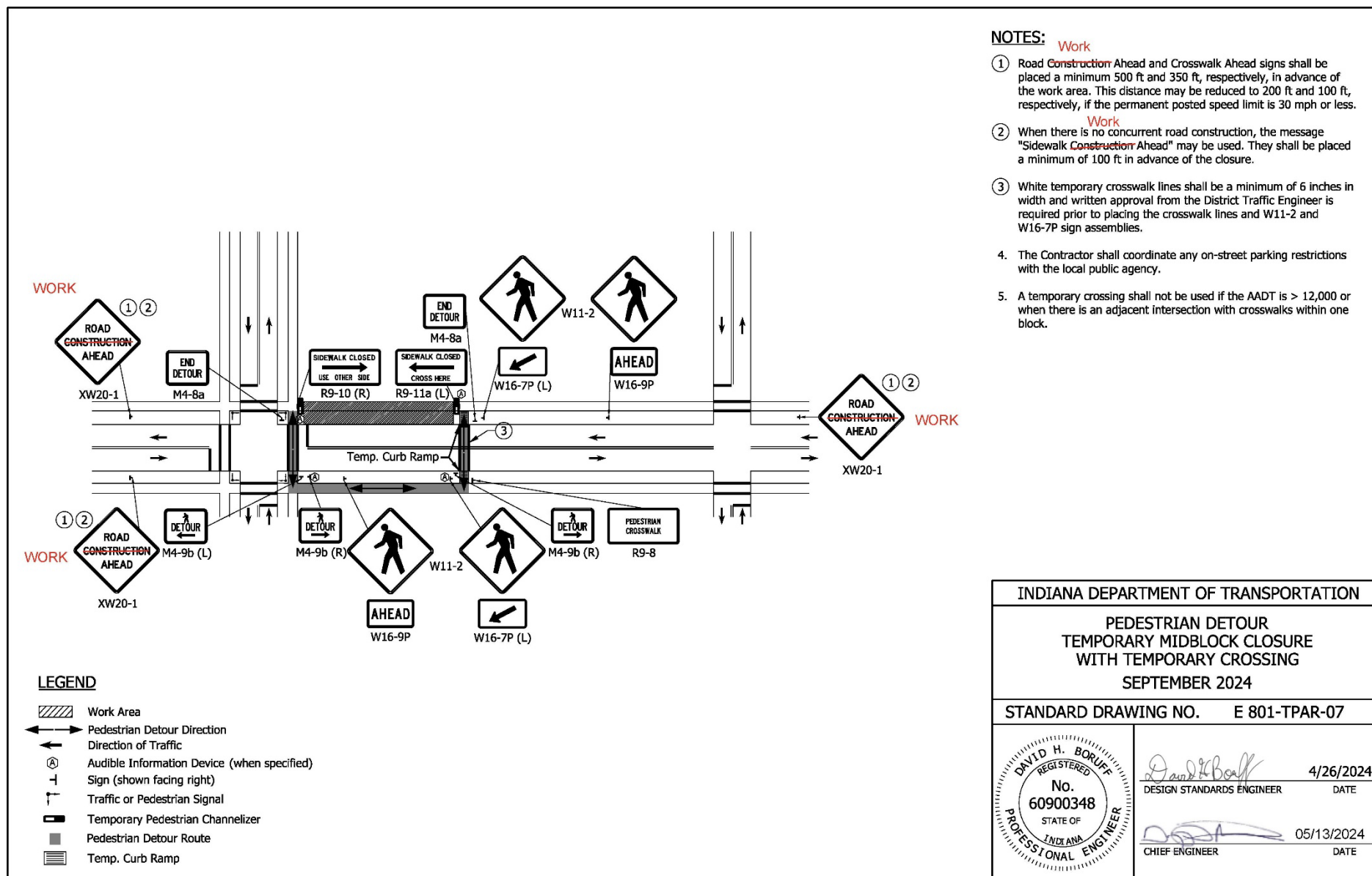
REVISION TO STANDARD DRAWINGS

E 801-TRAR-06 Pedestrian Detour Midblock Closure (shown markups)



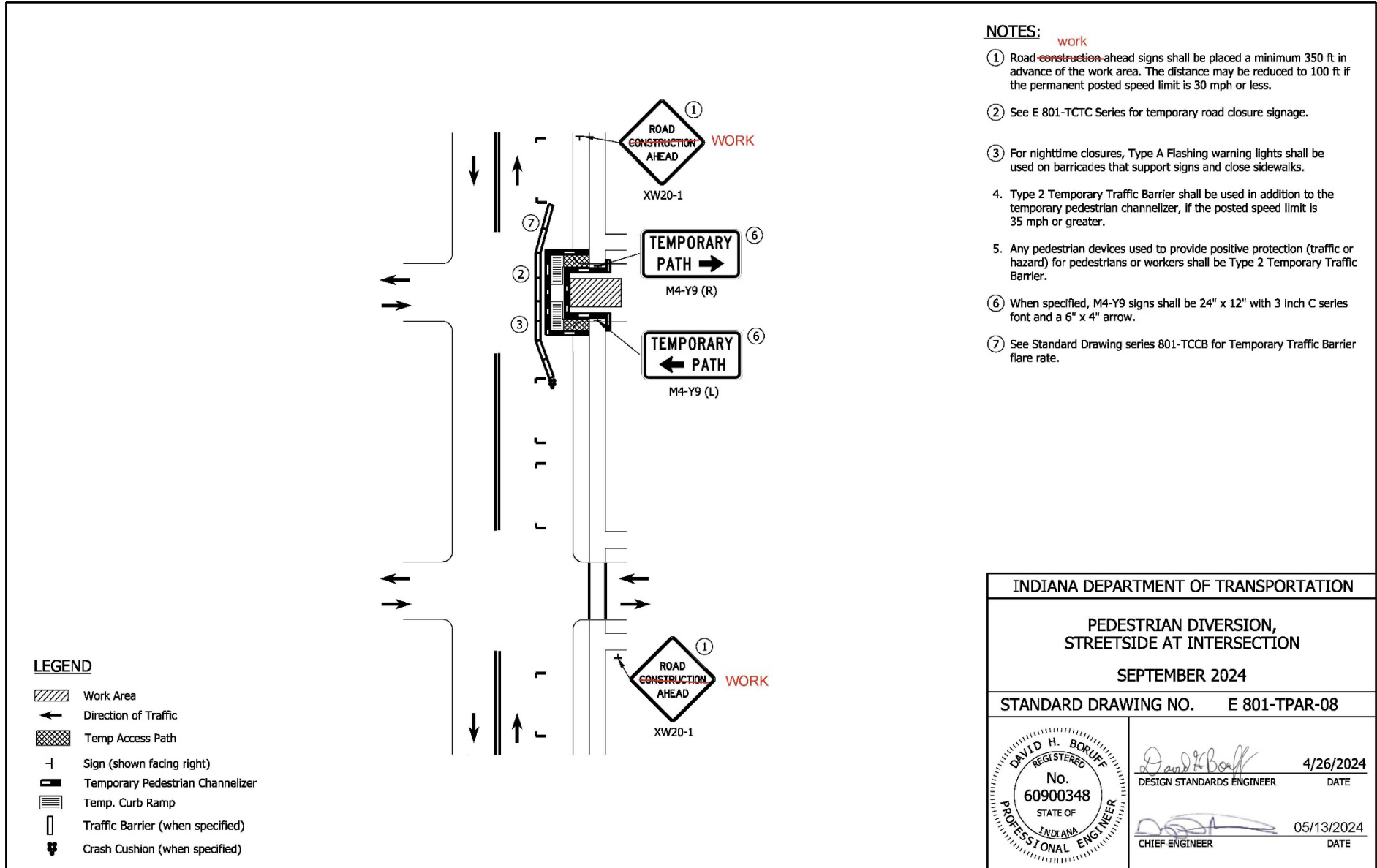
REVISION TO STANDARD DRAWINGS

E 801-TRAR-07 Pedestrian Detour Midblock Closure with Temporary Crossing (shown markups)



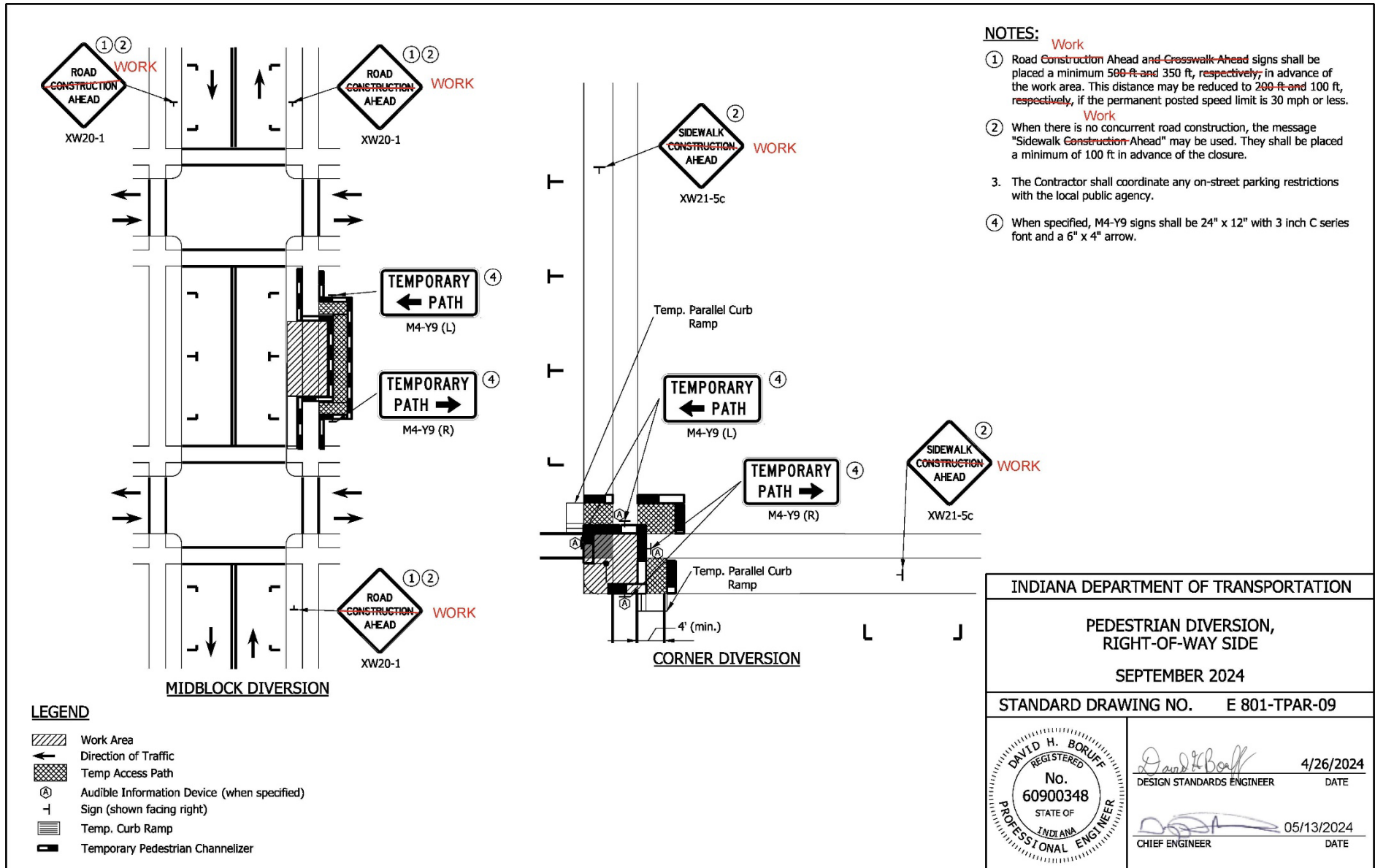
REVISION TO STANDARD DRAWINGS

E 801-TRAR-08 Pedestrian Diversion, Streetside at Intersection (shown markups)



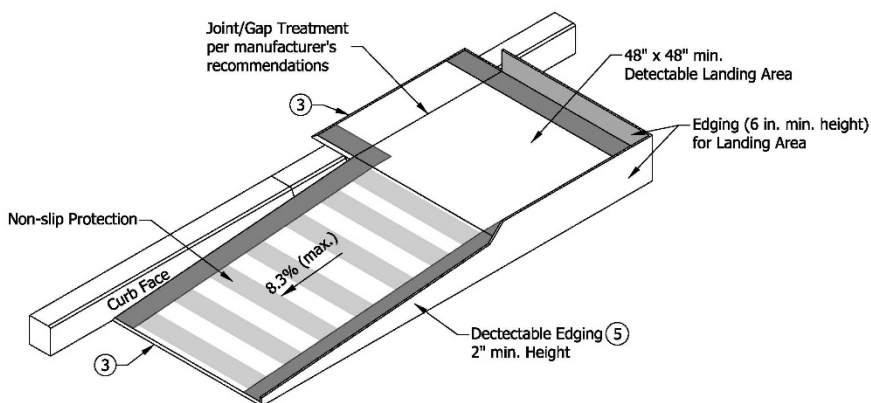
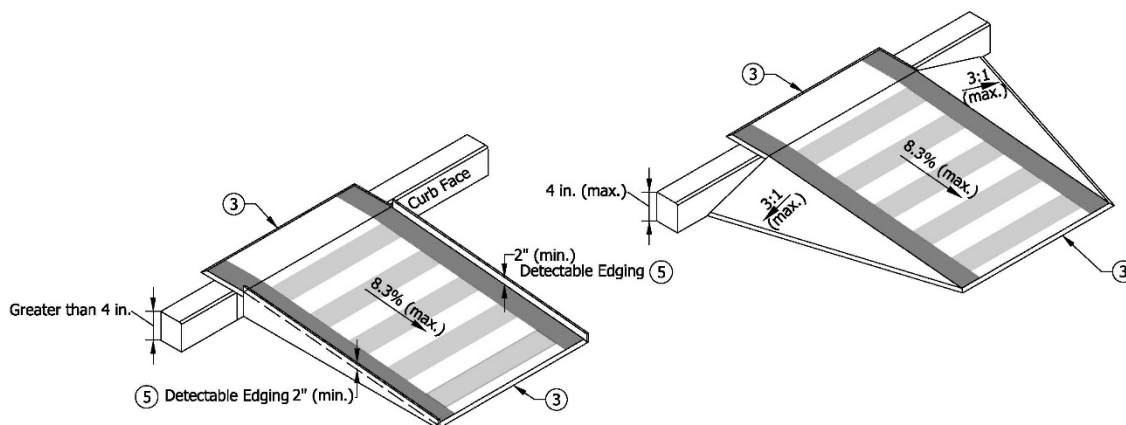
REVISION TO STANDARD DRAWINGS

E 801-TRAR-09 Pedestrian Diversion, Right-of-way Side (shown markups)



REVISION TO STANDARD DRAWINGS

E 801-TRAR-10 Temporary Curb Ramps (no changes)

Temporary Curb Ramp - Parallel to CurbTemporary Curb Ramp - Perpendicular to Curb**NOTES:**

1. Water flow in the gutter system shall be maintained.
2. Lateral joints or gaps between surfaces shall be less than 0.5 in. width.
3. Changes in level between surface heights shall not exceed 0.5 in. Lateral edges shall be vertical up to 0.25 in. high, and beveled at 2:1 between 0.25 in. and 0.5 in. in height
4. Handrail shall be provided along a landing area and ramp where the elevation difference between the sidewalk and the street is greater than 6.0 in.
5. A 2.0 in. detectable edge shall be provided along the entire length of the ramp where the elevation difference between the sidewalk and the street is greater than 4.0 in.
6. The rise of a single temporary curb ramp shall be no more than 30 in. If more than one temporary curb ramp is needed at a location due to the change in elevation, a minimum 5 ft landing area shall be used between curb ramps. The landing area shall have a slope of less than 2.0%.
7. The table below is for common curb heights, the curb ramp length for other curb heights shall be based on having a maximum slope of 12:1.

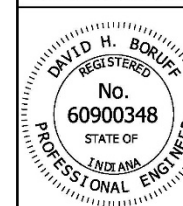
Curb Height (in.)	Minimum Temporary Curb Ramp Length (ft)
3	3
4	4
5	5
6	6

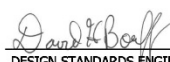
INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY
CURB RAMPS

SEPTEMBER 2024

STANDARD DRAWING NO. E 801-TPAR-10



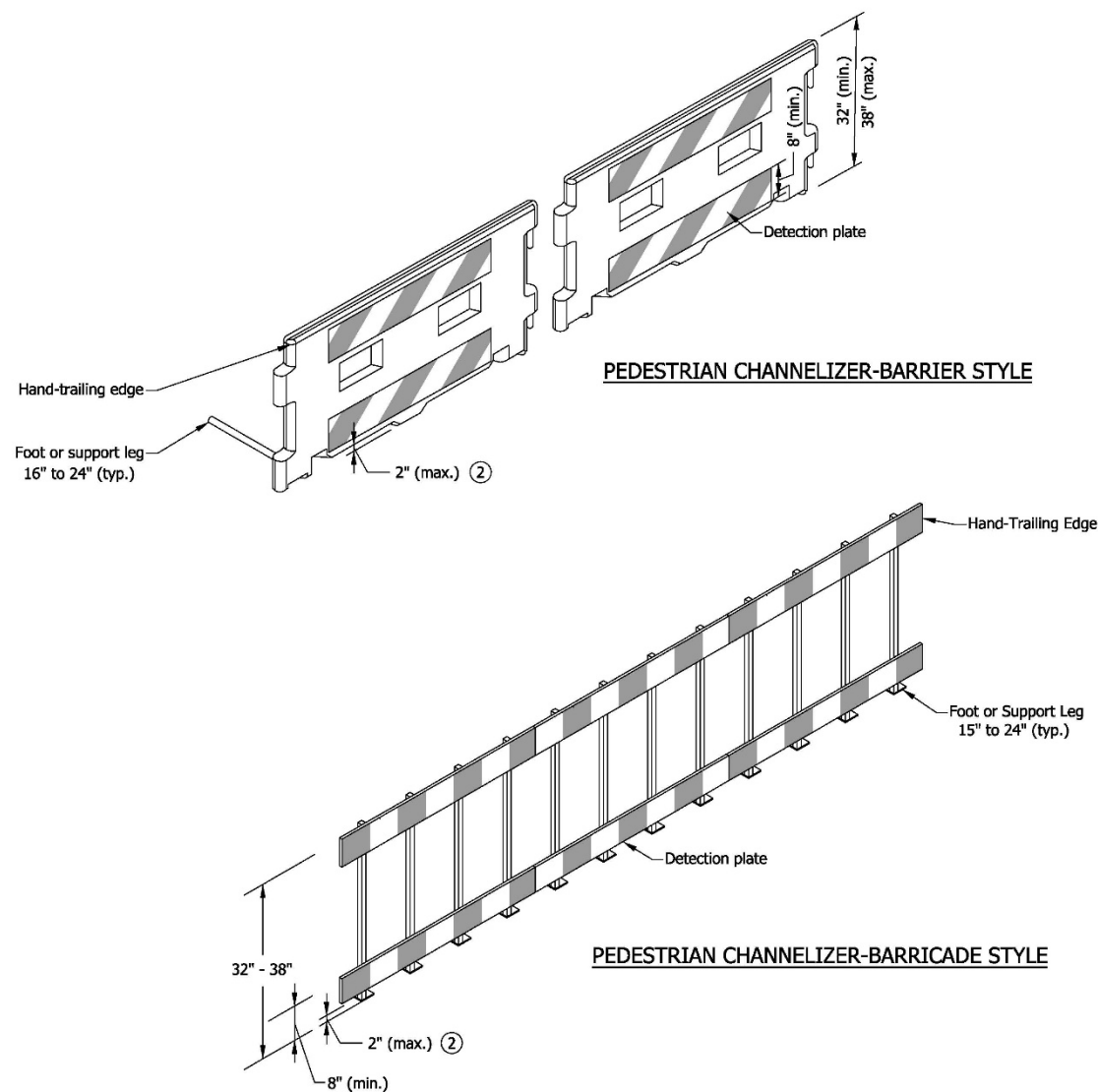
 4/26/2024
 DESIGN STANDARDS ENGINEER DATE
 05/13/2024
 CHIEF ENGINEER DATE

REVISION TO STANDARD DRAWINGS

E 801-TRAR-11 Temporary Pedestrian Channelizers (no changes)

NOTES:

1. Ballast shall be located behind or internal to the device. Any support on the front of the device shall not extend into the 48 in. minimum walkway clear space and shall have 0.25 in. max. height above the walkway surface.
- ② Devices shall not block water drainage from the walkway. A gap height or opening from the walkway surface up to 2 in. max. height is allowed for drainage purposes.
3. Type III Barricades shall not be used as pedestrian channelizers.
4. The hand-trailing edge and detection plate shall have alternating orange and white reflective sheeting oriented vertically or at a 45° angle.

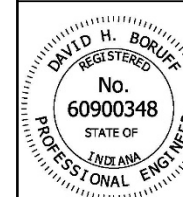


INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY PEDESTRIAN
CHANNELIZERS

SEPTEMBER 2024

STANDARD DRAWING NO. E 801-TPAR-11



<i>David H. Boruff</i>	4/26/2024
DESIGN STANDARDS ENGINEER	DATE
<i>[Signature]</i>	05/13/2024
CHIEF ENGINEER	DATE

REVISION TO STANDARD DRAWINGS

E 801-TPAR-01 Temporary Pedestrian Access Routes, Index and General Notes (proposed draft)

INDEX

SHEET NO.	SUBJECT - TEMPORARY PEDESTRIAN ACCESS ROUTES
1	Temporary Pedestrian Access Routes, Index and General Notes
2	Pedestrian Detour Corner Closure
3	Pedestrian Detour Crosswalk Closure
4	Pedestrian Detour Full Block Closure
5	Pedestrian Detour Multi-Block Closure
6	Pedestrian Detour Midblock Closure
7	Pedestrian Detour Midblock Closure with Temporary Crossing
8	Pedestrian Diversion, Streetside at Intersection
9	Pedestrian Diversion, Right-of-way Side
10	Temporary Curb Ramps
11	Temporary Pedestrian Channelizers

GENERAL NOTES:

1. Signs, railings, or other objects may protrude a maximum of 4 inches into the walkway clear area when located 27 inches minimum above the walkway surface.
2. Any construction signs placed in the sidewalk shall include supports with detectable edging in accordance with Part 6 of the MUTCD.
3. Audible information devices, when specified, shall be a minimum of 15 ft apart and may be mounted on channelizing devices, pedestrian channelizers, or on an independent support post. Audible information devices shall not reduce the width of a temporary pedestrian access route to less than 4 ft. Placement of audible information devices shall be as shown on the plans or as directed by the Engineer.
4. Pedestrian traffic signal displays controlling closed crosswalks shall be covered or deactivated.
5. Type A flashing warning lights may be omitted on pedestrian channelizers that support signs and closed sidewalks during daytime only closures.
6. Construction signs shall not reduce the available width of a temporary pedestrian access route to less than 4 ft.

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY PEDESTRIAN ACCESS ROUTES
INDEX AND GENERAL NOTES

SEPTEMBER 2026

STANDARD DRAWING NO. E 801-TPAR-01

DESIGN STANDARDS ENGINEER

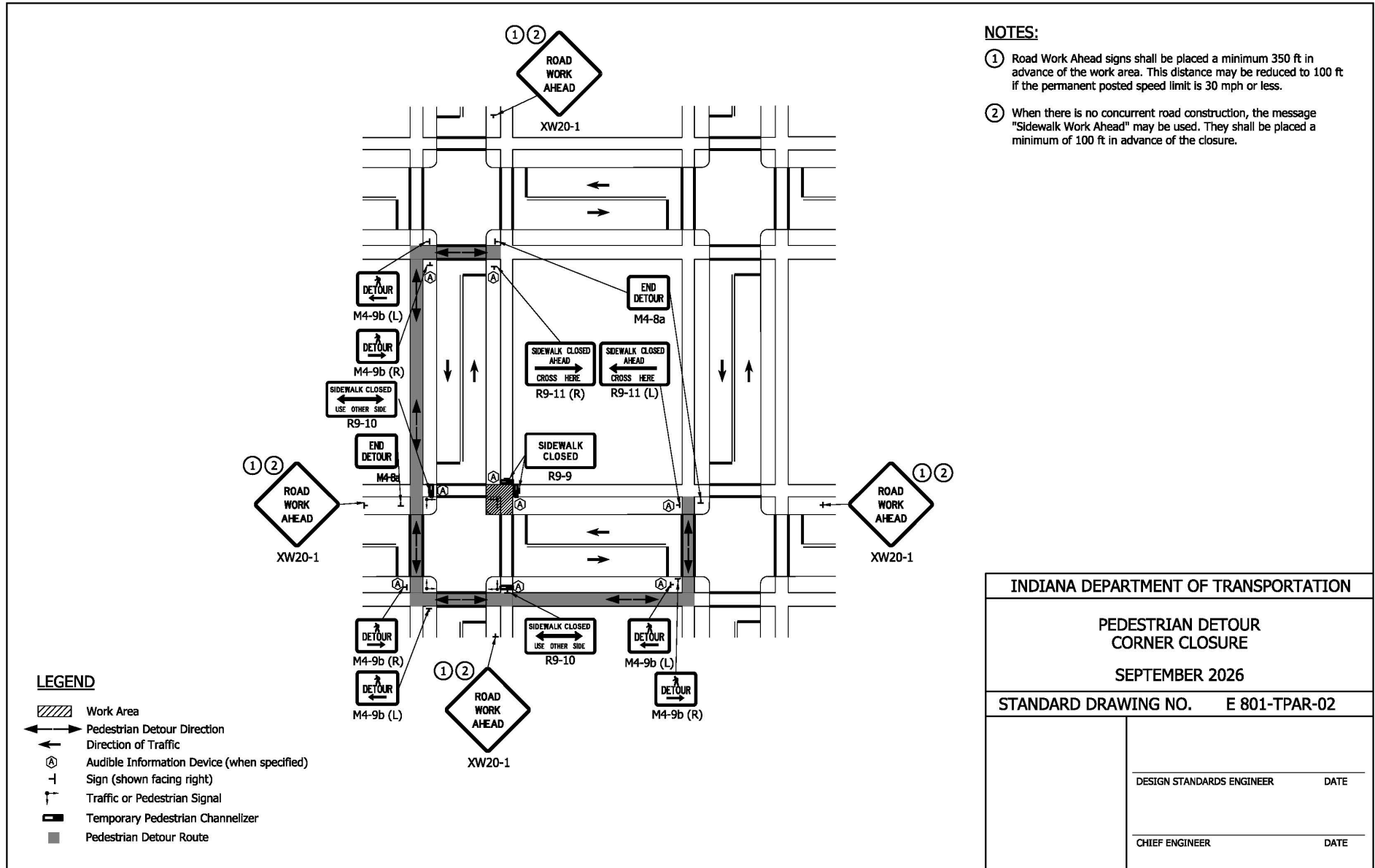
DATE

CHIEF ENGINEER

DATE

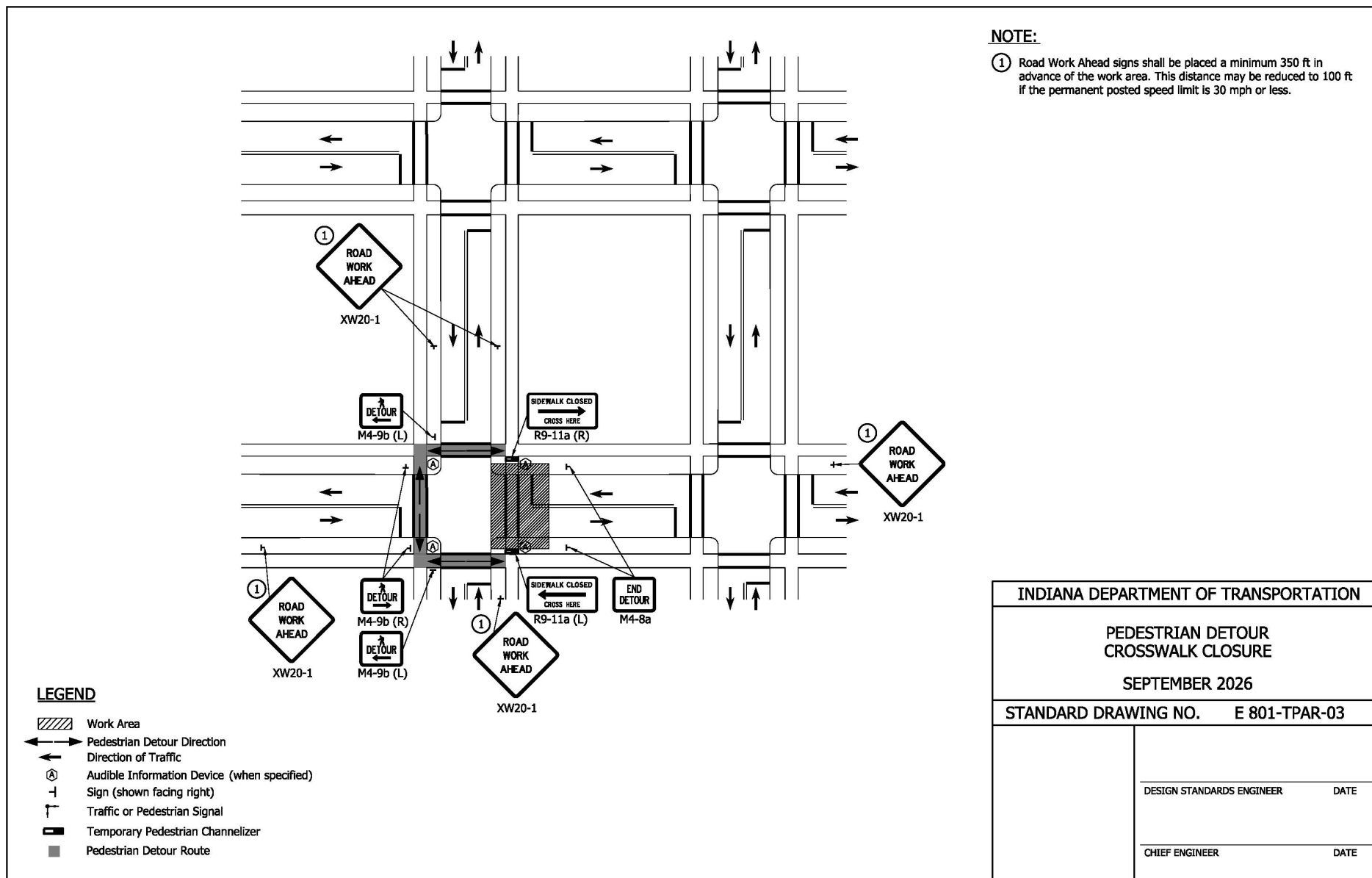
REVISION TO STANDARD DRAWINGS

E 801-TPAR-02 Pedestrian Detour Corner Closure (proposed draft)



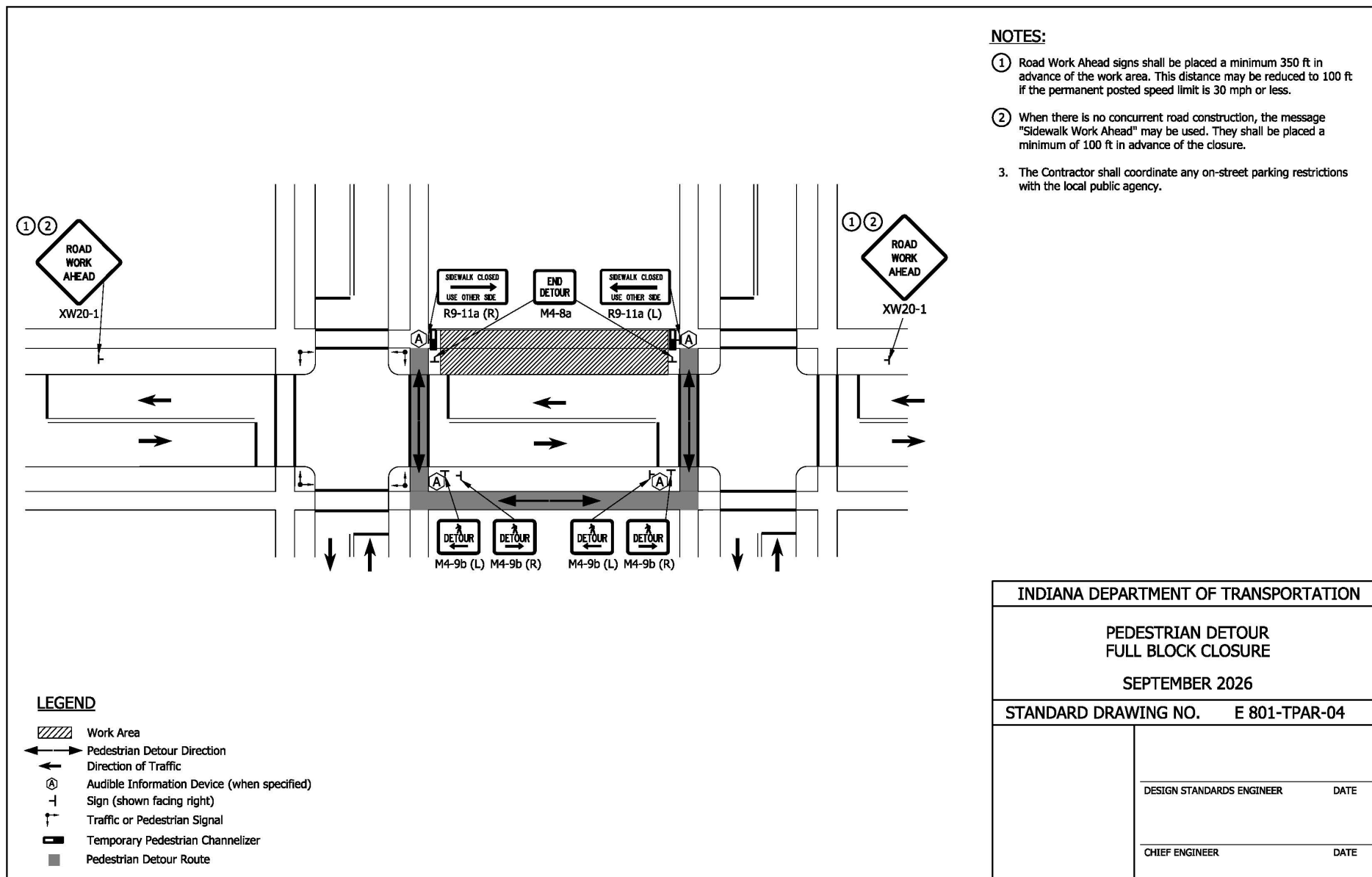
REVISION TO STANDARD DRAWINGS

E 801-TPAR-03 Pedestrian Detour Crosswalk Closure (proposed draft)



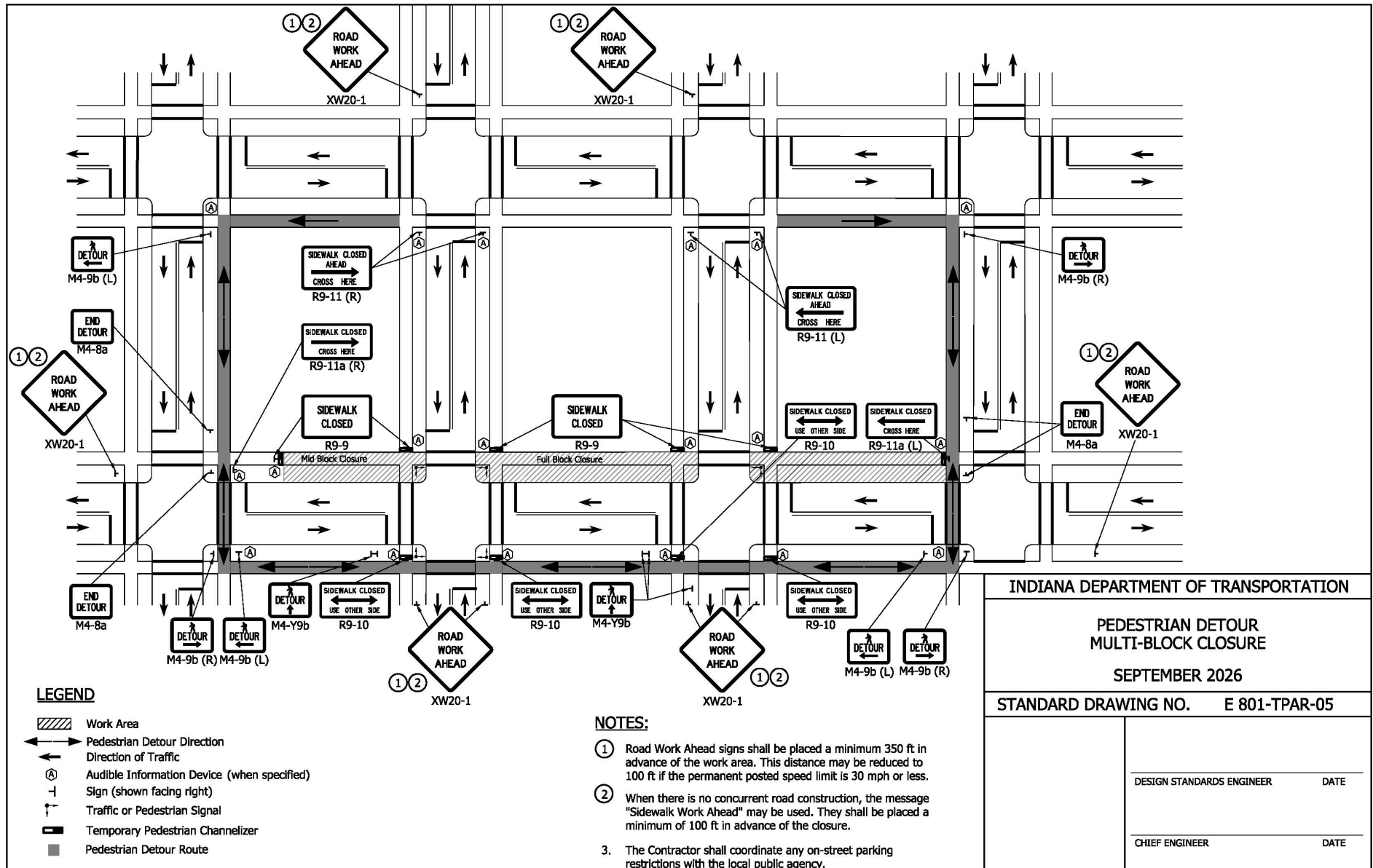
REVISION TO STANDARD DRAWINGS

E 801-TPAR-04 Pedestrian Detour Full Block Closure (proposed draft)



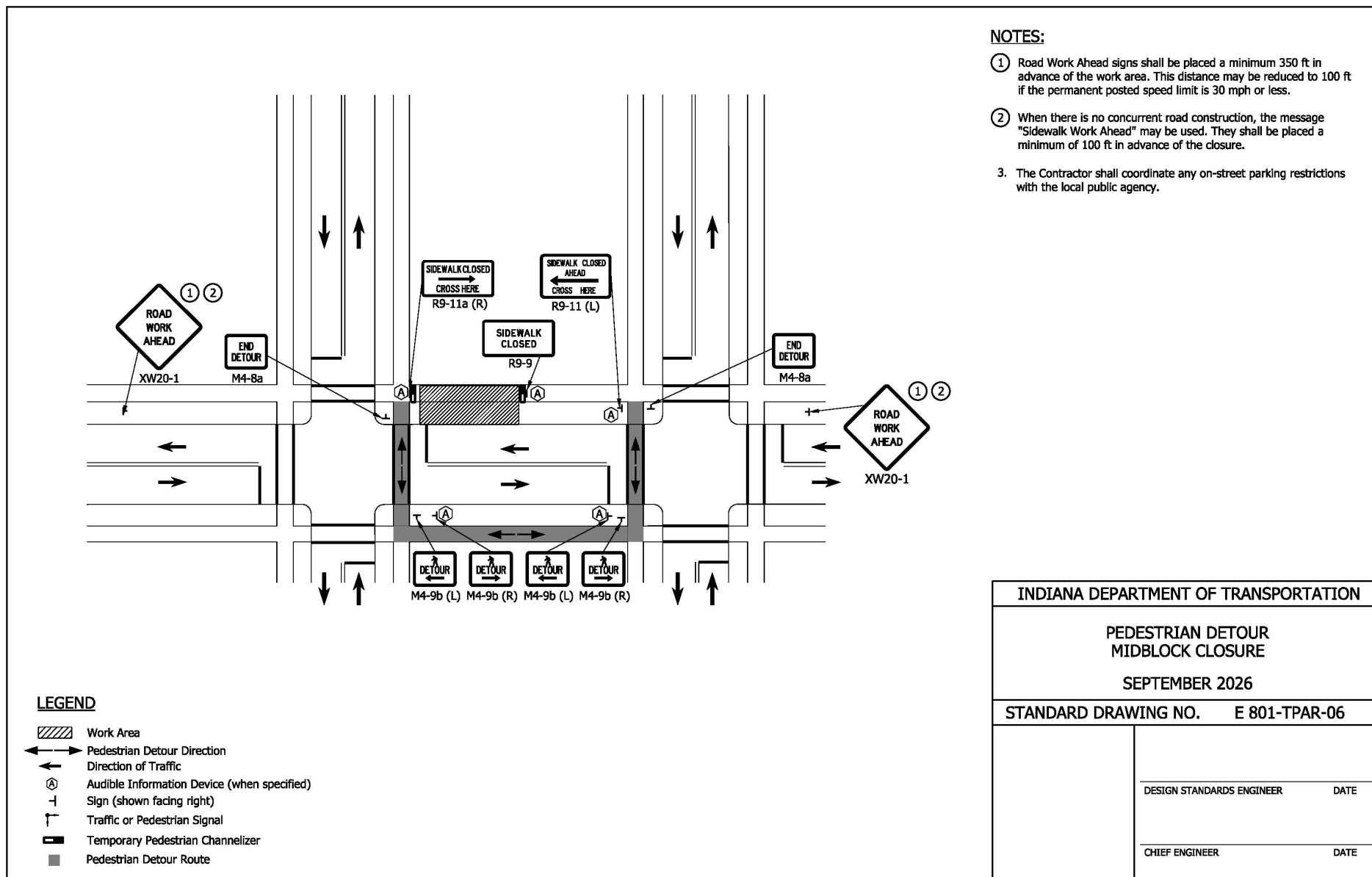
REVISION TO STANDARD DRAWINGS

E 801-TPAR-05 Pedestrian Detour Multi-Block Closure (proposed draft)



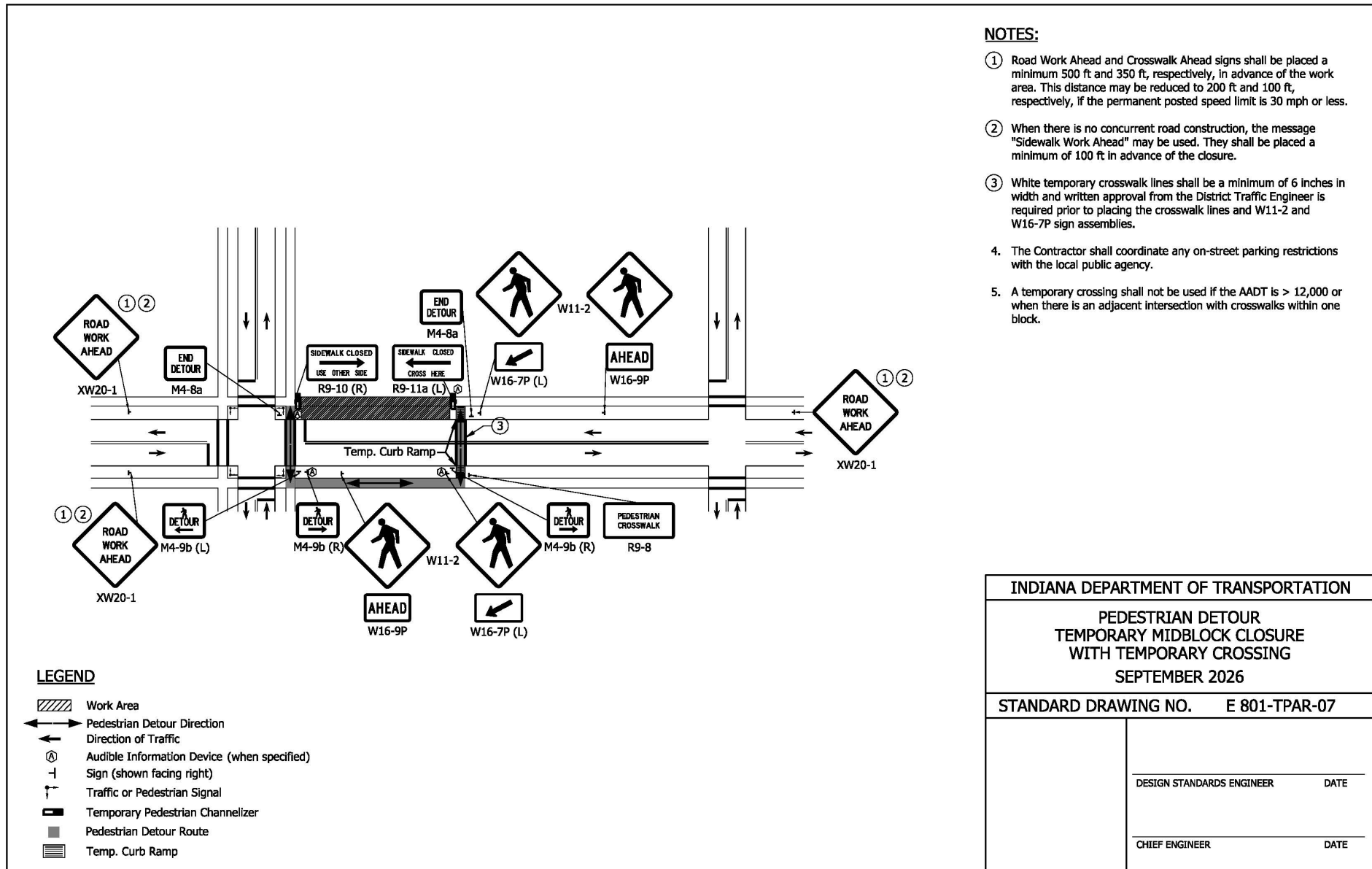
REVISION TO STANDARD DRAWINGS

E 801-TPAR-06 Pedestrian Detour Midblock Closure (proposed draft)



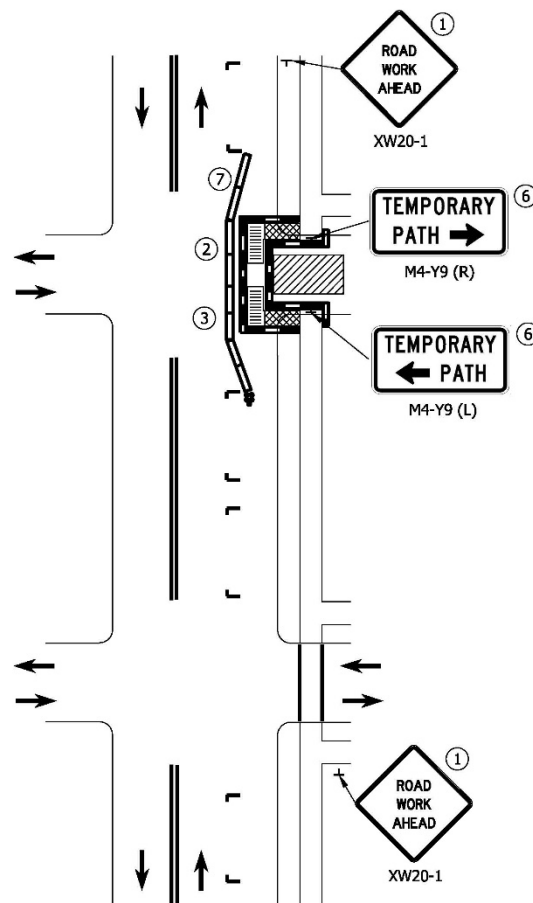
REVISION TO STANDARD DRAWINGS

E 801-TPAR-07 Pedestrian Detour Midblock Closure with Temporary Crossing (proposed draft)



REVISION TO STANDARD DRAWINGS

E 801-TPAR-08 Pedestrian Diversion, Streetside at Intersection (proposed draft)

**NOTES:**

- ① Road Work Ahead signs shall be placed a minimum 350 ft in advance of the work area. The distance may be reduced to 100 ft if the permanent posted speed limit is 30 mph or less.
- ② See E 801-TCTC Series for temporary road closure signage.
- ③ For nighttime closures, Type A Flashing warning lights shall be used on barricades that support signs and close sidewalks.
4. Type 2 Temporary Traffic Barrier shall be used in addition to the temporary pedestrian channelizer, if the posted speed limit is 35 mph or greater.
5. Any pedestrian devices used to provide positive protection (traffic or hazard) for pedestrians or workers shall be Type 2 Temporary Traffic Barrier.
- ⑥ When specified, M4-Y9 signs shall be 24" x 12" with 3 inch C series font and a 6" x 4" arrow.
- ⑦ See Standard Drawing series 801-TCCB for Temporary Traffic Barrier flare rate.

