APPROACH SPED*MINIMUM TAPER LENGTHBUFLERDo Internet LENGTHDo Internet AREADo Internet SPACEWORK 20NE CLEAR 20NE WIDTHROAD TYPEBUFNET SIGNS IN METERS2. FPHkm/hMETERMETERSPACE LENGTHTAPER AREASPACE SPACESPACE SPACECLEAR 20NE WIDTHWIDTH30<		LENGTH AND SPACIN	G TABLE						SIG	GN SPACING TA	BLE			N
SPEED*         Outlinding hares (SARCE)         (JAPER (BORG))         (LEARS (SARCE))         (LEARS (SAR	лааралсн										I. Sig			
PH         Km/h         METER         MET		MINIMUM TAPER LENGTH					CLEAR ZONE		ROAD TY	ΥPE				5
00       30       Shifting lapper formula:       35       6       12       12       3.0         10       10       100														2. F
15       40       L =       WS2       for S ≤ 20 km/h       45       8       15       15       3.0         15       55       55       12       120       121       121       121       121       130       150														f
00       00       00       10       10       10       10       10       10       10       11 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>3 1</td></th<>														3 1
$\frac{55}{20} = \frac{57}{80}$ $\frac{1}{25} = \frac{1}{32}$ $\frac{55}{10} = \frac{1}{10}$ $\frac{75}{11} = \frac{1}{21} = \frac{21}{24} = \frac{3.0}{4.6}$ $\frac{75}{10} = \frac{1}{10} = \frac{1}{12} = \frac{21}{24} = \frac{3.6}{2.4}$ $\frac{75}{24} = \frac{1}{24} = \frac{4.6}{6.1}$ $\frac{1}{10} = \frac{1}{12} = \frac{21}{24} = \frac{2.4}{2.4} = \frac{6.6}{6.1}$ $\frac{1}{10} = \frac{1}{12} = \frac{21}{24} = \frac{2.4}{2.4} = \frac{6.6}{6.1}$ $\frac{1}{10} = \frac{1}{12} = \frac{21}{24} = \frac{2.4}{2.4} = \frac{6.6}{6.1}$ $\frac{1}{10} = \frac{1}{12} = \frac{21}{24} = \frac{2.4}{2.4} = \frac{6.6}{6.1}$ $\frac{1}{10} = \frac{1}{12} = \frac{1}{24} = \frac{2.4}{2.4} = \frac{6.6}{6.1}$ $\frac{1}{10} = \frac{1}{12} = $		$-L = \frac{WS^2}{310}$ for $S \le 70$ km/h												J. 1 F
00       65       L = 3.2       107 S 2 10 KM/n       95       12       24       24       4.6         155       700       Where:       130       15       30       30       6.1         15       90       W = Width of offset in meters       150       17       34       34       6.1         15       90       W = Width of offset in meters       150       17       34       37       37       9.0         100       95       5       Motion offset in meters       150       17       34       34       6.1         100       95       5       Motion offset in meters       175       18       37       37       9.0         110       115       to work in kilometers per hour       125       20       40       40       9.0         10proach speed based on the regulatory posted speed, not the advisory speed.       15       16       16       16         G20-2       500       500       500       500       17       43       43       9.0         Ipproach speed based on the regulatory posted speed, not the advisory speed.       Remove conflicting pavement markings       Device spacing (See Length and Spacing Table)								LAPIES.	sway / rreeway		500	450	000	
15       70       Where:       110       14       27       27       6.1         150       80       L = Minimum length of taper       130       15       30       30       6.1         15       90       95       S = Metric equivalent of posted speed protein       175       18       37       37       9.0         10       115       115       116       117       14       37       37       9.0         150       95       S = Metric equivalent of posted speed prot       175       18       37       37       9.0         10       115       to work in kilometers per hour       225       21       43       43       9.0         ipproach speed based on the regulatory posted speed, not the advisory speed.       7.1       8.1       7.1         genoves a speed based on the regulatory posted speed, not the advisory speed.       7.1       8.1       7.1         G20-2       See Note 5       END       9.0       9.0       9.0       9.0         100 mm temporary solid       Mine code line.       See Note 4       3 m min.       5ee Note 7       5ee Note 7         100 mm Temporary solid       Where edge line. See Note 4       3 m min.       5ee Note 7       3 m min.		$-L = \frac{110}{3.2}  \text{for } S \ge 70 \text{ km/h}$												
80       L = Minimum length of taper       130       15       30       30       6.1         155       90       W = Width of offset in meters       150       17       34       34       6.1         150       90       S       Metric equivalent of posted speed prior       175       18       37       9.0         150       105       Initia of Spercentile speed prior       175       20       40       40       9.0         100       115       125       20       40       40       9.0       5       6.1         100       115       125       20       40       40       9.0       5       6.1         100       115       120       13       33       30       6.1       15         100       115       150       15       20       40       9.0       5         100       135       200       400       9.0       9.0       5       6.1         100       155       100       155       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>														
