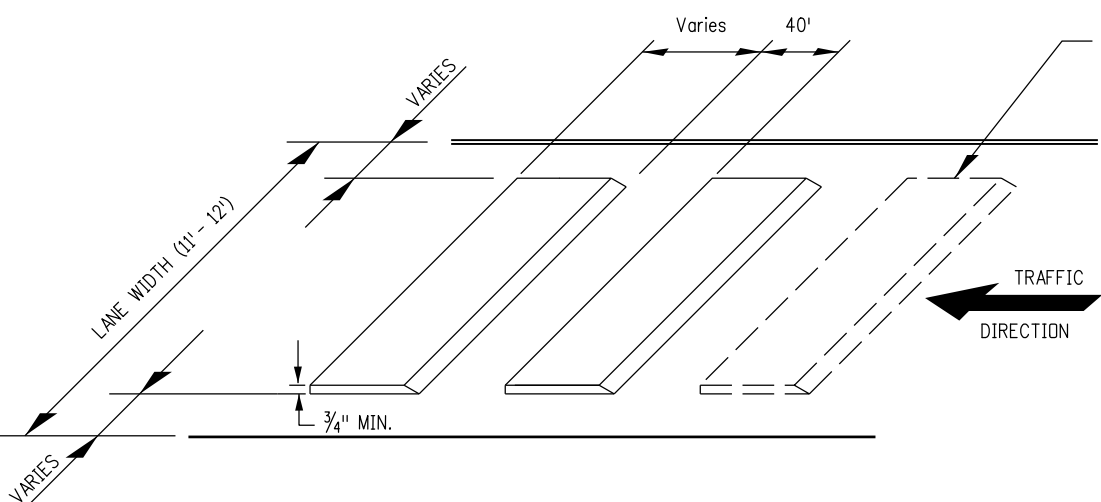


**CASE NO. 1
TYPICAL APPLICATION
TWO-LANE UNDIVIDED HIGHWAY**



DETAIL - TEMPORARY PORTABLE RUMBLE STRIP ARRAY

GENERAL NOTES

OPTIONAL RUMBLE STRIP (SEE NOTE 10)

- TEMPORARY PORTABLE RUMBLE STRIP ARRAYS SHALL BE PLACED IN ADVANCE OF EACH FLAGGING STATION WHEN CALLED FOR IN THE PLANS.
- TEMPORARY PORTABLE RUMBLE STRIP ARRAYS ARE USED TO SUPPLEMENT A SERIES OF ADVANCED WARNING SIGNS AND SHALL BE INSTALLED AND REMOVED WHEN THE SIGNS ARE INSTALLED AND REMOVED.
- REMOVE THE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO REMOVING THE ADVANCED WARNING SIGNS.
- LANE WIDTHS SHOULD BE MAINTAINED THROUGH WORK ZONE TRAVEL LANES WHEREVER PRACTICAL.
- DO NOT USE TEMPORARY RUMBLE STRIPS ON SLIPPERY SURFACES, SUCH AS WET OR SANDY PAVEMENT.
- DO NOT USE TEMPORARY RUMBLE STRIPS ON HORIZONTAL CURVES.
- USE TEMPORARY PORTABLE RUMBLE STRIPS ON ROADWAYS WITH POSTED WORK ZONE SPEED LIMITS OF 75 MPH OR LESS.
- FOR THE LOWEST AIR TEMPERATURE TO APPLY THE TEMPORARY PORTABLE RUMBLE STRIPS ON ROAD PAVEMENTS, CONTACT THE TEMPORARY PORTABLE RUMBLE STRIP MANUFACTURER.
- INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- OPTIONAL RUMBLE STRIP TO INSTALL, AS DIRECTED BY THE ENGINEER.

LEGEND

- CHANNELIZING DEVICE; FOR TYPE OF DEVICE TO BE USED, SEE THE SCHEDULE OF CONSTRUCTION TRAFFIC CONTROL DEVICES INCLUDED IN PLANS.
- ← DIRECTION OF TRAVEL
- ↑ FLAGGER
- ▨ WORK AREA


T = TERMINATION TAPER = 100'
 S = WORK ZONE SPEED LIMIT
 W = LANE WIDTH
 L = MERGING TAPER (S > 45 MPH) = WxS
 L = MERGING TAPER (S < 45 MPH) = (WxS²)/60
 N = NUMBER OF DEVICES (L/S) + 1
 N = NUMBER OF DEVICES AT TERMINATION TAPER = 5 (MIN.)

