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-MKND-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
NARROW BRIDGE
WS-2
XX M.P.H.
W13-1

SIGNAGE REQUIRED AT NARROW BRIDGE ON TWO LANE ROADWAY

ONE LANE BRIDGE
WS-3
XX M.P.H.
W15-1A

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 herein.

DELINEATORS WITH POSTS

OM-3R
2-type 3 object markers required at impact attenuators and guardrail end treatments where traffic passes in same direction on both sides

2-type A posts

2" 14" 2" Ground line

TYPE 3 OBJECT MARKERS

PLACEMENT AT GUARDRAIL END TREATMENTS AND IMPACT ATTENUATORS 2

OM-3L
7 ft max. height from E.P. (typ.)

Type A post

Ground Line

BOLT SPACING

INDIANA DEPARTMENT OF TRANSPORTATION

PLACEMENT OF TRAFFIC CONTROL DEVICES

MARCH 2005

STANDARD DRAWING NO. E 808-MKMB-03

DESIGN STANDARD ENGINEER

DATE

CITY HIGHLAND ENGINEER

DATE