



INDIANA DEPARTMENT OF TRANSPORTATION

Driving Indiana's Economic Growth

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Mitchell E. Daniels, Jr., Governor
Michael B. Cline, Commissioner

October 26, 2012

CONSTRUCTION MEMORANDUM 12- 09

TO: District Deputy Commissioners
District Construction Directors
District Testing Engineers
District Area Engineers
District LPA Coordinators
Field Engineers
Technical Service Directors
Project Engineers/Supervisors
Office of Materials Management

FROM: Mark A. Miller, Director 
Construction Management and District Support

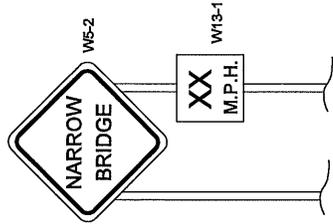
SUBJECT: Object Marker Placement at Guardrail End Treatments and Impact Attenuators and Payment

It has come to our attention that Contractors are not placing Type 3 object markers/delineation at guardrail end treatments and impact attenuators that are installed as part of our construction contracts. It appears that part of the problem is that the standards for the placement of the markers is shown on a standard sheet that you would not go to look for this information based on the title of the standard drawing. We plan to have this moved in the future so that it is easier to find, but in the mean time if you have a contract where you are installing a new guardrail end treatment or an impact attenuator you will need to reference STANDARD DRAWING NO. E 808-MKNB-03, titled; **PLACEMENT OF TRAFFIC CONTROL DEVICES**. This standard sheet covers the placement of the object markers/delineation. It should be noted that the Contractor may use diagonal stripes similar in design to the Type 3 object marker, that have been applied by the manufacturer of the approved impact attenuators or guardrail end treatments in lieu of the object marker shown, as per note 2.

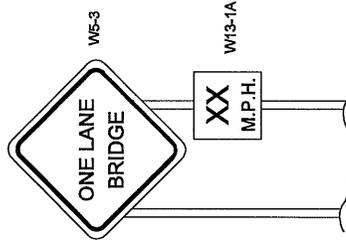
Also, please note that as per 601.14, starting on line 329, "The cost of reflectorization of impact attenuators and guardrail end treatments shall be included in the respective pay items." In other words, they are not paid for separately.

Questions concerning this subject may initially be directed to the appropriate District Construction personnel (AE-DCD) then the Construction Field Engineer for the District.

MAM/ggp



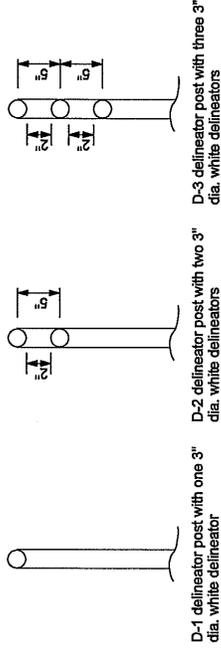
**SIGNAGE REQUIRED AT NARROW BRIDGE
ON TWO LANE ROADWAY**



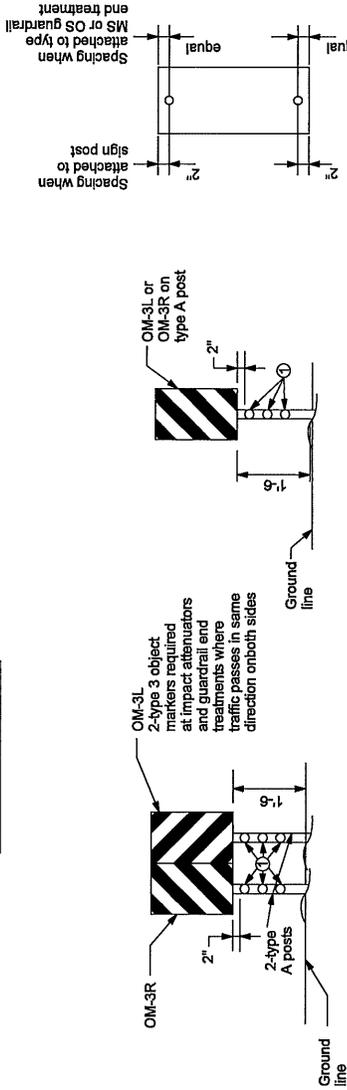
**SIGNAGE REQUIRED AT ONE LANE BRIDGE
ON TWO LANE ROADWAY**

NOTES

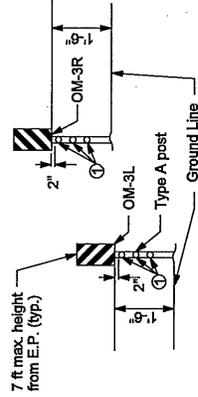
- ① Delineators:
OM-3L: 3 amber buttons on 5" centers
OM-3R: 3 white buttons on 5" centers
- ② Diagonal stripes similar in design to the Type 3 object marker, that have been applied by the manufacturer of approved impact attenuators or guardrail end treatments will be permitted in lieu of the object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



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**

INDIANA DEPARTMENT OF TRANSPORTATION	
PLACEMENT OF TRAFFIC CONTROL DEVICES	
MARCH 2005	
STANDARD DRAWING NO. E 808-MKNB-03	
	/s/ Richard L. VanCleave DESIGN STANDARDS ENGINEER DATE 3-01-05
	/s/ Richard K. Swartz CHIEF HIGHWAY ENGINEER DATE 3-01-05
DESIGN STANDARDS ENGINEER	