

1 Make the following Section a part of the Standard Specifications:  
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3

4 **"SECTION 615 – MILLED RUMBLE STRIP**  
5

6 **615.01 Description.** This section describes constructing Centerline,  
7 Shoulder, and Edgeline Milled Rumble Strips (MRS) in HMA pavement.  
8

9 **615.02 Materials.** None.  
10

11 **615.03 Construction.**  
12

13 **(A) Submittal.** Method of constructing the milled rumble strip shall  
14 be submitted to the Engineer for acceptance. Meeting shall be  
15 scheduled 14 days before start of construction work. Discuss sequence  
16 of work plans, and proposal for dust control.  
17

18 **(B) Equipment.** Milling equipment shall be equipped with a rotary-  
19 type cutting head with cutting tips arranged in a pattern as to provide a  
20 relatively smooth cut, approximately 1/16 inches between peaks and  
21 valleys.  
22

23 The cutting head(s) shall be on a suspension independent from the  
24 power unit to allow the head(s) to self-align with surface slopes and  
25 irregularities.  
26

27 The machine shall have a guidance system that provides  
28 consistent alignment of each cut in relation to the roadway and provide  
29 uniformity and consistency throughout the project.  
30

31 **(C) Longitudinal Spacing.** The Milled Rumble Strip (MRS) shall be  
32 placed perpendicular to the roadway with longitudinal spacing as follow:  
33

34 Centerline MRS: 20 inch on-center  
35

36 The 20 inch on-center longitudinal spacing for Centerline MRS is  
37 designed to accommodate various centerline pavement striping and  
38 raised pavement marker configurations. It will allow placement of raised  
39 pavement markers between the concave depressions.  
40

41 **(D) Milling Operations.** Clean pavement surface before constructing  
42 the rumble strips. Mill the concave depressions to the dimensions shown  
43 in the plans.  
44

45 Align the concave depressions as shown in the plans. Alignment  
46 of milled rumble strips shall not deviate from the plans more than  $\pm 2$   
47 inches.

48  
49 After the concave depressions are milled into the pavement  
50 surface, use a power broom or sweeper/vacuum to collect the waste  
51 material resulting from the milling operations.  
52

53 Contractor shall dispose the waste material as directed by the  
54 Engineer at no increase in contract price or contract time.  
55

56 **615.04 Measurement.** The Engineer will measure milled rumble strip per  
57 linear foot in accordance with the contract documents.  
58

59 **615.05 Payment.** The Engineer will pay for the accepted pay item listed  
60 below at contract price per linear foot, as shown in the proposal schedule.  
61 Payment will be full compensation for the work prescribed in this section and the  
62 contract documents.  
63

64 The Engineer will pay for the following pay item when included in the  
65 proposal schedule:  
66

67 Pay Item	68 Pay Unit
69 16-Inch Milled Rumble Strip, Centerline	70 Linear foot"

71  
72  
73  
74 **END OF SECTION 615**  
75