INDIANA DEPARTMENT OF TRANSPORTATION

PEDESTRIAN DIVERSION,
STREETSIDE AT INTERSECTION

SEPTEMBER 2026

STANDARD DRAWING NO. E 801-TPAR-08

DESIGN STANDARDS ENGINEER

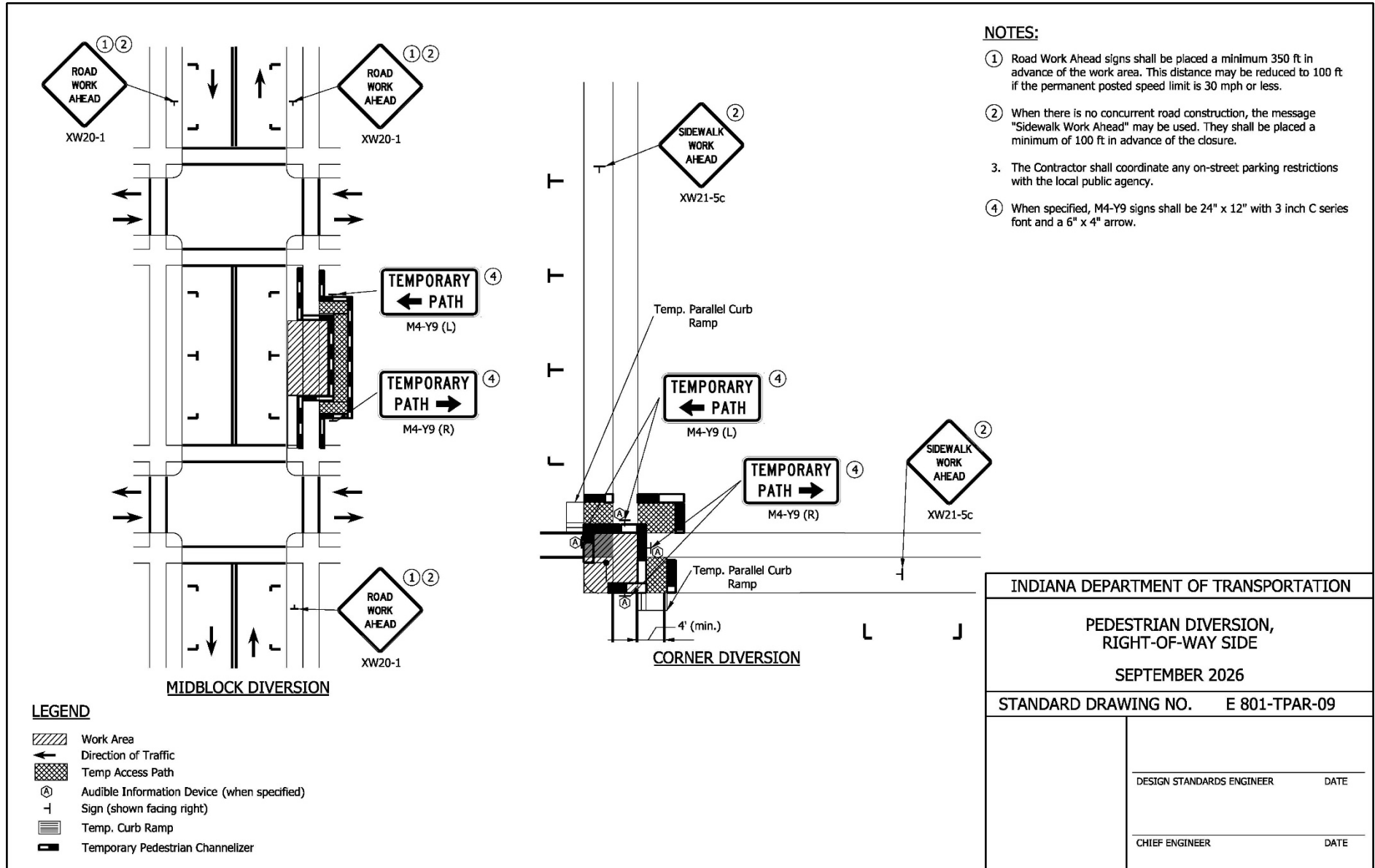
DATE

CHIEF ENGINEER

DATE

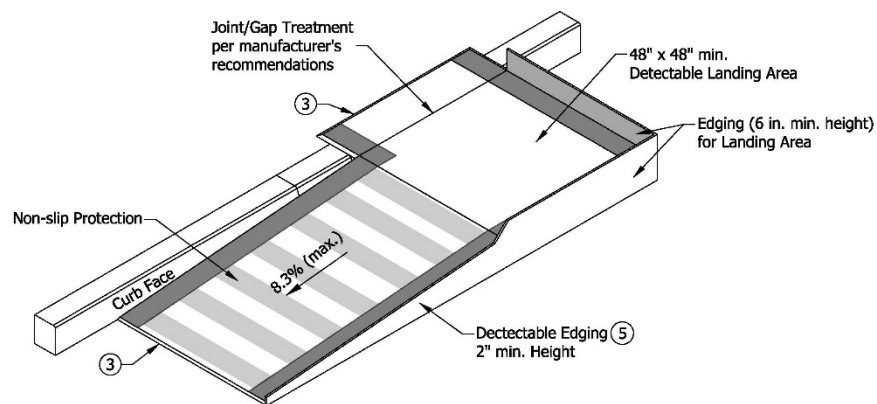
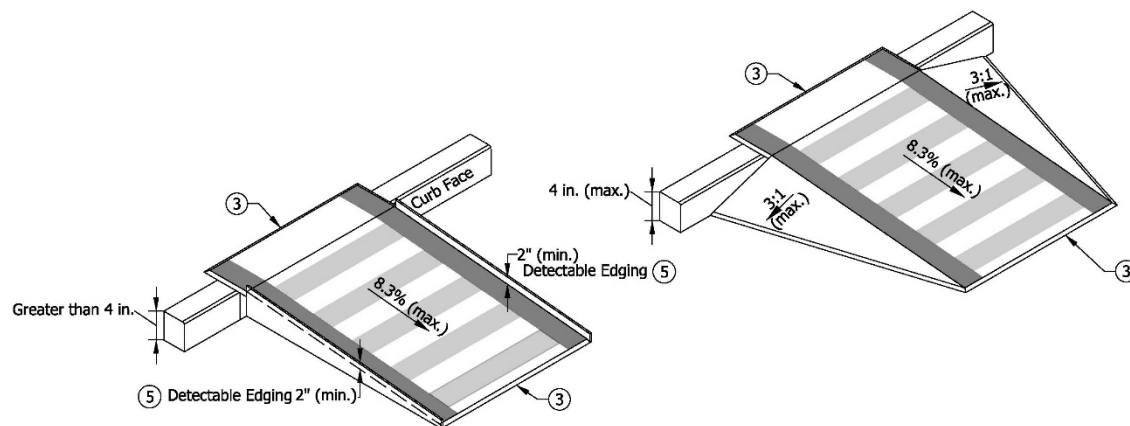
REVISION TO STANDARD DRAWINGS

E 801-TPAR-09 Pedestrian Diversion, Right-of-way Side (proposed draft)



REVISION TO STANDARD DRAWINGS

E 801-TPAR-10 Temporary Curb Ramps

Temporary Curb Ramp - Parallel to CurbTemporary Curb Ramp - Perpendicular to Curb**NOTES:**

1. Water flow in the gutter system shall be maintained.
2. Lateral joints or gaps between surfaces shall be less than 0.5 in. width.
3. Changes in level between surface heights shall not exceed 0.5 in. Lateral edges shall be vertical up to 0.25 in. high, and beveled at 2:1 between 0.25 in. and 0.5 in. in height
4. Handrail shall be provided along a landing area and ramp where the elevation difference between the sidewalk and the street is greater than 6.0 in.
5. A 2.0 in. detectable edge shall be provided along the entire length of the ramp where the elevation difference between the sidewalk and the street is greater than 4.0 in.
6. The rise of a single temporary curb ramp shall be no more than 30 in. If more than one temporary curb ramp is needed at a location due to the change in elevation, a minimum 5 ft landing area shall be used between curb ramps. The landing area shall have a slope of less than 2.0%.
7. The table below is for common curb heights, the curb ramp length for other curb heights shall be based on having a maximum slope of 12:1.

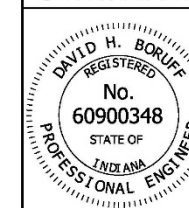
Curb Height (in.)	Minimum Temporary Curb Ramp Length (ft)
3	3
4	4
5	5
6	6

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY
CURB RAMPS

SEPTEMBER 2024

STANDARD DRAWING NO. E 801-TPAR-10



4/26/2024
DESIGN STANDARDS ENGINEER DATE

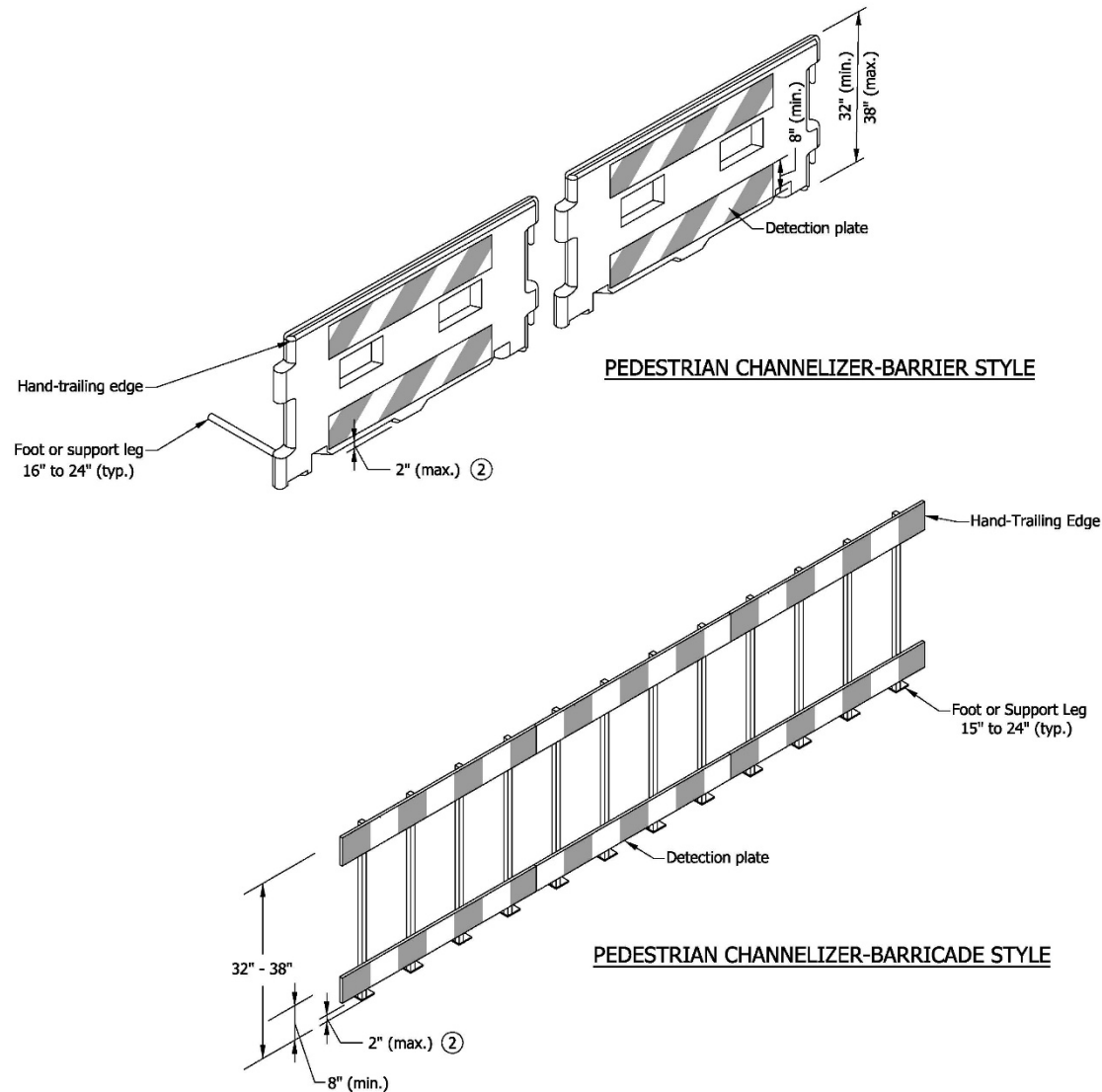
05/13/2024
CHIEF ENGINEER DATE

REVISION TO STANDARD DRAWINGS

E 801-TPAR-11 Temporary Pedestrian Channelizers

NOTES:

1. Ballast shall be located behind or internal to the device. Any support on the front of the device shall not extend into the 48 in. minimum walkway clear space and shall have 0.25 in. max. height above the walkway surface.
- ② Devices shall not block water drainage from the walkway. A gap height or opening from the walkway surface up to 2 in. max. height is allowed for drainage purposes.
3. Type III Barricades shall not be used as pedestrian channelizers.
4. The hand-trailing edge and detection plate shall have alternating orange and white reflective sheeting oriented vertically or at a 45° angle.

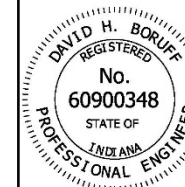


INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY PEDESTRIAN
CHANNELIZERS

SEPTEMBER 2024

STANDARD DRAWING NO. E 801-TPAR-11



David H. Boruff 4/26/2024
DESIGN STANDARDS ENGINEER DATE

[Signature] 05/13/2024
CHIEF ENGINEER DATE

COMMENTS AND ACTION

E 801-TCLC series (-01 thru -12)
 E 801-TCTC series (-01 thru -04)
 E 801-TPAR series (-01 thru -11)

DISCUSSION:

This item was introduced and presented by Mr. Bruno, sitting in as proxy for Mr. Boruff, who stated that Section 1B.02 of the 11th edition of the MUTCD requires states to update standard drawings to be in substantial conformance with the MUTCD. The 801-TCLC, 801-TCTC, 801-TPAR, need various minor updates for the current edition of the MUTCD.

Mr. Bruno proposed to update this Standard Drawing series for the current edition of MUTCD. Further detailed explanations were provided by Mr. Bruno, following questions by Mr. Doug Nagel, and Mr. Kyle Nagel.

There were no further discussion and this item passed as submitted.

The effective dates will be discussed at the next Traffic Standards Subcommittee meeting.

Motion: Mr. Bruno Second: Mr. Orton Ayes: 10 Nays: 0 FHWA Approval: YES	<u>Action:</u> ☒ Passed as Submitted ☐ Passed as Revised ☐ Withdrawn
2026 Standard Specifications Sections: 801, pp 879 - 907 Recurring Special Provisions or Plan Details: NONE Standard Drawing affected: 801-TCLC, 801-TCTC, and 801-TPAR Design Manual Chapter: 503 GIFE Section: NONE	2028 Standard Specifications ☐ Revise Pay Items List ☐ Notification to Designers if change is <u>not</u> addressed by RSP ☐ Create RSP (No. __) Effective: ☐ Revise RSP (No. __) Effective: ☒ Standard Drawings 801-TCLC, 801-TCTC, and 801-TPAR Effective: September 1, 2026 ☐ Create RPD (No. __) Effective: ☐ GIFE Update ☐ Frequency Manual Update ☐ AWP Update

PROPOSAL TO STANDARDS COMMITTEE

PROBLEM(S) ENCOUNTERED: Section 1B.02 of the 11th edition of the MUTCD requires states to update standard drawings to be in substantial conformance with the MUTCD. The 802-SNDH, 802-SNPL, and 802-SNGS Standard Drawing series need various minor updates for the current edition of the MUTCD.

PROPOSED SOLUTION: Update these Standard Drawing series for the current edition of the MUTCD.

APPLICABLE STANDARD SPECIFICATIONS: N/A

APPLICABLE STANDARD DRAWING: 802-SNDH, 802-SNPL, and 802-SNGS

APPLICABLE DESIGN MANUAL CHAPTER: 502

APPLICABLE SECTION OF GIFE: N/A

APPLICABLE RECURRING SPECIAL PROVISION OR PLAN DETAILS: N/A

PAY ITEMS AFFECTED: N/A

APPLICABLE SUB-COMMITTEE ENDORSEMENT: Reviewed by IMUTCD Steering Committee

IF APPROVED AS RECURRING SPECIAL PROVISION OR PLAN DETAILS, PROPOSED BASIS FOR USE:
Required for contracts with any 802 pay items.

IMPACT ANALYSIS (attach report): Yes

Submitted By: Joe Bruno on behalf of Dave Boruff

Title: Sr. Traffic Engineer

Division: Traffic Engineering Division

E-mail: jbruno@indot.in.gov

Date: 3/20/2026

IMPACT ANALYSIS REPORT CHECKLIST

Explain the business case as to why this item should be presented to the Standards Committee for approval. Answer the following questions with Yes, No or N/A.

Does this item appear in any other specification sections? No

Will approval of this item affect the Qualified Products List (QPL)? No

Will this proposal improve:

Construction costs? No

Construction time? No

Customer satisfaction? Yes

Congestion/travel time? Yes

Ride quality? No

Will this proposal reduce operational costs or maintenance effort? No

Will this item improve safety:

For motorists? Yes

For construction workers? No

Will this proposal improve quality for:

Construction procedures/processes? Yes

Asset preservation? No

Design process? Yes

Will this change provide the contractor more flexibility? No

Will this proposal provide clarification for the Contractor and field personnel? Yes

Can this item improve/reduce the number of potential change orders? Yes

Is this proposal needed for compliance with:

Federal or State regulations? Yes

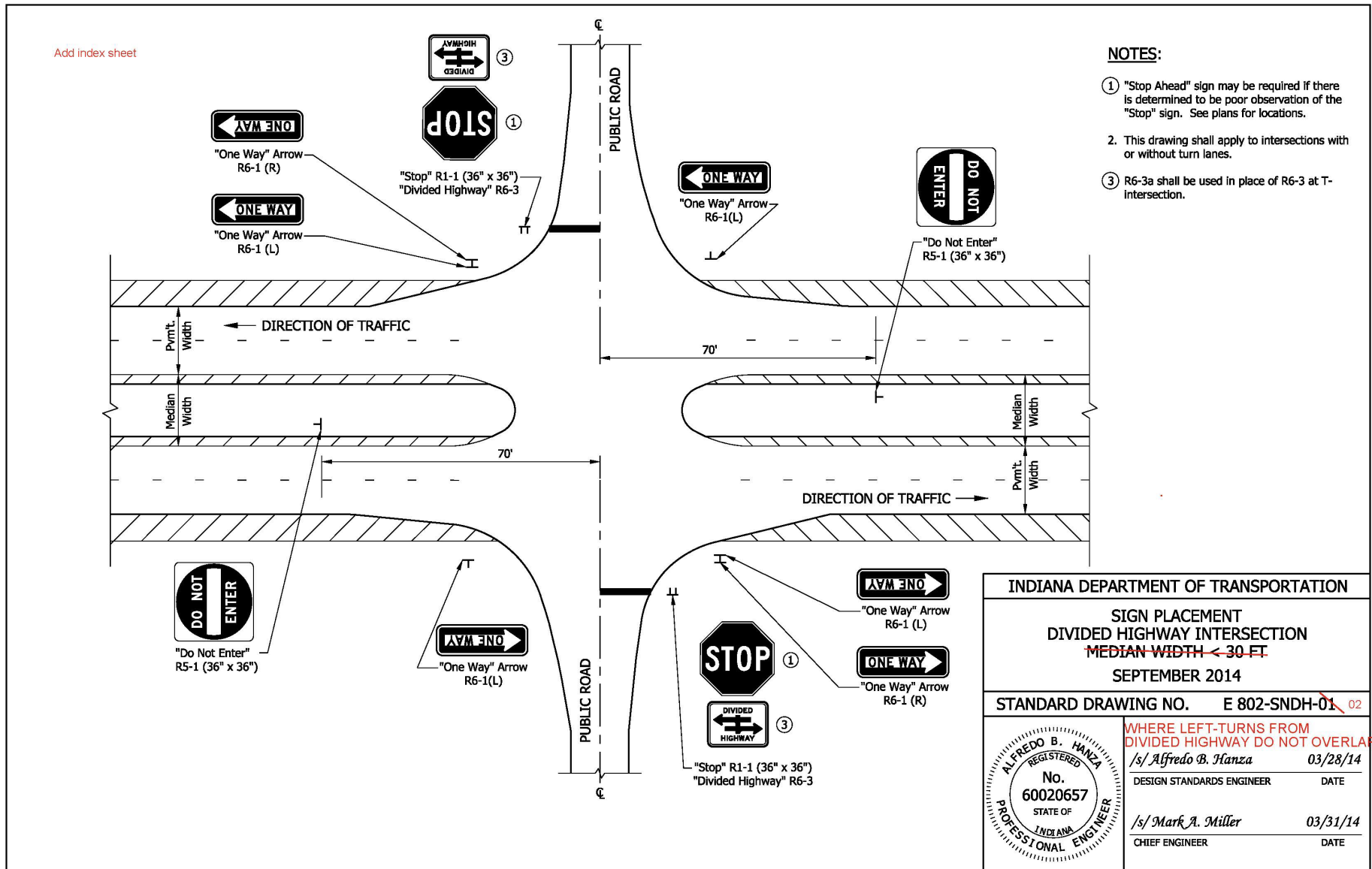
AASHTO or other design code? No

Is this item editorial? No

Provide any further information as to why this proposal should be placed on the Standards Committee meeting Agenda: N/A

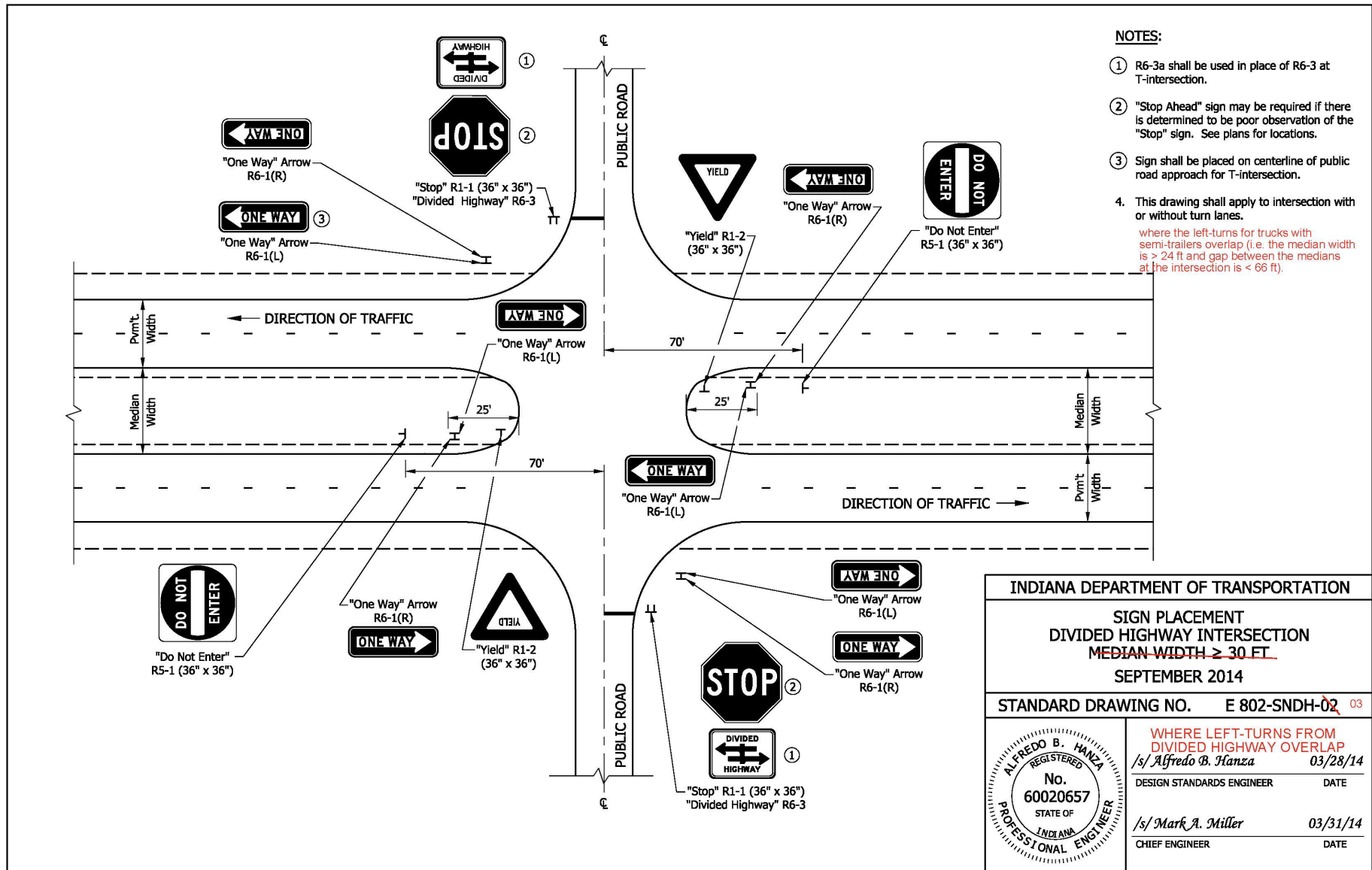
REVISION TO STANDARD DRAWINGS

E 802-SNDH-01 Sign Placement Divided Highway Intersection (shown markups)



REVISION TO STANDARD DRAWINGS

E 802-SNDH-02 Sign Placement Divided Highway Intersection (shown markups)



REVISION TO STANDARD DRAWINGS

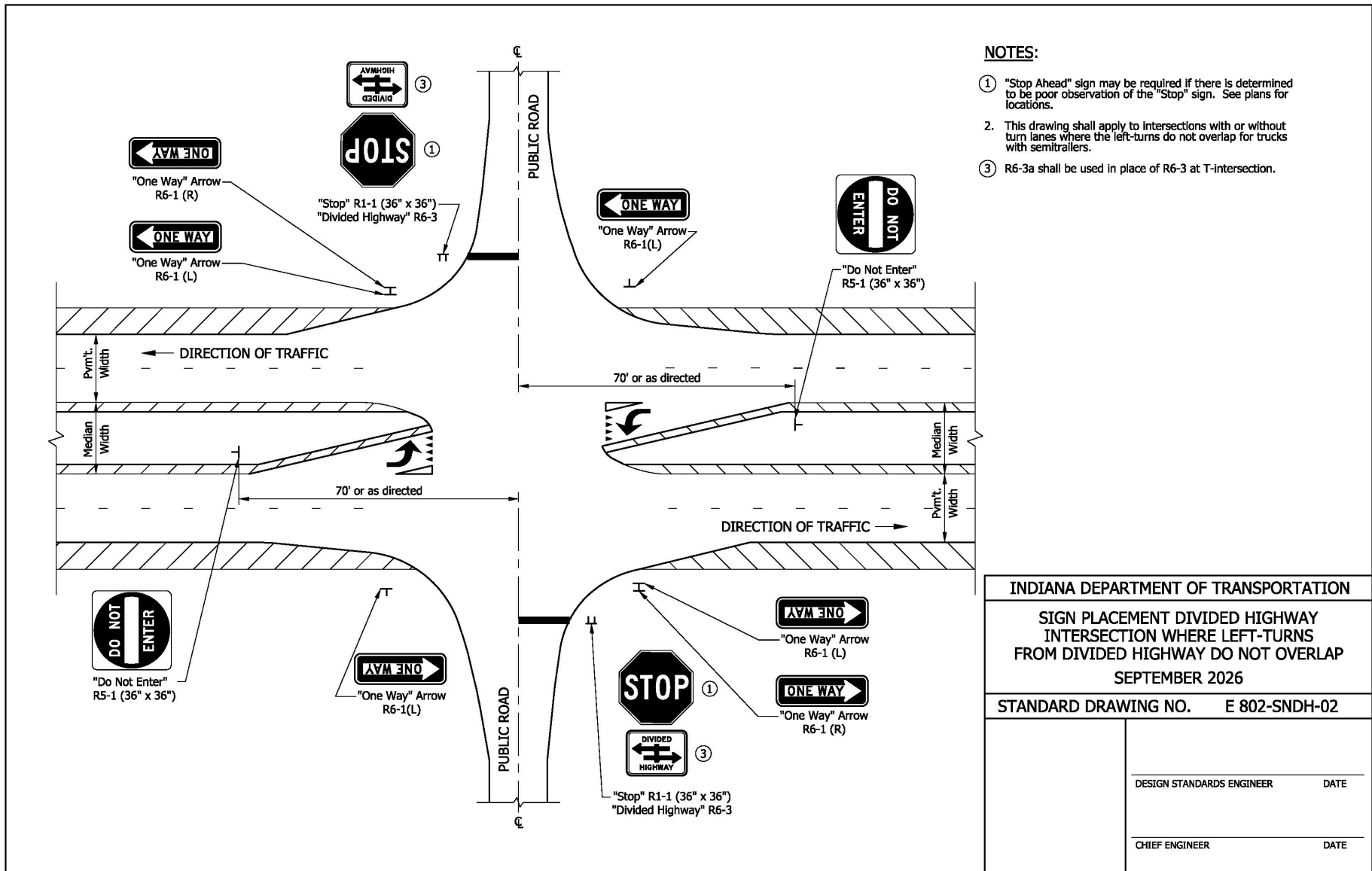
E 802-SNDH-01 Sign Placement Divided Highway Intersection Index Sheet (proposed draft)

INDEX	
SHEET NO.	SUBJECT
1	Sign Placement Divided Highway Intersection Index Sheet
2	Sign Placement Divided Highway Intersection Where Left-Turns Do Not Overlap
3	Sign Placement Divided Highway Intersection Where Left-Turns Overlap

INDIANA DEPARTMENT OF TRANSPORTATION	
SIGN PLACEMENT DIVIDED HIGHWAY INTERSECTION INDEX SHEET	
SEPTEMBER 2026	
STANDARD DRAWING NO. E 802-SNDH-01	
	DESIGN STANDARDS ENGINEER DATE
	CHIEF ENGINEER DATE

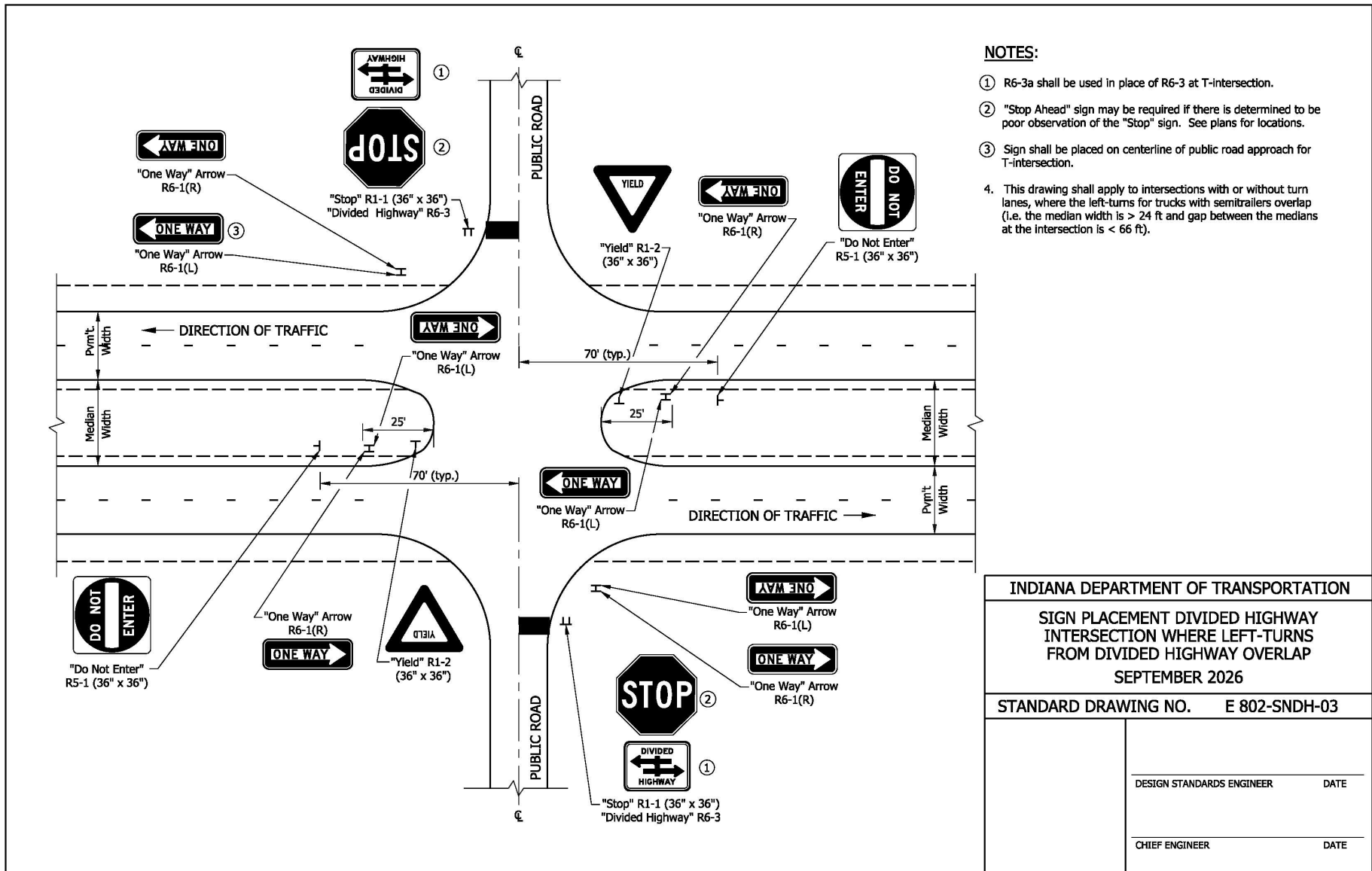
REVISION TO STANDARD DRAWINGS

E 802-SNDH-02 Sign Placement Divided Highway Intersection Where Left-Turns Do Not Overlap (proposed draft)



REVISION TO STANDARD DRAWINGS

E 802-SNDH-03 Sign Placement Divided Highway Intersection Where Left-Turns Overlap (proposed draft)



REVISION TO STANDARD DRAWINGS

E 802-SNGS-01 Signs Drawing Index and General Notes (shown markups)

INDEX	
SHEET NO.	SUBJECT
1	Signs Drawing Index and General Notes
2	Route Marker Details, Shields and Auxiliary Signs
3	Route Marker Details, Arrow and Cardinal Direction Signs
4	Sign Reflectorization Schedule
5	Sign Reflectorization Schedule
6	Miscellaneous Sign Details
7	Steel Sign Posts, Selection Table
8	Steel Sign Posts, Bracing for Signs Greater Than 90"
9	Steel Sign Posts, Anchor Base Details
10	Sign Identification Marking

GENERAL NOTES:

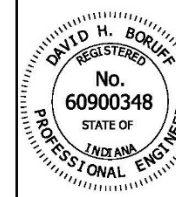
- Characters**
1. Numerals sometimes cannot be accommodated within the space available. For this situation, the standard series D numeral may be reduced to series C. As a second choice, use the next smaller height commonly available.
2. For independent use of sheet signs, a nylon and metal washer shall be placed between each bolt head and the face of the metal sign. See Sign Bolt Detail on Standard Drawing E 802-SNGS-06.
3. Fabrication details for the signs shown shall be found in the Standard Highway Signs and Markings Book. Shop drawings will be supplied on all other signs not found in the publication.
4. See Standard Drawing E 802-SNPL-02 for mounting height and lateral locations of signs.
5. Splicing of flanged channel post will not be permitted.
6. Wherever white is specified as a color, it is understood to include silver-colored reflecting coatings or elements that reflect white light.

INDIANA DEPARTMENT OF TRANSPORTATION

SIGNS
DRAWING INDEX AND GENERAL NOTES

SEPTEMBER 2017

STANDARD DRAWING NO. E 802-SNGS-01



/s/ David H. Boruff 03/16/17
DESIGN STANDARDS ENGINEER DATE

/s/ John Leckie 04/10/17
CHIEF ENGINEER DATE

REVISION TO STANDARD DRAWINGS

E 802-SNGS-02 Route Marker Details, Shields and Auxiliary Signs (shown markups)

Add P to all M2 and M4 series to reflect status as a plaque



WHITE BACKGROUND WITH BLACK BORDER AND
NUMERALS
M1-4(I)

FOR INDEPENDENT USE ONLY



WHITE BACKGROUND WITH BLACK NUMERALS
M1-4(G)
(G) INDICATES SHIELD TO BE USED ON ALL GUIDE
SIGNS AND DOES NOT REQUIRE BLACK BORDER

FOR GUIDE SIGN USE



WHITE BACKGROUND WITH BLACK
LETTERS, NUMERALS AND BORDER
M1-5

STATE ROUTE MARKER



WHITE LETTERS, NUMERALS, AND BORDER
M1-1

INTERSTATE SHIELD

M1-4(I), M1-4(G), M1-5, M1-1					
12" NUMERALS		18" NUMERALS		24" NUMERALS	
2 DIGITS	3 DIGITS	2 DIGITS	3 DIGITS	2 DIGITS	3 DIGITS
24" x 24"	30" x 24"	36" x 36"	45" x 36"	48" x 48"	60" x 48"



M2-1(S)
M2-1(I)



M4-5(I)
M4-5(S)



M4-6(S)
M4-6(I)



M4-4(S)

(I) INDICATES WHITE LEGEND ON BLUE BACKGROUND (INTERSTATE)
(S) INDICATES BLACK LEGEND ON WHITE BACKGROUND (STATE)

STATE	M2-1(S)		M4-4(S)		M4-5(S)		M4-6(S)	
INTERSTATE	M2-1(I)				M4-5(I)		M4-6(I)	
SHIELD SIZES	24" x 24"	36" x 36"	24" x 24"	36" x 36"	24" x 24"	36" x 36"	24" x 24"	36" x 36"
	30" x 24"	45" x 36"	30" x 24"	45" x 36"	30" x 24"	45" x 36"	30" x 24"	45" x 36"
CORRESPONDING SIGN SIZE	21" x 15"		24" x 12"	30" x 15"	24" x 12"	30" x 15"	24" x 12"	30" x 15"

NOTES:

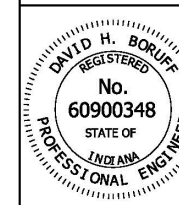
1. All series M(S) "JCT", "TO", "TRUCK", and "END" shall be white background with black legend and border.
2. All series M(I) "JCT", "TO", "TRUCK", and "END" shall be blue background with white legend and border.
3. Center align numbers about vertical centerline of shield.

