



Number: E-04-006

Date: 12/03/2004

ENGINEERING DIRECTIVE

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CHIEF ENGINEER

NEW CONSTRUCTION DRAWINGS FOR INSTALLATION OF RUMBLE STRIPS

Effective immediately, the *1996 Metric Edition Construction and Traffic Standard Details* and the *1977 [English Edition] Construction Standards* are amended with the following new drawings (attached):

M/E 105.4.0 Installation of Rumble Strips

M/E 105.4.1 Notes for Installation of Rumble Strips

These drawings are available for immediate use on all projects currently under design or in construction where Rumble Strips are required.

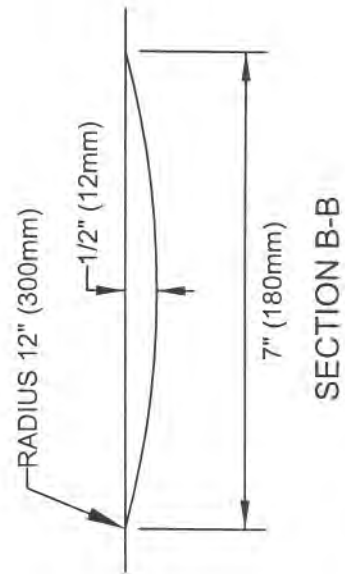
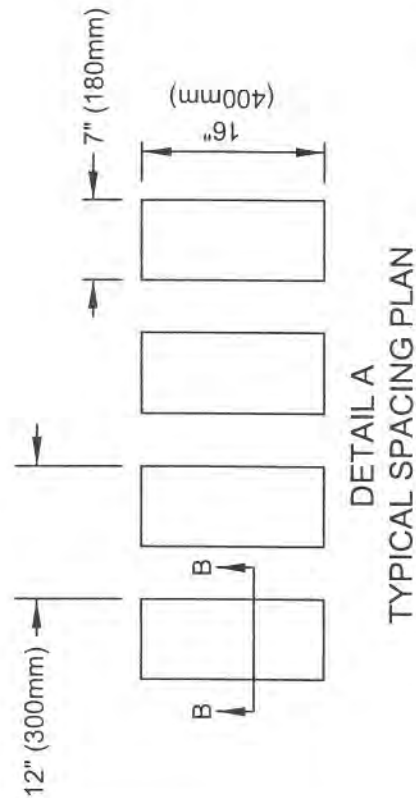
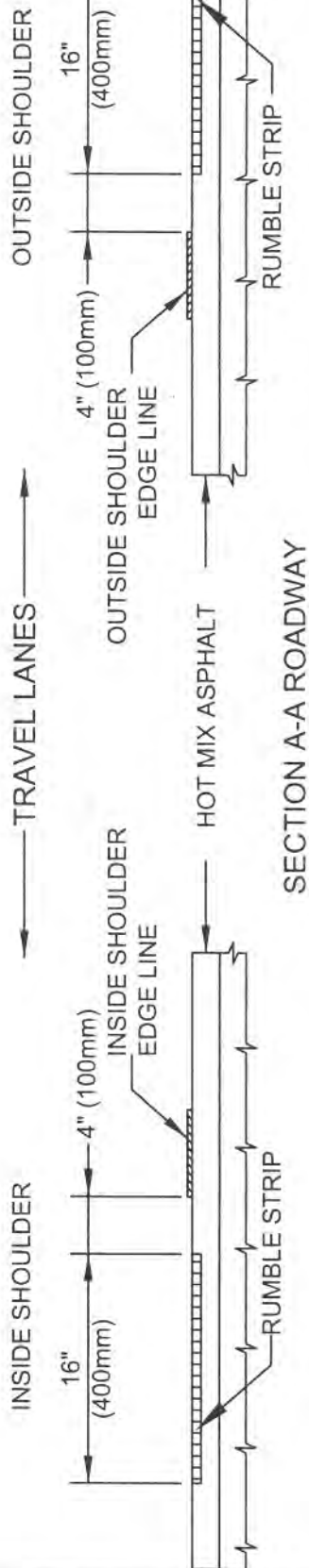
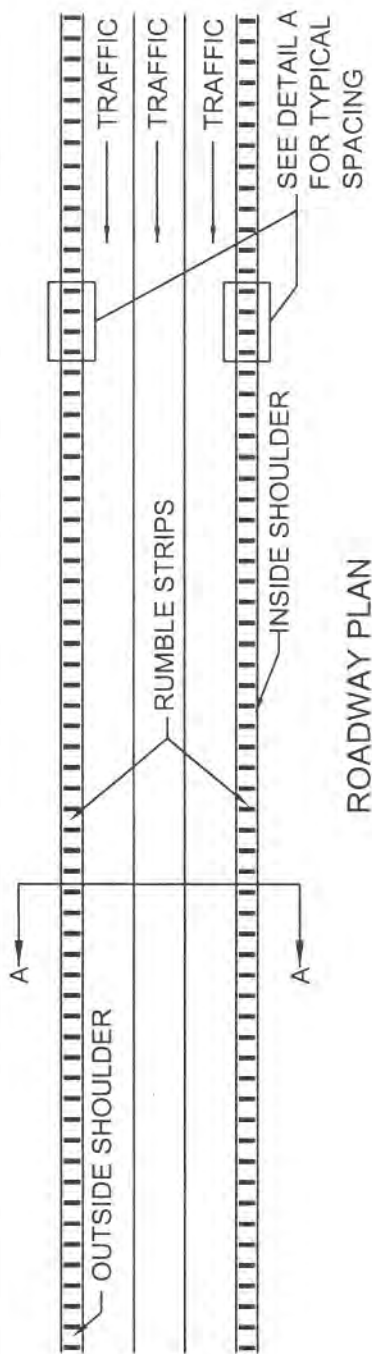
Rumble Strips shall also be installed in accordance with the *Standard Specifications for Highways and Bridges* and MassHighway policy.