***KEY TO ADVANCE SIGNING DISTANCES**

ROAD TYPE	DISTANCE BETWEEN SIGNS (FT.)		
	A	B	C
URBAN (S < 45 MPH)	100	100	100
URBAN (S ≥ 45 MPH)	350	350	350
RURAL	500	500	500

Computer File Information	
Creation Date: 07/04/12	Initials: KEN
Last Modification Date: 05/22/18	Initials: DiNARDO
Full Path: www.coloradodot.info/library/traffic/traffic-s-standard-plans	
Drawing File Name: S-630-05_1of2.dgn	
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English	

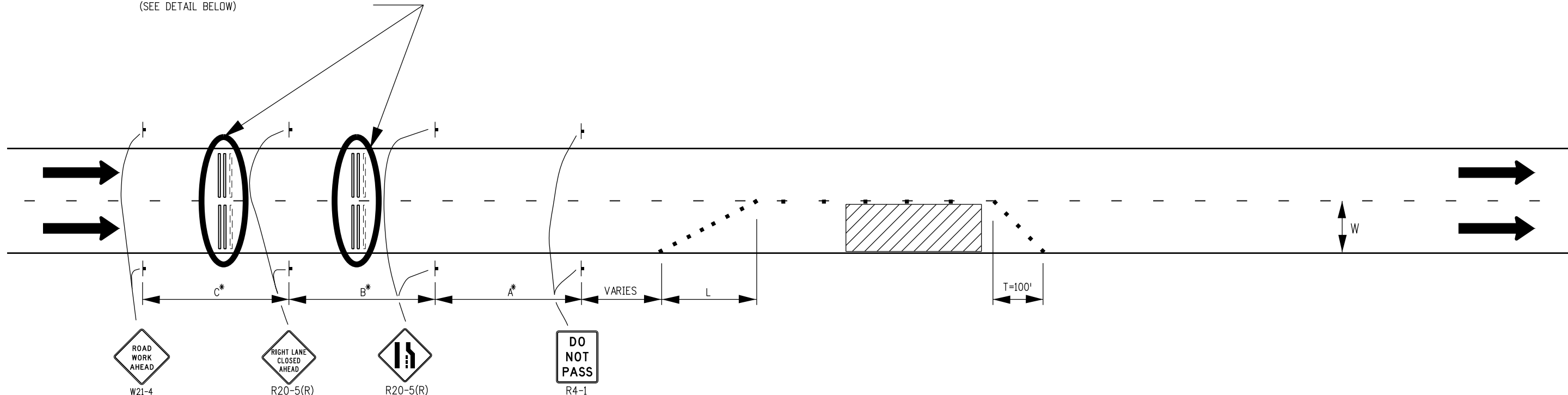
Sheet Revisions		
Date:	Comments	
01/24/13	Made 3rd Rumble Strip Array Optional	
07/26/13	Corrected Sign Code Designation for Flagger (Symbol) Sign to W20-7	
08/11/15	Modified Minimum Thickness to 3/4" Modified Max Speed to 75 MPH	
05/22/18	Modified "Variable" Spacing to a Defined 40 feet	


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Safety & Traffic Engineering **KCM**

PORTABLE RUMBLE STRIPS (TEMPORARY)
 Issued By: Safety & Traffic Engineering Branch July 4, 2012

STANDARD PLAN NO.
S-630-5
Sheet No. 1 of 2

TEMPORARY PORTABLE RUMBLE STRIP ARRAYS
(SEE DETAIL BELOW)