INDIANA DEPARTMENT OF TRANSPORTATION

ROUTE MARKER DETAILS
SHIELDS AND AUXILLARY SIGNS

SEPTEMBER 2017

STANDARD DRAWING NO. E 802-SNGS-02



/s/ David H. Boruff 03/16/17
DESIGN STANDARDS ENGINEER DATE

/s/ John Leckie 04/10/17
CHIEF ENGINEER DATE

REVISION TO STANDARD DRAWINGS

E 802-SNGS-03 Route Marker Details, Arrow and Cardinal Direction Signs (shown markups)

Add P to all M3, M5, and M6 series to reflect status as plaque



M5-1 (R or L) (I or S)



M5-2 (R or L) (I or S)



M5-3 (R or L) (I or S)



M6-1 (R or L) (I or S)



M6-5 (R or L) (I or S)



M6-2 (R or L) (I or S)



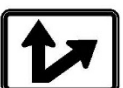
M6-3 (I or S)



M6-4 (I or S)



M6-6 (R or L) (I or S)



M6-7 (R or L) (I or S)

STATE	M5-1(S) M6-1(S) M6-3(S) M6-5(S) M6-7(S) M5-2(S) M5-3(S) M6-2(S) M6-4(S) M6-6(S)			
INTERSTATE	M5-1(I) M6-1(I) M6-3(I) M6-5(I) M6-7(I) M5-2(I) M5-3(I) M6-2(I) M6-4(I) M6-6(I)			
SHIELD SIZES	24" x 24" 30" x 24"	36" x 36" 45" x 36"		
CORRESPONDING SIGN SIZE	21" x 15"	21" x 15"	30"x 21"	

NOTES:

1. All series M(S) cardinal directions and arrows shall be white background with black legend and border.
2. All series M(I) cardinal directions and arrows shall be blue background with white legend and border.

③ Make 1st letter 10% taller.



M3-1 ③
(S or I)



M3-2 ③
(S or I)



M3-3 ③
(S or I)



M3-4 ③
(S or I)

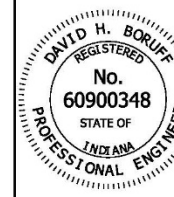
STATE	M3-1(S) M3-2(S) M3-3(S) M3-4(S)			
INTERSTATE	M3-1(I) M3-2(I) M3-3(I) M3-4(I)			
SHIELD SIZES	24" x 24"	30" x 24"	36" x 36"	45" x 36"
CORRESPONDING SIGN SIZE	24" x 12"	24" x 12"	36" x 18"	36" x 18"

INDIANA DEPARTMENT OF TRANSPORTATION

ROUTE MARKER DETAILS
ARROW AND CARDINAL DIRECTION SIGNS

SEPTEMBER 2017

STANDARD DRAWING NO. E 802-SNGS-03



/s/ David H. Boruff 03/16/17
DESIGN STANDARDS ENGINEER DATE

/s/ John Leckie 04/10/17
CHIEF ENGINEER DATE

REVISION TO STANDARD DRAWINGS

E 802-SNGS-04 Sign Reflectorization Schedule (shown markups)

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

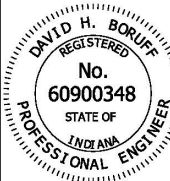
Add R1-5, R 1-6, R1-9, R3-18, R3-27, R9-13 thru R9-16, and R10-3 series to table

BACKGROUND, COPY & BORDER KEY

CODE	DESCRIPTION
0-1-H	Paint (Black) For Use With Prismatic Reflective Sheeting
S-1-H	Prismatic Reflective Sheeting (Yellow)
S-2-H	Prismatic Reflective Sheeting (Silver)
S-3-H	Prismatic Reflective Sheeting (Green)
S-4-H	Prismatic Reflective Sheeting (Blue)
S-5-H	Prismatic Reflective Sheeting (Silver with reverse screen transparent Red)
S-6-H	Prismatic Reflective Sheeting (Silver with reverse screen transparent Blue)
S-7-H	Prismatic Reflective Sheeting (Silver with reverse screen transparent Green)
S-8-H	Prismatic Reflective Sheeting (Silver with reverse screen transparent Red and Blue)
S-9-H	Prismatic Reflective Sheeting (Fluorescent Orange)
S-10-H	Prismatic Reflective Sheeting (Fluorescent Yellow)
S-11-H	Prismatic Reflective Sheeting (Fluorescent Yellow-Green)
A	Cut - Out Letters Which Are Painted Black
B	Cut - Out Letters and Border - White Prismatic Reflective Sheeting
△	Brown Background with Prismatic Reflective Sheeting

SIGN IDENTIFICATION CODES

IGDO	Interstate Guide Directional Overhead
IGD	Interstate Guide Directional
IGS	Interstate Guide Service and Rest Area
IGI	Interstate Guide Information
GDO	Guide Directional Overhead
GD	Guide Directional
R	Regulatory Sign
W	Warning, Construction and Maint. Signs
M	Route Markers and Aux. Markers for Assemblies
D	Destination Sign
I	Information

INDIANA DEPARTMENT OF TRANSPORTATION									
SIGN REFLECTORIZATION SCHEDULE									
SEPTEMBER 2017									
STANDARD DRAWING NO.	E 802-SNGS-04								
	<table> <tr> <td>/s/ David H. Boruff</td> <td>03/16/17</td> </tr> <tr> <td>DESIGN STANDARDS ENGINEER</td> <td>DATE</td> </tr> <tr> <td>/s/ John Leckie</td> <td>04/10/17</td> </tr> <tr> <td>CHIEF ENGINEER</td> <td>DATE</td> </tr> </table>	/s/ David H. Boruff	03/16/17	DESIGN STANDARDS ENGINEER	DATE	/s/ John Leckie	04/10/17	CHIEF ENGINEER	DATE
/s/ David H. Boruff	03/16/17								
DESIGN STANDARDS ENGINEER	DATE								
/s/ John Leckie	04/10/17								
CHIEF ENGINEER	DATE								

REVISION TO STANDARD DRAWINGS

E 802-SNGS-05 Sign Reflectorization Schedule (shown markups)

SIGN	REMARKS	BACKGROUND	COPY & BORDER
M2-1 (I), M3-1 (I), M3-2 (I), M3-3 (I), M3-4 (I)	Auxiliary Markers	S-6-H	S-2-H
M4-5 (I), M4-7 (I), M5-1 (I), M5-2 (I)	Auxiliary Markers	S-6-H	S-2-H
M6-1 Through M6-7	Auxiliary Markers	S-6-H	S-2-H
M4-5, M4-6, M4-6a	Auxiliary Markers	S-7-H	S-2-H
M4-8, M4-9	Detour Marker	S-9-H	O-1-H
All Other Marker Auxiliaries		S-2-H	O-1-H
D4-1	Parking	S-2-H	S-7-H
D5-5, D5-5a, D9-2, D9-6	Rest Area & Service	S-6-H	S-2-H
D7-2	Recreation Area	△	S-2-H
All Other Destination Signs		S-3-H	S-2-H
I-17, I-18, I-19		S-6-H	S-2-H
I-20, I-21		S-2-H	O-1-H
All Other I-Signs		S-7-H	S-2-H
All Construction Signs		S-9-H	O-1-H
All Maintenance Signs		S-9-H	O-1-H

Add P to M2, M3, M4, M5, M6 series to reflect status as plaque

Add D9 and D12 series signs

BACKGROUND, COPY AND BORDER KEY

CODE	DESCRIPTION
O-1-H	Paint (Black) For Use With Prismatic Reflective Sheeting
S-1-H	Prismatic Reflective Sheeting (Yellow)
S-2-H	Prismatic Reflective Sheeting (Silver)
S-3-H	Prismatic Reflective Sheeting (Green)
S-4-H	Prismatic Reflective Sheeting (Blue)
S-5-H	Prismatic Reflective Sheeting (Silver with reverse screen transparent Red)
S-6-H	Prismatic Reflective Sheeting (Silver with reverse screen transparent Blue)
S-7-H	Prismatic Reflective Sheeting (Silver with reverse screen transparent Green)
S-8-H	Prismatic Reflective Sheeting (Silver with reverse screen transparent Red and Blue)
S-9-H	Prismatic Reflective Sheeting (Fluorescent Orange)
A	Cut - Out Letters Which Are Painted Black
B	Cut - Out Letters And Border - White Prismatic Reflective Sheeting
△	Brown Background With Prismatic Reflective Sheeting

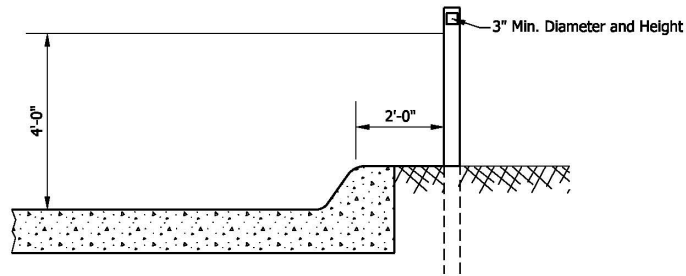
SIGN IDENTIFICATION CODES

IGDO	Interstate Guide Directional Overhead
IGD	Interstate Guide Directional
IGS	Interstate Guide Service and Rest Area
IGI	Interstate Guide Information
GDO	Guide Directional Overhead
GD	Guide Directional
R	Regulatory Sign
W	Warning, Construction and Maint. Signs
M	Route Markers and Aux. Markers for Assemblies
D	Destination Sign
I	Information

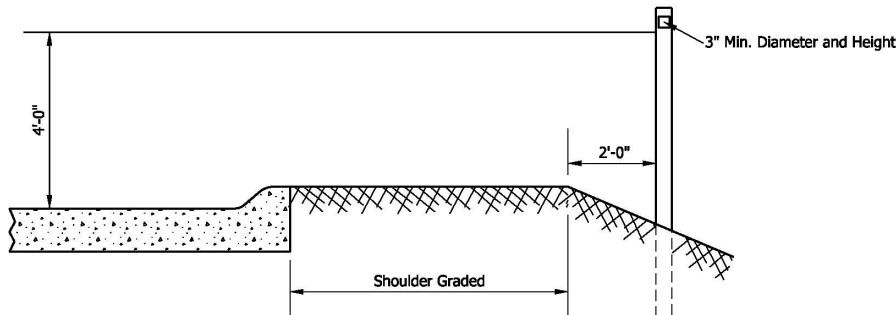
INDIANA DEPARTMENT OF TRANSPORTATION									
SIGN REFLECTORIZATION SCHEDULE									
SEPTEMBER 2017									
STANDARD DRAWING NO.	E 802-SNGS-05								
	<table> <tr> <td>/s/ David H. Boruff</td> <td>03/16/17</td> </tr> <tr> <td>DESIGN STANDARDS ENGINEER</td> <td>DATE</td> </tr> <tr> <td>/s/ John Leckie</td> <td>04/10/17</td> </tr> <tr> <td>CHIEF ENGINEER</td> <td>DATE</td> </tr> </table>	/s/ David H. Boruff	03/16/17	DESIGN STANDARDS ENGINEER	DATE	/s/ John Leckie	04/10/17	CHIEF ENGINEER	DATE
/s/ David H. Boruff	03/16/17								
DESIGN STANDARDS ENGINEER	DATE								
/s/ John Leckie	04/10/17								
CHIEF ENGINEER	DATE								

REVISION TO STANDARD DRAWINGS

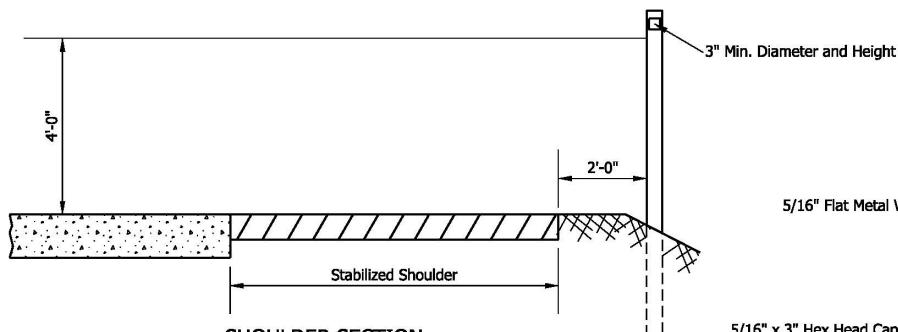
E 802-SNGS-06 Miscellaneous Sign Details (shown markups)



CURB SECTION

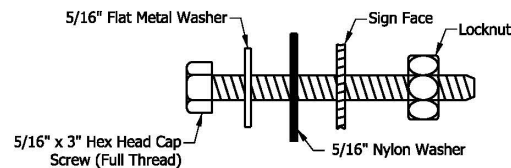


SLOPING CURB SECTION



SHOULDER SECTION

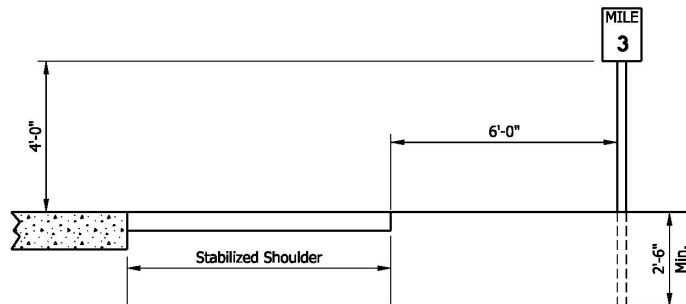
DELINEATOR DETAILS ②



SIGN BOLT DETAIL

NOTES:

- ① **Reference markers**
~~Mileposts~~ shall be installed in accordance with MUTCD.
- ② **Delineators**
~~Delineator models~~ shall be selected from the INDOT ~~Approved Materials List~~ **Qualified Products List**
3. Signs shall be fastened to the posts with bolts, metal and nylon washers and locknut. The nylon washer and the metal washer shall be placed between each bolt head and the face of the sign.
4. Nut shall be tightened sufficiently so that the sign is firmly against the post. However, there shall be no deformation of aluminum sheeting or twisting or damage to the reflective sheeting.
5. Bolt can either be stainless steel or galvanized steel bolt.



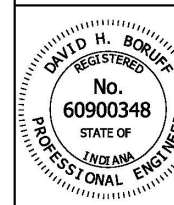
TYPICAL MILE OR REFERENCE POST ①

INDIANA DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS SIGN DETAILS

SEPTEMBER 2017

STANDARD DRAWING NO. E 802-SNGS-06



/s/ David H. Boruff 03/16/17
 DESIGN STANDARDS ENGINEER DATE

/s/ John Leckie 04/10/17
 CHIEF ENGINEER DATE

REVISION TO STANDARD DRAWINGS

E 802-SNGS-07 Steel Sign Posts, Selection Table (shown markups)

WIDTH X HEIGHT ("W X H")	MOUNTING HEIGHT							
	5 FT		6 FT		7 FT		8 FT	
	U CHANNEL	SQUARE POST	U CHANNEL	SQUARE POST	U CHANNEL	SQUARE POST	U CHANNEL	SQUARE POST
12 x 12, 12 x 6, 12 x 9	1-A	1-Type 1	1-A	1-Type 1	1-A	1-Type 1	1-A	1-Type 1
12 x 12, 12 x 18, 12 x 30	1-A		1-A		1-A		1-A	
12 x 36	1-A		1-A		1-A		1-A	
18 x 6, 18 x 12, 18 x 18	1-A		1-A		1-A		1-A	
18 x 24	1-A		1-A		1-A		1-A	
18 x 30	1-A		1-A		1-A		1-A	
18 x 48	1-A		1-A		1-A		1-A	
24 x 12, 24 x 18, 24 x 24	1-A		1-A		1-A		1-A	
24 x 30	1-A		1-A		1-A		1-A	
24 x 36	1-A		1-A		1-A		1-A	
30 x 18	1-A	2-Type 2	1-A	2-Type 2	1-A	2-Type 2	1-A	2-Type 2
30 x 24	1-A		1-A		1-A		1-A	
30 x 30	1-A		1-A		1-A		1-A	
30 x 36	1-A		1-A		1-A		1-A	
30 x 42	1-B		1-B		1-B		1-B	
30 x 48	1-B		1-B		1-B		1-B	
36 x 12	2-A		2-A		2-A		2-A	
36 x 18	2-A		2-A		2-A		2-A	
36 x 24	2-A		2-A		2-A		2-A	
36 x 36	2-A		2-A		2-A		2-A	
36 x 48	2-A	2-Type 3	2-A	2-Type 3	2-A	2-Type 3	2-A	2-Type 3
42 x 18	2-A		2-A		2-A		2-B	
42 x 24	2-A		2-A		2-A		2-A	
42 x 30	2-A		2-A		2-A		2-A	
42 x 36	2-A		2-A		2-A		2-A	
48 x 16	2-A		2-A		2-A		2-A	
48 x 18	2-A		2-A		2-A		2-A	
48 x 24	2-A		2-A		2-A		2-A	
48 x 30	2-A		2-B		2-B		2-B	
48 x 36	2-A		2-B		2-B		2-B	
48 x 48	2-A	2-Type 2	2-A	2-Type 2	2-A	2-Type 2	2-A	2-Type 2
48 x 60	2-B		2-A		2-A		2-A	
60 x 24	2-A		2-A		2-A		2-A	
60 x 30	2-A		2-A		2-A		2-A	
60 x 36	2-A		2-A		2-B		2-B	
60 x 48	2-B		2-B		2-B		2-B	
72 x 24	2-A		2-A		2-A		2-A	
72 x 36	2-B		2-B		2-B		2-B	
90 x 36	2-B	2-Type 3	2-B	2-Type 3	2-B	2-Type 3	2-B	2-Type 3
120 x 36	2-B		2-B		2-B		2-B	

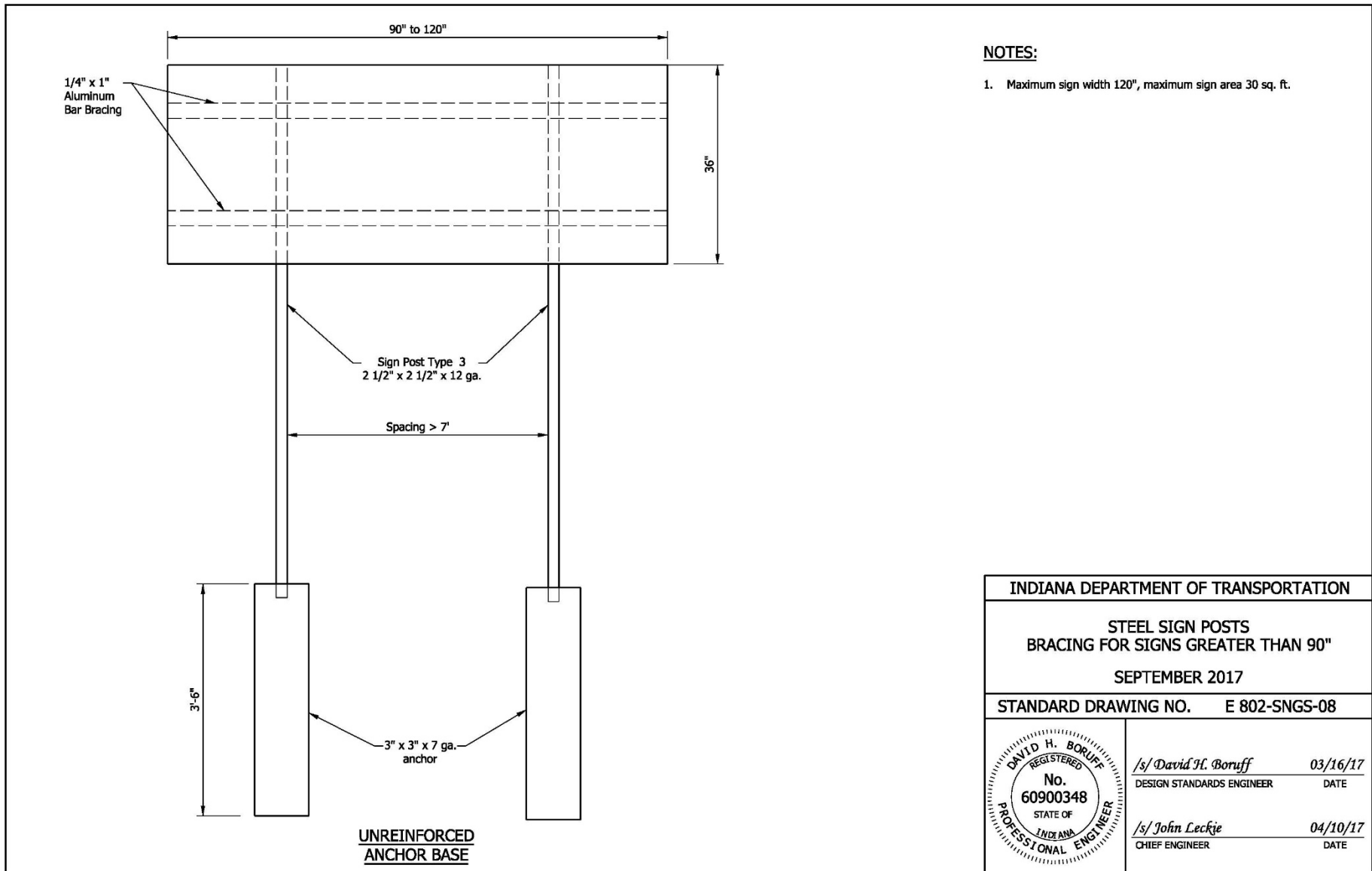
NOTES:

1. See Standard Drawing E 802-SNGS-08 and -09 for square steel sign post installation details.
2. The Type 1 post shall be 2 1/4 in. x 2 1/4 in. x 12 ga. wall thickness.
3. The Type 2 post shall be 2 in. x 2 in. x 12 ga. wall thickness.
4. The Type 3 post shall be 2 1/2 in. x 2 1/2 in. x 12 ga. wall thickness.
5. Flanged channel posts are as specified and as shown on the plans.

INDIANA DEPARTMENT OF TRANSPORTATION									
STEEL SIGN POST SELECTION TABLE									
SEPTEMBER 2017									
STANDARD DRAWING NO.	E 802-SNGS-07								
	<table> <tr> <td>/s/ David H. Boruff</td> <td>03/16/17</td> </tr> <tr> <td>DESIGN STANDARDS ENGINEER</td> <td>DATE</td> </tr> <tr> <td>/s/ John Leckie</td> <td>04/10/17</td> </tr> <tr> <td>CHIEF ENGINEER</td> <td>DATE</td> </tr> </table>	/s/ David H. Boruff	03/16/17	DESIGN STANDARDS ENGINEER	DATE	/s/ John Leckie	04/10/17	CHIEF ENGINEER	DATE
/s/ David H. Boruff	03/16/17								
DESIGN STANDARDS ENGINEER	DATE								
/s/ John Leckie	04/10/17								
CHIEF ENGINEER	DATE								

REVISION TO STANDARD DRAWINGS

E 802-SNGS-08 Steel Sign Posts, Bracing for Signs Greater Than 90" (shown markups)

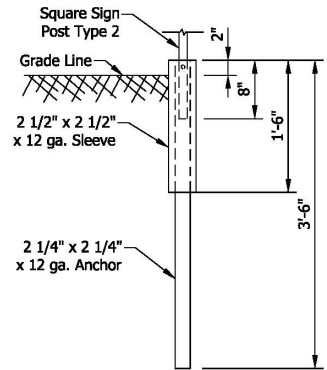


REVISION TO STANDARD DRAWINGS

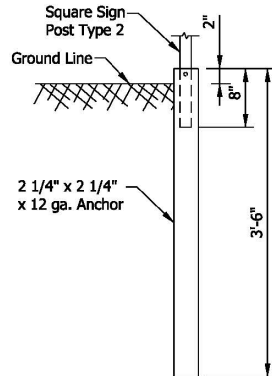
E 802-SNGS-09 Steel Sign Posts, Anchor Base Details (shown markups)

NOTES:

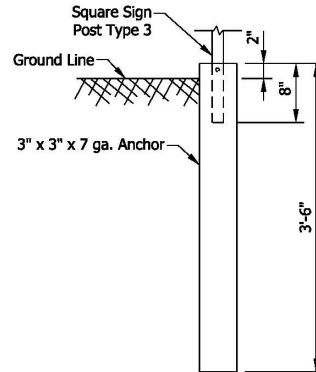
- ① See Standard Drawing E 802-SNGS-07 for sign size and E 802-SNPL-02 for horizontal and vertical sheet sign clearance.



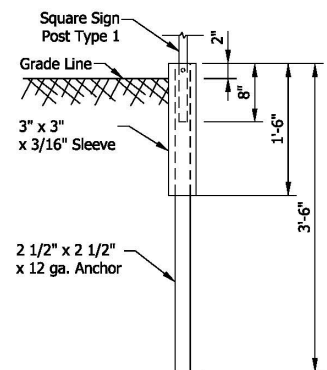
REINFORCED ANCHOR BASE



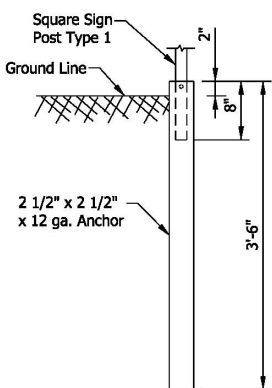
UNREINFORCED ANCHOR BASE



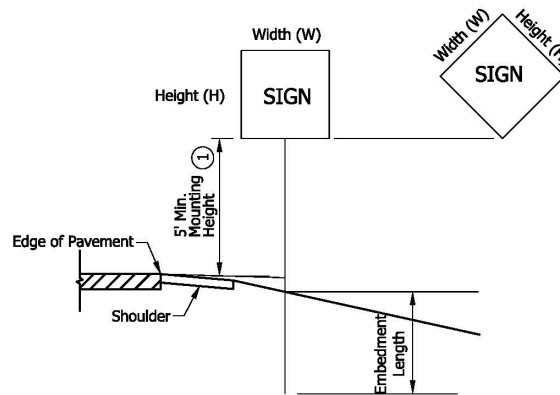
UNREINFORCED ANCHOR BASE



REINFORCED ANCHOR BASE



UNREINFORCED ANCHOR BASE



POST	TYPE	WALL THICKNESS	NO. OF POSTS PERMITTED IN 7 ft PATH	EMBEDMENT LENGTH
U-CHANNEL	A, B		1 OR 2	3'-6"
SQUARE	1	12 ga.	1	Anchor Base
	2	12 ga.	1 OR 2	
	3	12 ga.	1	

INDIANA DEPARTMENT OF TRANSPORTATION	
STEEL SIGN POSTS ANCHOR BASE DETAILS	
SEPTEMBER 2017	
STANDARD DRAWING NO.	E 802-SNGS-09
	/s/ David H. Boruff 03/16/17 DESIGN STANDARDS ENGINEER DATE /s/ John Leckie 04/10/17 CHIEF ENGINEER DATE

REVISION TO STANDARD DRAWINGS

E 802-SNGS-10 Sign Identification Marking (shown markups)

Show last two digits instead of last digit for year (28 instead of 8)

INDIANA
DEPARTMENT OF TRANSPORTATION

PUBLIC NOTICE

VANDALISM, THEFT OR POSSESSION OF THIS
HIGHWAY SIGN IS PUNISHABLE BY LAW AND
VIOLATORS WILL BE PROSECUTED.

INSTALLATION INFORMATION

• JANUARY
 • FEBRUARY
 • MARCH
 • APRIL
 • MAY
 • JUNE

JULY •
 AUGUST •
 SEPTEMBER •
 OCTOBER •
 NOVEMBER •
 DECEMBER •

15 16 17 18 19

25 26 27 28 29

6

NOTES:

1. Height of lettering shall be 1/8" to 1/4". The height of the dates along the bottom shall be 1/2".
2. Copy shall be black on reflectorized white background.
3. The number of dates along the bottom need not be five, and the first date need not be 15. However, the installation date shall be shown.
4. The month and year of installation shall be punched by a 1/4" minimum diameter hole.
5. The overlay number is to be of colored transparent sheeting to indicate the last digit of the year of installation.
- 6 The decade of installation shall be indicated by color of transparent sheeting:
~~2010 - 2019 Red~~
 2020 - 2029 Brown
 2030 - 2039 Orange

INDIANA DEPARTMENT OF TRANSPORTATION	
SIGN IDENTIFICATION MARKING	
SEPTEMBER 2017	
STANDARD DRAWING NO. E 802-SNGS-10	
	/s/ David H. Boruff DESIGN STANDARDS ENGINEER 03/16/17 DATE /s/ John Leckie CHIEF ENGINEER 04/10/17 DATE

REVISION TO STANDARD DRAWINGS

E 802-SNGS-01 Signs Drawing Index and General Notes (proposed draft)

INDEX	
SHEET NO.	SUBJECT
1	Signs Drawing Index and General Notes
2	Route Marker Details, Shields and Auxillary Signs
3	Route Marker Details, Arrow and Cardinal Direction Signs
4	Sign ReflectORIZATION Schedule
5	Sign ReflectORIZATION Schedule
6	Miscellaneous Sign Details
7	Steel Sign Posts, Selection Table
8	Steel Sign Posts, Bracing for Signs Greater Than 90"
9	Steel Sign Posts, Anchor Base Details
10	Sign Identification Marking

GENERAL NOTES:

1. Characters sometimes cannot be accommodated within the space available on guide signs. For this situation, the standard series D characters may be reduced to series C. As a second choice, use the next smaller height commonly available.
2. For independent use of sheet signs, a nylon and metal washer shall be placed between each bolt head and the face of the metal sign. See Sign Bolt Detail on Standard Drawing E 802-SNGS-06.
3. Fabrication details for the signs shown shall be found in the Standard Highway Signs and Markings Book. Shop drawings will be supplied on all other signs not found in the publication.
4. See Standard Drawing E 802-SNPL-02 for mounting height and lateral locations of signs.
5. Splicing of flanged channel post will not be permitted.
6. Wherever white is specified as a color, it is understood to include silver-colored reflecting coatings or elements that reflect white light.

INDIANA DEPARTMENT OF TRANSPORTATION	
SIGNS DRAWING INDEX AND GENERAL NOTES SEPTEMBER 2026	
STANDARD DRAWING NO. E 802-SNGS-01	
	DESIGN STANDARDS ENGINEER _____ DATE _____ CHIEF ENGINEER _____ DATE _____

REVISION TO STANDARD DRAWINGS

E 802-SNGS-02 Route Marker Details, Shields and Auxiliary Signs (proposed draft)



WHITE BACKGROUND WITH BLACK BORDER AND NUMERALS
M1-4(I)

FOR INDEPENDENT USE ONLY



WHITE BACKGROUND WITH BLACK NUMERALS
M1-4(G)
(G) INDICATES SHIELD TO BE USED ON ALL GUIDE SIGNS AND DOES NOT REQUIRE BLACK BORDER

FOR GUIDE SIGN USE



WHITE BACKGROUND WITH BLACK LETTERS, NUMERALS AND BORDER
M1-5

STATE ROUTE MARKER



WHITE LETTERS, NUMERALS, AND BORDER
M1-1

INTERSTATE SHIELD

M1-4(I), M1-4(G), M1-5, M1-1					
12" NUMERALS		18" NUMERALS		24" NUMERALS	
2 DIGITS	3 DIGITS	2 DIGITS	3 DIGITS	2 DIGITS	3 DIGITS
24" x 24"	30" x 24"	36" x 36"	45" x 36"	48" x 48"	60" x 48"



M2-1P(S)
M2-1P(I)



M4-5P(I)
M4-5P(S)



M4-6P(S)
M4-6P(I)



M4-4P(S)

(I) INDICATES WHITE LEGEND ON BLUE BACKGROUND (INTERSTATE)
(S) INDICATES BLACK LEGEND ON WHITE BACKGROUND (STATE)

STATE	M2-1P(S)		M4-4P(S)		M4-5P(S)		M4-6P(S)	
INTERSTATE	M2-1P(I)				M4-5P(I)		M4-6P(I)	
SHIELD SIZES	24" x 24"	36" x 36"	24" x 24"	36" x 36"	24" x 24"	36" x 36"	24" x 24"	36" x 36"
	30" x 24"	45" x 36"	30" x 24"	45" x 36"	30" x 24"	45" x 36"	30" x 24"	45" x 36"
CORRESPONDING SIGN SIZE	21" x 15"		24" x 12"	36" x 18"	24" x 12"	36" x 18"	24" x 12"	36" x 18"

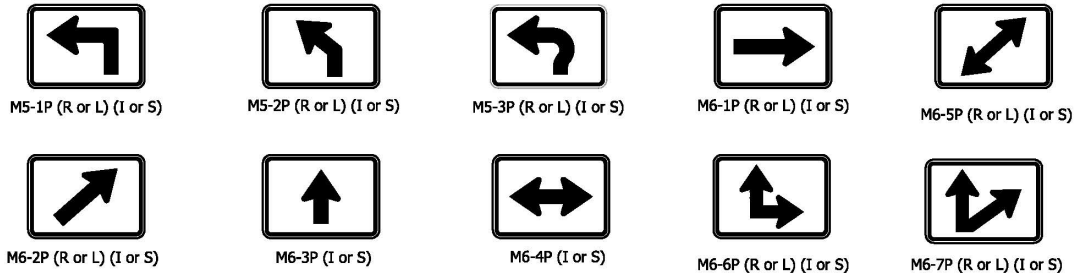
NOTES:

1. All series M(S) "JCT", "TO", "TRUCK", and "END" shall be white background with black legend and border.
2. All series M(I) "JCT", "TO", "TRUCK", and "END" shall be blue background with white legend and border.
3. Center align numbers about vertical centerline of shield.

INDIANA DEPARTMENT OF TRANSPORTATION	
ROUTE MARKER DETAILS SHIELDS AND AUXILIARY SIGNS	
SEPTEMBER 2026	
STANDARD DRAWING NO. E 802-SNGS-02	
	DESIGN STANDARDS ENGINEER DATE
	CHIEF ENGINEER DATE

REVISION TO STANDARD DRAWINGS

E 802-SNGS-03 Route Marker Details, Arrow and Cardinal Direction Signs (proposed draft)



NOTES:

1. All series M(S) cardinal directions and arrows shall be white background with black legend and border.
2. All series M(I) cardinal directions and arrows shall be blue background with white legend and border.
- ③ Make 1st letter 10% taller.

STATE	M5-1P(S) M6-1P(S) M6-3P(S) M6-5P(S) M6-7P(S) M5-2P(S) M5-3P(S) M6-2P(S) M6-4P(S) M6-6P(S)			
INTERSTATE	M5-1P(I) M6-1P(I) M6-3P(I) M6-5P(I) M6-7P(I) M5-2P(I) M5-3P(I) M6-2P(I) M6-4P(I) M6-6P(I)			
SHIELD SIZES	24" x 24" 30" x 24"		36" x 36" 45" x 36"	
CORRESPONDING SIGN SIZE	21" x 15"		30" x 21"	



STATE	M3-1P(S) M3-2P(S) M3-3P(S) M3-4P(S)			
INTERSTATE	M3-1(I) M3-2(I) M3-3(I) M3-4(I)			
SHIELD SIZES	24" x 24"	30" x 24"	36" x 36"	45" x 36"
CORRESPONDING SIGN SIZE	24" x 12"	24" x 12"	36" x 18"	36" x 18"

INDIANA DEPARTMENT OF TRANSPORTATION	
ROUTE MARKER DETAILS ARROW AND CARDINAL DIRECTION SIGNS	
SEPTEMBER 2026	
STANDARD DRAWING NO. E 802-SNGS-03	
	DESIGN STANDARDS ENGINEER DATE
	CHIEF ENGINEER DATE

REVISION TO STANDARD DRAWINGS

E 802-SNGS-04 Sign Reflectorization Schedule (proposed draft)

SIGN	REMARKS	BACKGROUND	COPY & BORDER
IGD, IGDO, GD	Directional	S-3-H	B
IGI	Information	S-4-H	B
IGS	Services	S-4-H	B
IGDO, GDO Special Panel	Warning Panel	S-10-H	A
R1-1, R1-3P	Stop Sign and All Way Plaque	S-5-H	S-2-H
R1-2	Yield Sign	S-2-H	S-5-H
R1-5	Yield Here to Pedestrians	S-2-H	S-5-H, O-1-H
R1-6	In-Street Yield Here to Pedestrians	S-10-H	S-2-H, S-5-H, O-1-H
R1-9	Overhead Yield to Pedestrians	S-2-H	S-10-H, O-1-H
R2-3P	Night Speed Limit Plaque	O-1-H	S-2-H
R3-1, R3-2, R3-4, R3-18, R3-27	Movement Prohibition Signs	S-2-H	S-5-H, O-1-H
R5-1	Do Not Enter	S-5-H	S-2-H
R5-1a	Wrong Way	S-5-H	S-2-H
R5-2, R5-6, R9-13 thru R9-16	Selective Exclusion Signs	S-2-H	S-5-H, O-1-H
R7-1, R7-4, R7-107, R7-201P	No Parking (Urban)	S-2-H	S-5-H
R7-2a, R7-107a	No Parking (Urban)	S-2-H	S-5-H, O-1-H
R7-5, R7-5a, R7-108	Restricted Parking	S-2-H	S-7-H
R7-8	Reserved Parking	S-2-H	S-7-H, S-6-H
R8-1, R8-1a, R8-2, R8-3, R8-3b, R8-3c, R8-8	No Parking (Rural)	S-2-H	S-5-H
R8-3a	No Parking (Rural)	S-2-H	S-5-H, O-1-H
R9-3, R9-4	Pedestrian Signs	S-2-H	S-5-H, O-1-H
R10-3b thru R10-3i	Pedestrian Pushbutton Signs	S-2-H	S-9-H, O-1-H
All other regulatory signs		S-2-H	O-1-H
W3-1a, W3-2a	Stop & Yield Ahead	S-10-H	S-2-H, S-5-H, O-1-H
W3-3	Signal Ahead	S-10-H	S-5-H S-7-H, O-1-H
All School Warning Signs		S-11-H	O-1-H
All other warning signs	Except Construction Signs, School Warning Signs	S-10-H	O-1-H
M1-1	Interstate Shields	S-8-H	S-2-H
M1-2, M1-3	Business Shields	S-7-H	S-2-H
M1-4	U.S. Shields	S-2-H	O-1-H
M1-5	State Shields	S-2-H	O-1-H
M1-6	County Shields	S-4-H	S-1-H
M1-7	National Forest	△	S-2-H

BACKGROUND, COPY & BORDER KEY

CODE	DESCRIPTION
O-1-H	Paint (Black) For Use With Prismatic Reflective Sheeting
S-1-H	Prismatic Reflective Sheeting (Yellow)
S-2-H	Prismatic Reflective Sheeting (Silver)
S-3-H	Prismatic Reflective Sheeting (Green)
S-4-H	Prismatic Reflective Sheeting (Blue)
S-5-H	Prismatic Reflective Sheeting (Silver with reverse screen transparent Red)
S-6-H	Prismatic Reflective Sheeting (Silver with reverse screen transparent Blue)
S-7-H	Prismatic Reflective Sheeting (Silver with reverse screen transparent Green)
S-8-H	Prismatic Reflective Sheeting (Silver with reverse screen transparent Red and Blue)
S-9-H	Prismatic Reflective Sheeting (Fluorescent Orange)
S-10-H	Prismatic Reflective Sheeting (Fluorescent Yellow)
S-11-H	Prismatic Reflective Sheeting (Fluorescent Yellow-Green)
A	Cut - Out Letters Which Are Painted Black
B	Cut - Out Letters and Border - White Prismatic Reflective Sheeting
△	Brown Background with Prismatic Reflective Sheeting

SIGN IDENTIFICATION CODES

IGDO	Interstate Guide Directional Overhead
IGD	Interstate Guide Directional
IGS	Interstate Guide Service and Rest Area
IGI	Interstate Guide Information
GDO	Guide Directional Overhead
GD	Guide Directional
R	Regulatory Sign
W	Warning, Construction and Maint. Signs
M	Route Markers and Aux. Markers for Assemblies
D	Destination Sign
I	Information

INDIANA DEPARTMENT OF TRANSPORTATION	
SIGN REFLECTORIZATION SCHEDULE	
SEPTEMBER 2026	
STANDARD DRAWING NO.	E 802-SNGS-04
DESIGN STANDARDS ENGINEER	DATE
CHIEF ENGINEER	DATE

REVISION TO STANDARD DRAWINGS

E 802-SNGS-05 Sign Reflectorization Schedule (proposed draft)

SIGN	REMARKS	BACKGROUND	COPY & BORDER
M2-1P (I), M3-1P (I), M3-2P (I), M3-3P (I), M3-4P (I)	Auxiliary Markers	S-6-H	S-2-H
M4-5P (I), M4-7P (I), M5-1P (I), M5-2P (I)	Auxiliary Markers	S-6-H	S-2-H
M6-1P thru M6-7P	Auxiliary Markers	S-6-H	S-2-H
M4-5P, M4-6P	Auxiliary Markers	S-7-H	S-2-H
M4-8, M4-9	Detour Marker	S-9-H	O-1-H
All Other Marker Auxiliaries		S-2-H	O-1-H
D4-1	Parking	S-2-H	S-7-H
D5 Series, D9 Series, D12 Series	Rest Area, Service, Info	S-6-H	S-2-H
D7-2	Recreation Area		S-2-H
All Other Destination Signs		S-3-H	S-2-H
I-17, I-18, I-19		S-6-H	S-2-H
I-20, I-21		S-2-H	O-1-H
All Other I-Signs		S-7-H	S-2-H
All Construction Signs		S-9-H	O-1-H
All Maintenance Signs		S-9-H	O-1-H

BACKGROUND, COPY AND BORDER KEY

CODE	DESCRIPTION
O-1-H	Paint (Black) For Use With Prismatic Reflective Sheeting
S-1-H	Prismatic Reflective Sheeting (Yellow)
S-2-H	Prismatic Reflective Sheeting (Silver)
S-3-H	Prismatic Reflective Sheeting (Green)
S-4-H	Prismatic Reflective Sheeting (Blue)
S-5-H	Prismatic Reflective Sheeting (Silver with reverse screen transparent Red)
S-6-H	Prismatic Reflective Sheeting (Silver with reverse screen transparent Blue)
S-7-H	Prismatic Reflective Sheeting (Silver with reverse screen transparent Green)
S-8-H	Prismatic Reflective Sheeting (Silver with reverse screen transparent Red and Blue)
S-9-H	Prismatic Reflective Sheeting (Fluorescent Orange)
A	Cut - Out Letters Which Are Painted Black
B	Cut - Out Letters And Border - White Prismatic Reflective Sheeting
	Brown Background With Prismatic Reflective Sheeting

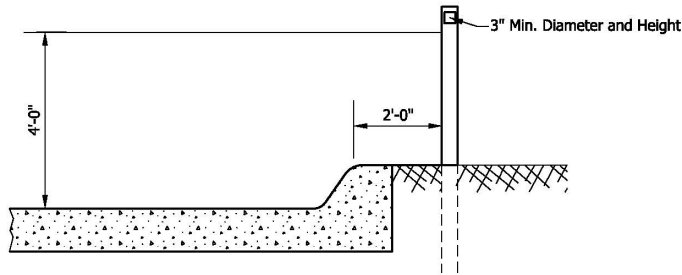
SIGN IDENTIFICATION CODES

IGDO	Interstate Guide Directional Overhead
IGD	Interstate Guide Directional
IGS	Interstate Guide Service and Rest Area
IGI	Interstate Guide Information
GDO	Guide Directional Overhead
GD	Guide Directional
R	Regulatory Sign
W	Warning, Construction and Maint. Signs
M	Route Markers and Aux. Markers for Assemblies
D	Destination Sign
I	Information

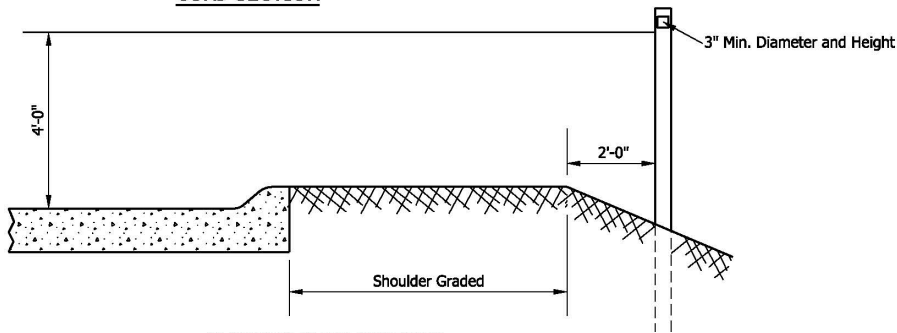
INDIANA DEPARTMENT OF TRANSPORTATION					
SIGN REFLECTORIZATION SCHEDULE					
SEPTEMBER 2026					
STANDARD DRAWING NO. E 802-SNGS-05					
	<table> <tr> <td>DESIGN STANDARDS ENGINEER</td> <td>DATE</td> </tr> <tr> <td>CHIEF ENGINEER</td> <td>DATE</td> </tr> </table>	DESIGN STANDARDS ENGINEER	DATE	CHIEF ENGINEER	DATE
	DESIGN STANDARDS ENGINEER	DATE			
CHIEF ENGINEER	DATE				

REVISION TO STANDARD DRAWINGS

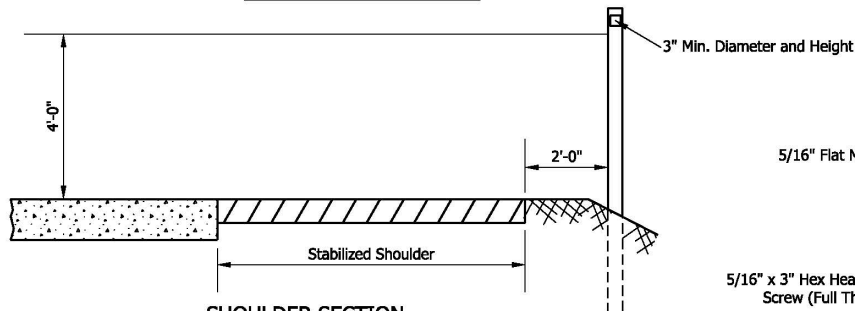
E 802-SNGS-06 Miscellaneous Sign Details (proposed draft)



CURB SECTION

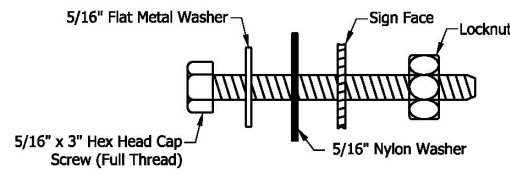


SLOPING CURB SECTION



SHOULDER SECTION

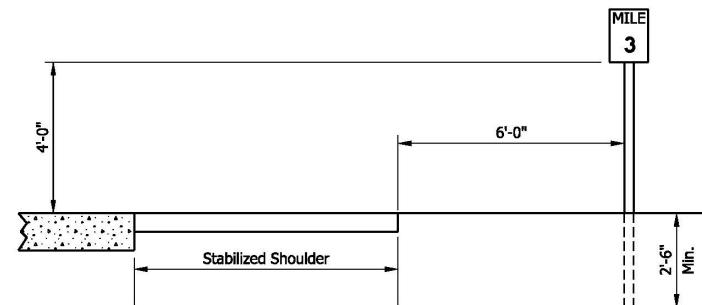
DELINEATOR DETAILS ②



SIGN BOLT DETAIL

NOTES:

- ① Reference markers shall be installed in accordance with MUTCD.
- ② Delineators shall be selected from the INDOT Qualified Products List.
3. Signs shall be fastened to the posts with bolts, metal and nylon washers and locknut. The nylon washer and the metal washer shall be placed between each bolt head and the face of the sign.
4. Nut shall be tightened sufficiently so that the sign is firmly against the post. However, there shall be no deformation of aluminum sheeting or twisting or damage to the reflective sheeting.
5. Bolt can either be stainless steel or galvanized steel bolt.