55       90 50       95 5       150       17       34       34       6.1         100       95 5       105       175       18       37       37       9.0         115       15       105       195       20       40       40       9.0         100       115       15       22       21       43       43       9.0         115       work in kilometers per hour       125       21       43       43       9.0         10proach speed based on the regulatory posted speed, not the advisory speed.       155       155       155       155         10proach speed based on the regulatory posted speed, not the advisory speed.       16       175       18       150         10proach speed based on the regulatory posted speed, not the advisory speed.       16       16       16         10proach speed based on the regulatory posted speed, not the advisory speed.       16       175       18       16         10proach speed based on the regulatory posted speed, not the advisory speed.       16       175       18       115         100       100       100       100       100       100       100       100       100       100       100       100       100       100 <t< td=""><td></td><td>L = Minimum length of taper</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>, c</td></t<>		L = Minimum length of taper												, c
90       95       5       Metric equivalent of posted speed prior       175       18       37       37       9.0         105       105       105       195       20       40       40       9.0         100       115       118       37       37       9.0       105			-			34								
55       105       limit or 85 percentile speed prior       125       20       40       40       9.0         70       115       to work in kilometers per hour       225       21       43       43       9.0         (pproach speed based on the regulatory posted speed, not the advisory speed.       6.1         See Note 5       END         See Note 5       END         Output       A       A         A       Remove conflicting pavement markings       Device spacing (See Length and Spacing Table)         A       A       A         A       See Note 4       See Note 3         Call Traffic flow       Vellow centerline. See Note 4       W/2 - 3         Interpretary solid white edge line. See Note 4       W/2 - 3       M min.         See Note 7       Yellow centerline. See Note 4       W/2 - 3         Interpretary solid white edge line. See Note 4       W/2 - 3       W/2 - 3			175			37								
70       115       to work in kilometers per hour       225       21       43       9.0       6.1         ipproach speed based on the regulatory posted speed, not the advisory speed.       7.1       7.1       7.1         ipproach speed based on the regulatory posted speed, not the advisory speed.       7.1       7.1       7.1         G20-2       See Note 5       END       8.1       7.1         G20-2       See Note 5       END       7.1         G20-2       See Note 5       END       7.1         G20-2       See Note 5       END       7.1         intermodel 100 mm temporary solid       9.0       9.0       9.0         intermodel 100 mm temporary solid       3 m min.       100 mm Temporary solid       3 m min.         intermodel 100 mm temporary solid       9.0       9.0       9.0       9.0         intermodel 100 mm temporary solid       9.0       9.0       9.0       9.0       9.0         intermodel 100 mm temporary solid       9.0       9.0       9.0       9.0       9.0       9.0         intermodel 100 mm temporary solid       9.0       9.0       9.0       9.0       9.0       9.0       9.0       9.0         intermodel 100 mm temporary solid       9.0				20	40	40	9.0							5
See Note 5 EN Double 100 mm temporary solid yellow centerline. See Note 4 100 mm Temporary solid Traffic flow M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	70 115		225	21	43	43	9.0							6
Better spacing pavement markings     Device spacing (See Length and Spacing Table)       Ouble 100 mm temporary solid yellow centerline. See Note 4     3 m min. See Note 3     Temporary concrete barrier. See Note 7       Traffic flow     100 mm Temporary solid white edge line. See Note 4     0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0														C
Traffic flow -> 100 mm Temporary solid white edge line. See Note 4 Channelizing devices -														
Traffic flow -> white edge line. See Note 4		See Note 5 ROAD WORK	le 100 mm						ement markings			(See l Spac	ength and ing Table)	
Channelizing devices		See Note 5 ROAD WORK	le 100 mm v centerlin	e. See N	ote 4 —	blid			<i>3 m min.</i> <i>3 m min.</i> <i>See Note 3</i> <i>3 m min.</i>			(See l Spac	ength and ing Table)	
•     •     •       Channelizing devices     •		See Note 5 ROAD WORK	le 100 mm v centerlin 100 i	e. See N	ote 4 — porary so			pav	<i>3 m min.</i> <i>3 m min.</i> <i>See Note 3</i> <i>3 m min.</i> <i>See Note 3</i>			(See l Spac	ength and ing Table) te barrier.	