CASE NO. 2
TYPICAL APPLICATION
MULTI-LANE DIVIDED HIGHWAY WITH RIGHT LANE CLOSED

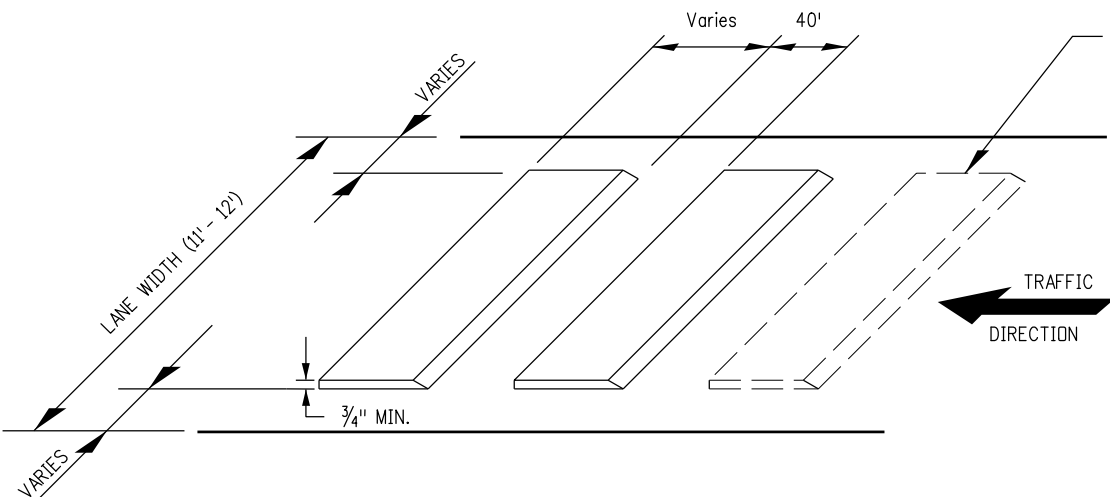
LEGEND

- CHANNELIZING DEVICE; FOR TYPE OF DEVICE TO BE USED, SEE THE SCHEDULE OF CONSTRUCTION TRAFFIC CONTROL DEVICES INCLUDED IN PLANS.
- ➔ DIRECTION OF TRAVEL
- ▨ WORK AREA
- T = TERMINATION TAPER = 100'
- S = WORK ZONE SPEED LIMIT
- W = LANE WIDTH
- L = MERGING TAPER (S ≥ 45 MPH) = WxS
- L = MERGING TAPER (S < 45 MPH) = (WxS²)/60
- N = NUMBER OF DEVICES (L/S) + 1
- N = NUMBER OF DEVICES AT TERMINATION TAPER = 5 (MIN.)

GENERAL NOTES

OPTIONAL RUMBLE STRIP (SEE NOTE 9)

1. TEMPORARY PORTABLE RUMBLE STRIP ARRAYS ARE USED TO SUPPLEMENT A SERIES OF ADVANCED WARNING SIGNS AND SHALL BE INSTALLED AND REMOVED WHEN THE SIGNS ARE INSTALLED AND REMOVED.
2. REMOVE THE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO REMOVING THE ADVANCED WARNING SIGNS.
3. LANE WIDTHS SHOULD BE MAINTAINED THROUGH WORK ZONE TRAVEL LANES WHEREVER PRACTICAL.
4. DO NOT USE TEMPORARY RUMBLE STRIPS ON SLIPPERY SURFACES, SUCH AS WET OR SANDY PAVEMENT.
5. DO NOT USE TEMPORARY RUMBLE STRIPS ON HORIZONTAL CURVES.
6. USE TEMPORARY PORTABLE RUMBLE STRIPS ON ROADWAYS WITH POSTED WORK ZONE SPEED LIMITS OF 75 MPH OR LESS.
7. FOR THE LOWEST AIR TEMPERATURE TO APPLY THE TEMPORARY PORTABLE RUMBLE STRIPS ON ROAD PAVEMENTS, CONTACT THE TEMPORARY PORTABLE RUMBLE STRIP MANUFACTURER.
8. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
9. OPTIONAL RUMBLE STRIP TO INSTALL, AS DIRECTED BY THE ENGINEER.



DETAIL - TEMPORARY PORTABLE RUMBLE STRIP ARRAY


***KEY TO ADVANCE SIGNING DISTANCES**

ROAD TYPE	DISTANCE BETWEEN SIGNS (FT.)		
	A	B	C
URBAN (S < 45 MPH)	100	100	100
URBAN (S ≥ 45 MPH)	350	350	350
RURAL	500	500	500
EXPRESSWAY/FREEWAY	1,000	1,500	2,640

Computer File Information	
Creation Date: 07/04/12	Initials: KEN
Last Modification Date: 05/22/18	Initials: DiNARDO
Full Path: www.coloradodot.info/library/traffic/traffic-s-standard-plans	
Drawing File Name: S-630-05_2of2.dgn	
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English	

Sheet Revisions	
Date:	Comments
01/24/13	Made 3rd Rumble Strip Array Optional
08/11/15	Modified Minimum Thickness to 3/4" Modified Max Speed to 75 MPH
05/22/18	Modified "Variable" Spacing to a Defined 40 feet

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PORTABLE RUMBLE STRIPS (TEMPORARY)

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STANDARD PLAN NO.

S-630-5

Sheet No. 2 of 2