TYPICAL MILE OR REFERENCE POST ①

INDIANA DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS SIGN DETAILS

SEPTEMBER 2026

STANDARD DRAWING NO. E 802-SNGS-06

DESIGN STANDARDS ENGINEER DATE

CHIEF ENGINEER DATE

REVISION TO STANDARD DRAWINGS

E 802-SNGS-07 Steel Sign Posts, Selection Table (proposed draft)

WIDTH X HEIGHT ("W X H")	MOUNTING HEIGHT							
	5 FT		6 FT		7 FT		8 FT	
	U CHANNEL	SQUARE POST	U CHANNEL	SQUARE POST	U CHANNEL	SQUARE POST	U CHANNEL	SQUARE POST
12 x 12, 12 x 6, 12 x 9	1-A	1-Type 1	1-A	1-Type 1	1-A	1-Type 1	1-A	1-Type 1
12 x 12, 12 x 18, 12 x 30	1-A		1-A		1-A		1-A	
12 x 36	1-A		1-A		1-A		1-A	
18 x 6, 18 x 12, 18 x 18	1-A		1-A		1-A		1-A	
18 x 24	1-A		1-A		1-A		1-A	
18 x 30	1-A		1-A		1-A		1-A	
18 x 48	1-A		1-A		1-A		1-A	
24 x 12, 24 x 18, 24 x 24	1-A		1-A		1-A		1-A	
24 x 30	1-A		1-A		1-A		1-A	
24 x 36	1-A		1-A		1-A		1-A	
30 x 18	1-A		1-A		1-A		1-A	
30 x 24	1-A		1-A		1-A		1-A	
30 x 30	1-A		1-A		1-A		1-A	
30 x 36	1-A		1-A		1-A		1-A	
30 x 42	1-B		1-B		1-B		1-B	
30 x 48	1-B		1-B		1-B		1-B	
36 x 12	2-A		2-A		2-A		2-A	
36 x 18	2-A		2-A		2-A		2-A	
36 x 24	2-A	2-Type 2	2-A	2-Type 2	2-A	2-Type 2	2-A	2-Type 2
36 x 36	2-A		2-A		2-A		2-A	
36 x 48	2-A		2-A		2-A		2-A	
42 x 18	2-A		2-A		2-A		2-B	
42 x 24	2-A		2-A		2-A		2-A	
42 x 30	2-A		2-A		2-A		2-A	
42 x 36	2-A		2-A		2-A		2-A	
48 x 16	2-A		2-A		2-A		2-A	
48 x 18	2-A		2-A		2-A		2-A	
48 x 24	2-A		2-A		2-A		2-A	
48 x 30	2-A		2-A		2-A		2-A	
48 x 36	2-A		2-A		2-A		2-A	
48 x 48	2-A		2-B		2-B		2-B	
48 x 60	2-B		2-B		2-B		2-B	
60 x 24	2-A		2-A		2-A		2-A	
60 x 30	2-A		2-A		2-A		2-A	
60 x 36	2-A		2-A		2-B		2-B	
60 x 48	2-B		2-B		2-B		2-B	
72 x 24	2-A		2-A		2-A		2-A	
72 x 36	2-B		2-B		2-B		2-B	
90 x 36	2-B	2-Type 3	2-B	2-Type 3	2-B	2-Type 3	2-B	2-Type 3
120 x 36								

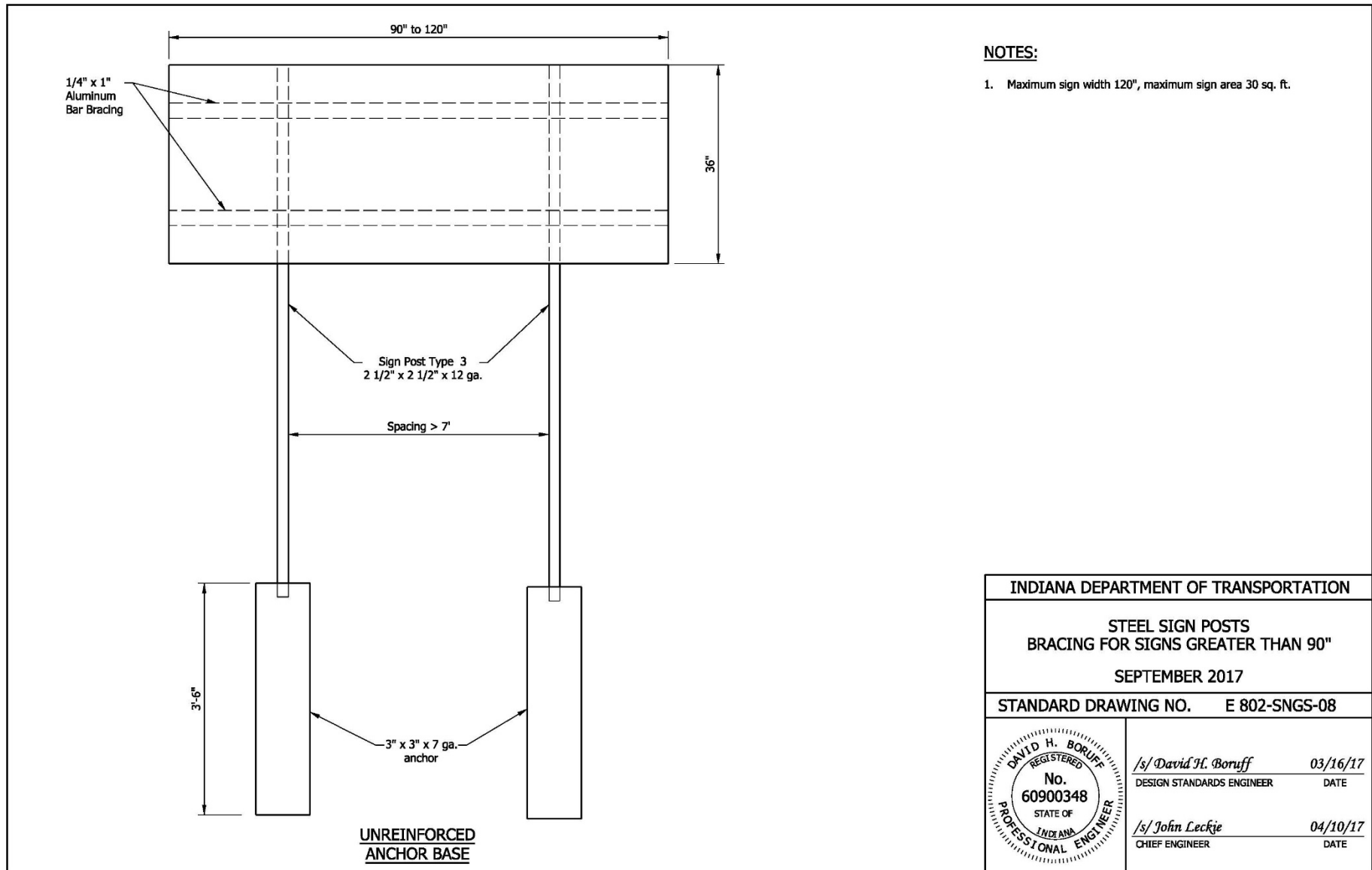
NOTES:

1. See Standard Drawing E 802-SNGS-08 and -09 for square steel sign post installation details.
2. The Type 1 post shall be 2 1/4 in. x 2 1/4 in. x 12 ga. wall thickness.
3. The Type 2 post shall be 2 in. x 2 in. x 12 ga. wall thickness.
4. The Type 3 post shall be 2 1/2 in. x 2 1/2 in. x 12 ga. wall thickness.
5. Flanged channel posts are as specified and as shown on the plans.

INDIANA DEPARTMENT OF TRANSPORTATION									
STEEL SIGN POST SELECTION TABLE									
SEPTEMBER 2017									
STANDARD DRAWING NO.	E 802-SNGS-07								
	<table> <tr> <td>/s/ David H. Boruff</td> <td>03/16/17</td> </tr> <tr> <td>DESIGN STANDARDS ENGINEER</td> <td>DATE</td> </tr> <tr> <td>/s/ John Leckie</td> <td>04/10/17</td> </tr> <tr> <td>CHIEF ENGINEER</td> <td>DATE</td> </tr> </table>	/s/ David H. Boruff	03/16/17	DESIGN STANDARDS ENGINEER	DATE	/s/ John Leckie	04/10/17	CHIEF ENGINEER	DATE
/s/ David H. Boruff	03/16/17								
DESIGN STANDARDS ENGINEER	DATE								
/s/ John Leckie	04/10/17								
CHIEF ENGINEER	DATE								

REVISION TO STANDARD DRAWINGS

E 802-SNGS-08 Steel Sign Posts, Bracing for Signs Greater Than 90" (no changes)

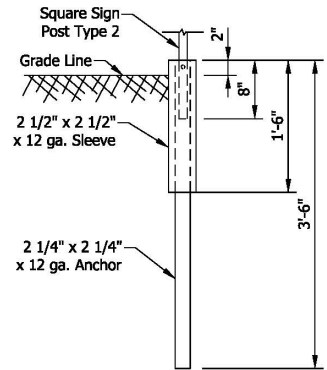


REVISION TO STANDARD DRAWINGS

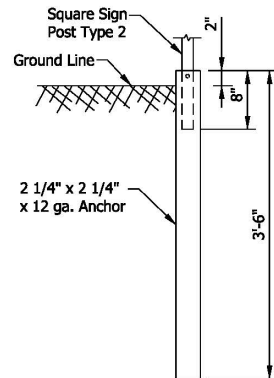
E 802-SNGS-09 Steel Sign Posts, Anchor Base Details (no changes)

NOTES:

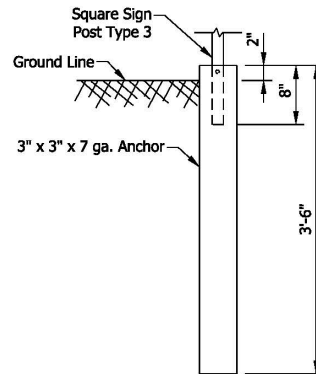
- ① See Standard Drawing E 802-SNGS-07 for sign size and E 802-SNPL-02 for horizontal and vertical sheet sign clearance.



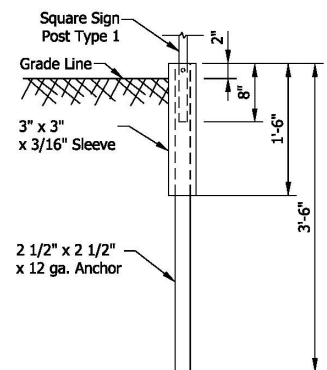
REINFORCED ANCHOR BASE



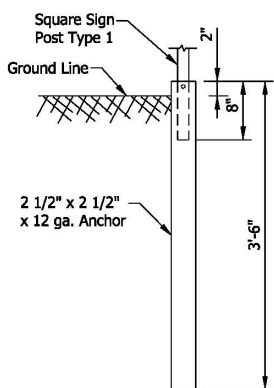
UNREINFORCED ANCHOR BASE



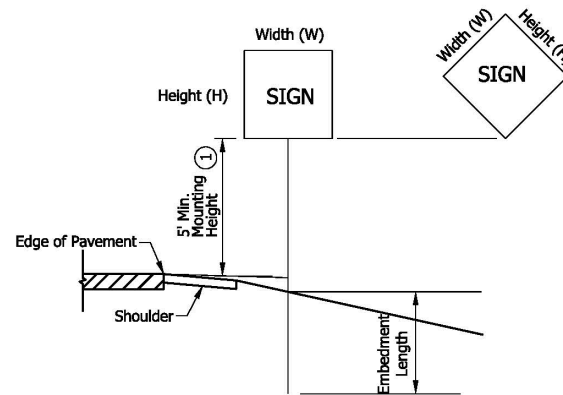
UNREINFORCED ANCHOR BASE



REINFORCED ANCHOR BASE



UNREINFORCED ANCHOR BASE

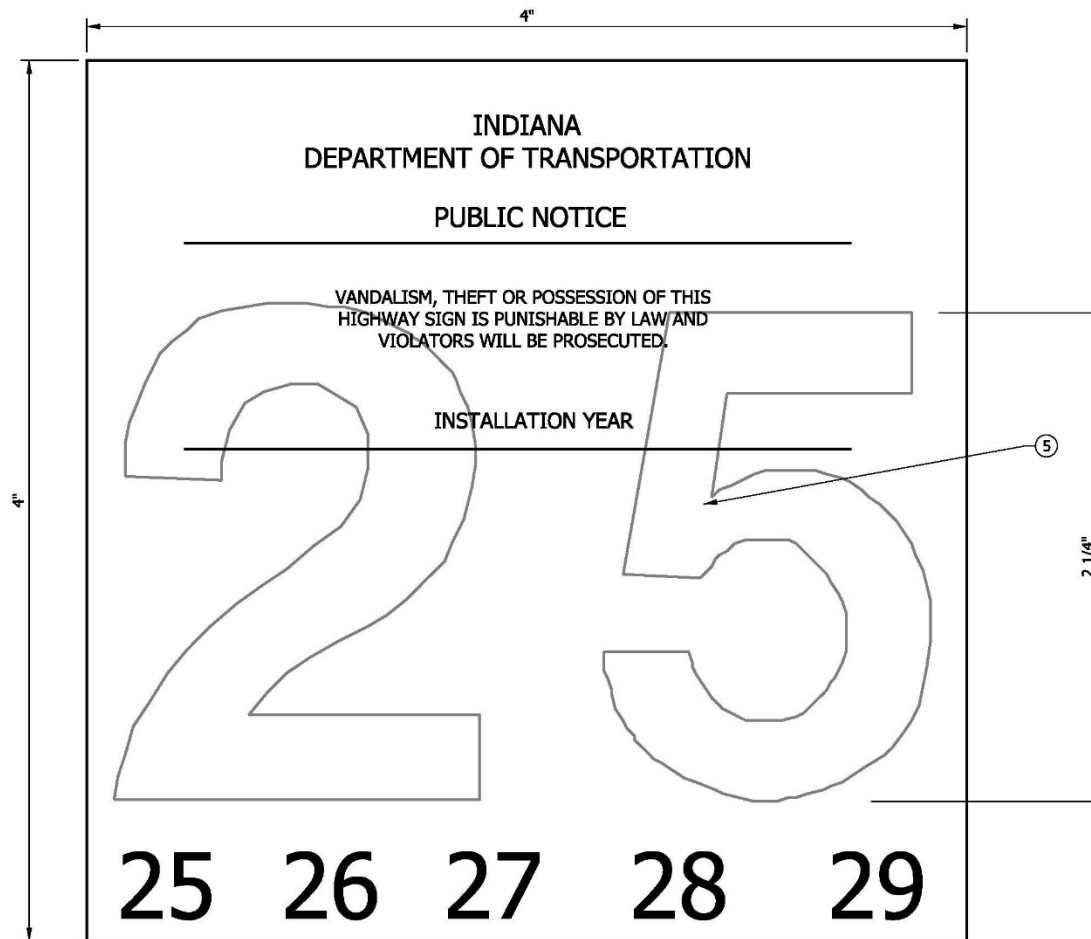


POST	TYPE	WALL THICKNESS	NO. OF POSTS PERMITTED IN 7 ft PATH	EMBEDMENT LENGTH
U-CHANNEL	A, B		1 OR 2	3'-6"
SQUARE	1	12 ga.	1	Anchor Base
	2	12 ga.	1 OR 2	
	3	12 ga.	1	

INDIANA DEPARTMENT OF TRANSPORTATION	
STEEL SIGN POSTS ANCHOR BASE DETAILS	
SEPTEMBER 2017	
STANDARD DRAWING NO. E 802-SNGS-09	
	/s/ David H. Boruff 03/16/17 DESIGN STANDARDS ENGINEER DATE
	/s/ John Leckie 04/10/17 CHIEF ENGINEER DATE

REVISION TO STANDARD DRAWINGS

E 802-SNGS-10 Sign Identification Marking (proposed draft)

**NOTES:**

1. Height of lettering shall be 1/8" to 1/4". The height of the dates along the bottom shall be 1/2".
2. Copy shall be black on reflectorized white background.
3. The number of dates along the bottom need not be five, and the first date need not be 25. However, the Installation year shall be shown.
4. The overlay number is to be of colored transparent sheeting to indicate the last two digits of the year of installation.
- ⑤ The decade of installation shall be indicated by color of transparent sheeting:

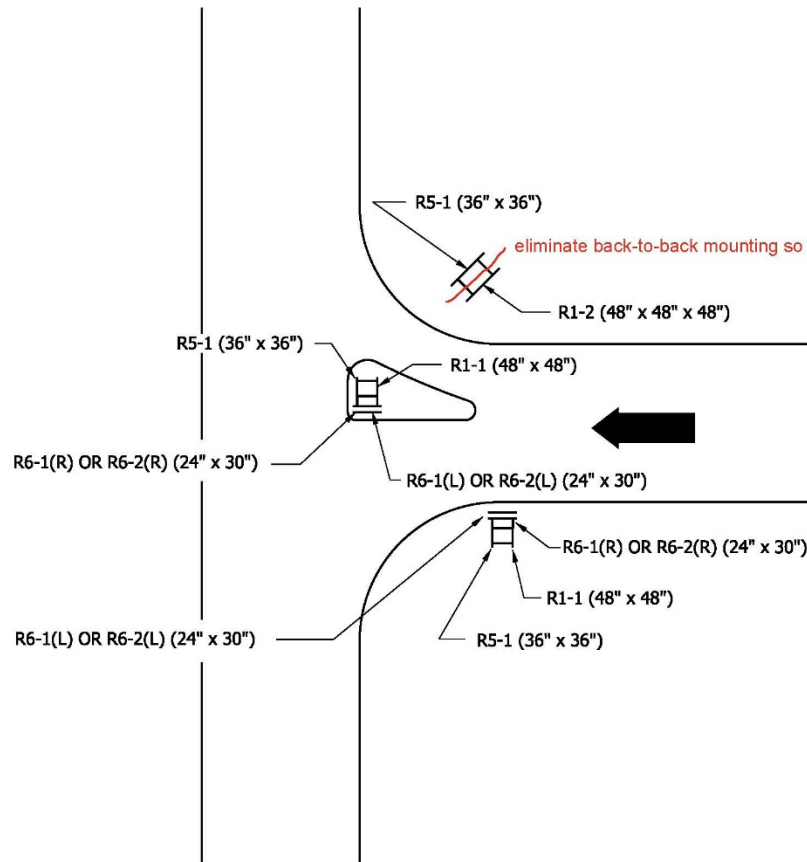
2020 - 2029 Brown
 2030 - 2039 Orange

INDIANA DEPARTMENT OF TRANSPORTATION	
SIGN IDENTIFICATION MARKING	
SEPTEMBER 2026	
STANDARD DRAWING NO. E 802-SNGS-10	
	DESIGN STANDARDS ENGINEER DATE
	CHIEF ENGINEER DATE

REVISION TO STANDARD DRAWINGS

E 802-SNPL-01 Sign Details Typical Location (shown markups)

Add index sheet



INDIANA DEPARTMENT OF TRANSPORTATION			
SIGN DETAILS TYPICAL LOCATION			
SEPTEMBER 2010			
STANDARD DRAWING NO.		E 802-SNPL-01.02	
	/s/ Richard L. VanCleave	09/01/10	
	DESIGN STANDARDS ENGINEER	DATE	
	/s/ Mark A. Miller	09/01/10	
DESIGN STANDARDS ENGINEER	CHIEF HIGHWAY ENGINEER	DATE	

REVISION TO STANDARD DRAWINGS

E 802-SNPL-02 Horizontal and Vertical Sheet Sign Clearance (shown markups)

TYPE OF ROADWAY	INTERSTATE AND DIVIDED HIGHWAY WITH SHOULDER, RURAL & URBAN	DIVIDED HIGHWAY WITH CURB, RURAL & URBAN	NON-DIVIDED HIGHWAY, RURAL OR CITY STREET	NON-DIVIDED HIGHWAY, URBAN
CLEARANCE				
VERTICAL: EDGE OF TRAVELED WAY PAVEMENT TO BOTTOM OF SIGN OR SIGNS	7 ft TO 7.5 ft ①	7 ft TO 7.5 ft ②	5 ft TO 5.5 ft ④ ②	7 ft TO 7.5 ft ②
HORIZONTAL: EDGE OF TRAVELED WAY PAVEMENT TO EDGE OF SIGN OR SIGNS	12 ft min. or 6 ft min. from the shoulder, whichever is greater	8 ft min. ③	12 ft min. or 6 ft min. from the shoulder, whichever is greater	12 ft min. or 6 ft min. from the shoulder, whichever is greater ③

NOTES:

- ① If a secondary sign is mounted below another sign, the secondary sign shall be installed at least 5 ft. above the level of the pavement edge.
- ② The height to the bottom of a secondary sign mounted below another sign may be 1 ft. less than the height specified above.
- ③ In urban areas where lateral offsets are limited, a minimum lateral offset of 2 ft. may be used. A minimum offset of 1 ft. from the face of the curb may be used in urban areas where sidewalk width is limited or where existing poles are close to the curb.
- ④ ~~Where parking or pedestrian movements occur on an expected recurring basis, the clearance to the bottom of the sign shall be at least 7 ft.~~
Where parking, sidewalk, or pedestrian movements are present

INDIANA DEPARTMENT OF TRANSPORTATION	
HORIZONTAL AND VERTICAL SHEET SIGN CLEARANCE	
SEPTEMBER 2003	
STANDARD DRAWING NO. E 802-SNPL-0203	
	/s/ Richard L. Vance DESIGN STANDARDS ENGINEER DATE: 9-02-03
	/s/ Richard K. Smutzer CHIEF HIGHWAY ENGINEER DATE: 9-02-03

REVISION TO STANDARD DRAWINGS

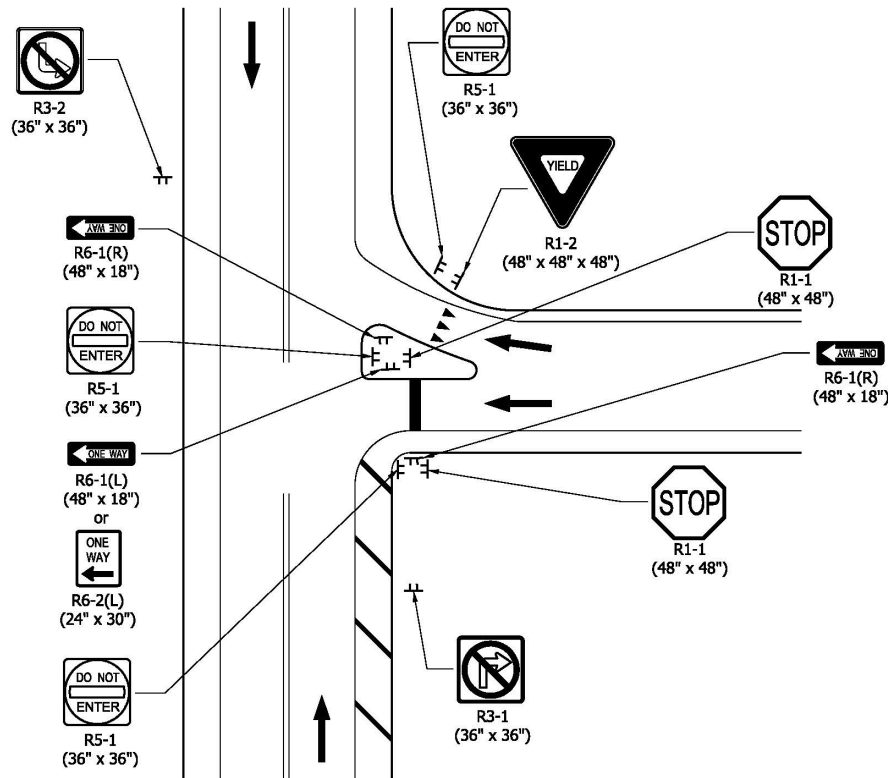
E 802-SNPL-01 Sign Placement Index Sheet (proposed draft)

INDEX	
SHEET NO.	SUBJECT
1	Sign Placement Index Sheet
2	Sign Placement at Exit Ramps
3	Sign Placement, Horizontal and Vertical Sign Clearance

INDIANA DEPARTMENT OF TRANSPORTATION	
SIGN PLACEMENT INDEX SHEET	
SEPTEMBER 2026	
STANDARD DRAWING NO. E 802-SNPL-01	
	DESIGN STANDARDS ENGINEER DATE
	CHIEF ENGINEER DATE

REVISION TO STANDARD DRAWINGS

E 802-SNPL-02 Sign Placement at Exit Ramps (proposed draft)



NOTES:

- ① Diagonal lines shall be 12 in. wide and spaced 20 ft apart.
2. Sign locations shall be as shown on the plans or as directed.
- ③ R1-2 yield sign shall be at least 7 ft away from R5-3 signs.

INDIANA DEPARTMENT OF TRANSPORTATION	
SIGN PLACEMENT AT EXIT RAMPs	
SEPTEMBER 2026	
STANDARD DRAWING NO. E 802-SNPL-02	
	DESIGN STANDARDS ENGINEER DATE
	CHIEF ENGINEER DATE

REVISION TO STANDARD DRAWINGS

E 802-SNPL-03 Horizontal and Vertical Ground Mounted Sign Clearance (proposed draft)

TYPE OF ROADWAY CLEARANCE	INTERSTATE AND DIVIDED HIGHWAY WITH SHOULDER, RURAL & URBAN	DIVIDED HIGHWAY WITH CURB, RURAL & URBAN	NON-DIVIDED HIGHWAY, RURAL OR CITY STREET	NON-DIVIDED HIGHWAY, URBAN
VERTICAL: EDGE OF TRAVELED WAY PAVEMENT TO BOTTOM OF SIGN OR SIGNS	7 ft TO 7.5 ft ①	7 ft TO 7.5 ft ②	5 ft ② TO 5.5 ft ④	7 ft ② TO 7.5 ft
HORIZONTAL: EDGE OF TRAVELED WAY PAVEMENT TO EDGE OF SIGN OR SIGNS	12 ft min. or 6 ft min. from the shoulder, whichever is greater	6 ft min. ③	12 ft min. or 6 ft min. from the shoulder, whichever is greater	12 ft min. or 6 ft min. from the shoulder, whichever is greater ③

NOTES:

- ① If a secondary sign is mounted below another sign, the secondary sign shall be installed at least 5 ft above the level of the pavement edge.
- ② The height to the bottom of a secondary sign mounted below another sign may be 1 ft less than the height specified above.
- ③ In urban areas where lateral offsets are limited, a minimum later offset of 2 ft may be used. A minimum offset of 1 ft from the face of the curb may be used in urban areas where sidewalk width is limited or where existing poles are close to the curb.
- ④ Where parking, sidewalk, or pedestrian movements are present, the clearance to the bottom of the sign shall be at least 7 ft.

INDIANA DEPARTMENT OF TRANSPORTATION	
HORIZONTAL AND VERTICAL GROUND MOUNTED SIGN CLEARANCE	
SEPTEMBER 2026	
STANDARD DRAWING NO. E 802-SNPL-03	
	DESIGN STANDARDS ENGINEER _____ DATE _____ CHIEF ENGINEER _____ DATE _____

COMMENTS AND ACTION

E 802-SNDH series

E 802-SNGS series

E 802-SNPL series

DISCUSSION:

This item was introduced and presented by Mr. Bruno, sitting in as proxy for Mr. Boruff, who stated that Section 1B.02 of the 11th edition of the MUTCD requires states to update standard drawings to be in substantial conformance with the MUTCD. The 802-SNDH, 802-SNPL, and 802-SNGS Standard Drawing series need various minor updates for the current edition of the MUTCD.

Mr. Bruno proposed to update this Standard Drawing series for the current edition of MUTCD. Further detailed explanations were provided by Mr. Bruno.

There were no further discussion and this item passed as submitted.

The effective dates will be discussed at the next Traffic Standards Subcommittee meeting.

Motion: Mr. Bruno Second: Mr. Orton Ayes: 10 Nays: 0 FHWA Approval: YES	Action: ☒ Passed as Submitted ☐ Passed as Revised ☐ Withdrawn
2026 Standard Specifications Sections: 802, pp. 907 - 917. Recurring Special Provisions or Plan Details: NONE Standard Drawing affected: 802-SNDH, 802-SNPL, and 802-SNGS Design Manual Chapter: 502 GIFE Section: NONE	2028 Standard Specifications ☐ Revise Pay Items List ☐ Notification to Designers if change is <u>not</u> addressed by RSP ☐ Create RSP (No. __) Effective: ☐ Revise RSP (No. __) Effective: ☒ Standard Drawings 802-SNDH, 802-SNPL, and 802-SNGS Effective: September 1, 2026 ☐ Create RPD (No. __) Effective: ☐ GIFE Update ☐ Frequency Manual Update ☐ AWP Update

PROPOSAL TO STANDARDS COMMITTEE

PROBLEM(S) ENCOUNTERED: Section 1B.02 of the 11th edition of the MUTCD requires states to update standard drawings to be in substantial conformance with the MUTCD. The 808-DLIM Standard Drawing series need various minor updates for the current edition of the MUTCD and the table in Standard Drawing 808-MKPM-06 needs to be updated for the current edition of the MUTCD.

PROPOSED SOLUTION: Update these Standard Drawing series for the current edition of the MUTCD.

APPLICABLE STANDARD SPECIFICATIONS: 808.04(b)

APPLICABLE STANDARD DRAWING: 808-DLIM series and Standard Drawing 808-MKPM-06

APPLICABLE DESIGN MANUAL CHAPTER: 502

APPLICABLE SECTION OF GIFE: N/A

APPLICABLE RECURRING SPECIAL PROVISION OR PLAN DETAILS: N/A

PAY ITEMS AFFECTED: N/A

APPLICABLE SUB-COMMITTEE ENDORSEMENT: Reviewed by IMUTCD Steering Committee

IF APPROVED AS RECURRING SPECIAL PROVISION OR PLAN DETAILS, PROPOSED BASIS FOR USE:
Required for contracts with any 808 pay items.

IMPACT ANALYSIS (attach report): Yes

Submitted By: Joe Bruno on behalf of Dave Boruff

Title: Sr. Traffic Engineer

Division: Traffic Engineering Division

E-mail: jbruno@indot.in.gov

Date: 3/20/2026

IMPACT ANALYSIS REPORT CHECKLIST

Explain the business case as to why this item should be presented to the Standards Committee for approval. Answer the following questions with Yes, No or N/A.

Does this item appear in any other specification sections? No

Will approval of this item affect the Qualified Products List (QPL)? No

Will this proposal improve:

Construction costs? No

Construction time? No

Customer satisfaction? Yes

Congestion/travel time? Yes

Ride quality? No

Will this proposal reduce operational costs or maintenance effort? No

Will this item improve safety:

For motorists? Yes

For construction workers? No

Will this proposal improve quality for:

Construction procedures/processes? Yes

Asset preservation? No

Design process? Yes

Will this change provide the contractor more flexibility? No

Will this proposal provide clarification for the Contractor and field personnel? Yes

Can this item improve/reduce the number of potential change orders? Yes

Is this proposal needed for compliance with:

Federal or State regulations? Yes

AASHTO or other design code? No

Is this item editorial? No

Provide any further information as to why this proposal should be placed on the Standards Committee meeting Agenda: N/A

REVISION TO STANDARD SPECIFICATIONS AND STANDARD DRAWINGS

SECTION 808 – PAVEMENT TRAFFIC MARKINGS

808.04(b) Lane Lines

808-T-2xx WIDE LINES

(Adopted xx-xx-26)

The Standard Specifications are revised as follows:

SECTION 808, BEGIN LINE 110, DELETE AND INSERT AS FOLLOWS:

Wide lane lines for lane drops, route splits, or auxiliary lanes shall be white in color and shall be ~~10/2~~ in. wide on the state highway system, and 8 in. wide on all other roads. White solid lines shall be used to mark lane lines only when specified or directed.

FINAL DRAFT MINUTES

REVISION TO STANDARD SPECIFICATIONS AND STANDARD DRAWINGS

E 808-DLIM-01 Dotted Line Markings, Index and General Notes

INDEX

SHEET NO.	SUBJECT
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2	Dotted Lines for Freeway Acceleration Lanes
3	Dotted Lines for Freeway Deceleration Lanes
4	Freeway Short Auxiliary Lanes and Extended Auxiliary Lanes
5	Freeway Lane Drops and Route Splits
6	Lane Drops at Intersections
7	Dotted Lines for Freeway Double Acceleration Lanes
8	Dotted Lines for Freeway Double Deceleration Lanes
9	Major Diverge or Route Split with Option Lane

GENERAL NOTES:

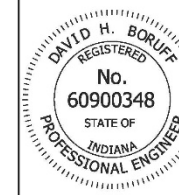
1. The dotted line details for freeways shall also apply to collector distributor roads that are part of a freeway.
2. The dotted line details shall also apply to interchanges on the state highway system.

