

Aborted Pass Maneuver Distance

85th Percentile Speed (mph)	Distance (APM-B)
30	350 ft
35	400 ft
40	450 ft
45	500 ft
50	550 ft
55	600 ft
60	650 ft

GENERAL NOTES

- The minimum length of the no passing zone at narrow bridges if marked, shall be the distance APM-B. If the 85th percentile speed is not known add 5 mph to the posted limit and use the appropriate distance APM-B.

- ┆ D-1 or D-3 Delineator
- ┆ D-1 Delineator (Bi-directional)

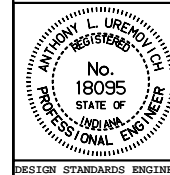
INDIANA DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DEVICES

AT NARROW BRIDGE ON TWO LANE ROAD

JANUARY 2000

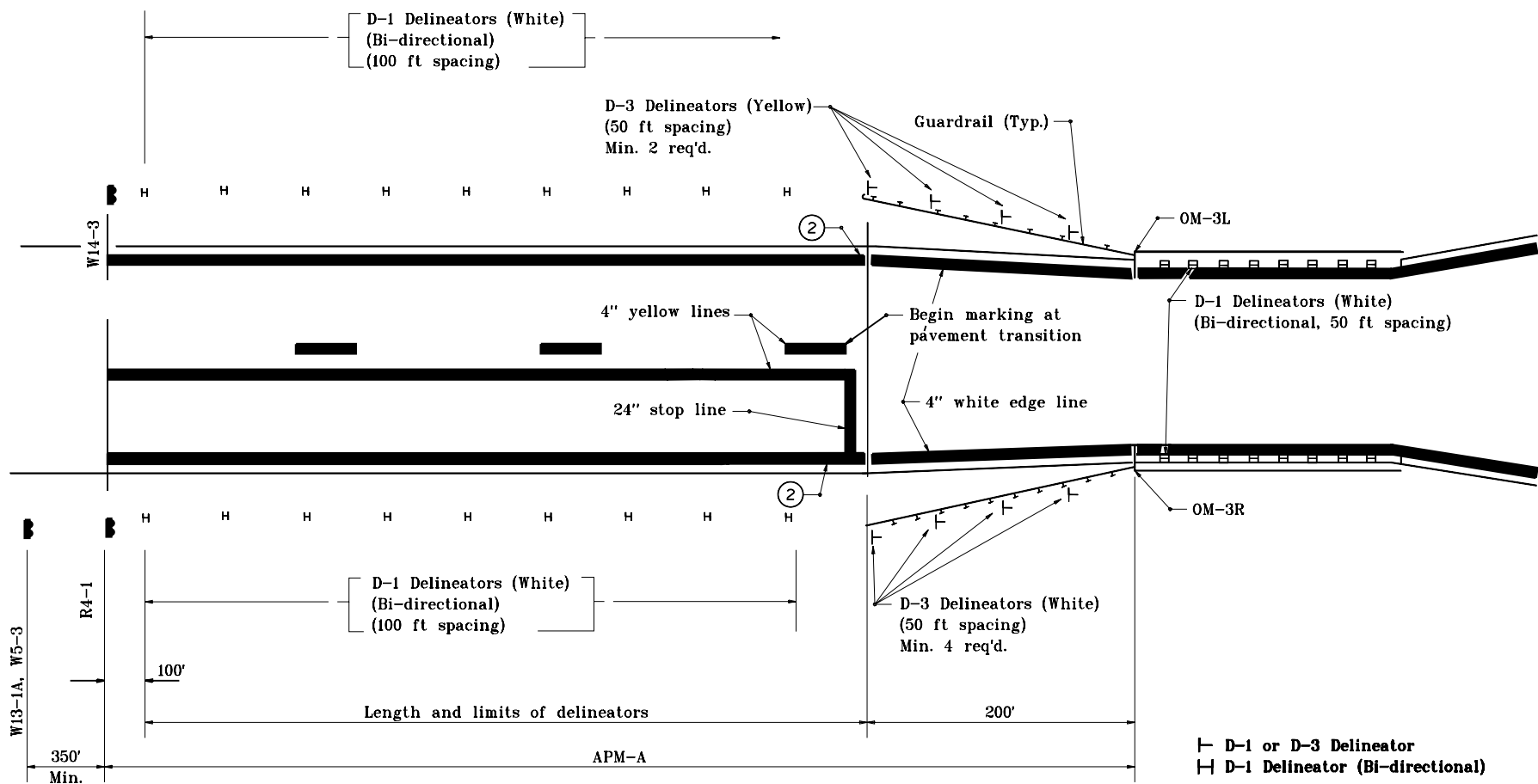
STANDARD DRAWING NO.E 808-MKNB-01



/s/ Anthony L. Uremovich 1-03-00
DESIGN STANDARDS ENGINEER DATE

/s/ Firooz Zandi 1-03-00
CHIEF HIGHWAY ENGINEER DATE

DESIGN STANDARDS ENGINEER



┌ D-1 or D-3 Delineator
 ┌─ D-1 Delineator (Bi-directional)

Aborted Pass Maneuver Distance

85th Percentile Speed (mph)	Distance (APM-A)
30	400 ft
35	500 ft
40	600 ft
45	700 ft
50	800 ft
55	900 ft
60	1000 ft

GENERAL NOTES

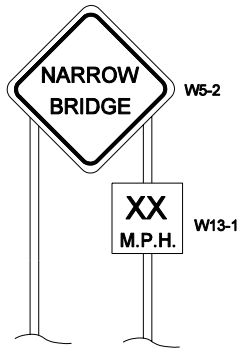
