

William R. "Bill" Minor
Northern District Commissioner

Dick Hall
Central District Commissioner

Clyde H. Brown
Southern District Commissioner



Larry L. "Butch" Brown
Executive Director

Harry Lee James
Deputy Executive Director/
Chief Engineer

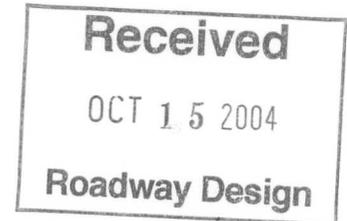
Brenda Znachko
Deputy Executive Director/
Administration

P. O. Box 1850 / Jackson, Mississippi 39215-1850 / Telephone (601) 359-7001 / FAX (601) 359-7110 / www.goMDOT.com

Inter-Departmental Memorandum

Date: October 8, 2004
To: District Engineers
Asst. Chief Engineers
From: Chief Engineer
Harry Lee James, P.E., P.L.S.

A handwritten signature in black ink, appearing to be "H. Lee James", is written over the name in the "From:" field.



Subject: Use of Rumble Strips on 4-Lane Divided Roadways

Effective with the January, 2005 letting, all construction and maintenance projects shall include rumble strips on paved shoulders for all 4-lane divided roadway projects. Rumble strips are not to be included on temporary roadways, curb and gutter sections, interchange ramps, or crossroads. Consideration should be given to not placing rumble strips on shoulders adjacent to residential areas due to the noise impact.

Two (2) drawings are attached showing the details of the rumble strips. One (1) drawing illustrates the use of rumble strips on paved shoulder widths of 2 feet, and the other indicates the use of rumble strips on paved shoulder widths wider than 2 feet.

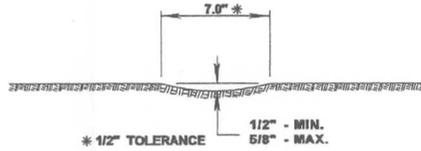
If electronic files are needed, you may contact Steve Reeves in Roadway Design Division.

HLJ:JDF:JBP

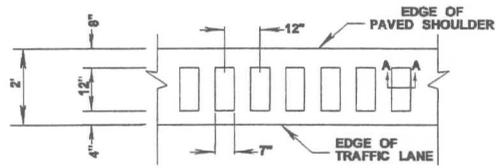
Attachments

pc: Roadway Design Division ✓
Maintenance Division
Traffic Engineering Division
Construction Division
FHWA
File



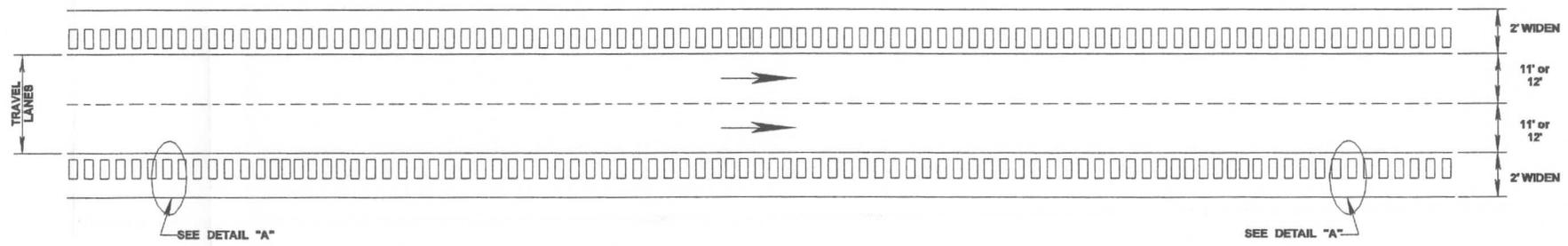


SECTION "A-A"



DETAIL "A"

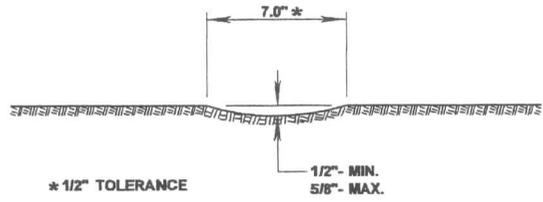
- GENERAL NOTES**
1. GROUND-IN RUMBLE STRIPS SHALL BE APPLIED ON LEFT AND RIGHT SHOULDERS OF ALL PAVED SHOULDERS ON THIS PROJECT
 2. GROUND-IN RUMBLE STRIPS SHALL BE OMITTED ACROSS PRINCIPAL INTERSECTING ROADWAYS OR OTHER INTERRUPTIONS IN NORMAL SHOULDER WIDTH AS DIRECTED BY THE ENGINEER
 3. COST TO BE PAID FOR USING APPROPRIATE PAY ITEMS
 4. GROUND-IN RUMBLE STRIPS SHALL BE APPLIED TO MAINLINE ONLY.
 5. DO NOT USE WHERE TRAVEL LANE IS LESS THAN 11' WIDE.