INDIANA DEPARTMENT OF TRANSPORTATION

DOTTED LINE MARKINGS
INDEX AND GENERAL NOTES

SEPTEMBER 2023

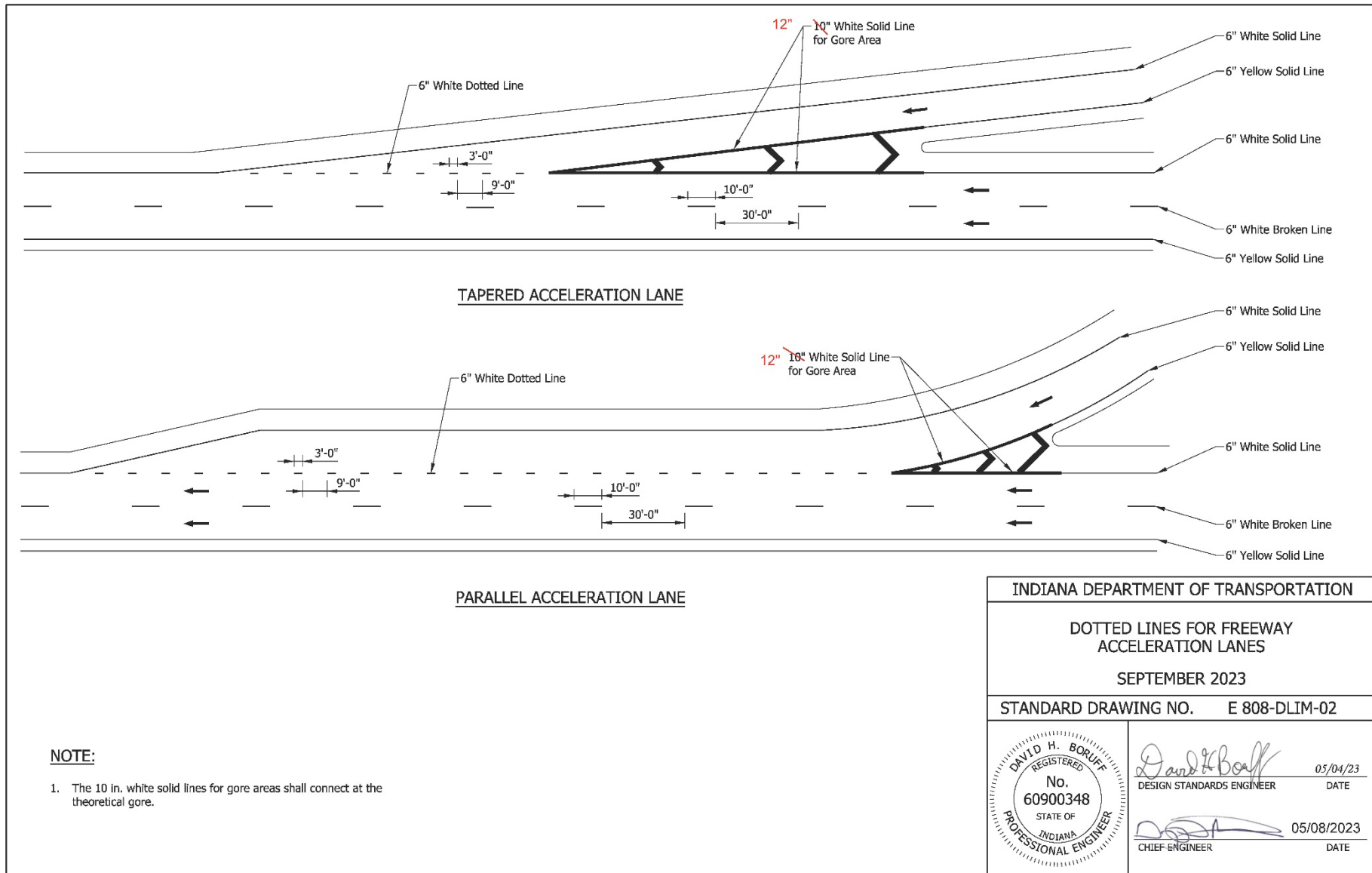
STANDARD DRAWING NO. E 808-DLIM-01



<i>David H. Boruff</i>	05/04/23
DESIGN STANDARDS ENGINEER	DATE
<i>[Signature]</i>	05/08/2023
CHIEF ENGINEER	DATE

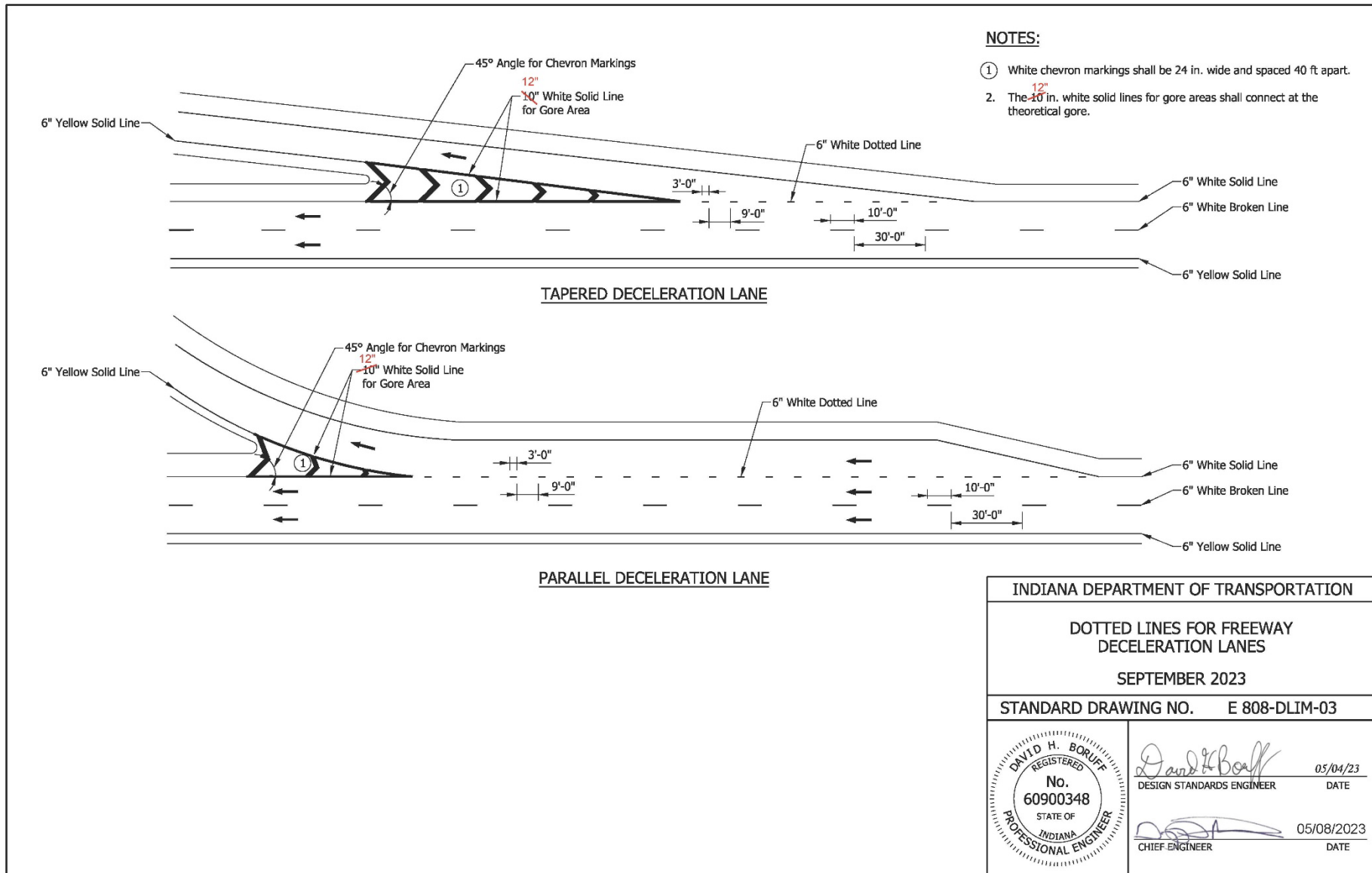
REVISION TO STANDARD SPECIFICATIONS AND STANDARD DRAWINGS

E 808-DLIM-02 Dotted Lines for Freeway Acceleration Lanes (shown markups)



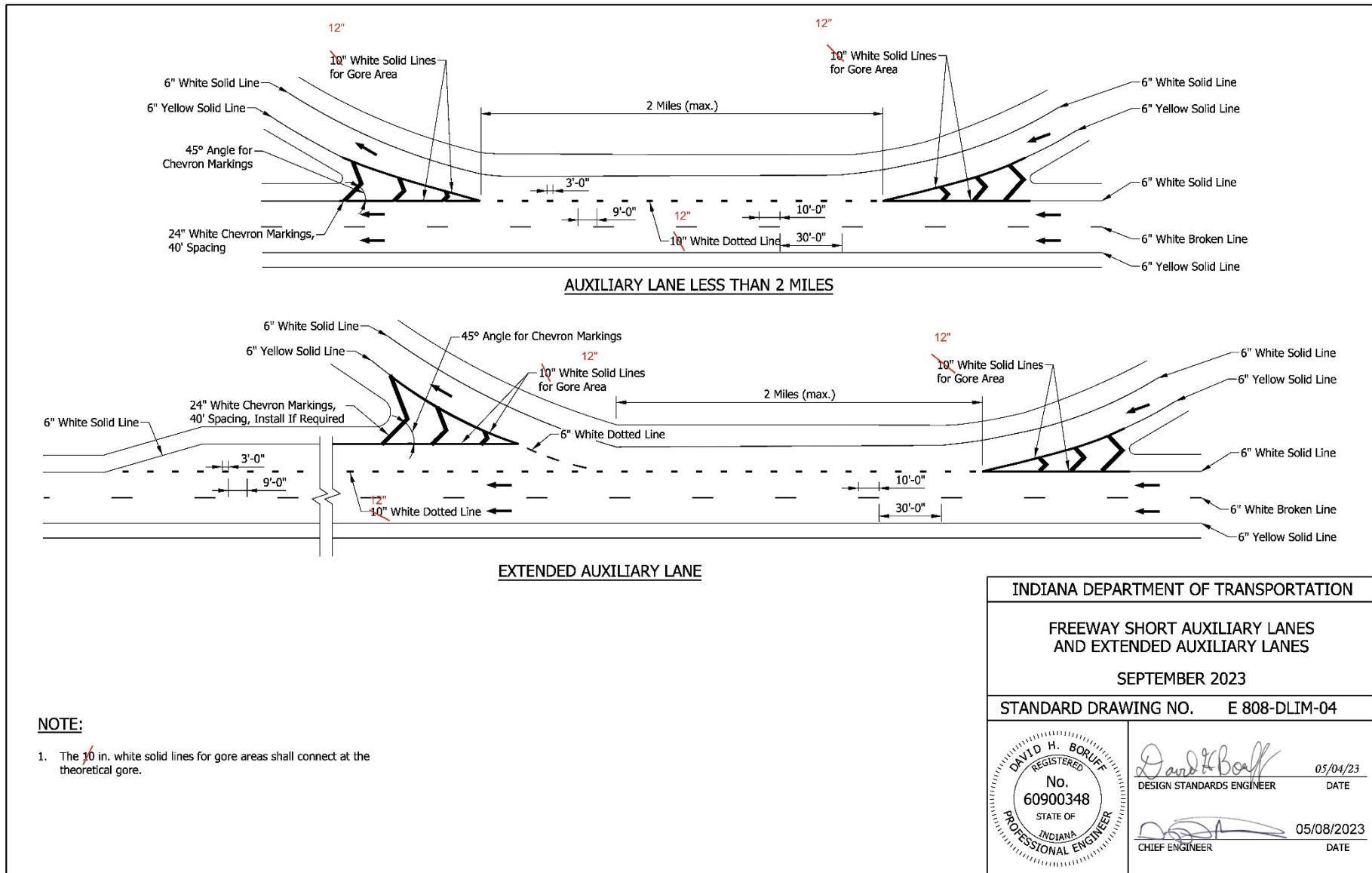
REVISION TO STANDARD SPECIFICATIONS AND STANDARD DRAWINGS

E 808-DLIM-03 Dotted Lines for Freeway Deceleration Lanes (shown markups)



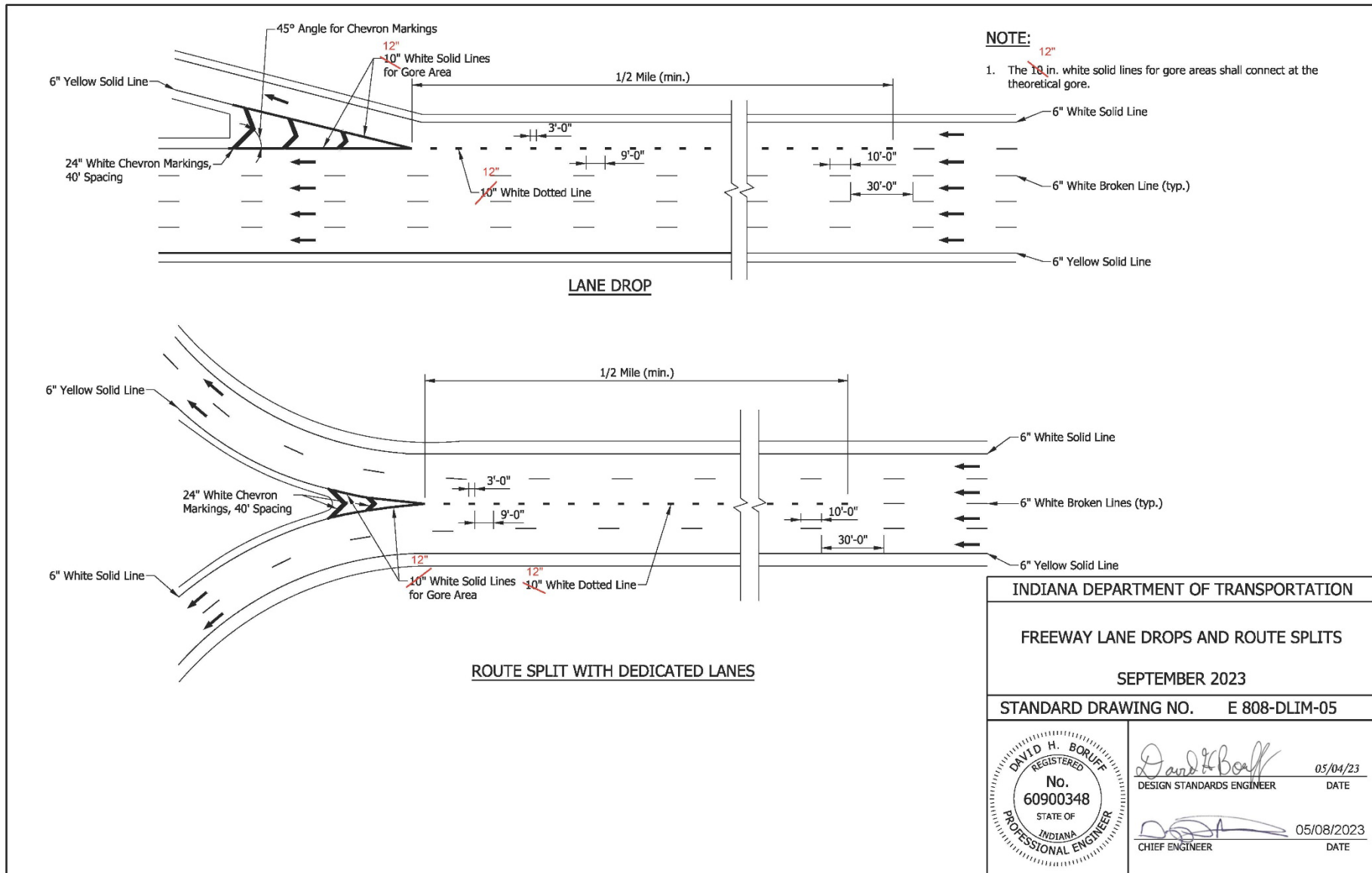
REVISION TO STANDARD SPECIFICATIONS AND STANDARD DRAWINGS

E 808-DLIM-04 Freeway Short Auxiliary Lanes and Extended Auxiliary Lanes (shown markups)



REVISION TO STANDARD SPECIFICATIONS AND STANDARD DRAWINGS

E 808-DLIM-05 Freeway Lane Drops and Route Splits (shown markups)

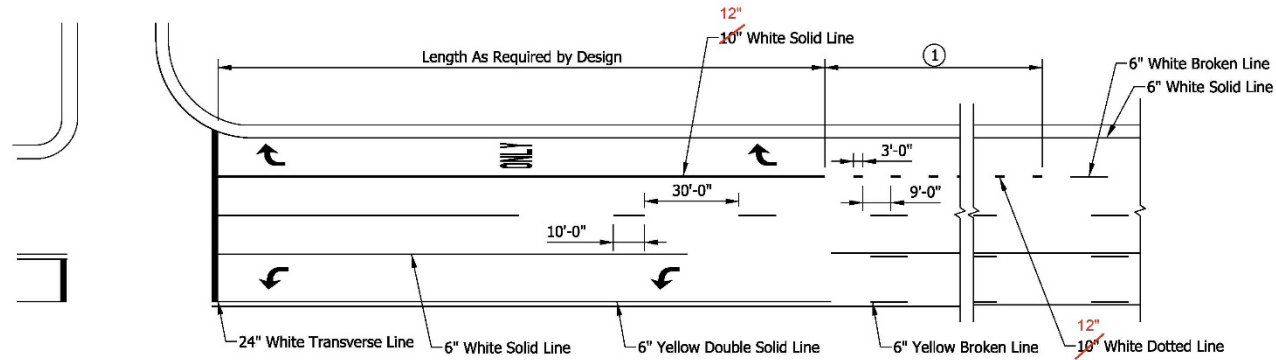
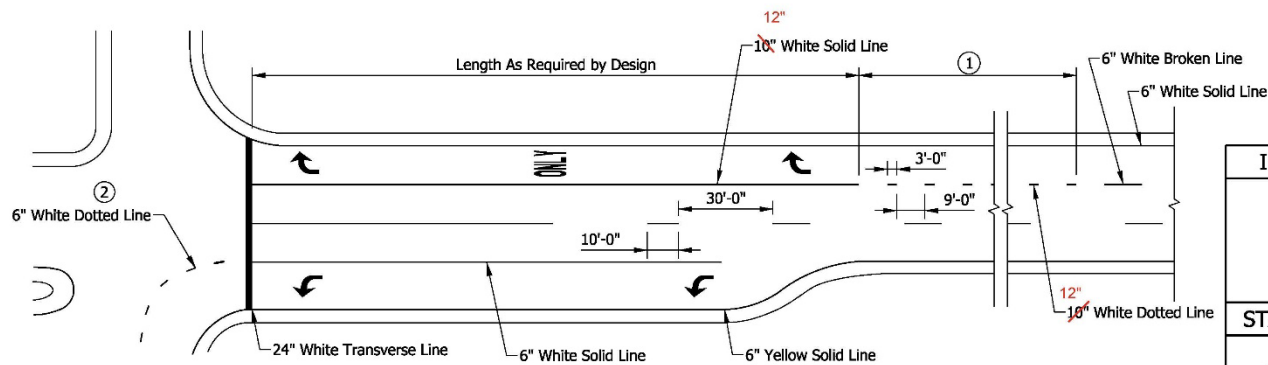


REVISION TO STANDARD SPECIFICATIONS AND STANDARD DRAWINGS

E 808-DLIM-06 Lane Drops at Intersections (shown markups)

NOTES:

- ① The dotted line shall be extended to the lesser of 300 ft or the nearest intersection
- ② 6 in. white dotted lines shall be required at dual turn lanes.

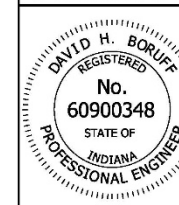
**LANE DROP ON A MULTILANE UNDIVIDED HIGHWAY****LANE DROP ON A MULTILANE DIVIDED HIGHWAY**

INDIANA DEPARTMENT OF TRANSPORTATION

LANE DROPS AT INTERSECTIONS

SEPTEMBER 2023

STANDARD DRAWING NO. E 808-DLIM-06



David H. Boruff
DESIGN STANDARDS ENGINEER

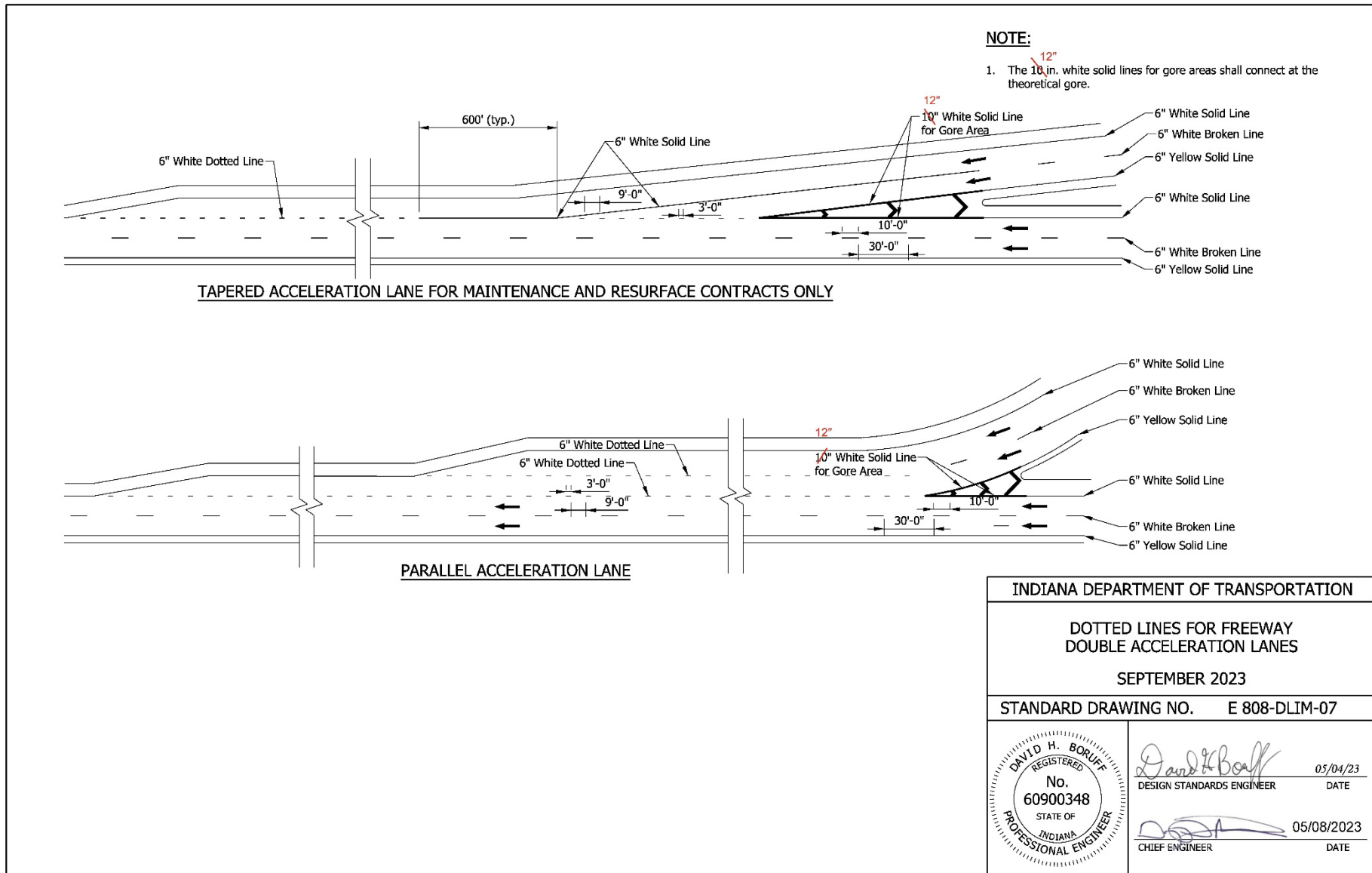
05/04/23
DATE

[Signature]
CHIEF ENGINEER

05/08/2023
DATE

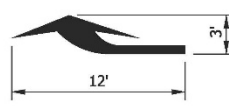
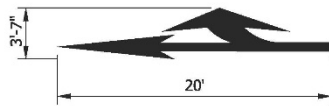
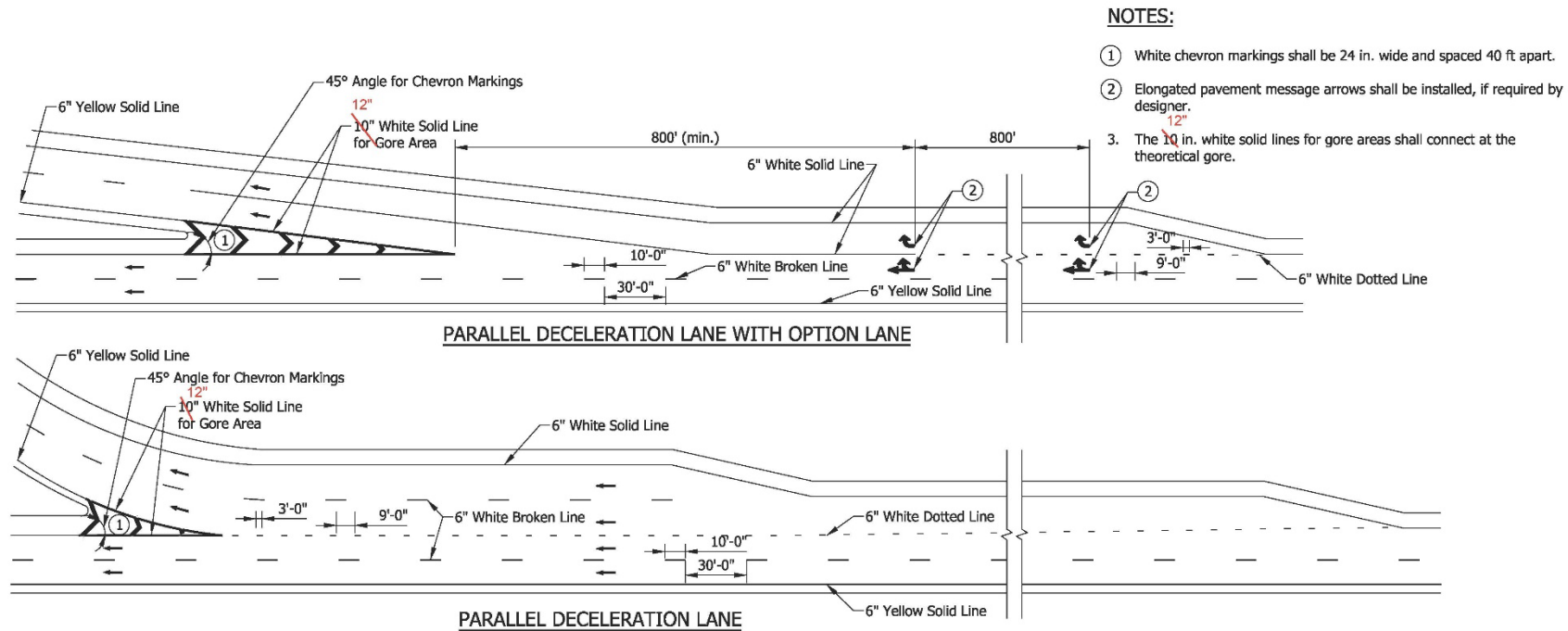
REVISION TO STANDARD SPECIFICATIONS AND STANDARD DRAWINGS

E 808-DLIM-07 Dotted Lines for Freeway Double Acceleration Lanes (shown markups)



REVISION TO STANDARD SPECIFICATIONS AND STANDARD DRAWINGS

E 808-DLIM-08 Dotted Lines for Freeway Double Deceleration Lanes (shown markups)

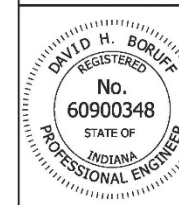


INDIANA DEPARTMENT OF TRANSPORTATION

DOTTED LINES FOR FREEWAY
DOUBLE DECELERATION LANES

SEPTEMBER 2023

STANDARD DRAWING NO. E 808-DLIM-08



David H. Boruff
DESIGN STANDARDS ENGINEER

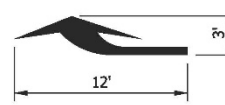
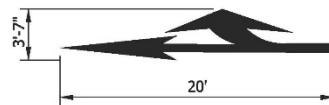
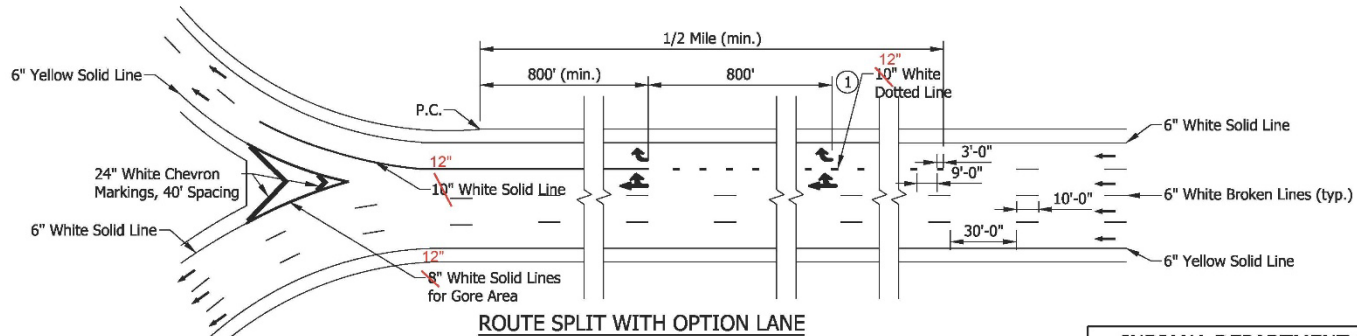
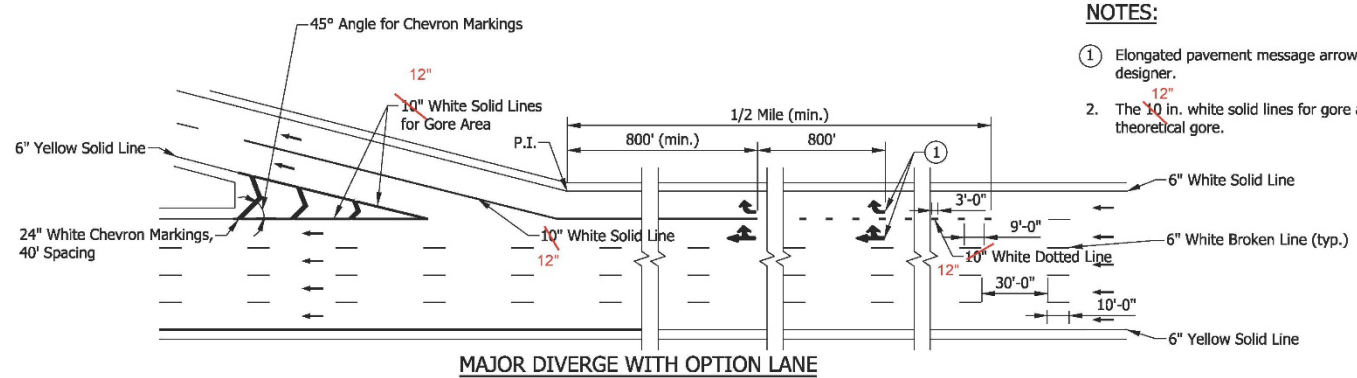
05/04/23
DATE

[Signature]
CHIEF ENGINEER

05/08/2023
DATE

REVISION TO STANDARD SPECIFICATIONS AND STANDARD DRAWINGS

E 808-DLIM-09 Major Diverge or Route Split with Option Lane (shown markups)

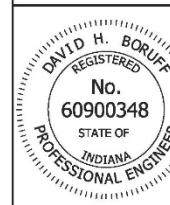


INDIANA DEPARTMENT OF TRANSPORTATION

MAJOR DIVERGE OR ROUTE SPLIT
WITH OPTION LANE

SEPTEMBER 2023

STANDARD DRAWING NO. E 808-DLIM-09



David H. Boruff 05/04/23
DESIGN STANDARDS ENGINEER DATE

[Signature] 05/12/2023
CHIEF ENGINEER DATE

REVISION TO STANDARD SPECIFICATIONS AND STANDARD DRAWINGS

E 808-DLIM-01 Dotted Line Markings, Index and General Notes (proposed draft)

INDEX

SHEET NO.	SUBJECT
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GENERAL NOTES:

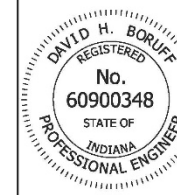
1. The dotted line details for freeways shall also apply to collector distributor roads that are part of a freeway.
2. The dotted line details shall also apply to interchanges on the state highway system.

INDIANA DEPARTMENT OF TRANSPORTATION

DOTTED LINE MARKINGS
INDEX AND GENERAL NOTES

SEPTEMBER 2023

STANDARD DRAWING NO. E 808-DLIM-01

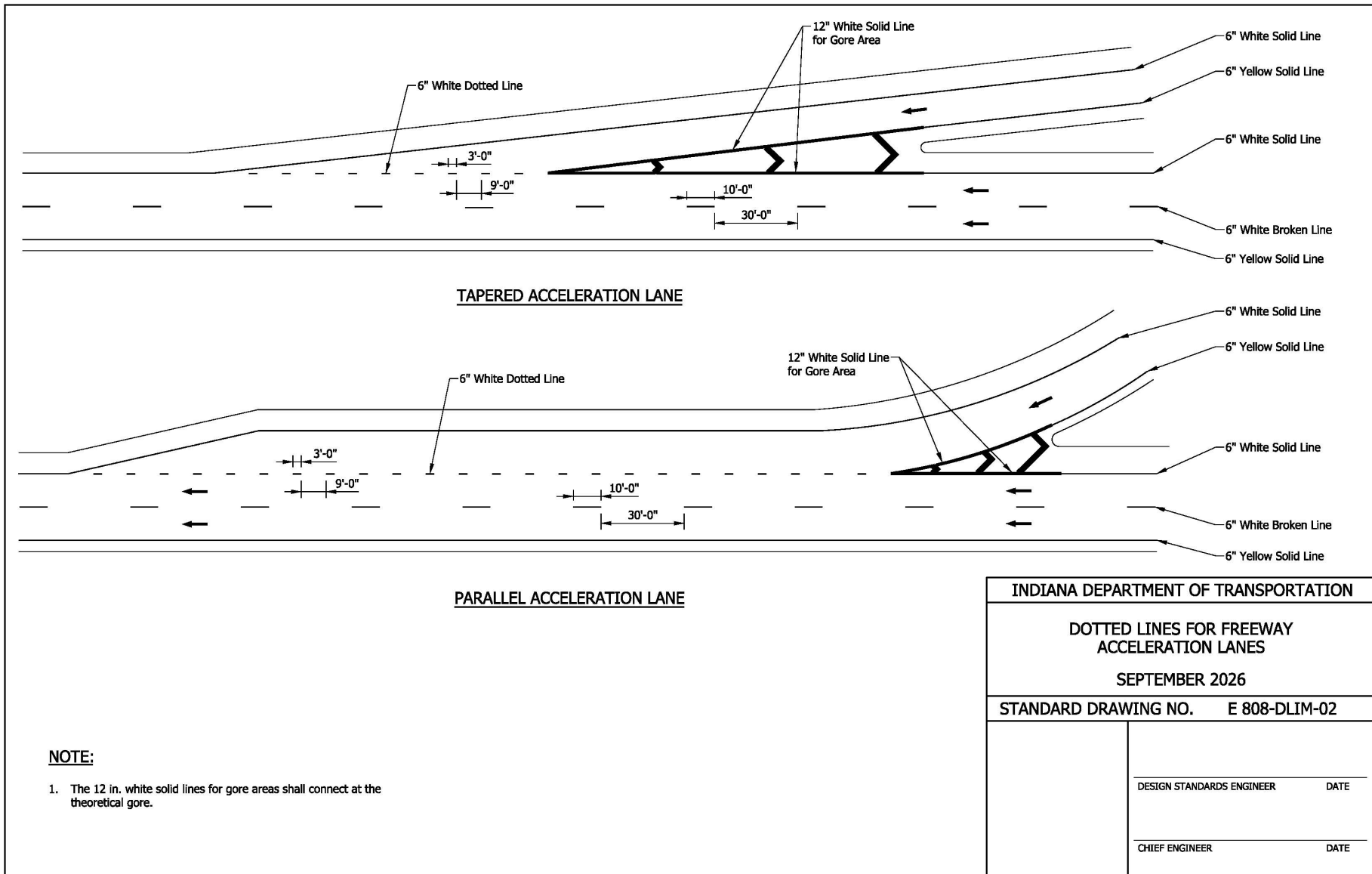


David H. Boruff 05/04/23
DESIGN STANDARDS ENGINEER DATE

[Signature] 05/08/2023
CHIEF ENGINEER DATE

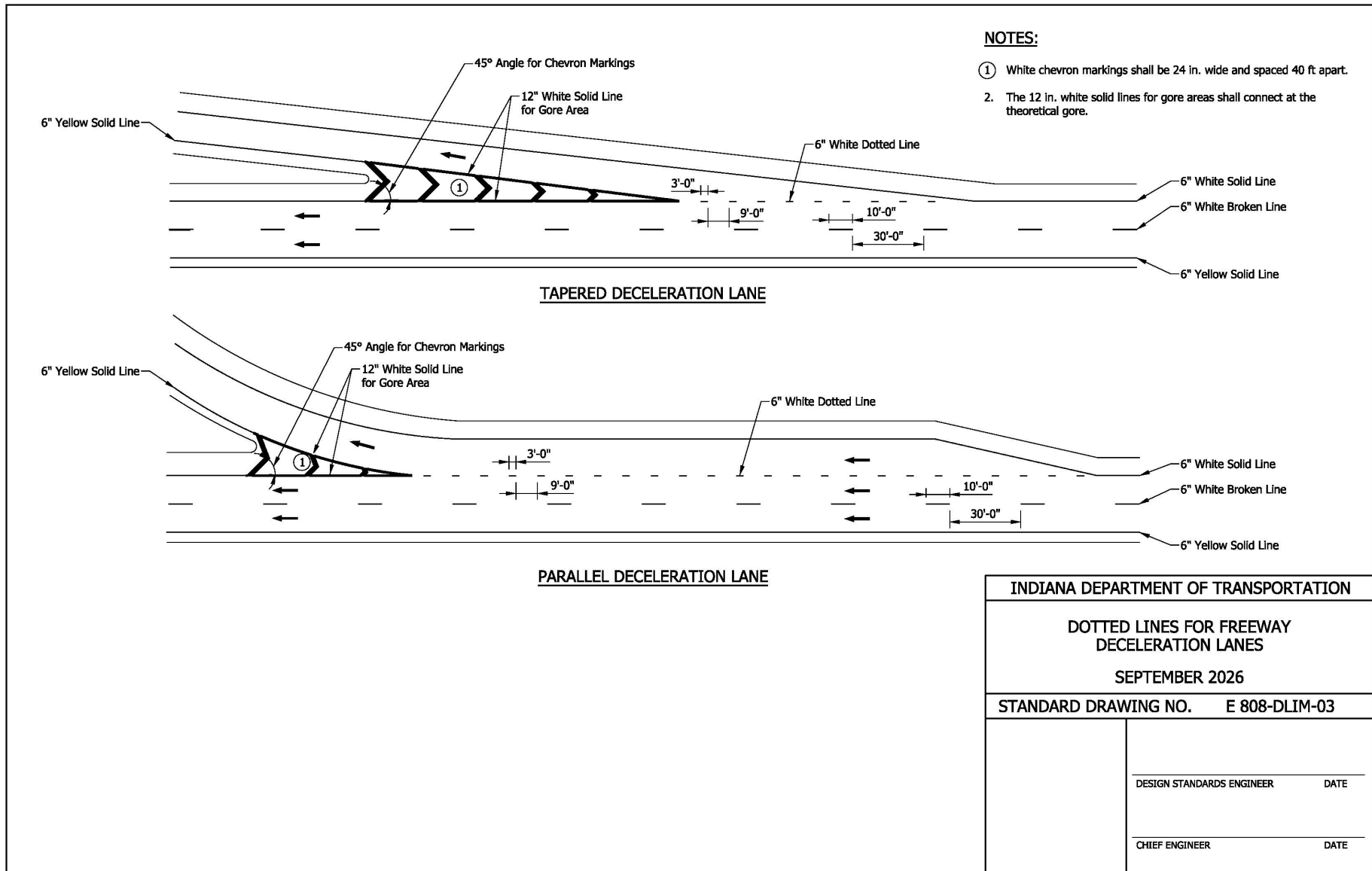
REVISION TO STANDARD SPECIFICATIONS AND STANDARD DRAWINGS

E 808-DLIM-02 Dotted Lines for Freeway Acceleration Lanes (proposed draft)



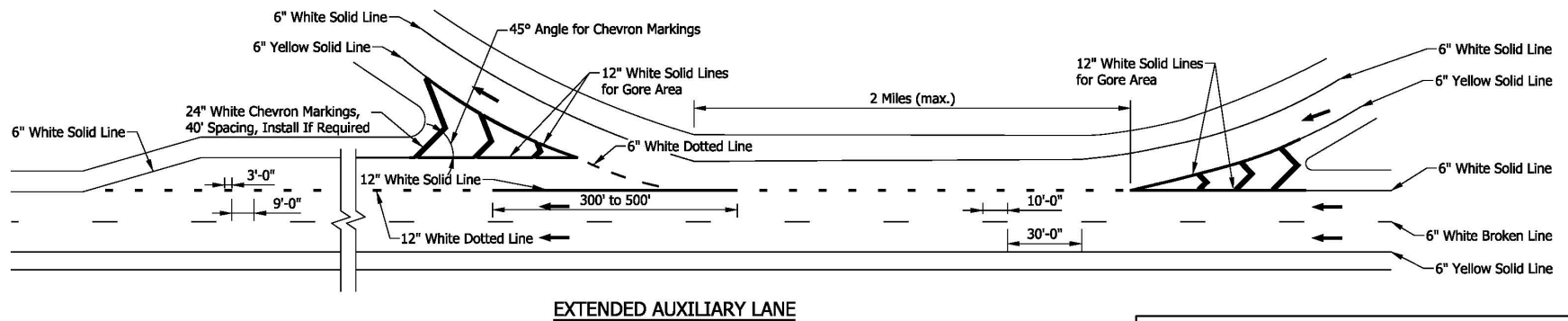
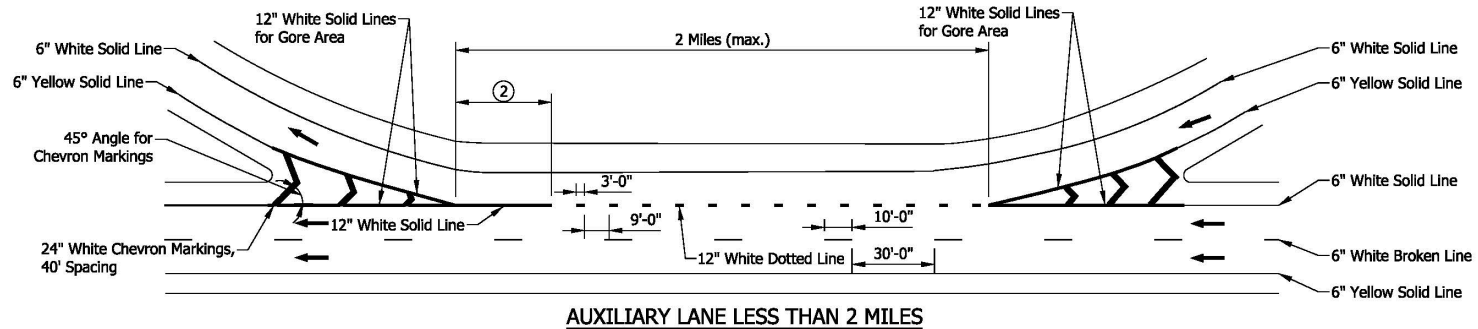
REVISION TO STANDARD SPECIFICATIONS AND STANDARD DRAWINGS

E 808-DLIM-03 Dotted Lines for Freeway Deceleration Lanes (proposed draft)



REVISION TO STANDARD SPECIFICATIONS AND STANDARD DRAWINGS

E 808-DLIM-04 Freeway Short Auxiliary Lanes and Extended Auxiliary Lanes (proposed draft)

**NOTES:**

1. The 12 in. white solid lines for gore areas shall connect at the theoretical gore.
- ② This dimension is typically:
 100 ft if the auxiliary lane is less than a half mile
 300 ft if the auxiliary lane is between a half mile and a mile
 600 ft if the auxiliary lane is greater than a mile but less than two miles.