- The minimum length of the no passing zone at one lane bridges if marked, shall be the distance APM-A. If the 85th percentile speed is known add 5 mph to the posted limit and use the appropriate distance APM-A.
- When pavement width does not provide adequate width for normal edge line installation, the edge lines shall be installed only on the tapers and through the narrow obstruction.

INDIANA DEPARTMENT OF TRANSPORTATION

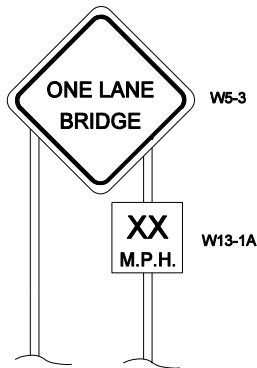
TRAFFIC CONTROL DEVICES
AT ONE LANE BRIDGE ON TWO LANE ROAD
JANUARY 2000

STANDARD DRAWING NO. **E 808-MKNB-02**

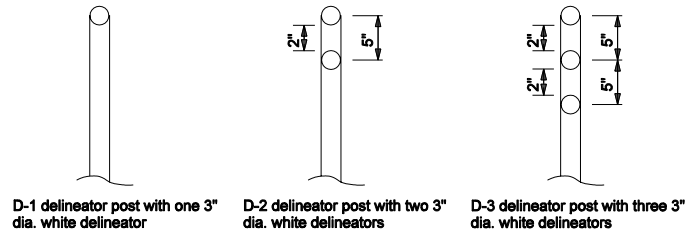
	/s/ Anthony L. Uremovich 1-03-00 DESIGN STANDARDS ENGINEER DATE
	/s/ Firooz Zandi 1-03-00 CHIEF HIGHWAY ENGINEER DATE



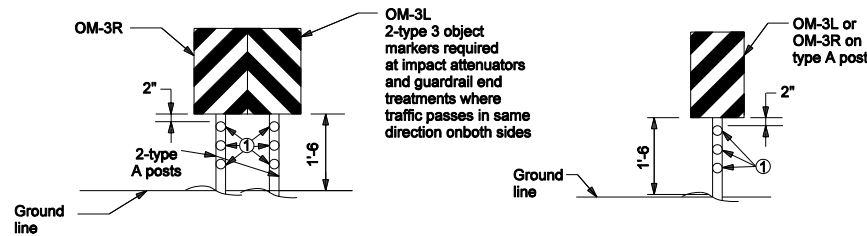
**SIGNAGE REQUIRED AT NARROW BRIDGE
ON TWO LANE ROADWAY**



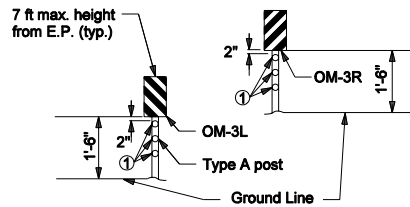
**SIGNAGE REQUIRED AT ONE LANE BRIDGE
ON TWO LANE ROADWAY**



DELINEATORS WITH POSTS



**TYPE 3 OBJECT MARKERS
PLACEMENT AT GUARDRAIL END TREATMENTS
AND IMPACT ATTENUATORS ②**

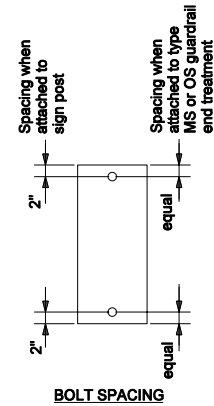


Type 3 object marker (R or L) shall be installed in line with the inner edge of the obstruction.