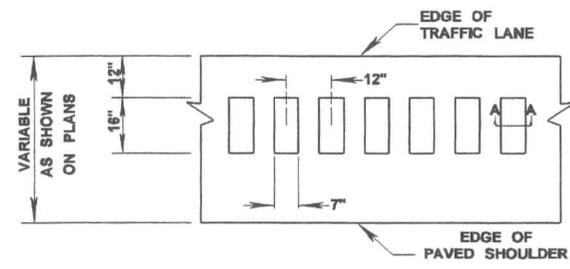
PLAN
 NOT TO SCALE

BY		MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
REVISION		SPECIAL DESIGN:	
		RUMBLE STRIPS (GROUND-IN)	
		FOR 4-LANE DIVIDED	
		ROADWAYS WITH	
		2-FOOT PAVED SHOULDER	
DATE	FILENAME: \\r s\rumblestrips.dgn	WORKING NUMBER	SHEET NUMBER
DESIGN TEAM	s.reeves	CHECKED	DATE 09/17/04

PROJECTS: RUMBLE STRIPES: RUMBLESTRIP.PLOT.DGN
 10/26/2004 11:13:41 AM RUMBLESTRIP.PLOT.DGN
 MISSISSIPPI DEPARTMENT OF TRANSPORTATION

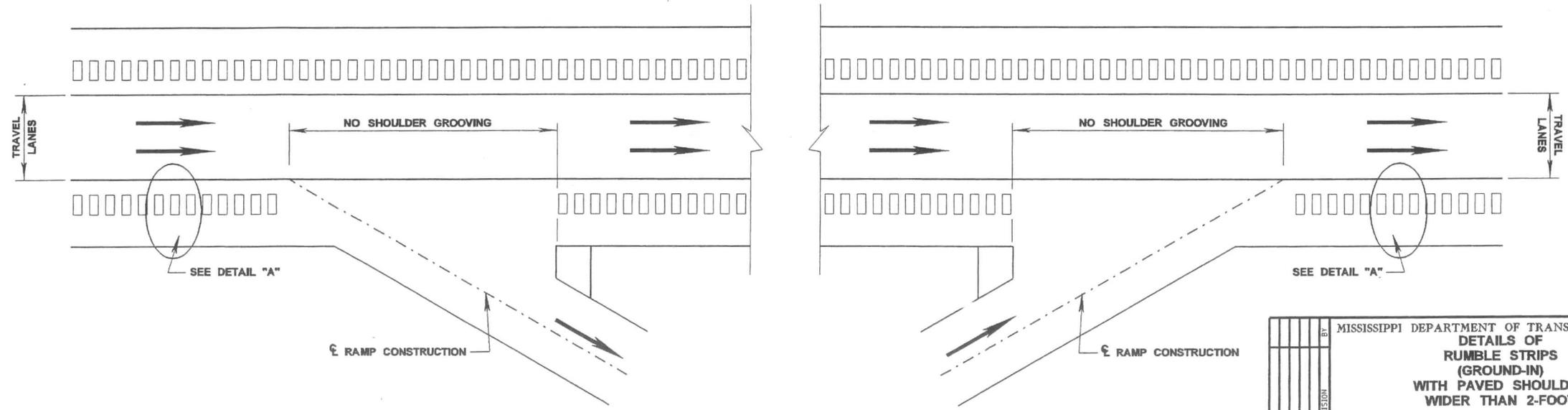


SECTION "A-A"



DETAIL "A"

- GENERAL NOTES**
- GROUND-IN RUMBLE STRIPS SHALL BE APPLIED ON LEFT AND RIGHT SHOULDERS OF ALL PAVED SHOULDERS ON THIS PROJECT
 - GROUND-IN RUMBLE STRIPS SHALL BE OMITTED ACROSS PRINCIPAL INTERSECTING ROADWAYS OR OTHER INTERRUPTIONS IN NORMAL SHOULDER WIDTH AS DIRECTED BY THE ENGINEER
 - COST TO BE PAID FOR IN PAY ITEM 907-423-A RUMBLE STRIPS (GROUND-IN).
 - GROUND-IN RUMBLE STRIPS SHALL BE APPLIED TO MAINLINE ONLY.



PLAN

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
DETAILS OF RUMBLE STRIPS (GROUND-IN) WITH PAVED SHOULDER WIDER THAN 2-FOOT	
PROJECT. NO. :	WORKING NUMBER
COUNTY:	RS-1
FILENAME: V8_dans/groove.dgn	SHEET NUMBER
DESIGN TEAM: s reeves CHECKED	DATE: 09/17/04

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 STATE CAPITAL BUILDING
 JACKSON, MISSISSIPPI 39201