INDIANA DEPARTMENT OF TRANSPORTATION

FREEWAY SHORT AUXILIARY LANES
AND EXTENDED AUXILIARY LANES

SEPTEMBER 2026

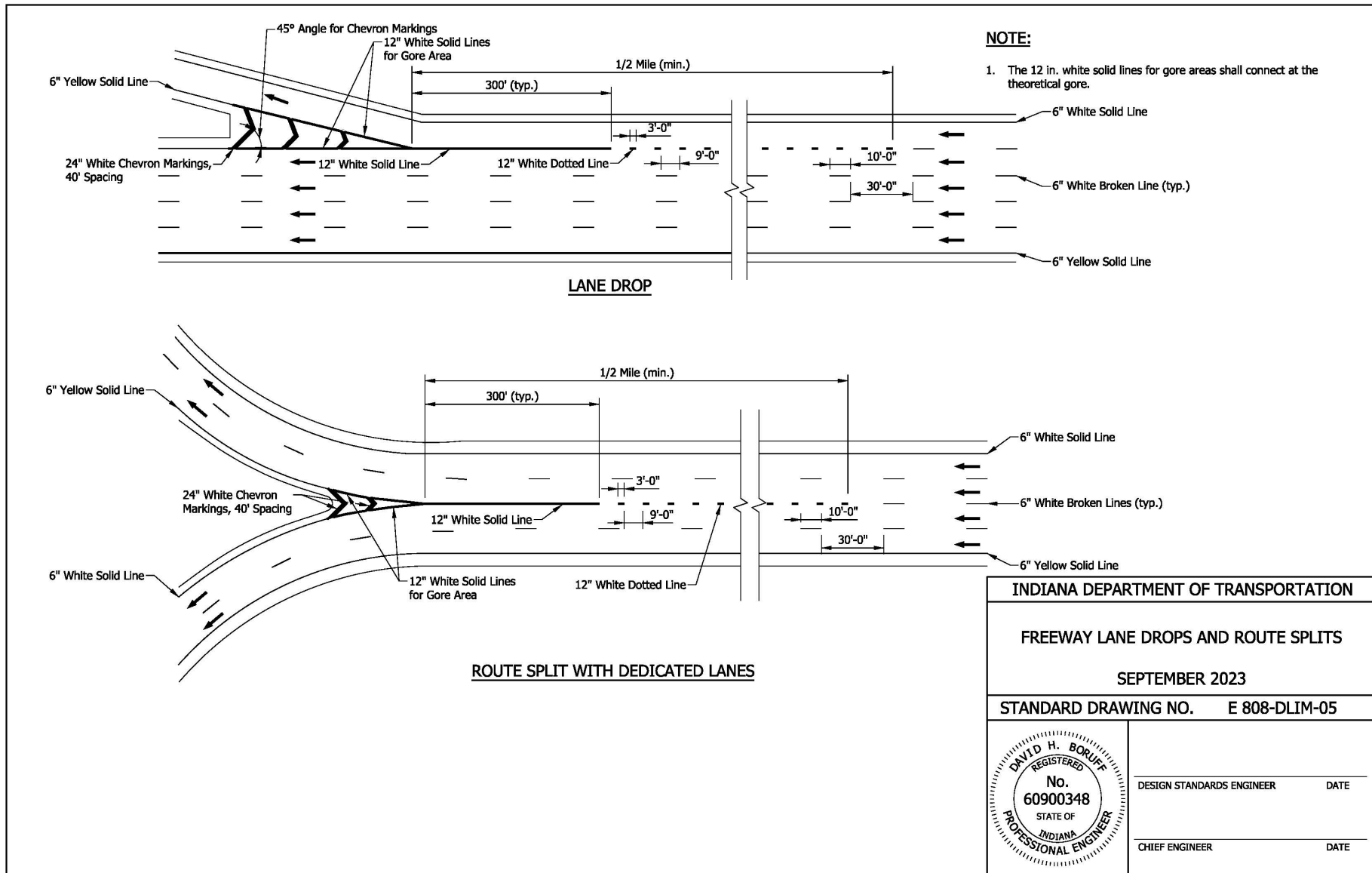
STANDARD DRAWING NO. E 808-DLIM-04

DESIGN STANDARDS ENGINEER DATE

CHIEF ENGINEER DATE

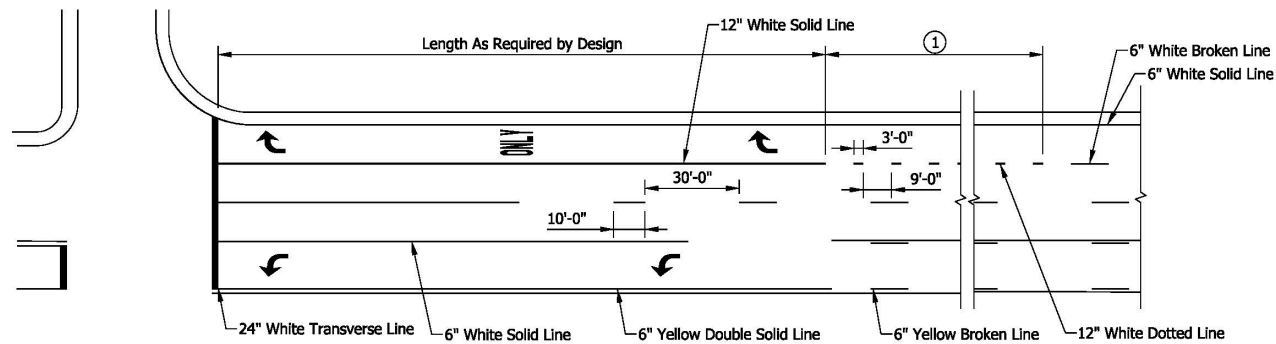
REVISION TO STANDARD SPECIFICATIONS AND STANDARD DRAWINGS

E 808-DLIM-05 Freeway Lane Drops and Route Splits (proposed draft)

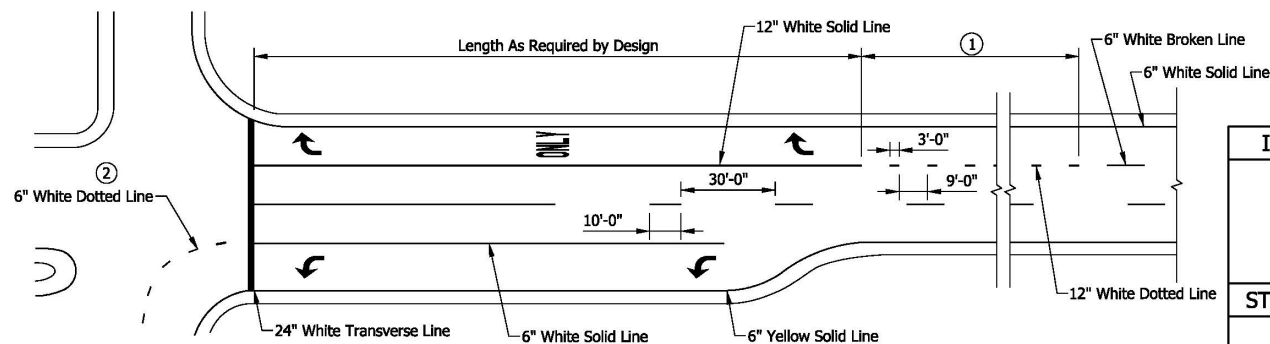


REVISION TO STANDARD SPECIFICATIONS AND STANDARD DRAWINGS

E 808-DLIM-06 Lane Drops at Intersections (proposed draft)



LANE DROP ON A MULTILANE UNDIVIDED HIGHWAY



LANE DROP ON A MULTILANE DIVIDED HIGHWAY

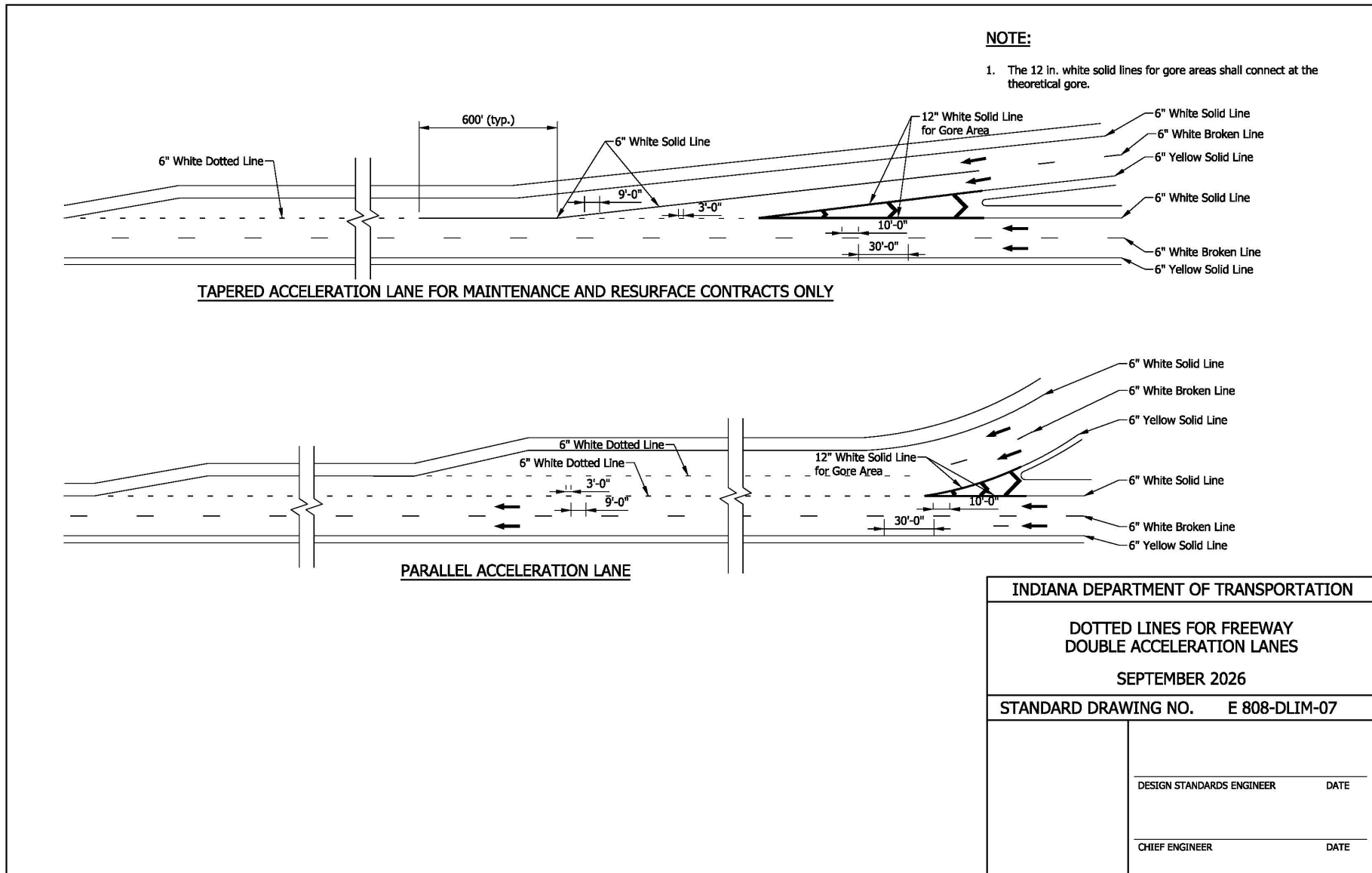
NOTES:

- ① The dotted line shall be extended to the lesser of 300 ft or the nearest intersection
- ② 6 in. white dotted lines shall be required at dual turn lanes.

INDIANA DEPARTMENT OF TRANSPORTATION	
LANE DROPS AT INTERSECTIONS	
SEPTEMBER 2023	
ne STANDARD DRAWING NO. E 808-DLIM-06	
	DESIGN STANDARDS ENGINEER DATE
	CHIEF ENGINEER DATE

REVISION TO STANDARD SPECIFICATIONS AND STANDARD DRAWINGS

E 808-DLIM-07 Dotted Lines for Freeway Double Acceleration Lanes (proposed draft)

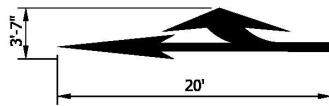
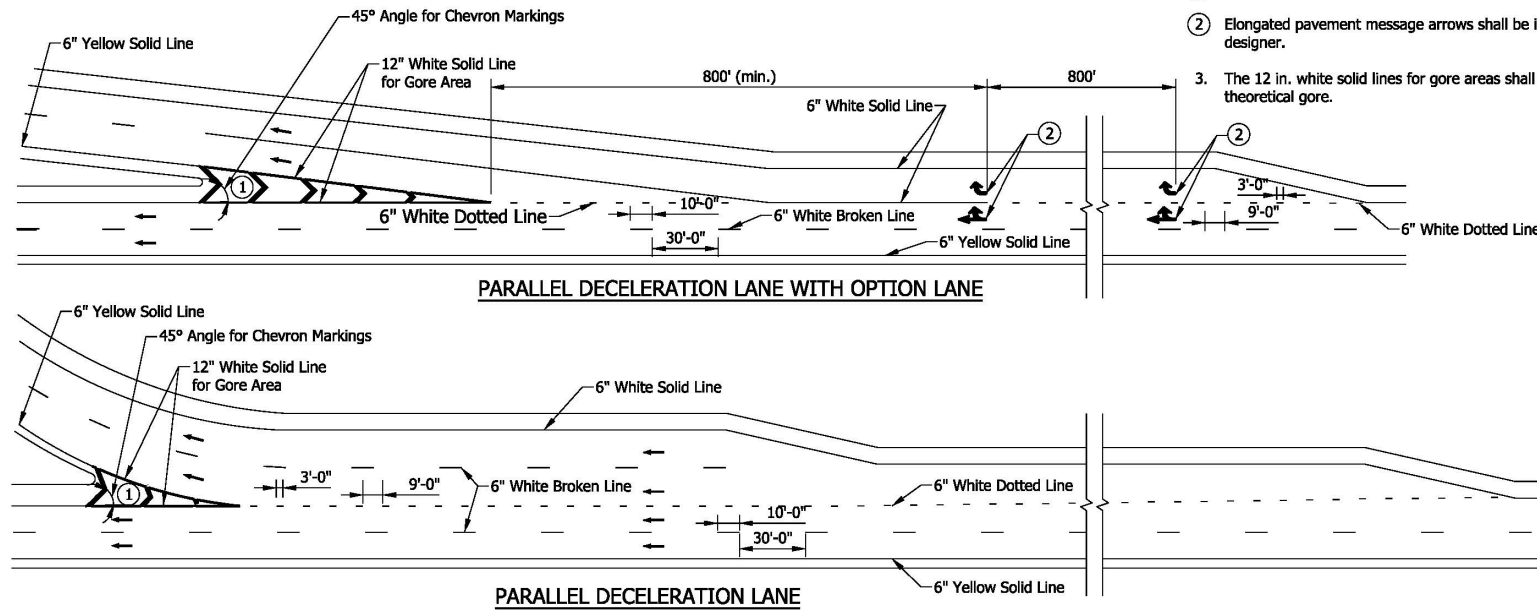
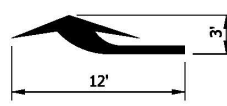


REVISION TO STANDARD SPECIFICATIONS AND STANDARD DRAWINGS

E 808-DLIM-08 Dotted Lines for Freeway Double Deceleration Lanes (proposed draft)

NOTES:

- ① White chevron markings shall be 24 in. wide and spaced 40 ft apart.
- ② Elongated pavement message arrows shall be installed, if required by designer.
3. The 12 in. white solid lines for gore areas shall connect at the theoretical gore.

**COMBO ARROW****TURN ARROW****INDIANA DEPARTMENT OF TRANSPORTATION****DOTTED LINES FOR FREEWAY
DOUBLE DECELERATION LANES****SEPTEMBER 2026****STANDARD DRAWING NO. E 808-DLIM-08**

DESIGN STANDARDS ENGINEER

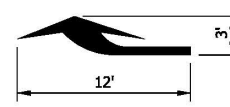
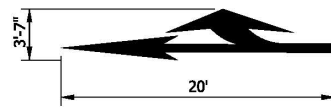
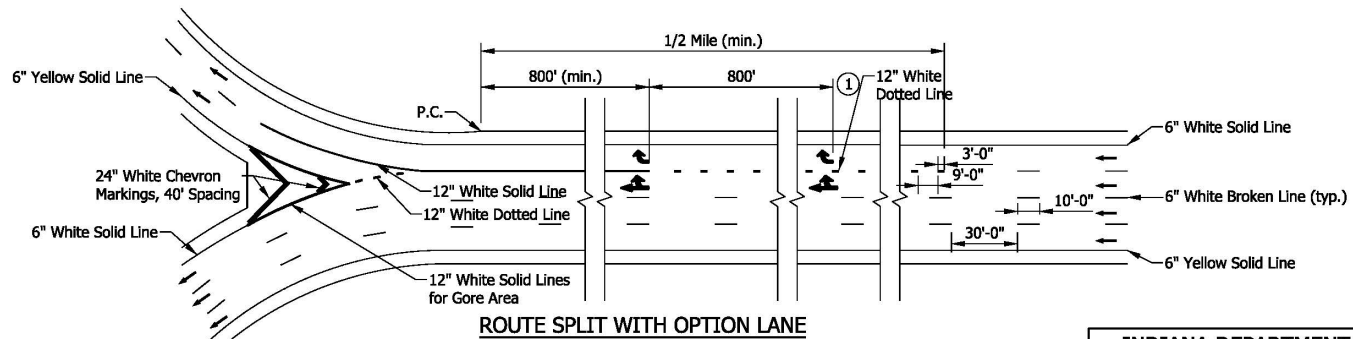
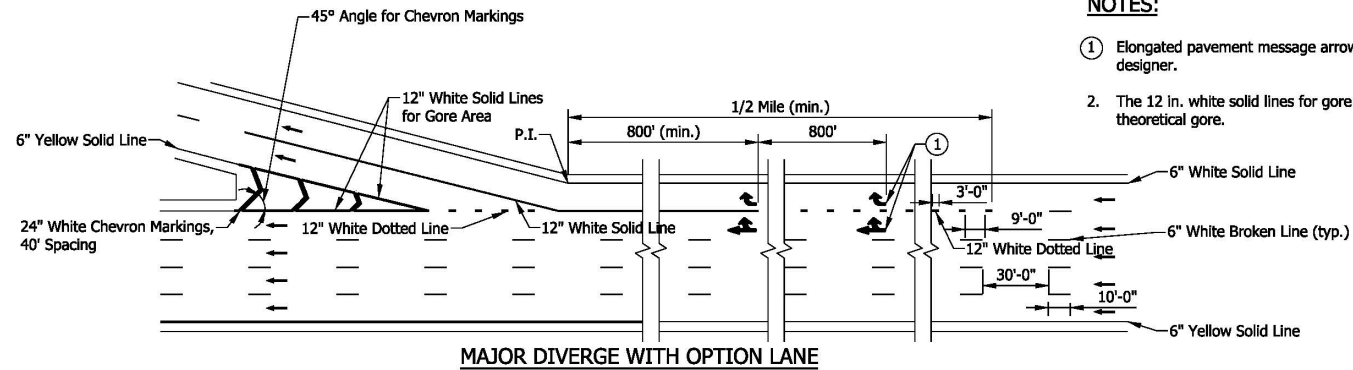
DATE

CHIEF ENGINEER

DATE

REVISION TO STANDARD SPECIFICATIONS AND STANDARD DRAWINGS

E 808-DLIM-09 Major Diverge or Route Split with Option Lane (proposed draft)



INDIANA DEPARTMENT OF TRANSPORTATION

MAJOR DIVERGE OR ROUTE SPLIT
WITH OPTION LANE

SEPTEMBER 2026

STANDARD DRAWING NO. E 808-DLIM-09

DESIGN STANDARDS ENGINEER

DATE

CHIEF ENGINEER

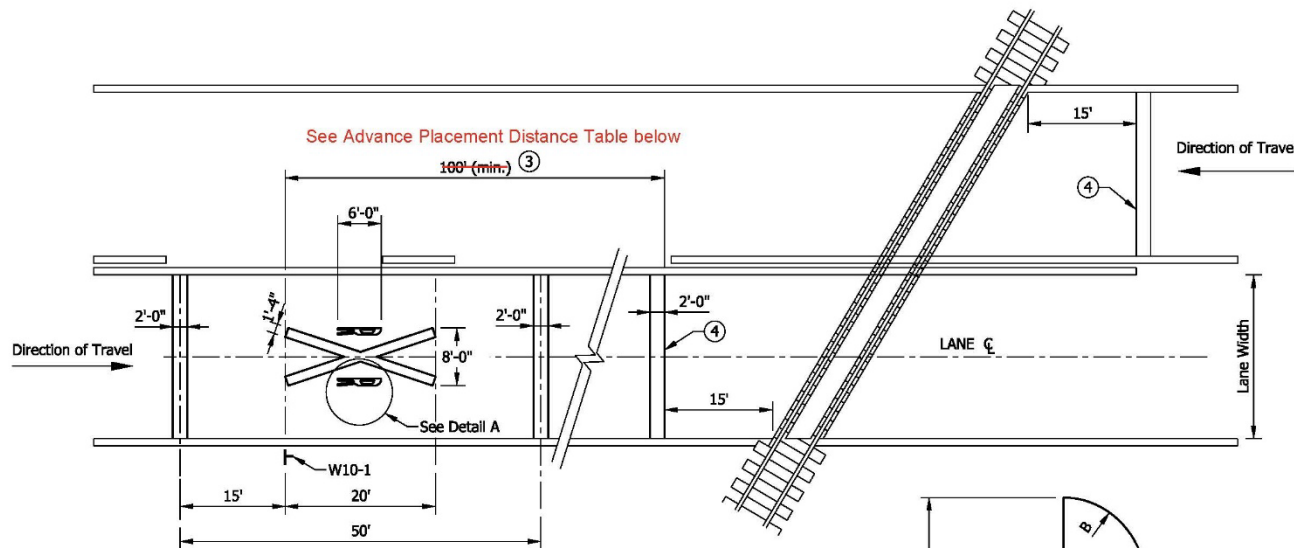
DATE

REVISION TO STANDARD SPECIFICATIONS AND STANDARD DRAWINGS

E 808-MKPM-06 Transverse Markings Railroad Crossings (shown markups)

NOTES:

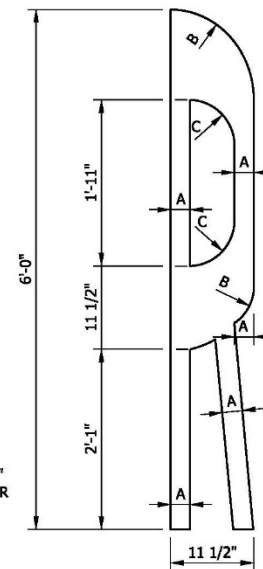
1. For two-way left-turn lanes, the center lane shall be discontinued across the railroad crossing and marked as a flush median or as a one-way left-turn lane.
2. For a multi-lane highway, the transverse lines shall be extended across all approach lanes, and the individual railroad crossing symbols provided in each lane.
- ③ Advance Placement Distance Table is in accordance with the MUTCD.
- ④ Stop line is approximately 8 ft from gate (if present).



ADVANCE PLACEMENT DISTANCE ③	
DESIGN SPEED (MPH)	DISTANCE (FT)
30	100 200
35	100 250
40	125 305
45	175 360
50	250 425
55	325 495
60	400 570

Add advance placement distance for 20 mph (115 ft) and 25 mph (155 ft).

A = 2 3/4"
B = 11 1/2"
C = 5 3/4" R

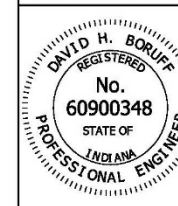
**DETAIL A**

INDIANA DEPARTMENT OF TRANSPORTATION

TRANSVERSE MARKINGS
RAILROAD CROSSINGS

SEPTEMBER 2015

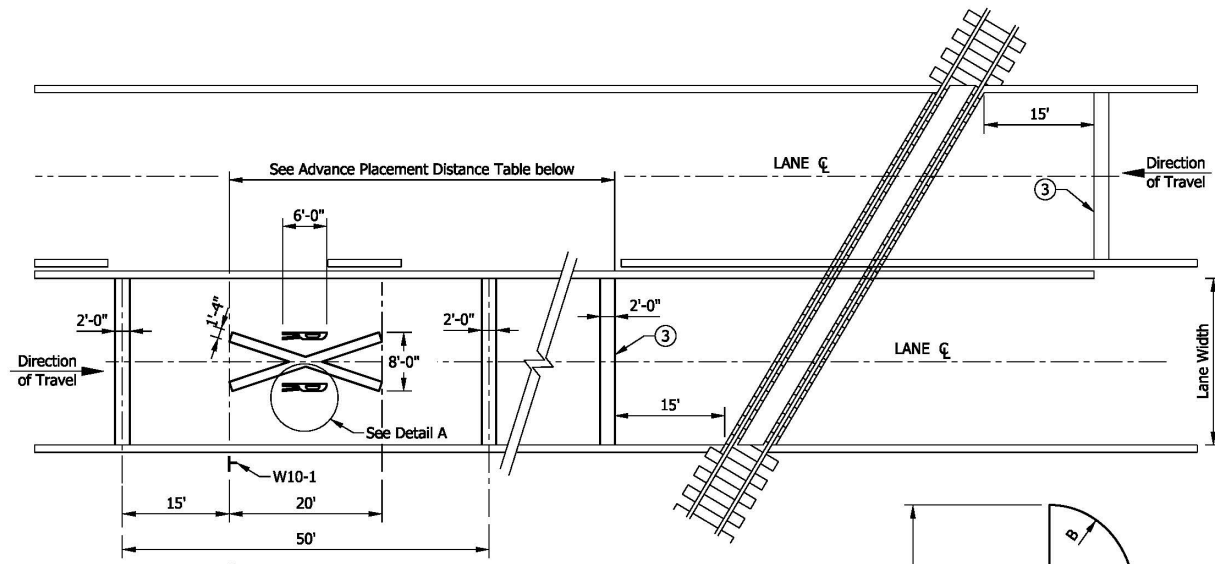
STANDARD DRAWING NO. E 808-MKPM-06



/s/ David H. Boruff 03/04/15
DESIGN STANDARDS ENGINEER DATE

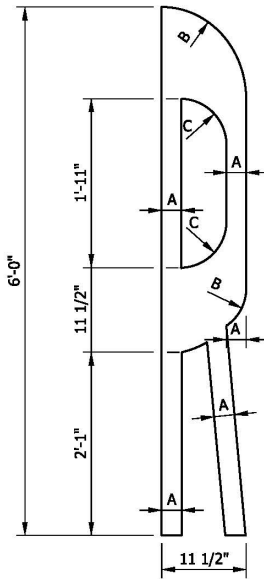
/s/ Mark A. Miller 03/06/15
CHIEF ENGINEER DATE

REVISION TO STANDARD SPECIFICATIONS AND STANDARD DRAWINGS
E 808-MKPM-06 Transverse Markings Railroad Crossings (proposed draft)



ADVANCE PLACEMENT DISTANCE TABLE	
DESIGN SPEED (MPH)	DISTANCE (FT)
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570

A = 2 3/4"
B = 11 1/2"
C = 5 3/4" R



DETAIL A

NOTES:

1. For two-way left-turn lanes, the center lane shall be discontinued across the railroad crossing and marked as a flush median or as a one-way left-turn lane.
2. For a multi-lane highway, the transverse lines shall be extended across all approach lanes, and the individual railroad crossing symbols provided in each lane.
- ③ Stop line shall be placed 8 ft in advance of the crossing gate (if present), but no closer than 15 ft in advance of the nearest rail.

INDIANA DEPARTMENT OF TRANSPORTATION	
TRANSVERSE MARKINGS RAILROAD CROSSINGS	
SEPTEMBER 2026	
STANDARD DRAWING NO. E 808-MKPM-06	
DESIGN STANDARDS ENGINEER	DATE
CHIEF ENGINEER	DATE

COMMENTS AND ACTION

808.04(b) Lane Lines
 E 808-DLIM series
 E 808-MKPM-06 Transverse Markings Railroad Crossings

DISCUSSION:

This item was introduced and presented by Mr. Bruno, sitting in as proxy for Mr. Boruff, who explained that Section 1B.02 of the 11th edition of the MUTCD requires states to update standard drawings to be in substantial conformance with the MUTCD. The 808-DLIM Standard Drawing series needs various minor updates for the current edition of the MUTCD and the table in Standard Drawing 808-MKPM-06 needs to be updated for the current edition of the MUTCD.

Mr. Bruno proposed to update this Standard Drawing series for the current edition of MUTCD. Further detailed explanations were provided by Mr. Bruno.

Mr. Koch stated that it seems Note #3 on sheet E 808-MKPM-06 could be problematic. I believe the Advanced Placement Table was created by INDOT based on the MUTCD. Yet changes could happen that go unnoticed. Should we remain silent and strike note #3 as we do not otherwise note each drawing with 'in accordance with the MUTCD'? Mr. Koch clarified that he is an engineer, not a lawyer.

Mr. Bruno responded that yes, note 3 is problematic and I have no issue with striking note 3 from 808-MKPM-06 as part of this update.

There were no further discussion and this item passed as revised. Ms. Russell said she'll check to see if any pay items will be affected by this revision. The effective dates will be discussed at the next Traffic Standards Subcommittee meeting.

Motion: Mr. Bruno Second: Mr. Orton Ayes: 10 Nays: 0 FHWA Approval: YES	<u>Action:</u> ☐ Passed as Submitted ☒ Passed as Revised ☐ Withdrawn
2026 Standard Specifications Sections: 808, pp. 961 - 979.	☒ 2028 Standard Specifications ☒ Revise Pay Items List
Recurring Special Provisions or Plan Details: NONE	☐ Notification to Designers if change is <u>not</u> addressed by RSP ☒ Create RSP (No. 808-T-248) Effective: September 1, 2026
Standard Drawing affected: E 808-DLIM series and E 808-MKPM-06	☐ Revise RSP (No. __) Effective:
Design Manual Chapter: 502	☒ Standard Drawings E 808-DLIM series and E 808-MKPM-06 Effective: September 1, 2026
GIFE Section: NONE	☐ Create RPD (No. __) Effective:
	☒ GIFE Update ☐ Frequency Manual Update ☐ AWP Update

PROPOSAL TO STANDARDS COMMITTEE

PROBLEM(S) ENCOUNTERED: Section 1B.02 of the 11th edition of the MUTCD requires states to update standard drawings to be in substantial conformance with the MUTCD. RSP 801-R-542 for worksite added penalty signs needs various updates for the current edition of the MUTCD.

PROPOSED SOLUTION: Update RSP 801-R-542 to include current MUTCD content on the worksite added penalty signs.

APPLICABLE STANDARD SPECIFICATIONS: N/A

APPLICABLE STANDARD DRAWING: 801-TCSN series

APPLICABLE DESIGN MANUAL CHAPTER: 503

APPLICABLE SECTION OF GIFE: N/A

APPLICABLE RECURRING SPECIAL PROVISION OR PLAN DETAILS: RSP 801-R-542 and RPD 801-R-247d

PAY ITEMS AFFECTED: N/A

APPLICABLE SUB-COMMITTEE ENDORSEMENT: Reviewed by IMUTCD Steering Committee.

IF APPROVED AS RECURRING SPECIAL PROVISION OR PLAN DETAILS, PROPOSED BASIS FOR USE: N/A

IMPACT ANALYSIS (attach report): Yes

Submitted By: Joe Bruno on behalf of Dave Boruff

Title: Sr. Traffic Engineer

Division: Traffic Engineering Division

E-mail: jbruno@indot.in.gov

Date: 3/20/2026

IMPACT ANALYSIS REPORT CHECKLIST

Explain the business case as to why this item should be presented to the Standards Committee for approval. Answer the following questions with Yes, No or N/A.

Does this item appear in any other specification sections? No

Will approval of this item affect the Qualified Products List (QPL)? No

Will this proposal improve:

Construction costs? No

Construction time? Yes

Customer satisfaction? No

Congestion/travel time? No

Ride quality? No

Will this proposal reduce operational costs or maintenance effort? Yes

Will this item improve safety:

For motorists? Yes

For construction workers? No

Will this proposal improve quality for:

Construction procedures/processes? Yes

Asset preservation? No

Design process? Yes

Will this change provide the contractor more flexibility? No

Will this proposal provide clarification for the Contractor and field personnel? Yes

Can this item improve/reduce the number of potential change orders? Yes

Is this proposal needed for compliance with:

Federal or State regulations? Yes

AASHTO or other design code? No

Is this item editorial? No

Provide any further information as to why this proposal should be placed on the Standards Committee meeting Agenda: N/A

REVISION TO SPECIAL PROVISION and PLAN DETAILS

801-R-542 WORKSITE ADDED PENALTY SIGNS

(Note: Proposed changes shown highlighted gray)

801-R-542 WORKSITE ADDED PENALTY SIGNS

(Revised 05-01-25)

Worksite Added Penalty signs shall be placed as shown on the plans or as directed by the Engineer. The signs shall typically be placed in advance of the first Road ~~Construction~~Work Ahead signs at either end of the project. The actual location and quantity of the signs will be determined by the Engineer in coordination with the Certified Worksite Traffic Supervisor.

The ~~XWR2-Y6-A~~ Worksite Added Penalty sign, 78 in. by 42 in., shall be installed on all projects in all cases not otherwise described below.

The ~~XWR2-Y6~~ Worksite Added Penalty sign, 60 in. by 36 in., shall only be installed on projects in urban areas that have a posted speed limit of 35 MPH or less and also meet one of the following conditions:

1. The existing surfaces outside the edge of pavement make installation of driven posts impractical, or
2. The width of the Right-of-Way outside of the edge of pavement is not sufficient to accommodate the larger ~~XWR2-Y6-A~~, Worksite Added Penalty sign, 78 in. by 42 in.

The ~~XWR2-Y6a-BA~~ Speeding, 48 in. by 24 in., and ~~XWR2-Y6b-BA~~ Reckless Driving signs, 48 in. by 48 in., shall be used in series with each other and shall only be used on projects that meet one of the following conditions:

1. Rural projects where the width of the Right-of-Way outside of the edge of pavement is not sufficient to accommodate the larger ~~XWR2-Y6-A~~ Worksite Added Penalty sign, 78 in. by 42 in., or
2. Contracts using only moving operations where construction signs are set and removed each day to accommodate the changing location of the work.

The ~~XWR2-Y6a-A~~ Speeding, 36 in. by 18 in., and ~~XWR2-Y6b-A~~ Reckless Driving signs, 36 in. by 36 in., shall be used in series with each other and shall only be used on projects in urban area where the width of the Right-of-Way outside of the edge of pavement is not sufficient to accommodate the larger ~~XWR2-Y6a-A~~ and ~~R2-Y6b-A~~ signs-Worksite Added Penalty sign, 78 in. by 42 in.

Worksite Added Penalty, Speeding, Reckless Driving signs will be measured and paid for as Construction Sign, Type A in accordance with 801.17 and 801.18.

REVISION TO SPECIAL PROVISION and PLAN DETAILS

801-T-247d TRAFFIC CONTROL SIGNS

E 801-T-247d RPD 1 of 8	INDEX		Eff. for Letting On or After 03-01-2026
	SHEET NO.	SUBJECT	
	1	Index and General Notes	
	2	Traffic Control Signs	
	3	Traffic Control Signs	
	4	Traffic Control Sign Design Details	
	5	Traffic Control Sign Design Details	
	6	Traffic Control Sign Design Details	
	7	Temporary Panel Sign Post Installation	
	8	Temporary Panel Sign Post Selection and Connection Details	
This sheet replaces Standard Drawing E 801-TCSN-01 GENERAL NOTES: 1. The minimum vertical and horizontal clearances for construction signs shall be as shown on Standard Drawing E 801-TCDV-06. 2. See Standard Drawing E 801-TCDV-09 for U-Channel Steel Post Splice Detail.			
INDIANA DEPARTMENT OF TRANSPORTATION			
INDEX AND GENERAL NOTES			

REVISION TO SPECIAL PROVISION and PLAN DETAILS

801-T-247d TRAFFIC CONTROL SIGNS (shown markups)

E 801-T-247d RPD 2 of 8

②



XW20-1
XW20-1-A

① ②



XW21-8
XW21-8-A

① ③



XW21-Y8b
XW21-Y8b-A



XW2-6b
XW2-6b-A
~~XW2-6b-B~~



XW26-1

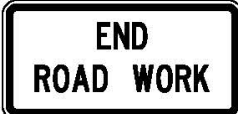


XW2-6a
XW2-6a-A
~~XW2-6a-B~~

Add Worksite Plaque (XG20-5P)



XW2-6
XW2-6-A
~~R Y~~

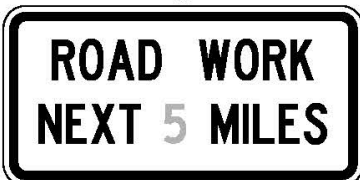


XG20-2



XW3-4S

③



XG20-1

NOTES:

① Sign shall be removed, covered, or turned to face away from the roadway during non-working hours.

② Sign may be ordered to read "500 FT" or "1000 FT" in place of the word "AHEAD". Such signs may be used in place of or in conjunction with the indicated sign.

③ Shaded text indicates message content that must be varied to reflect site conditions.

INDIANA DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SIGNS

Eff. for Letting On or After 03-01-2026

REVISION TO SPECIAL PROVISION and PLAN DETAILS

801-T-247d TRAFFIC CONTROL SIGNS

E 801-T-247d RPD 3 of 8	 ① XW20-YWR(A)	 ① XM4-9d	 E5-1	This sheet replaces Standard Drawing E 801-TCSN-03 NOTE: ① Shaded text indicates message content that must be varied to reflect site conditions.
	 ① XW20-YWR(B)	 ① XM4-9e	 E5-2	
	 ① XW20-YWR(C)	 XW9-7	 E5-2a	
	INDIANA DEPARTMENT OF TRANSPORTATION TRAFFIC CONTROL SIGNS			

Eft. for Letting On or After 03-01-2026

REVISION TO SPECIAL PROVISION and PLAN DETAILS

801-T-247d TRAFFIC CONTROL SIGNS (shown markups)

This sheet replaces Standard Drawing E 801-TCSN-04

NOTES:

- ① Spacing between letters of this word or line shall be reduced by this percentage as shown in the FHWA document, *Standard Highway Signs*.
2. All dimensions are in inches.
3. The minimum depth for wood or steel posts shall be 4 ft.

SIGN NUMBER	IMUTCD CODE	SIGN MESSAGE	POST DESIGN TYPE			SIGN SIZE	SIGN COLOR		BORDER WIDTH	MARGIN WIDTH	LETTER HEIGHT SERIES - LINE 1	LETTER HEIGHT SERIES - LINE 2	LETTER HEIGHT SERIES - LINE 3	WORD OR LINE	PCT.	CORNER RADIUS	NO. OF POSTS	
			4 X 4 WOOD	U-CHANNEL	SQUARE POST		BACKGROUND	COPY									1	2
R2-1	R2-1	Speed Limit	*	A	1	24 X 30	White	Black									X	
R2-1-B	R2-1	Speed Limit	*	B	2	48 X 60	White	Black										X
R3-2-A (R or L)	R3-2	(Movement Prohibition)	*	A	1	30 X 30	White	Black									X	
R3-2-C (R or L)	R3-2	(Movement Prohibition)	*	B	2	48 X 48	White	Black										X
R4-1	R4-1	Do Not Pass	*	A	1	24 X 30	White	Black									X	
R4-1-B	R4-1	Do Not Pass	*	B	2	48 X 60	White	Black										X
R5-1-A	R5-1	Do Not Enter	*	A	1	36 X 36	Red	White									X	
R5-1-B	R5-1	Do Not Enter	*	B	2	48 X 48	Red	White										X
R6-1 (R or L)	R6-1	One Way (Inside White Arrow)	*	A	1	36 X 12	White	Black									X	
R6-2-A (R or L)	R6-2	One Way (Above White Arrow)	*	A	1	24 X 30	Black & White	Black									X	
R9-8	R9-8	Pedestrian Crosswalk	*	A	1	36 X 18	White	Black									X	
R9-9	R9-9	Sidewalk Closed	*	A	1	24 X 12	White	Black									X	
R9-10	R9-10	Sidewalk Closed Use Other Side	*	A	1	24 X 12	White	Black									X	
R9-11	R9-11	Sidewalk Closed Ahead Cross Here	*	A	1	24 X 18	White	Black									X	
R9-11a	R9-11a	Sidewalk Closed Cross Here	*	A	1	24 X 12	White	Black									X	
R9-12	R9-12	Bike Lane Closed	*	A	1	24 X 12	White	Black									X	
R11-2	R11-2	Road Closed	*	B	1	48 X 30	White	Black										X
R11-3	R11-3	Road Closed - Local Traffic Only	*	B	2	60 X 30	White	Black										X
R11-4	R11-4	Road Closed to Thru Traffic	*	B	2	60 X 30	White	Black										X
R12-1	R12-1	Weight Limit ____ Tons	*	A	1	24 X 30	White	Black									X	
R12-1-A	R12-1	Weight Limit ____ Tons	*	B	2	36 X 48	White	Black										X
S4-4	S4-4	When Flashing Plaque	*	-	-	48 X 20	White	Black									-	-
XW1-1-A (R or L)	W1-1	(Turn Symbol)	*	A	1	36 X 36	Orange	Black									X	
XW1-1-B (R or L)	W1-1	(Turn Symbol)	*	B	2	48 X 48	Orange	Black									X	
XW1-2-A (R or L)	W1-2	(Curve Symbol)	*	A	1	36 X 36	Orange	Black									X	
XW1-2-B (R or L)	W1-2	(Curve Symbol)	*	B	2	48 X 48	Orange	Black									X	
XW1-3-A (R or L)	W1-3	(Reverse Turn Symbol)	*	A	1	36 X 36	Orange	Black									X	
XW1-3-B (R or L)	W1-3	(Reverse Turn Symbol)	*	B	2	48 X 48	Orange	Black									X	
XW1-4-A (R or L)	W1-4	(Reverse Curve Symbol)	*	A	1	36 X 36	Orange	Black									X	
XW1-4-B (R or L)	W1-4	(Reverse Curve Symbol)	*	B	2	48 X 48	Orange	Black									X	
XW1-6	W1-6	(Single Headed Arrow)	*	B	1	48 X 24	Orange	Black									X	
XW1-6-A	W1-6	(Single Headed Arrow)	*	B	2	60 X 30	Orange	Black									X	
XW2-6	XW2-6	Worksite Added Penalty	*	B	2	60 X 36	Orange	Black	7/8	5/8	5 - Series C	5 - Series C	5 - Series C	5 - Series C		2 1/4	X	
XW2-6-A	XW2-6	Worksite Added Penalty	*	B	2	78 X 42	Orange	Black	7/8	5/8	6 - Series D	6 - Series D	6 - Series D	6 - Series D		2 1/4	X	
XW2-6a	XW2-6a	Speeding Max \$1000	*	A	1	30 X 30	Orange	Black	3/4	1/2	4 - Series C	4 - Series C				1 7/8	X	
XW2-6a-A	XW2-6a	Speeding Max \$1000	*	A	1	36 X 36	Orange	Black	7/8	5/8	5 - Series C	5 - Series C				2 1/4	X	
XW2-6a-B	XW2-6a	Speeding Max \$1000	*	B	2	48 X 48	Orange	Black	1 1/4	3/4	6 - Series D	6 - Series D				3	X	
XW2-6b	XW2-6b	Reckless Driving Max 6 Yrs	*	A	1	30 X 30	Orange	Black	3/4	1/2	4 - Series C	4 - Series C				1 7/8	X	
XW2-6b-A	XW2-6b	Reckless Driving Max 6 Yrs	*	A	1	36 X 36	Orange	Black	7/8	5/8	5 - Series C	5 - Series C				2 1/4	X	
XW2-6b-B	XW2-6b	Reckless Driving Max 6 Yrs	*	B	2	48 X 48	Orange	Black	1 1/4	3/4	6 - Series D	6 - Series D				3	X	

R Y

R Y

*Wood post permitted.

White

INDIANA DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SIGN DESIGN DETAILS

Eff. for Letting On or After 03-01-2026

REVISION TO SPECIAL PROVISION and PLAN DETAILS

801-T-247d TRAFFIC CONTROL SIGNS

This sheet replaces Standard Drawing E 801-TCSN-05

① ①

NOTES:

- ① Spacing between letters of this word or line shall be reduced by this percentage as shown in the FHWA document, *Standard Highway Signs*.
2. All dimensions are in inches.
3. The minimum depth for wood or steel posts shall be 4 ft.