**TYPE 3 OBJECT MARKER
PLACEMENT AT ONE-LANE OR NARROW
BRIDGE ON TWO LANE ROADWAY**

NOTES

- ① Delineators:
OM-3L: 3 amber buttons on 5" centers
OM-3R: 3 white buttons on 5" centers
- ② Diagonal stripes similar in design to the Type 3 object marker, that have been applied by the manufacturer of approved impact attenuators or guardrail end treatments will be permitted in lieu of the object markers shown herein.

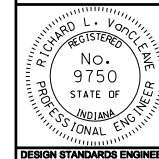


INDIANA DEPARTMENT OF TRANSPORTATION

PLACEMENT OF TRAFFIC CONTROL DEVICES

MARCH 2005

STANDARD DRAWING NO. E 808-MKNB-03




/s/ Richard L. VarCleave 3-01-05
DESIGN STANDARDS ENGINEER DATE

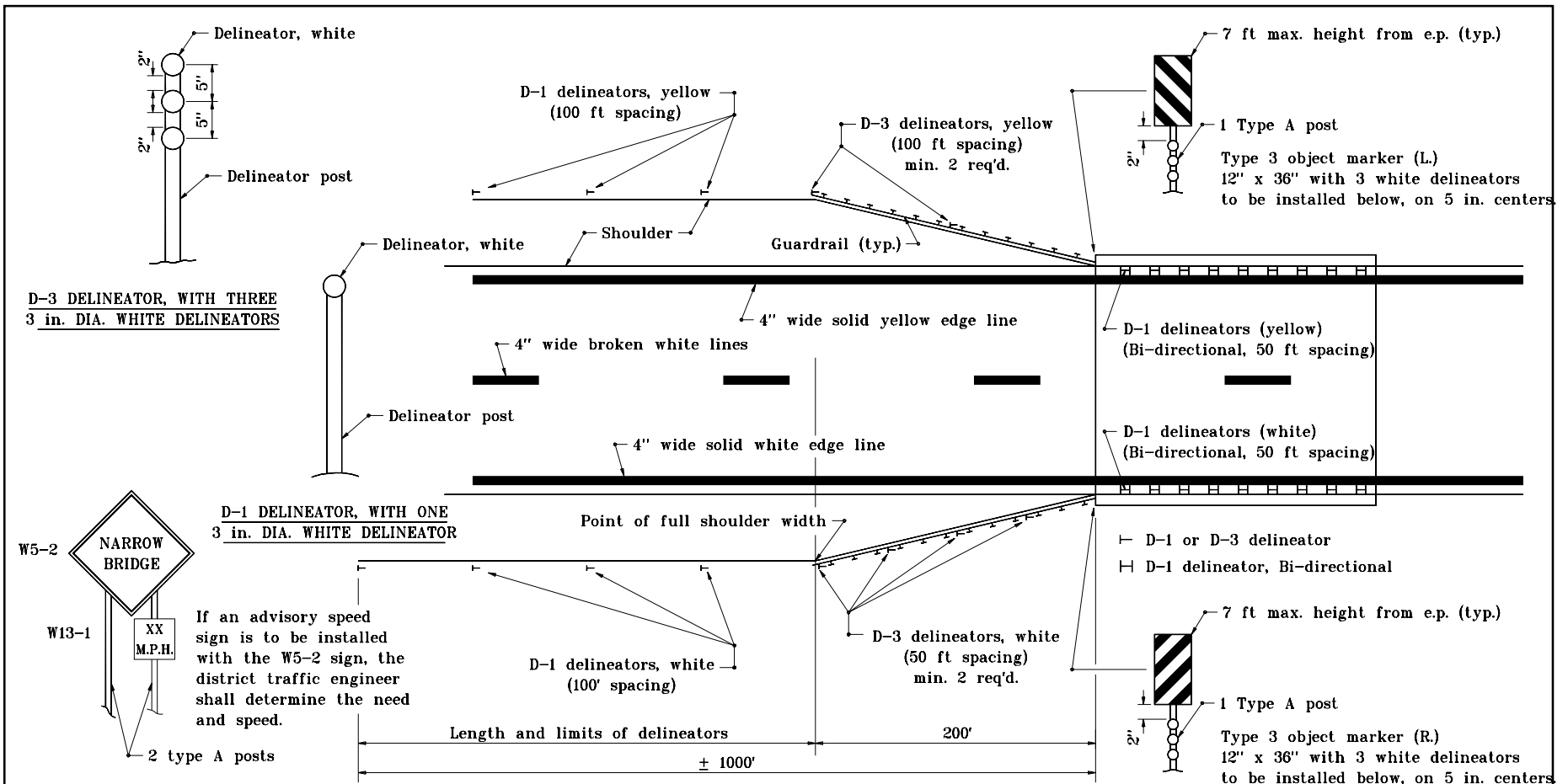
/s/ Richard K. Smutzer 3-01-05
CHIEF HIGHWAY ENGINEER DATE