		See Note 5 ROAD WORK	le 100 mm v centerlin 100 i	e. See N	ote 4 — porary so			pav	<i>3 m min.</i> <i>3 m min.</i> <i>See Note 3</i> <i>3 m min.</i> <i>See Note 3</i>			(See l Spac	ength and ing Table) te barrier.	
ADVANCE WARNING AREA (See Sign Spacing Table) (See Length and Spacing Table) VARIABLE WORK SPACE		See Note 5 ROAD WORK	le 100 mm v centerlin 100 i	e. See N	ote 4 — porary so pe. See N	Note 4 —	ices	pav	<i>3 m min.</i> <i>3 m min.</i> <i>See Note 3</i> <i>3 m min.</i> <i>See Note 3</i>			(See l Spac	ength and ing Table) te barrier.	
	7	See Note 5 ROAD WORK	le 100 mm v centerlin 100 white	e. See N	ote 4 porary so pe. See N Channeli	Note 4 — Ö izing devi See N	ices		<i>3 m min.</i> <i>3 m min.</i> <i>See Note 3</i> <i>3 m min.</i> <i>See Note 3</i>	-W	See Note	(See I Spac 7 7	ength and ing Table) te barrier.	
C B A TAPER AREA BUFFER SPACE (optional)	7	See Note 5 ROAD WORK	le 100 mm v centerlin 100 white	e. See N	ote 4 porary so pe. See N Channeli	Note 4 — Ö izing devi See N	ices		<i>3 m min.</i> <i>3 m min.</i> <i>See Note 3</i> <i>3 m min.</i> <i>See Note 3</i>	-W	See Note	(See I Spac 7 7	ength and ing Table) te barrier.	

		PROJECT	SHEET NUMBER
TE:			
		n of travel only. Plac opposite direction of	
	nd spacing of devi as approved by ti	ices may be changeo he CO.	l to fit
project spec uirements, S		lth, refer to Special C	Contract
rkings. If ne		install temporary pa zone is within 120 n es.	
		e project limits, elim d END ROAD WORK	
tall PASS WI e if directed		4-2) at ends of no-pa	assing
de. Termina e or protect	te barrier ends o	e AASHTO Roadside I utside the work zone with a crash cushion. .6 m intervals.	e clear
	uipment, materia buffer space.	ls, or vehicles to be j	parked
		ADVANCED WAR	<b>**</b>
		See Note	e 1
	_		
	Redi	uce or eliminate drur	<u></u>
0 0*	in de	ownstream taper if n rovide access to work	ecessary
	W		•
	See Note 7		
	TAPER AREA	A	
SPACE optional)		G20-2	END
		See Note 5	ROAD WORK
1		PARTMENT OF TRANSPORTAT	
	FEDERA	AL HIGHWAY ADMINISTRATIC	NC
		TRIC FLH STANDARD	
	PART L	ANE WIDTH	AND
	SHOULDE	R CLOSURE L MPORARY BA	AYOUT
SCALE		VED FOR USE 6/2005	standard M635-12
	1		11033-12