SIGN NUMBER	IMUTCD CODE	SIGN MESSAGE	POST DESIGN TYPE			SIGN SIZE	SIGN COLOR		BORDER WIDTH	MARGIN WIDTH	LETTER HEIGHT SERIES - LINE 1	LETTER HEIGHT SERIES - LINE 2	LETTER HEIGHT SERIES - LINE 3	WORD OR LINE	PCT.	CORNER RADIUS	NO. OF POSTS	
			4 X 4 WOOD	U-CHANNEL	SQUARE POST		BACKGROUND	COPY									1	2
XW3-4S	-	Overhead Sign Installation	*	B	2	60 x 24	Orange	Black	1/2	3/8	6 - Series C	6 - Series C				1 1/2		X
XW3-5-A	W3-5	(Reduced Speed Limit Ahead)	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW3-5-B	W3-5	(Reduced Speed Limit Ahead)	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW3-5a-A	W3-5	(Reduced Speed Limit Ahead)	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW3-5a-B	W3-5	(Reduced Speed Limit Ahead)	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW4-2 (R or L)	W4-2	(Lane Ends Merge Symbol)	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW4-2-A (R or L)	W4-2	(Lane Ends Merge Symbol)	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW6-2a-A	W6-2	(Divided Highway Ends Symbol)	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW6-2a-B	W6-2	(Divided Highway Ends Symbol)	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW6-3-B	W6-3	(Two Way Traffic Symbol)	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW8-1-A	W8-1	Bump	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW8-1-B	W8-1	Bump	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW8-2-A	W8-2	Dip	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW8-2-B	W8-2	Dip	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW8-3-A	W8-3	Pavement Ends	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW8-4-A	W8-4	Soft Shoulder	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW8-4-B	W8-4	Soft Shoulder	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW8-6-A	W8-6	Truck Crossing	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW8-6-B	W8-6	Truck Crossing	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW9-1-A (R or L)	W9-1	Lane Ends	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW9-1-B (R or L)	W9-1	Lane Ends	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW9-2-B (R or L)	W9-2	Lane Ends Merge	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW9-7	W9-7	Right Lane for Exit Only	6 X 6	-	-	132 X 72	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW12-1-C	W12-1	Double Arrow	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW13-1-A	W13-1	Advisory Speed Plaque	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							-
XW20-1-A	W20-1	Road Work Ahead	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW20-1	W20-1	Road Work Ahead	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW20-2	W20-2	Detour Ahead	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW20-3	W20-3	Road Closed Ahead	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW20-4	W20-4	One Lane Road Ahead	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW20-5 (R, C, or L)	W20-5	Lane Closed Ahead	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW20-7-A	W20-7	Flagger Symbol	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW20-YWR(A)	-	Wide Load Restriction _____ Miles	*	B	2	48 X 48	Orange	Black	1 1/4	3/4	6 - Series D	6 - Series D	6 - Series D				3	X
XW20-YWR(B)	-	Wide Load Over _____ ft Must Exit	*	B	2	48 X 48	Orange	Black	1 1/4	3/4	6 - Series C	6 - Series C	6 - Series C	6 - Series C			3	X
XW20-YWR(C)	-	No Loads Over _____ ft Wide	*	B	2	48 X 48	Orange	Black	1 1/4	3/4	6 - Series D	6 - Series D	6 - Series D	6 - Series D			3	X

*Wood post permitted.

INDIANA DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SIGN DESIGN DETAILS

E 801-T-247d RPD 5 of 8

LIMIT LAYOUT OF ALL SIGNS TO BE 36" X 48"

REVISION TO SPECIAL PROVISION and PLAN DETAILS

801-T-247d TRAFFIC CONTROL SIGNS (shown markups)

This sheet replaces Standard Drawing E 801-TCSN-06

NOTES:

- Spacing between letters of this word or line shall be reduced by the percentage shown in the FHWA document, *Standard Highway Signs*.
- All dimensions are in inches.
- The minimum depth for wood or steel posts shall be 4 ft.

SIGN NUMBER	MUTCD CODE	SIGN MESSAGE	POST DESIGN TYPE			SIGN SIZE	SIGN COLOR BACKGROUND	COPY	BORDER WIDTH	MARGIN WIDTH	LETTER HEIGHT SERIES - LINE 1	LETTER HEIGHT SERIES - LINE 2	LETTER HEIGHT SERIES - LINE 3	WORD OR LINE	PCT.	CORNER RADIUS	NO. OF POSTS		
			4 X 4 WOOD	U-CHANNEL	SQUARE POST												1	2	
XW21-1-A	W21-1	Workers Symbol	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details								X
XW21-2	W21-2	Fresh Oil	*	A	1	30 X 30	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X	
XW21-2-A	W21-2	Fresh Oil	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details								X
XW21-3-A	W21-3	Road Machinery Ahead	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details								X
XW21-5-A	W21-5	Shoulder Work	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details								X
XW21-6-A	W21-6	Survey Crew	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details								X
XW21-7	W21-7	Utility Work Ahead	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details								X
XW21-7-A	W21-7	Utility Work Ahead	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details								X
XW21-Y8b	-	Mowing Next X Miles	*	A	1	36 X 36	Orange	Black	3/4	1/2	6 - Series C	6 - Series C	6 - Series C			2 1/4		X	
XW21-Y8b-A	-	Mowing Next X Miles	*	B	2	48 X 48	Orange	Black	1 1/4	3/4	8 - Series C	8 - Series C	8 - Series C			3		X	
XW21-8	W21-8	Mowing Ahead	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details								X
XW21-8-A	W21-8	Mowing Ahead	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details								X
XW26-1	W26-1	Watch for Stopped Traffic	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details								X
XG20-1	G20-1	Road Work Next Miles	*	B	1	48 X 24	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details								X
XG20-2	G20-2	End Road Work	*	B	1	48 X 24	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details								X
XG20-4	G20-4	Pilot Car Follow Me	-	-	-	36 X 18	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							-	-
XG20-5	-	(Route Number or Lane Closed On or After _____)	*	B	2	60 X 36	Orange	Black	3/4	1/2	6 - Series C	6 - Series C	6 - Series C			2 1/4		X	
XG20-5P	XG20-5P	Worksite Plaque	-	-	-	48 X 16	Orange	Black	1/2	3/8	8 - Series C					1 1/2	-	-	
XW20-6	-	Lane Restrictions On or After _____	*	B	2	60 X 36	Orange	Black	3/4	1/2	5 - Series C	5 - Series C	4 - Series C			1 7/8		X	
XW20-6A	-	Lane Restrictions On or After _____	*	B	2	72 X 36	Orange	Black	7/8	5/8	6 - Series C	6 - Series C	5 - Series C			2 1/4		X	
XM4-9 (R or L)	M4-9	Detour (Above Black Arrow)	*	A	1	30 X 24	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X	
XM4-9-B (R or L)	M4-9	Detour (Above Black Arrow)	*	B	2	48 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details								X
M4-Y9	-	Temporary Path with Arrow	*	A	1	24 X 12	Orange	Black	5/8	3/8	3 - Series C	3 - Series C (Arrow is 6x4)	2			1 1/2	X		
XM4-Y9d	-	St / Detour Arrow	*	B	2	L X 36	Orange	Black	1/2	3/8	4 - Series C	6 - Series C	6 - Series C	1	30	1 1/2	X (L ≤ 42)	X (L > 42)	
XM4-Y9e	-	St / Direction / Detour Arrow	*	B	2	L X 48	Orange	Black	1/2	3/8	4 - Series C	6 - Series C	6 - Series C	1	30	1 1/2	X (L ≤ 36)	X (L > 36)	
XM4-10 (R or L)	M4-10	Detour (Inside Orange Arrow)	*	B	1	48 X 18	Black & Orange	Black			See FHWA publication Standard Highway Signs for fabrication details								X
E5-2a	-	Exit Closed	*	B	2	48 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details								X
E5-2	-	Exit Open	*	B	2	48 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details								X
E5-1c	E5-Y1c	Exit (Above Arrow)	6x6	B	2	48 X 36	Green	White	1 1/2	0	12 - Series E	18 - Series E	(Arrow is 10-13.4)		6	X			

*Wood post permitted. 60

Add additional worksite plaque sizes XG20-5P-A and XG20-5P-B

INDIANA DEPARTMENT OF TRANSPORTATION

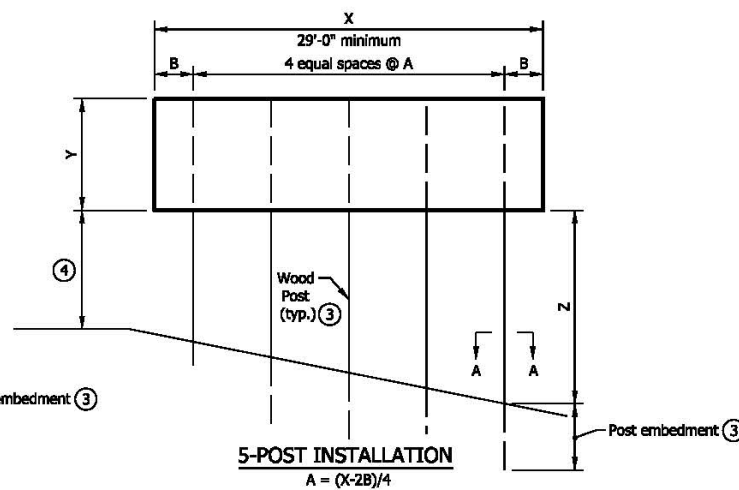
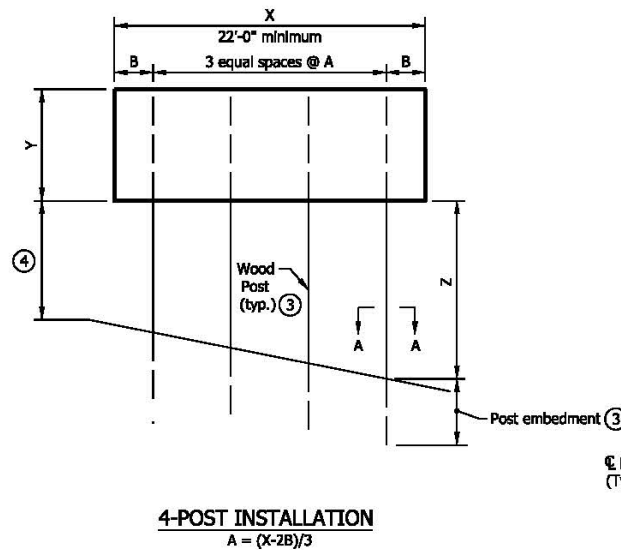
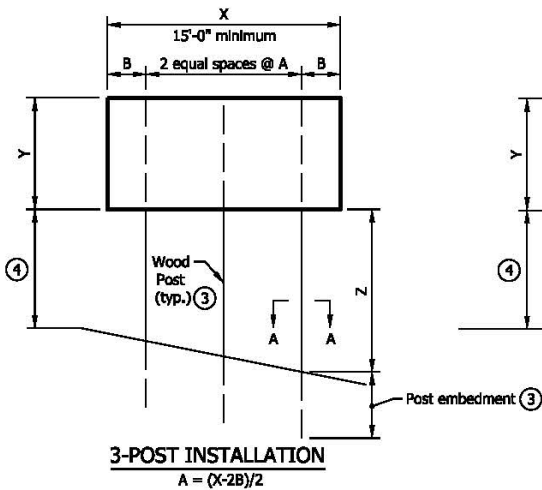
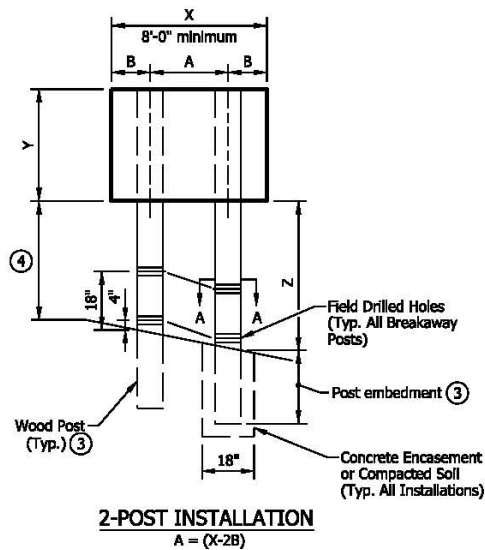
TRAFFIC CONTROL SIGN DESIGN DETAILS

Eff. for Letting On or After 03-01-2026

REVISION TO SPECIAL PROVISION and PLAN DETAILS

801-T-247d TRAFFIC CONTROL SIGNS

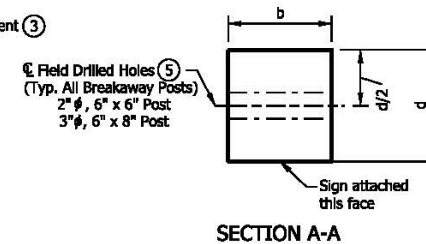
E 801-T-247d RPD 7 of 8



This sheet replaces Standard Drawing E 801-TCSN-07

NOTES:

1. The minimum post spacing (A) shall be 7'-0" and the maximum spacing shall be 15'-0". The minimum overhang width (B) shall be 6 inches and the maximum width shall be A/2.
2. X and Y dimensions shall be in increments of 6 inches. The Z dimension shall be rounded up to the nearest 6 inch increment.
3. For post selection and post embedment depth, see table on Standard Drawing E 801-TCSN-08.
4. The minimum vertical clearance shall be as shown on Standard Drawing E 801-TCDV-06.
5. Field drilled holes through post shall be parallel to sign face.



INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY PANEL SIGN
POST INSTALLATION

Eff. for Letting On or After 03-01-2026

REVISION TO SPECIAL PROVISION and PLAN DETAILS

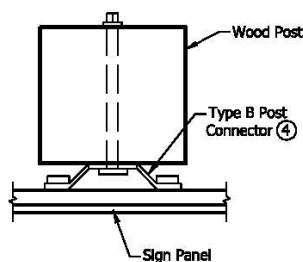
801-T-247d TRAFFIC CONTROL SIGNS

This sheet replaces Standard Drawing E 801-TCSN-08

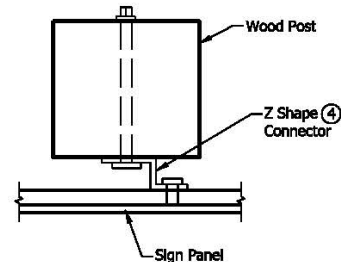
NOTES:

1. Post material shall be dense southern pine select natural.
2. See Standard Drawing E 801-TCSN-07 for X, Y and Z dimensions.
3. The table is valid for dimensions within the following range:
Sign Width (X) between 8'-0" and 45'-0"
Sign Height (Y) between 4'-0" and 20'-0"
Clear Height (Z) between 7'-0" and 15'-0"
- ④ The length of the connector shall be equal to the sign height Y.
- ⑤ Non-breakaway posts shall be placed outside the clearzone or behind barrier or guardrail. The edge of the panel sign adjacent to traffic shall be at least 6 feet from the face of the barrier or guardrail.
- ⑥ At exterior posts, the Angle Connector shall be installed on the outside face of the post.

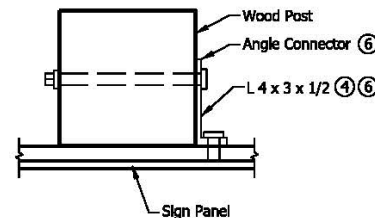
TEMPORARY PANEL SIGN WOOD POST SELECTION TABLE						
Post Description	Nominal Post Size (b x d)	(X * Y * Z) in ft ³ (Maximum)				Post Embedment
		Number of Posts				
		2	3	4	5	ft
Breakaway Post	6" x 6"	363	681	1000	1318	5
	6" x 8"	479	899	1319	1739	6
Non-Breakaway Post ⑤	6" x 6"	389	730	1071	1412	5
	6" x 8"	615	1154	1693	2232	6
	8" x 8"	755	1416	2078	2739	7
	8" x 10"	1007	1941	2848	3754	8
	10" x 10"	1279	2399	3519	4639	9



TYPE B POST CONNECTION



Z SHAPE CONNECTION



ANGLE SHAPE CONNECTION

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY PANEL SIGNS
WOOD POST SELECTION TABLE

E 801-T-247d RPD 8 of 8

Eff. for Letting On or After 03-01-2026

REVISION TO SPECIAL PROVISION and PLAN DETAILS

801-T-247d TRAFFIC CONTROL SIGNS (proposed draft)

This sheet replaces Standard Drawing E 801-TCSN-01

GENERAL NOTES:

1. The minimum vertical and horizontal clearances for construction signs shall be as shown on Standard Drawing E 801-TCDV-06.
2. See Standard Drawing E 801-TCDV-09 for U-Channel Steel Post Splice Detail.

INDEX

SHEET NO.	SUBJECT
1	Index and General Notes
2	Traffic Control Signs
3	Traffic Control Signs
4	Traffic Control Sign Design Details
5	Traffic Control Sign Design Details
6	Traffic Control Sign Design Details
7	Temporary Panel Sign Post Installation
8	Temporary Panel Sign Post Selection and Connection Details

INDIANA DEPARTMENT OF TRANSPORTATION

INDEX AND GENERAL NOTES

E 801-T-247d RPD 1 of 8

Eff. for Letting On or After 12-01-2026

REVISION TO SPECIAL PROVISION and PLAN DETAILS

801-T-247d TRAFFIC CONTROL SIGNS (proposed draft)

This sheet replaces Standard Drawing E 801-TCSN-02

NOTES:

- ① Sign shall be removed, covered, or turned to face away from the roadway during non-working hours.
- ② Sign may be ordered to read "500 FT" or "1000 FT" in place of the word "AHEAD". Such signs may be used in place of or in conjunction with the indicated sign.
- ③ Shaded text indicates message content that must be varied to reflect site conditions.



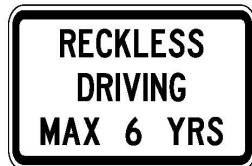
XW20-1
XW20-1-A



XW21-8
XW21-8-A



XW21-Y8b
XW21-Y8b-A



R2-Y6b
R2-Y6b-A



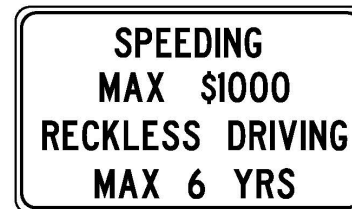
R2-Y6a
R2-Y6a-A



XW26-1



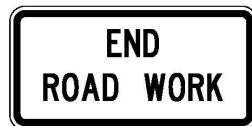
XG20-5P
XG20-5P-A
XG20-5P-B



R2-Y6
R2-6-A



XG20-1



XG20-2



XW3-4S

INDIANA DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SIGNS

E 801-T-247d RPD 2 of 8

Eff. for Letting On or After 12-01-2026

REVISION TO SPECIAL PROVISION and PLAN DETAILS

801-T-247d TRAFFIC CONTROL SIGNS (proposed draft)

This sheet replaces Standard Drawing E 801-TCSN-03

NOTE:

- ① Shaded text indicates message content that must be varied to reflect site conditions.



XW20-YWR(A)



XW20-YWR(B)



XW20-YWR(C)



XM4-9d



XM4-9e



XW9-7



E5-1



E5-2



E5-2a

INDIANA DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SIGNS

E 801-T-247d RPD 3 of 8

Eff. for Letting On or After 12-01-2026

REVISION TO SPECIAL PROVISION and PLAN DETAILS

801-T-247d TRAFFIC CONTROL SIGNS (proposed draft)

This sheet replaces Standard Drawing E 801-TCSN-04

NOTES:

- ① Spacing between letters of this word or line shall be reduced by this percentage as shown in the FHWA document, *Standard Highway Signs*.
2. All dimensions are in inches.
3. The minimum depth for wood or steel posts shall be 4 ft.

SIGN NUMBER	IMUTCD CODE	SIGN MESSAGE	POST DESIGN TYPE			SIGN SIZE	SIGN COLOR		BORDER WIDTH	MARGIN WIDTH	LETTER HEIGHT SERIES - LINE 1	LETTER HEIGHT SERIES - LINE 2	LETTER HEIGHT SERIES - LINE 3	WORD OR LINE	PCT.	CORNER RADIUS	NO. OF POSTS	
			4 X 4 WOOD	U- CHANNEL	SQUARE POST		BACKGROUND	COPY									1	2
R2-1	R2-1	Speed Limit _____	*	A	1	24 X 30	White	Black			See FHWA publication Standard Highway Signs for fabrication details						X	
R2-1-B	R2-1	Speed Limit _____	*	B	2	48 X 60	White	Black			See FHWA publication Standard Highway Signs for fabrication details							X
R2-Y6	R2-Y6	Worksite Added Penalty	*	B	2	60 X 36	White	Black	7/8	5/8	5 - Series C	5 - Series C	5 - Series C	5 - Series C		2 1/4		X
R2-Y6-A	R2-Y6	Worksite Added Penalty	*	B	2	78 X 42	White	Black	7/8	5/8	6 - Series D	6 - Series D	6 - Series D	6 - Series D		2 1/4		X
R2-Y6a	R2-Y6a	Speeding Max \$1000	*	A	1	36 X 18	White	Black	7/8	5/8	5 - Series C	5 - Series C				2 1/4		X
R2-Y6a-A	R2-Y6a	Speeding Max \$1000	*	B	2	48 X 24	White	Black	1 1/4	3/4	6 - Series D	6 - Series D				3		X
R2-Y6b	R2-Y6b	Reckless Driving Max 6 Yrs	*	A	1	36 X 24	White	Black	7/8	5/8	5 - Series C	5 - Series C				2 1/4		X
R2-Y6b-A	R2-Y6b	Reckless Driving Max 6 Yrs	*	B	2	48 X 30	White	Black	1 1/4	3/4	6 - Series D	6 - Series D				3		X
R3-2-A (R or L)	R3-2	(Movement Prohibition)	*	A	1	24 X 24	White	Black			See FHWA publication Standard Highway Signs for fabrication details						X	
R3-2-C (R or L)	R3-2	(Movement Prohibition)	*	B	2	48 X 48	White	Black			See FHWA publication Standard Highway Signs for fabrication details							X
R4-1	R4-1	Do Not Pass	*	A	1	24 X 30	White	Black			See FHWA publication Standard Highway Signs for fabrication details						X	
R4-1-B	R4-1	Do Not Pass	*	B	2	48 X 60	White	Black			See FHWA publication Standard Highway Signs for fabrication details							X
R5-1-A	R5-1	Do Not Enter	*	A	1	36 X 36	Red	White			See FHWA publication Standard Highway Signs for fabrication details							X
R5-1-B	R5-1	Do Not Enter	*	B	2	48 X 48	Red	White			See FHWA publication Standard Highway Signs for fabrication details							X
R6-1 (R or L)	R6-1	One Way (Inside White Arrow)	*	A	1	36 X 12	White	Black			See FHWA publication Standard Highway Signs for fabrication details						X	
R6-2-A (R or L)	R6-2	One Way (Above White Arrow)	*	A	1	24 X 30	Black & White	Black			See FHWA publication Standard Highway Signs for fabrication details						X	
R9-8	R9-8	Pedestrian Crosswalk	*	A	1	36 X 18	White	Black			See FHWA publication Standard Highway Signs for fabrication details						X	
R9-9	R9-9	Sidewalk Closed	*	A	1	24 X 12	White	Black			See FHWA publication Standard Highway Signs for fabrication details						X	
R9-10	R9-10	Sidewalk Closed Use Other Side	*	A	1	24 X 12	White	Black			See FHWA publication Standard Highway Signs for fabrication details						X	
R9-11	R9-11	Sidewalk Closed Ahead Cross Here	*	A	1	24 X 18	White	Black			See FHWA publication Standard Highway Signs for fabrication details						X	
R9-11a	R9-11a	Sidewalk Closed Cross Here	*	A	1	24 X 12	White	Black			See FHWA publication Standard Highway Signs for fabrication details						X	
R9-12	R9-12	Bike Lane Closed	*	A	1	24 X 12	White	Black			See FHWA publication Standard Highway Signs for fabrication details						X	
R11-2	R11-2	Road Closed	*	B	1	48 X 30	White	Black			See FHWA publication Standard Highway Signs for fabrication details							X
R11-3	R11-3	Road Closed - Local Traffic Only	*	B	2	60 X 30	White	Black			See FHWA publication Standard Highway Signs for fabrication details							X
R11-4	R11-4	Road Closed to Thru Traffic	*	B	2	60 X 30	White	Black			See FHWA publication Standard Highway Signs for fabrication details							X
R12-1	R12-1	Weight Limit _____ Tons	*	A	1	24 X 30	White	Black			See FHWA publication Standard Highway Signs for fabrication details						X	
R12-1-A	R12-1	Weight Limit _____ Tons	-	B	2	36 X 48	White	Black			See FHWA publication Standard Highway Signs for fabrication details							X
S4-4P	S4-4	When Flashing Plaque	*	-	-	36 X 18	White	Black			See FHWA publication Standard Highway Signs for fabrication details						-	-
XW1-1-A (R or L)	W1-1	(Turn Symbol)	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW1-1-B (R or L)	W1-1	(Turn Symbol)	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW1-2-A (R or L)	W1-2	(Curve Symbol)	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW1-2-B (R or L)	W1-2	(Curve Symbol)	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW1-3-A (R or L)	W1-3	(Reverse Turn Symbol)	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW1-3-B (R or L)	W1-3	(Reverse Turn Symbol)	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW1-4-A (R or L)	W1-4	(Reverse Curve Symbol)	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW1-4-B (R or L)	W1-4	(Reverse Curve Symbol)	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW1-6	W1-6	(Single Headed Arrow)	*	B	1	48 X 24	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW1-6-A	W1-6	(Single Headed Arrow)	*	B	2	60 X 30	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X

*Wood post permitted.

INDIANA DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SIGN DESIGN DETAILS

Eff. for Letting On or After 12-01-2026

REVISION TO SPECIAL PROVISION and PLAN DETAILS

801-T-247d TRAFFIC CONTROL SIGNS (proposed draft)

This sheet replaces Standard Drawing E 801-TCSN-05

NOTES:

- ① Spacing between letters of this word or line shall be reduced by this percentage as shown in the FHWA document, *Standard Highway Signs*.
2. All dimensions are in inches.
3. The minimum depth for wood or steel posts shall be 4 ft.

SIGN NUMBER	MUTCD CODE	SIGN MESSAGE	POST DESIGN TYPE			SIGN SIZE	SIGN COLOR		BORDER WIDTH	MARGIN WIDTH	LETTER HEIGHT SERIES - LINE 1	LETTER HEIGHT SERIES - LINE 2	LETTER HEIGHT SERIES - LINE 3	WORD OR LINE	PCT.	CORNER RADIUS	NO. OF POSTS	
			4 X 4 WOOD	U-CHANNEL	SQUARE POST		BACKGROUND	COPY									1	2
XW3-4S	-	Overhead Sign Installation	*	B	2	60 x 24	Orange	Black	1/2	3/8	6 - Series C	6 - Series C				1 1/2		X
XW3-5-A	W3-5	(Reduced Speed Limit Ahead)	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW3-5-B	W3-5	(Reduced Speed Limit Ahead)	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW3-5a-A	W3-5	(Reduced Speed Limit Ahead)	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW3-5a-B	W3-5	(Reduced Speed Limit Ahead)	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW4-2 (R or L)	W4-2	(Lane Ends Merge Symbol)	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW4-2-A (R or L)	W4-2	(Lane Ends Merge Symbol)	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW6-2a-A	W6-2	(Divided Highway Ends Symbol)	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW6-2a-B	W6-2	(Divided Highway Ends Symbol)	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW6-3-B	W6-3	(Two Way Traffic Symbol)	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW8-1-A	W8-1	Bump	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW8-1-B	W8-1	Bump	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW8-2-A	W8-2	Dip	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW8-2-B	W8-2	Dip	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW8-3-A	W8-3	Pavement Ends	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW8-4-A	W8-4	Soft Shoulder	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW8-4-B	W8-4	Soft Shoulder	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW8-6-A	W8-6	Truck Crossing	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW8-6-B	W8-6	Truck Crossing	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW9-1-A (R or L)	W9-1	Lane Ends	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW9-1-B (R or L)	W9-1	Lane Ends	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW9-2-B (R or L)	W9-2	Lane Ends Merge	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW9-7	W9-7	Right Lane for Exit Only	6 X 6	-	-	132 X 72	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW12-1-C	W12-1	Double Arrow	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW13-1-A	W13-1	Advisory Speed Plaque	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details						-	-
XW20-1-A	W20-1	Road Work Ahead	*	A	1	36 X 36	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW20-1	W20-1	Road Work Ahead	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW20-2	W20-2	Detour Ahead	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW20-3	W20-3	Road Closed Ahead	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW20-4	W20-4	One Lane Road Ahead	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW20-5 (R, C, or L)	W20-5	Lane Closed Ahead	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW20-7-A	W20-7	Flagger Symbol	*	B	2	48 X 48	Orange	Black			See FHWA publication Standard Highway Signs for fabrication details							X
XW20-YWR(A)	-	Wide Load Restriction Miles	*	B	2	48 X 48	Orange	Black	1 1/4	3/4	6 - Series D	6 - Series D	6 - Series D			3		X
XW20-YWR(B)	-	Wide Load Over ft Must Exit	*	B	2	48 X 48	Orange	Black	1 1/4	3/4	6 - Series C	6 - Series C	6 - Series C	6 - Series C		3		X
XW20-YWR(C)	-	No Loads Over ft Wide	*	B	2	48 X 48	Orange	Black	1 1/4	3/4	6 - Series D	6 - Series D	6 - Series D	6 - Series D		3		X

*Wood post permitted.

INDIANA DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SIGN DESIGN DETAILS

Eff. for Letting On or After 12-01-2026

REVISION TO SPECIAL PROVISION and PLAN DETAILS

801-T-247d TRAFFIC CONTROL SIGNS (proposed draft)

E 801-T-247d RPD 6 of 8

SIGN NUMBER	IMUTCD CODE	SIGN MESSAGE	POST DESIGN TYPE			SIGN SIZE	SIGN COLOR BACKGROUND	COPY	BORDER WIDTH	MARGIN WIDTH	LETTER HEIGHT SERIES - LINE 1	LETTER HEIGHT SERIES - LINE 2	LETTER HEIGHT SERIES - LINE 3	WORD OR LINE	PCT.	CORNER RADIUS	NO. OF POSTS	
			4 X 4 WOOD	U-CHANNEL	SQUARE POST												1	2
XW21-1-A	W21-1	Workers Symbol	*	A	1	36 X 36	Orange	Black										X
XW21-2	W21-2	Fresh Oil	*	A	1	30 X 30	Orange	Black									X	
XW21-2-A	W21-2	Fresh Oil	*	A	1	36 X 36	Orange	Black										X
XW21-3-A	W21-3	Road Machinery Ahead	*	B	2	48 X 48	Orange	Black										X
XW21-5-A	W21-5	Shoulder Work	*	A	1	36 X 36	Orange	Black										X
XW21-6-A	W21-6	Survey Crew	*	A	1	36 X 36	Orange	Black										X
XW21-7	W21-7	Utility Work Ahead	*	A	1	36 X 36	Orange	Black										X
XW21-7-A	W21-7	Utility Work Ahead	*	B	2	48 X 48	Orange	Black										X
XW21-Y8b	-	Mowing Next X Miles	*	A	1	36 X 36	Orange	Black	3/4	1/2	6 - Series C	6 - Series C	6 - Series C			2 1/4		X
XW21-Y8b-A	-	Mowing Next X Miles	*	B	2	48 X 48	Orange	Black	1 1/4	3/4	8 - Series C	8 - Series C	8 - Series C			3		X
XW21-8	W21-8	Mowing Ahead	*	A	1	36 X 36	Orange	Black										X
XW21-8-A	W21-8	Mowing Ahead	*	B	2	48 X 48	Orange	Black										X
XW26-1	W26-1	Watch for Stopped Traffic	*	B	2	48 X 48	Orange	Black										X
XG20-1	G20-1	Road Work Next ___ Miles	*	B	1	48 X 24	Orange	Black										X
XG20-2	G20-2	End Road Work	*	B	1	48 X 24	Orange	Black										X
XG20-4	G20-4	Pilot Car Follow Me	-	-	-	36 X 18	Orange	Black									-	-
XG20-5	-	(Route Number or Lane Closed On or After ___)	*	B	2	60 X 36	Orange	Black	3/4	1/2	6 - Series C	6 - Series C	6 - Series C			2 1/4		X
XG20-5P	XG20-5P	Worksite Plaque	-	-	-	48 X 16	Orange	Black	1/2	3/8	8 - Series C					1 1/2	-	-
XG20-5P-A	XG20-5P	Worksite Plaque	-	-	-	60 X 18	Orange	Black	1/2	3/8	8 - Series D					1 1/2	-	-
XG20-5P-B	XG20-5P	Worksite Plaque	-	-	-	78 X 24	Orange	Black	1/2	3/8	9 - Series E					1 1/2	-	-
XW20-6	-	Lane Restrictions On or After	*	B	2	60 X 36	Orange	Black	3/4	1/2	5 - Series C	5 - Series C	4 - Series C			1 7/8		X
XW20-6A	-	Lane Restrictions On or After	*	B	2	72 X 36	Orange	Black	7/8	5/8	6 - Series C	6 - Series C	5 - Series C			2 1/4		X
XM4-9 (R or L)	M4-9	Detour (Above Black Arrow)	*	A	1	30 X 24	Orange	Black									X	
XM4-9-B (R or L)	M4-9	Detour (Above Black Arrow)	*	B	2	48 X 36	Orange	Black										X
M4-Y9	-	Temporary Path with Arrow	*	A	1	24 X 12	Orange	Black	5/8	3/8	3 - Series C	3 - Series C (Arrow is 6x4)	2			1 1/2	X	
XM4-Y9d	-	St / Detour Arrow	*	B	2	L X 36	Orange	Black	1/2	3/8	4 - Series C	6 - Series C		1	30	1 1/2	X (L ≤ 42)	X (L > 42)
XM4-Y9e	-	St / Direction / Detour Arrow	*	B	2	L X 48	Orange	Black	1/2	3/8	4 - Series C	6 - Series C	6 - Series C	1	30	1 1/2	X (L ≤ 36)	X (L > 36)
XM4-10 (R or L)	M4-10	Detour (Inside Orange Arrow)	*	B	1	48 X 18	Black & Orange	Black										X
E5-2a	-	Exit Closed	*	B	2	48 X 36	Orange	Black										X
E5-2	-	Exit Open	*	B	2	48 X 36	Orange	Black										X
E5-Y1c	E5-1c	Exit (Above Arrow)	6x6	B	2	48 X 60	Green	White	1 1/2	0	12 - Series E		(Arrow is 10-13.4)		6			X

*Wood post permitted.

This sheet replaces Standard Drawing E 801-TCSN-06

NOTES:

- Spacing between letters of this word or line shall be reduced by the percentage shown in the FHWA document, *Standard Highway Signs*.
- All dimensions are in inches.
- The minimum depth for wood or steel posts shall be 4 ft.

INDIANA DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SIGN DESIGN DETAILS

Eff. for Letting On or After 12-01-2026

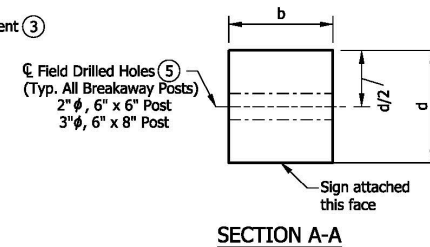
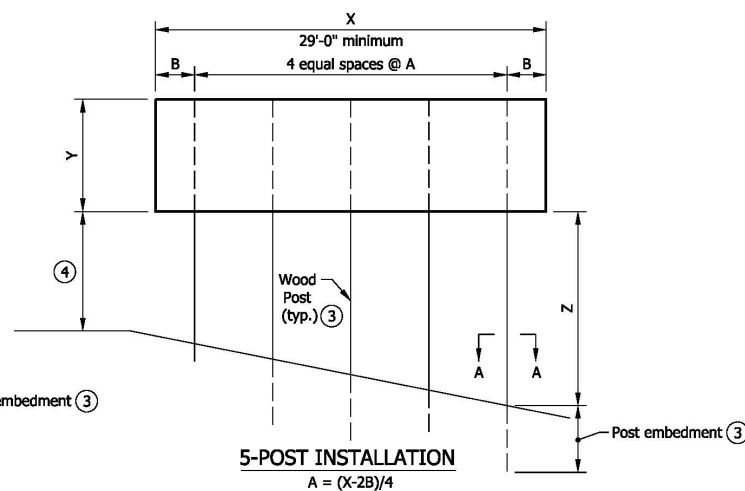
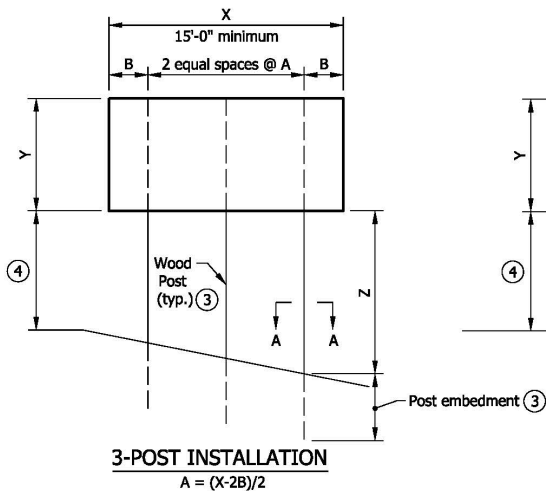
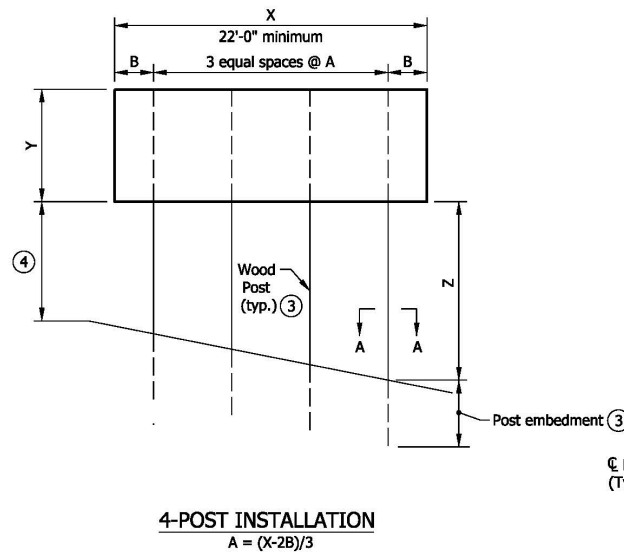
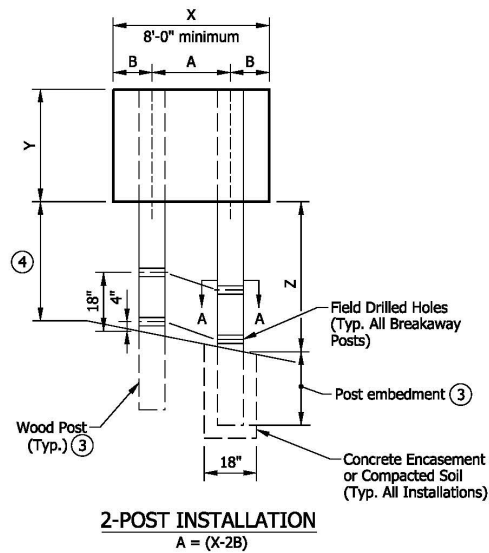
REVISION TO SPECIAL PROVISION and PLAN DETAILS

801-T-247d TRAFFIC CONTROL SIGNS (proposed draft)

This sheet replaces Standard Drawing E 801-TCSN-07

NOTES:

1. The minimum post spacing (A) shall be 7'-0" and the maximum spacing shall be 15'-0". The minimum overhang width (B) shall be 6 inches and the maximum width shall be A/2.
2. X and Y dimensions shall be in increments of 6 inches. The Z dimension shall be rounded up to the nearest 6 inch increment.
3. For post selection and post embedment depth, see table on Standard Drawing E 801-TCSN-08.
4. The minimum vertical clearance shall be as shown on Standard Drawing E 801-TCOV-06.
5. Field drilled holes through post shall be parallel to sign face.



INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY PANEL SIGN
POST INSTALLATION

E 801-T-247d RPD 7 of 8

Eff. for Letting On or After 12-01-2026

REVISION TO SPECIAL PROVISION and PLAN DETAILS

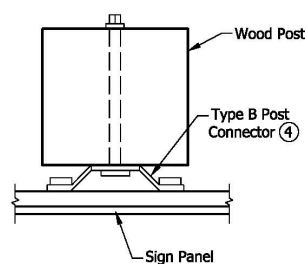
801-T-247d TRAFFIC CONTROL SIGNS (proposed draft)

This sheet replaces Standard Drawing E 801-TCSN-08

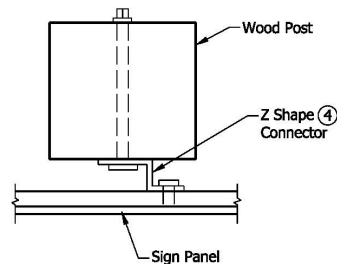
NOTES:

1. Post material shall be dense southern pine select natural.
2. See Standard Drawing E 801-TCSN-07 for X, Y and Z dimensions.
3. The table is valid for dimensions within the following range:
Sign Width (X) between 8'-0" and 45'-0"
Sign Height (Y) between 4'-0" and 20'-0"
Clear Height (Z) between 7'-0" and 15'-0"
- ④ The length of the connector shall be equal to the sign height Y.
- ⑤ Non-breakaway posts shall be placed outside the clearzone or behind barrier or guardrail. The edge of the panel sign adjacent to traffic shall be at least 6 feet from the face of the barrier or guardrail.
- ⑥ At exterior posts, the Angle Connector shall be installed on the outside face of the post.

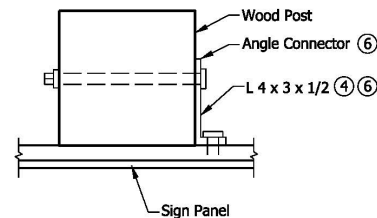
TEMPORARY PANEL SIGN WOOD POST SELECTION TABLE						
Post Description	Nominal Post Size (b x d)	(X * Y * Z) in ft ³ (Maximum)				Post Embedment
		Number of Posts				
		2	3	4	5	ft
Breakaway Post	6" x 6"	363	681	1000	1318	5
	6" x 8"	479	899	1319	1739	6
Non-Breakaway Post ⑤	6" x 6"	389	730	1071	1412	5
	6" x 8"	615	1154	1693	2232	6
	8" x 8"	755	1416	2078	2739	7
	8" x 10"	1007	1941	2848	3754	8
	10" x 10"	1279	2399	3519	4639	9



TYPE B POST CONNECTION



Z SHAPE CONNECTION



ANGLE SHAPE CONNECTION

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY PANEL SIGNS
WOOD POST SELECTION TABLE

E 801-T-247d RPD 8 of 8

Eff. for Letting On or After 12-01-2026

COMMENTS AND ACTION

801-R-542 WORKSITE ADDED PENALTY SIGNS
801-T-247d TRAFFIC CONTROL SIGNS

DISCUSSION:

This item was introduced and presented by Mr. Bruno, who stated that Section 1B.02 of the 11th edition of the MUTCD requires states to update standard drawings to be in substantial conformance with the MUTCD. RSP 801-R-542 for worksite added penalty signs needs various updates for the current edition of the MUTCD.

Mr. Bruno proposed to update RSP 801-R-542 to include current MUTCD content on the worksite added penalty signs. Further detailed explanations were provided by Mr. Bruno, following concerns by Mr. Doug Nagel.

Mr. Koch stated that some white backgrounds are benign, such as US/State route markers and one ways, while others require official actions, such as speed limits, or developed processes, as described in construction memo 14-06. Would changing our penalty signage to white backgrounds require official actions for each job or an approving process, such as memo 14-06?

Mr. Bruno responded that the new worksite added penalty signs will not require an Official Action or a new process to deploy them. The worksite added penalty signs are required by IC 9-21-4-20 and the FHWA MUTCD Team in Washington would not approve the continued use of warning sign versions of the worksite added penalty signs in the new edition of the Indiana MUTCD. While the new version of the worksite added penalty signs are regulatory signs and not guide signs, they merely provide notice of the added penalties for moving violations in worksites. The worksite added penalty signs are not establishing a speed limit, turn restriction, parking restriction, or other traffic control measure.

Mr. Koch appreciated the background and explanation.

There was no further discussion and this item passed as submitted. The effective dates will be discussed at the next Traffic Standards Subcommittee meeting.

