

NOTES

1. DESIGN SHOWN IN THIS DRAWING IS FOR EXAMPLE PURPOSES ONLY, SEE MANUFACTURER'S DRAWINGS FOR COMPONENTS AND INSTALLATION INSTRUCTIONS.
 2. IMPACT ATTENUATOR SHALL BE SELECTED FROM VDOT'S NCHRP 350 APPROVED OR PROVISIONAL MASH LIST FOR TYPE I RE-DIRECTIVE LOW MAINTENANCE CATEGORY. ALL UNITS MUST HAVE SUCCESSFULLY PASSED MASH OR THE NCHRP 350 TL-3 TESTING CRITERIA AND BEEN ACCEPTED BY FHWA.
 3. ALL STEEL HARDWARE COMPONENTS SHALL BE GALVANIZED.
 4. IMPACT ATTENUATOR MANUFACTURER MUST FURNISH DETAILS FOR REQUIRED ANCHORING SYSTEM. FOR DIMENSIONS OF UNIT AND CONCRETE FOUNDATION SEE MANUFACTURER'S DRAWINGS AND SPECIFICATIONS.
 5. CROSS SLOPE OF THE PAD SHALL NOT EXCEED A 8% (12:1) SLOPE.
 6. ANY LOCATION WHERE THERE IS REVERSE DIRECTION TRAFFIC A TRANSITION PANEL SHALL BE SUPPLIED BY THE MANUFACTURER AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS DRAWINGS AND SPECIFICATIONS.
 7. DUE TO THE VARYING LENGTHS OF PROPRIETARY IMPACT ATTENUATORS THE DESIGNER SHOULD ALLOW 30' FOR THE LENGTH OF THE ATTENUATOR.
 8. FLUORESCENT PRISMATIC LENS YELLOW SHEETING SHALL BE USED ON THE REFLECTIVE MARKERS. ALL REFLECTIVE SHEETING IS TO BE IN ACCORDANCE WITH SECTION 701 OF THE ROAD AND BRIDGE SPECIFICATIONS. STRIPES SHALL SLOPE DOWN TOWARD THE SIDE OF THE OBSTRUCTION ON WHICH TRAFFIC IS TO PASS.
- COLOR:
- FIELD - YELLOW (REFLECTORIZED)
- MESSAGE - BLACK STRIPES (NON-REFLECTORIZED)
9. PAINT CHEVRON STRIPES AND INSTALL REFLECTIVE MARKERS ON PAVEMENT AT THE FRONT OF THE UNIT FOR MAXIMUM VISIBILITY.
 10. MEASUREMENT AND PAYMENT:
LOW MAINTENANCE TYPE 1 IMPACT ATTENUATOR WILL BE MEASURED IN UNITS OF EACH COMPLETE-IN-PLACE. PAYMENT SHALL BE FULL COMPENSATION FOR FURNISHING AND INSTALLING IMPACT ATTENUATOR, REFLECTORIZED MARKER, PORTLAND CONCRETE FOUNDATION, REINFORCING STEEL, REQUIRED BACKUP, TRANSITION PANEL, AND ALL MATERIALS, LABOR, EXCAVATION, TOOLS, EQUIPMENT AND ANY INCIDENTALS NECESSARY TO COMPLETE THE WORK.
 11. SEE PAGE 505.03 FOR SITE PREPARATION REQUIREMENTS WHEN IMPACT ATTENUATOR IS INSTALLED ON A SHOULDER.



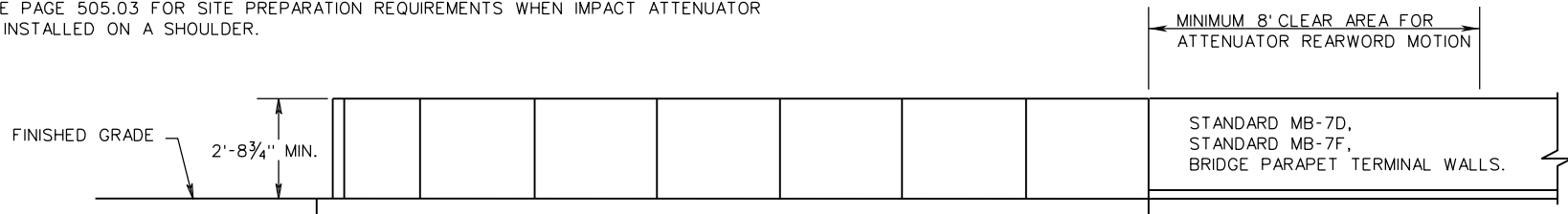
THROUGH ROADWAY MARKER
POSITION LEFT OF TRAFFIC



THROUGH ROADWAY MARKER
POSITION RIGHT OF TRAFFIC



GORE AREA REFLECTIVE MARKER



A REINFORCED CONCRETE FOUNDATION IS REQUIRED, DESIGN DETAILS ARE TO BE FURNISHED BY THE IMPACT ATTENUATOR MANUFACTURER. MINIMUM COMPRESSIVE STRENGTH OF CONCRETE SHALL BE 4000 PSI.

ELEVATION VIEW

ITEM CODE 13603 IMPACT ATTEN. TY. 1 (TL-3, LOW MAINTENANCE) EACH

SPECIFICATION REFERENCE	A COPY OF THE ORIGINAL SEALED AND SIGNED STANDARD DRAWING IS ON FILE IN THE CENTRAL OFFICE		ROAD AND BRIDGE STANDARDS	
	105 221 505 512	IMPACT ATTENUATOR LOW MAINTENANCE TYPE 1 RE- DIRECTIVE IMPACT ATTENUATOR (TL-3 ≥ 40 MPH) VIRGINIA DEPARTMENT OF TRANSPORTATION		