Attachments:

Distribution: _____

Please Post: _____

Do Not Post: _____



FOR NOTES ON INSTALLATION OF RUMBLE STRIPS SEE DWG. M/E 105.4.1

NOTES FOR FULL ACCESS CONTROL HIGHWAYS:

1. ON PAVED SHOULDERS (OUTSIDE AND/OR INSIDE) OF 2'(0.6M) OR GREATER, RUMBLE STRIPS SHALL BE INSTALLED IN THE SHOULDER 4"(100MM) FROM THE EDGE LINE (OUTSIDE AND/OR INSIDE).
2. IF TRAVEL IS LEGALLY PERMITTED ON A PAVED SHOULDER, RUMBLE STRIPS SHALL NOT BE INSTALLED IN THAT SHOULDER.
3. IF ACCELERATION AND DECELERATION LANES HAVE NO PAVED SHOULDERS, RUMBLE STRIPS SHALL BE TERMINATED AT THE BEGINING OF THE PAVED DECELERATION LANE AND INITIATED AT THE END OF THE ACCELERATION LANE.

NOTE FOR ALL HIGHWAYS WITH A POSTED SPEED LIMIT OF 40 MPH OR GREATER:

1. ON PAVED OUTSIDE SHOULDERS OF 8'(2.5M) OR GREATER AND ON PAVED INSIDE (MEDIAN) SHOULDERS OF DIVIDED ROADWAYS OF 2'(0.6M) OR GREATER, RUMBLE STRIPS SHALL BE INSTALLED IN THE SHOULDER 4"(100MM) FROM THE EDGE LINE (OUTSIDE AND/OR INSIDE).
2. RUMBLE STRIPS SHALL NOT BE INSTALLED IN ANY OUTSIDE SHOULDER OF LESS THAN 8'(2.5M).
3. THE MINIMUM LENGTH FOR RUMBLE STRIP APPLICATION IS 0.5 MILES (800M). RUMBLE STRIPS SHALL NOT BE INSTALLED WITHIN 50'(15M) OF INTERSECTIONS OR MAJOR DRIVEWAYS.

NOTE FOR ALL BRIDGES:

1. RUMBLE STRIPS SHALL NOT BE INSTALLED ON ANY BRIDGE DECKS.