DESIGN STANDARDS ENGINEER

GENERAL NOTES

1. No-passing zone signs are required if ADT is greater than 750 or posted speed limit is 50 mph or greater.
2. Signs of larger sizes than implied by sign designations may be used if desired.
3. A bridge or culvert, with a clear roadway of 18 ft to 22 ft inclusive, with a clear roadway of less than that of the approach pavement, or where the handrail or curb is less than 2 ft from the edge of pavement will be considered a narrow bridge. The W5-2 sign shall be installed for this condition.
4. A bridge or culvert with less than 18 ft between opposite vertical surfaces will be considered a one lane bridge. The W5-3 sign shall be installed for this condition.
5. D-3 delineators will be required if ADT is greater than 500 at a narrow bridge. D-3 delineators will be required if ADT is greater than 250 at a one lane bridge.
6. The minimum length of the no-passing zone at a narrow bridge shall be the distance APM - B. If the 85th percentile speed is not known, add 5 mph to the posted speed limit and use the appropriate distance APM - B.
7. The minimum length of the no-passing zone at a one lane bridge shall be the distance APM - A. If the 85th percentile speed is not known, add 5 mph to the posted speed limit and use the appropriate distance APM - A.
8. Where guardrail is installed, delineators shall be installed at the back side of the guardrail. Where the guardrail run ends and additional delineators are required, they shall be installed a minimum of 2 ft from the edge of the shoulder.
9. Type 3 object markers may not be required at all four corners of a culvert. Two type 3 object markers shall be installed back-to-back on a single post at the incoming side of the culvert. If delineators may be placed such that there is a 25 ft diagonal distance between the delineators on the opposite side of the roadway, D-3 delineator spacing may be increased to 100 ft.

INDIANA DEPARTMENT OF TRANSPORTATION	
PLACEMENT OF TRAFFIC CONTROL DEVICES	
JANUARY 2000	
STANDARD DRAWING NOE 808-MKNB-04	
 <p>ANTHONY L. UREMOWICH REGISTERED No. 18095 STATE OF INDIANA PROFESSIONAL ENGINEER</p>	<p>/s/ Anthony L. Uremovich 1-03-00 DESIGN STANDARDS ENGINEER DATE</p> <p>/s/ Firooz Zandi 1-03-00 CHIEF HIGHWAY ENGINEER DATE</p>
<small>DESIGN STANDARDS ENGINEER</small>	



INDIANA DEPARTMENT OF TRANSPORTATION	
TRAFFIC CONTROL DEVICES NARROW BRIDGE DIVIDED HIGHWAY	
MAY 1998	
STANDARD DRAWING NO. E 808-MKNB-05	
	DETAILS PLACED IN THIS FORMAT 11-15-99
	/s/ Anthony L. Uremovich 11-15-99 DESIGN STANDARDS ENGINEER DATE
	/s/ Firooz Zandi 11-15-99 CHIEF HIGHWAY ENGINEER DATE
DESIGN STANDARDS ENGINEER	ORIGINALLY APPROVED 5-01-98