

18.0 TRAFFIC CONTROL PLANS

- 18.1 Alternate traffic control plans may be presented to the SHA District Office for approval in conformance with Section 104.01 of the Standard Specifications for Construction and Materials.
- 18.2 For emergency repair operations, a lesser number of traffic control devices (TCDs) than the full compliment may be used. This generally will consist of one sign per direction, flashing lights on the vehicle, and minimum number of channelizing devices, flags, or high level warning devices. Additional TCDs such as arrow panel(s), additional signing, etc., shall be placed as soon as possible in accordance with the standard TTCTA.
- 18.3 Where closely spaced work zones create conflicting traffic patterns (e.g. left-lane closure followed by right-lane closure), they should be no closer than 1.5 miles apart (last sign to first sign). Where work zones are closely spaced, but where traffic patterns are not significantly altered and no conflicts exist, no minimum spacing is required; however, care should be exercised to present appropriate and non-conflicting guidance to the public.
- 18.4 All signs, channelizing devices, and other traffic control devices shall be in conformance with the latest edition of the MdMUTCD.

19.0 TEMPORARY PORTABLE RUMBLE STRIPS (TPRS)

19.1 RECOMMENDED USE:

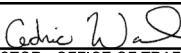
TPRS should be considered for use in work zones in advance of detours, flaggers, lane closures, temporary traffic signals, and locations that require reduction in speed and /to alert drivers of the upcoming changes to the road conditions. Refer to the "Temporary Portable Rumble Strip Guidelines" for additional guidance on usage and placement.

19.2 MANDATORY USE:

TPRS shall be used when all the following conditions are met:

- Work zone activities involve daytime flagging operations performed by a certified flagger using STOP/SLOW paddle on a two-lane roadway, and
- Duration of work zone activity at a location is greater than 3 hours, and
- Posted speed limit is greater than or equal to 40 MPH.

TPRS are not required when an Automated Flagger Assistance Device (AFAD) is used for remote flagging.

SPECIFICATION 000	CATEGORY CODE ITEMS	 MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES GENERAL NOTES STANDARD NO. MD 104.00-18	
APPROVED	 DIRECTOR - OFFICE OF TRAFFIC AND SAFETY		
APPROVAL SHA REVISIONS	APPROVAL FEDERAL HIGHWAY ADMINISTRATION		
APPROVAL 8-20-03	APPROVAL 9-23-03		
REVISED	REVISED 12-06-23		
REVISED 04-07-26	REVISED 04-02-26		
REVISED	REVISED		