[continued on next page]

COMMENTS AND ACTION

801-R-542 WORKSITE ADDED PENALTY SIGNS
801-T-247d TRAFFIC CONTROL SIGNS

[continued]

April 28, 2026: the FHWA has agreed to make effective letting date March 2027 for RSP 801-R-542 and RPD 801-T-249d (to amend 801-TCSN-02, 801-TCSN-04, and 801-TCSN-06 with the new worksite added penalty signs). This extension allows additional time for compliance and implementation.

Motion: Mr. Bruno Second: Mr. Orton Ayes: 10 Nays: 0 FHWA Approval: YES	Action: ☒ Passed as Submitted ☐ Passed as Revised ☐ Withdrawn
2026 Standard Specifications Sections: NONE Recurring Special Provisions or Plan Details: 801-R-542 WORKSITE ADDED PENALTY SIGNS 801-T-247d TRAFFIC CONTROL SIGNS Standard Drawing affected: 801-TCSN series Design Manual Chapter: 503 GIFE Section: NONE	☐ 2028 Standard Specifications ☐ Revise Pay Items List ☐ Notification to Designers if change is <u>not</u> addressed by RSP ☐ Create RSP (No.____) Effective: ☒ Revise RSP (No. 801-R-542) Effective: March 1, 2027 ☒ Standard Drawing Effective: September 1, 2026 ☒ Create RPD (No. 801-T-249d) Effective: March 1, 2027 ☒ Discontinue RSPd (No. 801-R-247d) Effective: September 1, 2026 ☐ GIFE Update ☐ Frequency Manual Update ☐ AWP Update

PROPOSAL TO STANDARDS COMMITTEE

PROBLEM(S) ENCOUNTERED: RSP 805-T-085 for signal bulb replacement, aerial inspection, and loop replacement as well as RSP 805-T-086 for traffic signal maintenance repair has become outdated. It includes information on incandescent signal bulb wattages and maintenance of traffic specs that are not compliant with the MUTCD depending on the location or duration of the work. In addition, the RSP is no longer necessary as signal maintenance contracts are infrequent and referring to the Standard Specifications with unique special provisions, if necessary, is sufficient.

PROPOSED SOLUTION: Rescind RSP 805-T-085 and RSP 805-T-086.

APPLICABLE STANDARD SPECIFICATIONS: N/A

APPLICABLE STANDARD DRAWING: N/A

APPLICABLE DESIGN MANUAL CHAPTER: N/A

APPLICABLE SECTION OF GIFE: N/A

APPLICABLE RECURRING SPECIAL PROVISION OR PLAN DETAILS: RSP 805-T-085 and RSP 805-T-086

PAY ITEMS AFFECTED: 805-02256 for aerial inspection and annual relamp, flasher, 805-02257 for aerial inspection and annual relamp, signal, 805-91706 for anchor bolt repair and 805-94680 for emergency response maintenance need to be marked as unique pay items.

APPLICABLE SUB-COMMITTEE ENDORSEMENT: Reviewed by INDOT district traffic engineers

IF APPROVED AS RECURRING SPECIAL PROVISION OR PLAN DETAILS, PROPOSED BASIS FOR USE: N/A

IMPACT ANALYSIS (attach report): Yes

Submitted By: Joe Bruno on behalf of Dave Boruff

Title: Sr. Traffic Engineer

Division: Traffic Engineering Division

E-mail: jbruno@indot.in.gov

Date: 3/20/2026

IMPACT ANALYSIS REPORT CHECKLIST

Explain the business case as to why this item should be presented to the Standards Committee for approval. Answer the following questions with Yes, No or N/A.

Does this item appear in any other specification sections? No

Will approval of this item affect the Qualified Products List (QPL)? No

Will this proposal improve:

Construction costs? No

Construction time? Yes

Customer satisfaction? No

Congestion/travel time? No

Ride quality? No

Will this proposal reduce operational costs or maintenance effort? Yes

Will this item improve safety:

For motorists? Yes

For construction workers? No

Will this proposal improve quality for:

Construction procedures/processes? Yes

Asset preservation? No

Design process? Yes

Will this change provide the contractor more flexibility? No

Will this proposal provide clarification for the Contractor and field personnel? Yes

Can this item improve/reduce the number of potential change orders? Yes

Is this proposal needed for compliance with:

Federal or State regulations? Yes

AASHTO or other design code? No

Is this item editorial? No

Provide any further information as to why this proposal should be placed on the Standards Committee meeting Agenda: N/A

REVISION TO SPECIAL PROVISIONS

805-T-085 SIGNAL LAMP REPLACEMENT, AERIAL INSPECTION, AND LOOP REPLACEMENT

805-T-086 TRAFFIC SIGNAL MAINTENANCE AND REPAIR

Listed below are the recurring special provisions that have been proposed for discontinuation,
see [PROPOSAL TO STANDARDS COMMITTEE](#))

[805-T-085 SIGNAL LAMP REPLACEMENT, AERIAL INSPECTION, AND LOOP REPLACEMENT](#)

[805-T-086 TRAFFIC SIGNAL MAINTENANCE AND REPAIR](#)

FINAL DRAFT MINUTES

COMMENTS AND ACTION

805-T-085 SIGNAL LAMP REPLACEMENT, AERIAL INSPECTION, AND LOOP REPLACEMENT
805-T-086 TRAFFIC SIGNAL MAINTENANCE AND REPAIR

DISCUSSION:

Mr. Bruno introduced and presented this item explaining that RSP 805-T-085 for signal bulb replacement, aerial inspection, and loop replacement as well as RSP 805-T-086 for traffic signal maintenance repair has become outdated. It includes information on incandescent signal bulb wattages and maintenance of traffic specs that are not compliant with the MUTCD depending on the location or duration of the work. In addition, the RSP is no longer necessary as signal maintenance contracts are infrequent and referring to the Standard Specifications with unique special provisions, if necessary, is sufficient.

Mr. Bruno proposed rescinding RSP 805-T-085 and RSP 805-T-086.

Motion: Mr. Bruno Second: Mr. Koch Ayes: 10 Nays: 0 FHWA Approval: YES	Action: ☒ Passed as Submitted ☐ Passed as Revised ☐ Withdrawn
2026 Standard Specifications Sections: Recurring Special Provisions or Plan Details: 805-T-085 SIGNAL LAMP REPLACEMENT, AERIAL INSPECTION, AND LOOP REPLACEMENT 805-T-086 TRAFFIC SIGNAL MAINTENANCE AND REPAIR Standard Drawing affected: NONE Design Manual Chapter: NONE GIFE Section: NONE	2028 Standard Specifications ☒ Revise Pay Items List ☐ Notification to Designers if change is <u>not</u> addressed by RSP ☐ Discontinue RSPs (No. 805-T-085 and 805-T-086) Effective: September 1, 2026 ☐ Revise RSP (No. __) Effective: ☐ Standard Drawing Effective: ☐ Create RPD (No. __) Effective: ☐ GIFE Update ☐ Frequency Manual Update ☐ AWP Update

PROPOSAL TO STANDARDS COMMITTEE

PROBLEM(S) ENCOUNTERED: Structure backfill was inadvertently omitted when listing restrictions for material allowed within 2 ft of the free water level.

PROPOSED SOLUTION: Incorporate attached edits which include structure backfill in the material restrictions.

APPLICABLE STANDARD SPECIFICATIONS: 211

APPLICABLE STANDARD DRAWINGS: None

APPLICABLE DESIGN MANUAL SECTION: None

APPLICABLE SECTION OF GIFE:

APPLICABLE RECURRING SPECIAL PROVISIONS: 715-R-809

PAY ITEMS AFFECTED: None

APPLICABLE SUB-COMMITTEE ENDORSEMENT: Ad hoc: Matt Beeson, Rick Newton, Jim Reilman

IF APPROVED AS RECURRING SPECIAL PROVISION OR PLAN DETAILS, PROPOSED BASIS FOR USE: for the 211 item: Required for all contracts except mowing, herbicide, sweeping, light bulb replacement, or tree removal/trimming.
for the 715-R-809, continue with the existing BFU

IMPACT ANALYSIS (attach report):

Submitted By: Jim Reilman

Title: State Materials Engineer

Organization: INDOT

Phone Number: (317) 522-9692

Date: 3/24/26

IMPACT ANALYSIS REPORT CHECKLIST

Explain the business case as to why this item should be presented to the Standards Committee for approval. Answer the following questions with Yes, No or N/A.

Does this item appear in any other specification sections? No

Will approval of this item affect the Approved Materials List? No

Will this proposal improve:

Construction costs? N/A

Construction time? N/A

Customer satisfaction? N/A

Congestion/travel time? N/A

Ride quality? N/A

Will this proposal reduce operational costs or maintenance effort? Yes

Will this item improve safety:

For motorists? N/A

For construction workers? N/A

Will this proposal improve quality for:

Construction procedures/processes? N/A

Asset preservation? Yes

Design process? N/A

Will this change provide the contractor more flexibility? N/A

Will this proposal provide clarification for the Contractor and field personnel? Yes

Can this item improve/reduce the number of potential change orders? N/A

Is this proposal needed for compliance with:

Federal or State regulations? No

AASHTO or other design code? No

Is this item editorial? No

Provide any further information as to why this proposal should be placed on the Standards Committee meeting Agenda:

REVISION TO STANDARD SPECIFICATIONS AND SPECIAL PROVISION

SECTION 211 – B BORROW AND STRUCTURE BACKFILL

211.03 General Requirements

715-R-809 PIPE CULVERTS, AND STORM AND SANITARY SEWERS

(Note: Proposed changes shown highlighted gray)

The Standard Specifications are revised as follows:

SECTION 211, BEGIN LINE 75, INSERT AS FOLLOWS:

Where B borrow or structure backfill is required as backfill at culverts, retaining walls, sewers, manholes, catch basins, and other miscellaneous structures, it shall be compacted in accordance with 211.04. B borrow *or structure backfill* consisting of ACBF or GBF shall not be used within 2 ft of the free water level.

Where specified, aggregate for end bent backfill shall be placed behind end bents and compacted in accordance with 211.04. Prior to placing the aggregate, a geotextile shall be installed in accordance with 616.11.

211.03.1 Structure Backfill Types

The structure backfill type shall be as specified.

FINAL DRAFT MINUTES

REVISION TO STANDARD SPECIFICATIONS AND SPECIAL PROVISION

SECTION 211 – B BORROW AND STRUCTURE BACKFILL

211.03 General Requirements

715-R-809 PIPE CULVERTS, AND STORM AND SANITARY SEWERS

(Note: Proposed changes are shown only in the affected portion
of this provision and are highlighted gray.)

715-R-809 PIPE CULVERTS, AND STORM AND SANITARY SEWERS

(Adopted 11-19-25)

The Standard Specifications are revised as follows:

SECTION 715, BEGIN LINE 4225, INSERT AS FOLLOWS:

Materials shall be in accordance with the following:

B Borrow	904.06*
Concrete.....	702
Flowable Backfill.....	213
Geotextiles	918.02
Pipe Joint Sealant.....	907.11
Reinforcing Bars	910.01
Rubber Type Gaskets	907.13
Straps, Hook Bolts, and Nuts.....	908.12
Structure Backfill	904

* B borrow *or structure backfill* consisting of ACBF or GBF shall not
be used within 2 ft of the free water level.

The maximum particle size of backfill material for corrugated pipe shall be less
than 1/2 the corrugation depth.

(a) Type 1 Pipe

Type 1 pipe shall be used for culverts under mainline pavement and public road
approaches and shall be in accordance with the following:

[\[link to the full text of this provision\]](#)

COMMENTS AND ACTION

211.03 General Requirements

715-R-809 PIPE CULVERTS, AND STORM AND SANITARY SEWERS

DISCUSSION:

This item was introduced and presented by Mr. Reilman who stated that Structure backfill was inadvertently omitted when listing restrictions for material allowed within 2 ft of the free water level.

Mr. Reilman proposed to incorporate the above shown edits which include structure backfill in the material restrictions.

Motion: Mr. Reilman Second: Mr. Dave Ayes: 10 Nays: 0 FHWA Approval: YES	Action: ☒ Passed as Submitted ☐ Passed as Revised ☐ Withdrawn
2026 Standard Specifications Sections: 211, pp. 231 - 237. Recurring Special Provisions or Plan Details: 715-R-809 PIPE CULVERTS, AND STORM AND SANITARY SEWERS Standard Drawing affected: NONE Design Manual Chapter: NONE GIFE Section: NONE	☒ 2028 Standard Specifications ☐ Revise Pay Items List ☐ Notification to Designers if change is <u>not</u> addressed by RSP ☒ Create RSP (No. 211-R-819) Effective: September 1, 2026 ☒ Revise RSP (No. 715-R-809) Effective: September 1, 2026 ☐ Standard Drawing Effective: ☐ Create RPD (No. ___) Effective: ☐ GIFE Update ☐ Frequency Manual Update ☐ AWP Update

PROPOSAL TO STANDARDS COMMITTEE

PROBLEM(S) ENCOUNTERED: There is confusion with the ACBF, GBF, and SF adjustments for aggregates

PROPOSED SOLUTION: Incorporate the proposed language into 303.09 and 904 as shown

APPLICABLE STANDARD SPECIFICATIONS: 303.09 and 904.01

APPLICABLE STANDARD DRAWINGS: None

APPLICABLE DESIGN MANUAL SECTION: None

APPLICABLE SECTION OF GIFE:

APPLICABLE RECURRING SPECIAL PROVISIONS: 904-M-073

PAY ITEMS AFFECTED: None

APPLICABLE SUB-COMMITTEE ENDORSEMENT: Ad hoc: Matt Beeson, Rick Newton, Jim Reilman

IF APPROVED AS RECURRING SPECIAL PROVISION OR PLAN DETAILS, PROPOSED BASIS FOR USE: for 303:
Required for all contracts except mowing, herbicide, sweeping, light bulb replacement, or tree removal/trimming.

for 904-M-073, keep existing BFU

IMPACT ANALYSIS (attach report):

Submitted By: Jim Reilman

Title: State Materials Engineer

Organization: INDOT

Phone Number: (317) 522-9692

Date: 3/24/26

STANDARD SPECIFICATIONS, SPECIAL PROVISIONS AND STANDARD DRAWINGS

REVISION TO STANDARD SPECIFICATIONS

IMPACT ANALYSIS REPORT CHECKLIST

Explain the business case as to why this item should be presented to the Standards Committee for approval. Answer the following questions with Yes, No or N/A.

Does this item appear in any other specification sections? No

Will approval of this item affect the Approved Materials List? No

Will this proposal improve:

Construction costs? N/A

Construction time? N/A

Customer satisfaction? N/A

Congestion/travel time? N/A

Ride quality? N/A

Will this proposal reduce operational costs or maintenance effort? N/A

Will this item improve safety:

For motorists? N/A

For construction workers? N/A

Will this proposal improve quality for:

Construction procedures/processes? Yes

Asset preservation? N/A

Design process? N/A

Will this change provide the contractor more flexibility? N/A

Will this proposal provide clarification for the Contractor and field personnel? Yes

Can this item improve/reduce the number of potential change orders? Yes

Is this proposal needed for compliance with:

Federal or State regulations? No

AASHTO or other design code? No

Is this item editorial? No

Provide any further information as to why this proposal should be placed on the Standards Committee meeting Agenda:

REVISION TO STANDARD SPECIFICATIONS

SECTION 303 – AGGREGATE PAVEMENTS OR SHOULDERS

303.09 Method of Measurement

SECTION 904 – AGGREGATES

904.01 Aggregates

(Note: Proposed changes shown highlighted gray)

The Standard Specifications are revised as follows:

SECTION 303, BEGIN LINE 65, INSERT AS FOLLOWS:

303.09 Method of Measurement

Compacted aggregate will be measured by the ton in accordance with 109.01 (b) for the type specified. *If ACBF, ~~GBF~~, or SF aggregates are used, an adjustment in weight for the entire contract item will be made for each contract pay item that is 500 t or greater to compensate for the difference in specific gravity of slag compared to natural aggregate. The measured quantity will be adjusted in accordance with 904.01 to determine the pay quantity.* Geosynthetics will be measured in accordance with 214.05.

SECTION 904, BEGIN LINE 3, DELETE AS FOLLOWS:

904.01 Aggregates

Aggregates shall consist of natural or manufactured materials produced from but not limited to limestone, dolomite, gravels, sandstones, ~~steel furnace slag~~, SF, ~~air-cooled blast furnace slag~~, ACBF, ~~granulated blast furnace~~, GBF, wet bottom boiler slag, or other geologic rock types approved by the Engineer.

SECTION 904, BEGIN LINE 24, DELETE AND INSERT AS FOLLOWS:

Aggregates, except those used for precast concrete units or fine aggregates used for snow and ice abrasive, shall be supplied by a Certified Aggregate Producer in accordance with 917. Structure backfill may be obtained from a non-CAPP source in accordance with 211.02. SF for SMA mixtures ~~shall~~ will also require the following:

SECTION 904, BEGIN LINE 76, INSERT AS FOLLOWS:

When slag is furnished as an aggregate, the approximate quantity of tons to be supplied will be determined by multiplying the *contract* pay item quantity of tons by the specific gravity of slag divided by 2.6. The adjusted contract *pay item* quantities will be determined by multiplying the accepted quantity of tons by 2.6 divided by the specific gravity of the slag.

COMMENTS AND ACTION

303.09 Method of Measurement
904.01 Aggregates

DISCUSSION:

Mr. Reilman introduced and presented this item stating that there is confusion with the ACBF, GBF, and SF adjustments for aggregates. Mr. Reilman proposed to incorporate the proposed language into 303.09 and 904 as shown above.

Mr. Koch, about the added language in 303.09, mentioned that field personnel will question: adjust only the portion greater than 500 tons? Contractual or project level pay item? Planned or final quantity? To me the answers to these questions are straight forward, yet if passed, many interpretations will happen if we are not concise. To provide clarity, can clarification language be worked into the verbiage? If not perhaps GIFE guidance?

Mr. Reilman responded that the words highlighted in gray are proposed to be inserted ("*...an adjustment in weight for the entire contract item will be made for each contract pay item that is 500 t or greater...*"). This will be for the planned quantity as that is what is being bid on. I suppose on a case-by-case basis, if there is a large bust in the plans or something and a change order is created, these adjustment factors can be incorporated into that change order. Otherwise for minor item overruns, say plan quantity is 470 t and final placed quantity is 503 t, no adjustment would be made.

Mr. Koch also asked, could AWP include a field to ensure not just the positive adjustments are made but also the negative? Mr. Reilman differed to Mr. Jacobs who said he knows of no such template to be used on a sample record that could report/document this.

Mr. Koch also stated that the existing 904 language indicated fixed SG values per the table with the proposal adding one word. Yet it would seem reasonable for the material supplier/testing to provide an actual SG. If not, what value should be used for GBF coarse aggregate, not shown in the table? Mr. Reilman answered that adjustments for using slag first appeared in the 1985 specifications. The first occurrence of an adjustment for GBF as a fine aggregate was in the 1995 specification. I have not found any adjustment factors for GBF coarse aggregate in any spec book. My thoughts are to not add any mention of GBF for coarse aggregate at this time and instead follow up with the slag producers thru IMAA and see if we can figure out a reason as to why it has never been a part of the specification and if there is a reason to incorporate something in the future.

After the meeting, Mr. Reilman spoke with a representative from the slag industry. There is no need for a GBF coarse aggregate line in the chart. The process to make GBF yields particles approximately ¾ in. and smaller. Thus there is no reason to add a row for GBF coarse aggregate. Regarding the factors in the table, the representative mentioned they seem to be good average values. We could go the route of asking for the actual SG of the provided material, but there hasn't been any issues with using the values currently in the spec book.

Mr. Koch responded that the table seems to be the basis for the adjustment math. Or should the Contractor provide the actual SG for the proposed product especially as one product is not listed? If we believe GBF and ACBF coarse aggregate is the same, okay, but we should provide appropriate instruction for field personnel.

Mr. Reilman and Mr. Koch discussed removing the granulated blast furnace slag from the 303.09 Method of Measurement, and Mr. Reilman said he will look into it.

Mr. Reilman, after the meeting, stated that following his conversation with the slag industry representative, he highly doubts that we will ever receive any GBF in coarse aggregate sizes. The materials listed for the work in 303 are coarse aggregate. Therefore, it makes sense to remove GBF from the MOM in 303.09.

Mr. Reilman revised his motion which was seconded by Mr. Koch.

[continued on next page]

COMMENTS AND ACTION

303.09 Method of Measurement
 904.01 Aggregates

[continued]

Motion: Mr. Reilman Second: Mr. Bruno Ayes: 10 Nays: 0 FHWA Approval: YES	Action: ☐ Passed as Submitted ☒ Passed as Revised ☐ Withdrawn
2026 Standard Specifications Sections: 303.09 pg. 268 and 904.01 pp. 1015 - 1017. Recurring Special Provisions or Plan Details: 904-M-073 AGGREGATES Standard Drawing affected: NONE Design Manual Chapter: NONE GIFE Section: NONE	☒ 2028 Standard Specifications Revise Pay Items List Notification to Designers if change is <u>not</u> addressed by RSP ☒ Create RSP (No. 303-R-818) Effective: September 1, 2026 ☒ Revise RSP (No. 904-M-073) (Note: to edit 904-M-076 to change "shall" to "will" to match with approved changes) Effective: September 1, 2026 ☐ Standard Drawing Effective: ☐ Create RPD (No. <u> </u>) Effective: ☐ GIFE Update ☐ Frequency Manual Update ☐ AWP Update

PROPOSAL TO STANDARDS COMMITTEE

PROBLEM(S) ENCOUNTERED: HMA can benefit from the use of SMA RAP, but it currently is not allowed. The \$500 fee for dispute samples is no longer needed.

PROPOSED SOLUTION: Modify 401.06 to allow the use of SMA RAP. Delete the language in 401.20 creating the \$500 credit adjustment.

APPLICABLE STANDARD SPECIFICATIONS: 401

APPLICABLE STANDARD DRAWINGS: NA

APPLICABLE DESIGN MANUAL SECTION: NA

APPLICABLE SECTION OF GIFE: NA

APPLICABLE RECURRING SPECIAL PROVISIONS: N/A

PAY ITEMS AFFECTED: N/A

APPLICABLE SUB-COMMITTEE ENDORSEMENT: Materials and Construction Committee

IF APPROVED AS RECURRING SPECIAL PROVISION OR PLAN DETAILS, PROPOSED BASIS FOR USE: Any 401 pay item

IMPACT ANALYSIS (attach report):

Submitted By: Jim Reilman

Title: State Materials Engineer

Organization: INDOT Materials and Tests

Phone Number: 317-522-9692

Date: 3/13/26

STANDARD SPECIFICATIONS, SPECIAL PROVISIONS AND STANDARD DRAWINGS

REVISION TO STANDARD SPECIFICATIONS

IMPACT ANALYSIS REPORT CHECKLIST

Explain the business case as to why this item should be presented to the Standards Committee for approval. Answer the following questions with Yes, No or N/A.

Does this item appear in any other specification sections? Y

Will approval of this item affect the Approved Materials List? N

Will this proposal improve:

Construction costs? Y

Construction time? N

Customer satisfaction? N

Congestion/travel time? N

Ride quality? N

Will this proposal reduce operational costs or maintenance effort? N

Will this item improve safety:

For motorists? Y

For construction workers? N

Will this proposal improve quality for:

Construction procedures/processes? Y

Asset preservation? N

Design process? N

Will this change provide the contractor more flexibility? Y

Will this proposal provide clarification for the Contractor and field personnel? Y

Can this item improve/reduce the number of potential change orders? N

Is this proposal needed for compliance with:

Federal or State regulations? N

AASHTO or other design code? N

Is this item editorial? N

Provide any further information as to why this proposal should be placed on the Standards Committee meeting Agenda:

REVISION TO STANDARD SPECIFICATIONS

SECTION 401 – QC/QA HMA PAVEMENT

401.05 Volumetric Mix Design

401.06 Recycled Materials

401.20 Contractor Disputing Acceptance Test Results

(Note: Proposed changes shown highlighted gray)

The Standard Specifications are revised as follows:

SECTION 401, BEGIN LINE 87, INSERT AS FOLLOWS:

Sieve Size	Dense Graded, Mixture Designation – Control Point (Percent Passing)				
	25.0 mm	19.0 mm	12.5 mm	9.5 mm	4.75 mm**
2 in. (50.0 mm)					
1 1/2 in. (37.5 mm)	100.0				
1 in. (25.0 mm)	90.0 - 100.0	100.0			
3/4 in. (19.0 mm)	< 90.0	90.0 - 100.0	100.0		
1/2 in. (12.5 mm)		< 90.0	90.0 - 100.0	100.0***	100.0
3/8 in. (9.5 mm)			< 90.0	90.0 - 100.0	95.0 - 100.0
No. 4 (4.75 mm)				< 90.0	90.0 - 100.0
No. 8 (2.36 mm)	19.0 - 45.0	23.0 - 49.0	28.0 - 58.0	32.0 - 67.0*	
No. 16 (1.18 mm)					30.0 - 55.0
No. 30 (600 µm)					
No. 50 (300 µm)					
No. 200 (75 µm)	1.0 - 7.0	2.0 - 8.0	2.0 - 10.0	2.0 - 10.0	3.0 - 8.0
*The mix design gradation shall be less than or equal to 58.0% passing the No. 8 (2.36 mm) sieve for all 9.5 mm surface mixtures. The mix design gradation can be greater than 58.0% passing the No. 8 (2.36 mm) sieve when used on non-Department maintained facilities. ** The total blended aggregate gradation for the 4.75 mm mixture shall have a fineness modulus greater than or equal to 3.30 as determined in accordance with AASHTO T 27. *** The percent passing shall be 98.0% - 100.0% when SMA RAP material in accordance with 401.06 is used.					

SECTION 401, BEGIN LINE 92, DELETE AND INSERT AS FOLLOWS:

Dust/Calculated Effective Binder Ratio for dense graded mixtures shall be 0.6 to 1.4. The Dust/Calculated Effective Binder Ratio for 4.75 mm mixtures shall be 1.0 to 2.0.

Dust/Calculated Effective Binder Ratio	
Mixture	Ratio

REVISION TO STANDARD SPECIFICATIONS

SECTION 401 – QC/QA HMA PAVEMENT

401.05 Volumetric Mix Design

401.06 Recycled Materials

401.20 Contractor Disputing Acceptance Test Results

4.75 mm	1.0 – 2.0
9.5 mm	0.6 – 1.4
12.5 mm	
19.0 mm	
25.0 mm	0.8 – 1.6

SECTION 401, BEGIN LINE 162, DELETE AND INSERT AS FOLLOWS:

401.06 Recycled Materials

Recycled materials may consist of RAP or RAS or a blend of both. *HMA* RAP shall be the product resulting from the cold milling or crushing of an existing HMA pavement. Before entering the plant, *HMA* RAP shall be processed so that 100% will pass the 2 in. (50 mm) sieve. Before entering the plant, RAS shall be processed so that 100% will pass the 3/8 in. (9.5 mm) sieve. The *HMA* RAP coarse aggregate shall pass the maximum size sieve for the mixture being produced.

SMA RAP, as defined in 410.06, may be used. The Contractor may request the use of SMA RAP material in the HMA mixture provided the material is stockpiled separately at the plant and the material properties were determined in accordance with ITM 584 during stockpile construction. The request shall include all QC test results describing the stockpile composition. The Engineer will obtain a representative sample of the SMA RAP material in accordance with ITM 207 for testing in accordance with ITM 590 to verify the proposed design value.

HMA RAP for the ESAL category 3 and 4 surface mixtures shall be a fine *HMA* RAP with 100% passing the 3/8 in. (9.5 mm) sieve and 95 to 100% passing the No. 4 (4.75 mm) sieve.

[moved to a separate paragraph] The Contractor may request the use of coarse *HMA* RAP in a category 4 surface mixture up to a maximum 20.0% by volume of material retained on the No. 4 (4.75 mm) sieve. The election to use coarse *HMA* RAP in a category 4 surface mixture will void the allowed use of crushed stone and gravel coarse aggregate materials in accordance with 904.03(d). ~~SMA RAP as defined in 410.06 shall not be used in any HMA mixture.~~

SECTION 401, BEGIN LINE 217, INSERT AS FOLLOWS:

HMA mixtures utilizing *HMA or SMA* RAP, ~~or~~ RAS, or a blend of ~~RAP and RAS~~ any of these

MAXIMUM BINDER REPLACEMENT, %									
Mixture Category	Base and Intermediate						Surface		
	Dense Graded				Open Graded			Dense Graded	
	25.0	19.0	12.5	9.5	25.0	19.0	9.5	12.5	9.5 4.75

REVISION TO STANDARD SPECIFICATIONS

SECTION 401 – QC/QA HMA PAVEMENT

401.05 Volumetric Mix Design

401.06 Recycled Materials

401.20 Contractor Disputing Acceptance Test Results

	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
2	25.0*				25.0*			25.0*		
3	25.0*				25.0*			25.0*		
4	25.0*				25.0*			25.0*		
* The contribution of RAS to any HMA mixture shall be ≤ 3.0% by total mass of mixture and ≤ 15.0% binder replacement.										

SECTION 401, BEGIN LINE 965, DELETE AS FOLLOWS:

~~A \$500.00 credit adjustment will be included in a quality adjustment pay item in accordance with 109.05.1(d) for each disputed subplot that did not result in an improvement to the SCPF or Lot PF.~~

FINAL DRAFT MINUTES

COMMENTS AND ACTION

401.05 Volumetric Mix Design
401.06 Recycled Materials
401.20 Contractor Disputing Acceptance Test Results

DISCUSSION:

This item was introduced and presented by Mr. Reilman who stated that HMA can benefit from the use of SMA RAP, but it currently is not allowed. The \$500 fee for dispute samples is no longer needed.

Mr. Reilman proposed to modify 401.06 to allow the use of SMA RAP, and delete the language in 401.20 creating the \$500 credit adjustment. Additional revisions proposed by Mr. Reilman are as shown above.

Mr. Reilman revised his motion which was seconded by Mr. Dave.

There was no further discussion and this item passed as revised.

Motion: Mr. Reilman Second: Mr. Dave Ayes: 10 Nays: 0 FHWA Approval: YES	<u>Action:</u> ☐ Passed as Submitted ☒ Passed as Revised ☐ Withdrawn
2026 Standard Specifications Sections: 401 pp. 301 - 331. Recurring Special Provisions or Plan Details: NONE Standard Drawing affected: NONE Design Manual Chapter: NONE GIFE Section: NONE	☒ 2028 Standard Specifications ☐ Revise Pay Items List ☐ Notification to Designers if change is <u>not</u> addressed by RSP ☒ Create RSP (No. <u>401-R-820</u>) Effective: <u>September 1, 2026</u> ☐ Revise RSP (No. __) Effective: ☐ Standard Drawing Effective: ☐ Create RPD (No. __) Effective: ☐ GIFE Update ☐ Frequency Manual Update ☐ AWP Update

PROPOSAL TO STANDARDS COMMITTEE

PROBLEM(S) ENCOUNTERED: SMA has no bonus incentives. Missing recycled materials language.

PROPOSED SOLUTION: Modify 410.06 to clarify SMA RAP language. Update density table in 410.19 to allow a density bonus.

APPLICABLE STANDARD SPECIFICATIONS: 410

APPLICABLE STANDARD DRAWINGS: NA

APPLICABLE DESIGN MANUAL SECTION: NA

APPLICABLE SECTION OF GIFE: NA

APPLICABLE RECURRING SPECIAL PROVISIONS: NA

PAY ITEMS AFFECTED: NA

APPLICABLE SUB-COMMITTEE ENDORSEMENT: Materials and Construction Committee with APAI

IF APPROVED AS RECURRING SPECIAL PROVISION OR PLAN DETAILS, PROPOSED BASIS FOR USE: Any 410 pay item

IMPACT ANALYSIS (attach report):

Submitted By: Jim Reilman

Title: State Materials Engineer

Organization: INDOT Materials and Tests

Phone Number: 317-522-9692

Date: 3/13/26

IMPACT ANALYSIS REPORT CHECKLIST

Explain the business case as to why this item should be presented to the Standards Committee for approval. Answer the following questions with Yes, No or N/A.

Does this item appear in any other specification sections? Y

Will approval of this item affect the Approved Materials List? N

Will this proposal improve:

Construction costs? N

Construction time? N

Customer satisfaction? N

Congestion/travel time? N

Ride quality? N

Will this proposal reduce operational costs or maintenance effort? N

Will this item improve safety:

For motorists? N

For construction workers? N

Will this proposal improve quality for:

Construction procedures/processes? Y

Asset preservation? Y

Design process? N

Will this change provide the contractor more flexibility? Y

Will this proposal provide clarification for the Contractor and field personnel? Y

Can this item improve/reduce the number of potential change orders? N

Is this proposal needed for compliance with:

Federal or State regulations? N

AASHTO or other design code? N

Is this item editorial? N

Provide any further information as to why this proposal should be placed on the Standards Committee meeting Agenda:

REVISION TO STANDARD SPECIFICATIONS

SECTION 410 – QC/QA HMA – SMA PAVEMENT

410.06 Recycled Materials

410.20 Contractor Disputing Acceptance Test Results

(Note: Proposed changes shown highlighted gray)

The Standard Specifications are revised as follows:

SECTION 410, AFTER LINE 142, INSERT AS FOLLOWS:

The recycled material percentages shall be as specified on the DMF. SMA mixtures utilizing recycled materials shall be limited to 25.0% binder replacement, computed as follows:

$$\text{Binder Replacement, \%} = \frac{(A \times B)}{C}$$

where:

A = RAP, % Binder Content by Mass of RAP

B = RAP, % by Total Mass of Mixture

C = Total, % Binder Content by Total Mass of Mixture.

The combined aggregate properties shall be in accordance with 904. The combined aggregate bulk specific gravity shall be as determined in accordance with ITM 584 and the combined aggregate gradation shall be in accordance with 410.05 for the SMA mixture specified.

SECTION 410, BEGIN LINE 416, DELETE AND INSERT AS FOLLOWS:

Cores for density determination shall be in accordance with ~~401.16~~410.16 and ~~401.20~~410.20 and shall not be taken within 12 in. of either the confined edge or the non-confined edge of the course placed where VRAM has been applied.

SECTION 410, BEGIN LINE 429, DELETE AS FOLLOWS:

Density acceptance for all SMA mixtures shall be based on cores cut from the compacted pavement and analysis of pavement samples obtained in accordance with ITM 580. ~~Acceptance will be based on lots and sublots in accordance with 410.07.~~ The Engineer will randomly select two locations in accordance with ITM 802, within each subplot for coring. The transverse core location will be located so that the edge of the core will be no closer than 3 in. from a confined edge or 6 in. from a non-confined edge of the course being placed. The maximum specific gravity will be determined from the sample obtained in 410.09.

SECTION 410, BEGIN LINE 468, DELETE AS FOLLOWS:

Samples for the bulk specific gravity and maximum specific gravity will be dried in accordance with ITM 572. The Engineer will determine the bulk specific gravity of the cores in accordance with AASHTO T 166, Method A or AASHTO T 331, if required. The maximum specific gravity will be mass determined in water in accordance with AASHTO T 209. ~~The target value for density of SMA mixtures of each subplot shall be 93.0%.~~

SECTION 410, BEGIN LINE 548, DELETE AND INSERT AS FOLLOWS:

(b) Density

REVISION TO STANDARD SPECIFICATIONS

SECTION 410 – QC/QA HMA – SMA PAVEMENT

410.06 Recycled Materials

410.20 Contractor Disputing Acceptance Test Results

When the density of the lot is outside the allowable tolerances, a adjustment points for the lot density will be assessed as follows:

AVERAGE DENSITY	
Percentages are based on %MSG	Pay Adjustments, %**
> 97.0	Submitted to the Division of Materials and Tests*
97.6 – 97.9	0.00
96.1 – 97.5	-2.0 + 0.10 points for each 0.10% density above 96.0
95.0 – 96.0	-2.0 adjustment points
93.0 – 94.9	0.00 - 2.0 + 0.10 points for each 0.10% density below 95.0
92.0 – 92.9	0.20 points for each 0.10% below 93.0
91.0 – 91.9	2.00 + 0.40 points for each 0.10% below 92.0
89.0 – 90.9	6.00 + 1.00 points for each 0.10% below 91.0
≤ 89.0	Submitted to the Division of Materials and Tests*
* Test results will be considered and a determination rendered as a failed material in accordance with 105.03. ** If any single subplot average density value is less than 91.0, the pay adjustment will not be assessed lower than 0.00.	

SECTION 410, BEGIN LINE 576, DELETE AND INSERT AS FOLLOWS:

(b) Binder Content and Gradation

The backup sample for binder content and gradation will be prepared and tested in accordance with the test methods that were used for acceptance.

COMMENTS AND ACTION

410.06 Recycled Materials

410.20 Contractor Disputing Acceptance Test Results

DISCUSSION:

Mr. Reilman introduced and presented this item stating that SMA has no bonus incentives, and is missing recycled materials language.

Mr. Reilman proposed to modify 410.06 to clarify SMA RAP language, and update the density table in 410.19 to allow a density bonus. Minor editorial additions are as shown.

There was no further discussion and this item passed as submitted.

Motion: Mr. Reilman Second: Mr. Bruno Ayes: 10 Nays: 0 FHWA Approval: YES	Action: ☒ Passed as Submitted ☐ Passed as Revised ☐ Withdrawn
2026 Standard Specifications Sections: 410 pp. 353 - 369. Recurring Special Provisions or Plan Details: NONE Standard Drawing affected: NONE Design Manual Chapter: NONE GIFE Section: NONE	☒ 2028 Standard Specifications ☐ Revise Pay Items List ☐ Notification to Designers if change is <u>not</u> addressed by RSP ☒ Create RSP (No. 410-R-821) Effective: September 1, 2026 ☐ Revise RSP (No. __) Effective: ☐ Standard Drawing Effective: ☐ Create RPD (No. __) Effective: ☐ GIFE Update ☐ Frequency Manual Update ☐ AWP Update

STANDARD SPECIFICATIONS, SPECIAL PROVISIONS AND STANDARD DRAWINGS

REVISION TO STANDARD SPECIFICATIONS

PROPOSAL TO STANDARDS COMMITTEE

PROBLEM(S) ENCOUNTERED: Occasionally steel carrier pipes larger than those listed in 716 are requested.

PROPOSED SOLUTION: Incorporate the proposed language to allow steel carrier pipes larger than those listed in 716.

APPLICABLE STANDARD SPECIFICATIONS: 716

APPLICABLE STANDARD DRAWINGS: None

APPLICABLE DESIGN MANUAL SECTION: None

APPLICABLE SECTION OF GIFE:

APPLICABLE RECURRING SPECIAL PROVISIONS: create new RSP

PAY ITEMS AFFECTED: None

APPLICABLE SUB-COMMITTEE ENDORSEMENT: ad hoc: Adam Post, Jim Reilman

IF APPROVED AS RECURRING SPECIAL PROVISION OR PLAN DETAILS, PROPOSED BASIS FOR USE: all contracts with a 716 pay item

IMPACT ANALYSIS (attach report):

Submitted By: Jim Reilman

Title: State Materials Engineer

Organization: INDOT

Phone Number: (317) 522-9692

Date: 3/24/26

IMPACT ANALYSIS REPORT CHECKLIST

Explain the business case as to why this item should be presented to the Standards Committee for approval. Answer the following questions with Yes, No or N/A.

Does this item appear in any other specification sections? No

Will approval of this item affect the Approved Materials List? No

Will this proposal improve:

Construction costs? Yes

Construction time? Yes

Customer satisfaction? N/A

Congestion/travel time? N/A

Ride quality? N/A

Will this proposal reduce operational costs or maintenance effort? N/A

Will this item improve safety:

For motorists? N/A

For construction workers? N/A

Will this proposal improve quality for:

Construction procedures/processes? N/A

Asset preservation? Yes

Design process? N/A

Will this change provide the contractor more flexibility? Yes

Will this proposal provide clarification for the Contractor and field personnel? Yes

Can this item improve/reduce the number of potential change orders? N/A

Is this proposal needed for compliance with:

Federal or State regulations? No

AASHTO or other design code? No

Is this item editorial? No

Provide any further information as to why this proposal should be placed on the Standards Committee meeting Agenda:

REVISION TO STANDARD SPECIFICATIONS

SECTION 716 – TRENCHLESS PIPE INSTALLATION

716.02 Materials

(Note: Proposed changes shown highlighted gray)

The Standard Specifications are revised as follows:

SECTION 716, BEGIN LINE 101, INSERT AS FOLLOWS:

Steel pipe used as a carrier pipe shall have the following minimum wall thickness shown in the table below. *The Department will consider carrier pipes with outside diameters larger than those listed in the table below provided the Contractor supplies a recommended outside diameter and wall thickness that has been designed by, signed by, and bears the seal of a professional engineer.* Steel pipe used as a casing pipe, but not used as a carrier pipe, shall be selected by the Contractor to have minimum wall thickness sufficient to resist jacking forces. For installations where the casing is not used as a carrier but only as a casing for a carrier pipe, the thickness of the casing shall be determined by the Contractor.

Outside Diameter, in.	Wall Thickness, in.
18 or less	1/4
19 – 20	5/16
21 – 26	3/8
27 – 30	1/2
31 – 42	1/2
43 – 48	9/16

COMMENTS AND ACTION

716.02 Materials

DISCUSSION:

This item was introduced and presented by Mr. Reilman who explained that occasionally steel carrier pipes larger than those listed in 716 have been requested. Mr. Reilman proposed to incorporate the proposed language to allow steel carrier pipes larger than those listed in 716, as shown.

Mr. Koch stated that 716 carrier pipe has a historic feel. We know it works because it has worked so far without issue. If we allow an engineer to design larger diameter pipes, would we need to provide design parameters such as soil PH, and service life, within the contract documents?

Mr. Reilman responded that he believes that if the Contractor is going to propose a larger diameter pipe, it would be on the Contractor to get the necessary parameters and include them in their design for our Hydraulics group to review before INDOT would give approval to use a larger pipe.

Mr. Koch expressed concerns about design parameters, such as ASTMs, scour in the pipe, pH, all those things. It just seems like it could be a bit open and we could lose control of the larger pipes that are installed if we don't have design constraints.

Ms. Mouser asked if it would be a hydraulic design rather than structural design? Mr. Reilman said it would need to be both.

Following much discussion with Mr. Reilman, Mr. Koch, and Ms. Mouser, Mr. Reilman withdrew this item pending further review by the pipe committee.

Motion: Mr. Reilman Second: Mr. Koch Ayes: Nays: FHWA Approval:	<u>Action:</u> ☐ Passed as Submitted ☐ Passed as Revised ☒ Withdrawn
2026 Standard Specifications Sections: 716.02, PG. 761. Recurring Special Provisions or Plan Details: NONE Standard Drawing affected: NONE Design Manual Chapter: NONE GIFE Section: NONE	2028 Standard Specifications ☐ Revise Pay Items List ☐ Notification to Designers if change is <u>not</u> addressed by RSP ☐ Create RSP (No.____) Effective: ☐ Revise RSP (No.____) Effective: ☐ Standard Drawing Effective: ☐ Create RPD (No. ____) Effective: ☐ GIFE Update ☐ Frequency Manual Update ☐ SiteManager Update