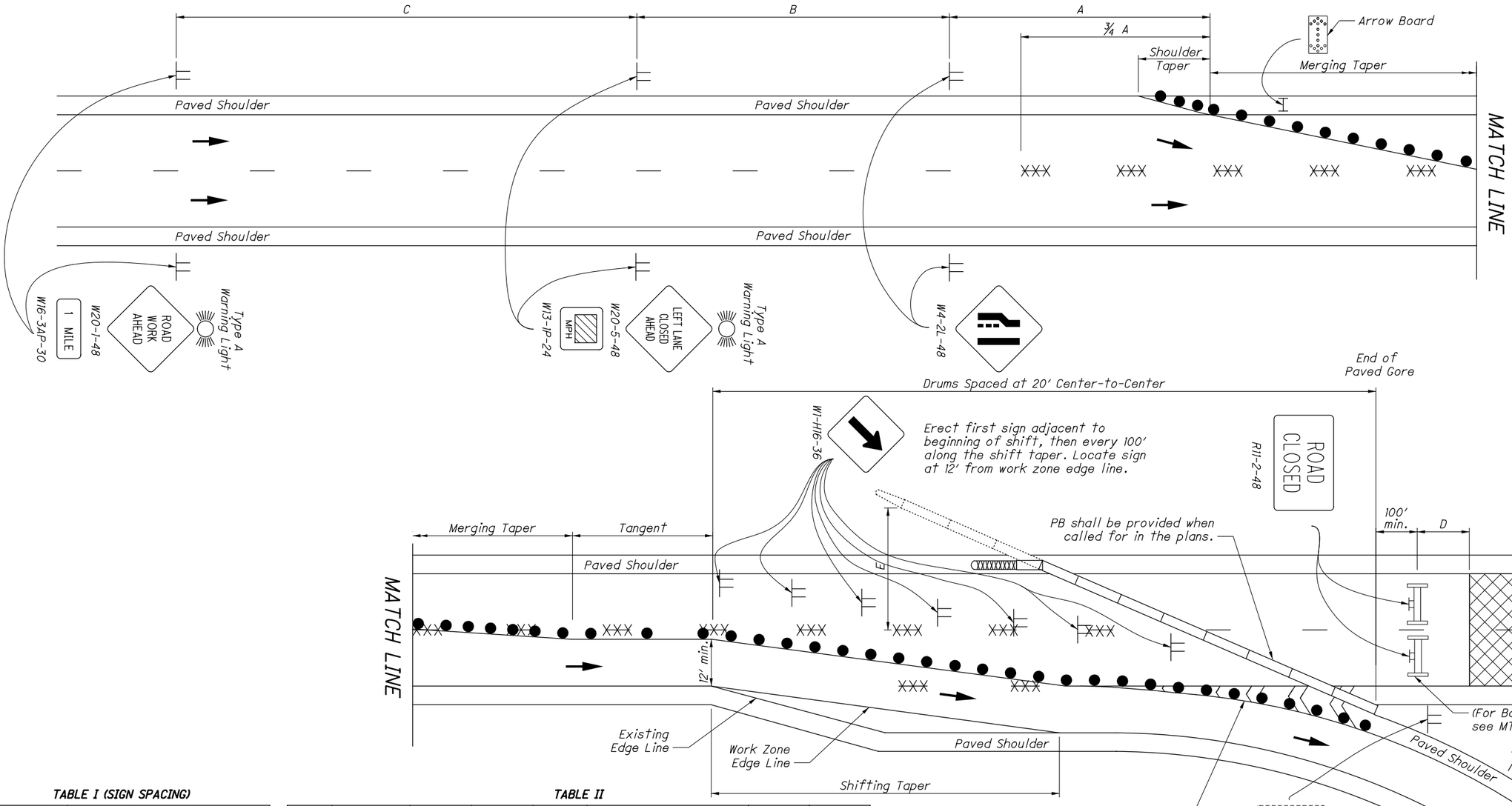


TABLE I (SIGN SPACING)

ROAD TYPE	DISTANCE BETWEEN SIGNS (FT)		
	A	B	C
FREEWAY & EXPRESSWAY	1000	1500	2640

LEGEND

- WORK AREA
- DRUMS
- PORTABLE BARRIER (PB)
- PB TAPERED END
- REMOVE EXISTING MARKINGS (XXX)
- ATTENUATOR
- DIRECTION OF TRAVEL

TABLE II

SPEED LIMIT (MPH)	MERGING OR SHIFTING TAPER RATE MINIMUM	TANGENT (FT)	SHOULDER TAPER RATE MINIMUM	PB FLARE RATE MINIMUM	MAXIMUM DRUM SPACING (FT)		BUFFER (D) (FT) MINIMUM	CLEAR ZONE WIDTH (E) (FT)
					TAPER SEC.	TANGENT SEC.		
25	11:1	-----	4:1	8:1	25	40	155	15
30	15:1	-----	5:1	8:1	30	40	200	15
35	21:1	-----	7:1	9:1	35	40	250	15
40	27:1	-----	9:1	10:1	40	80	305	15
45	45:1	270	15:1	12:1	45	80	360	19
50	50:1	300	17:1	14:1	50	80	425	19
55	55:1	330	19:1	16:1	55	80	495	23
60	60:1	360	20:1	18:1	60	120	570	30
65	65:1	390	22:1	19:1	65	120	645	30
70	70:1	420	24:1	20:1	70	120	730	30

THIS DRAWING REPLACES MT-99.50 DATED 01-20-2017.

REVISION DATE 01-17-2020

STATE OF OHIO DEPARTMENT OF TRANSPORTATION ADMINISTRATOR David L. Holstein

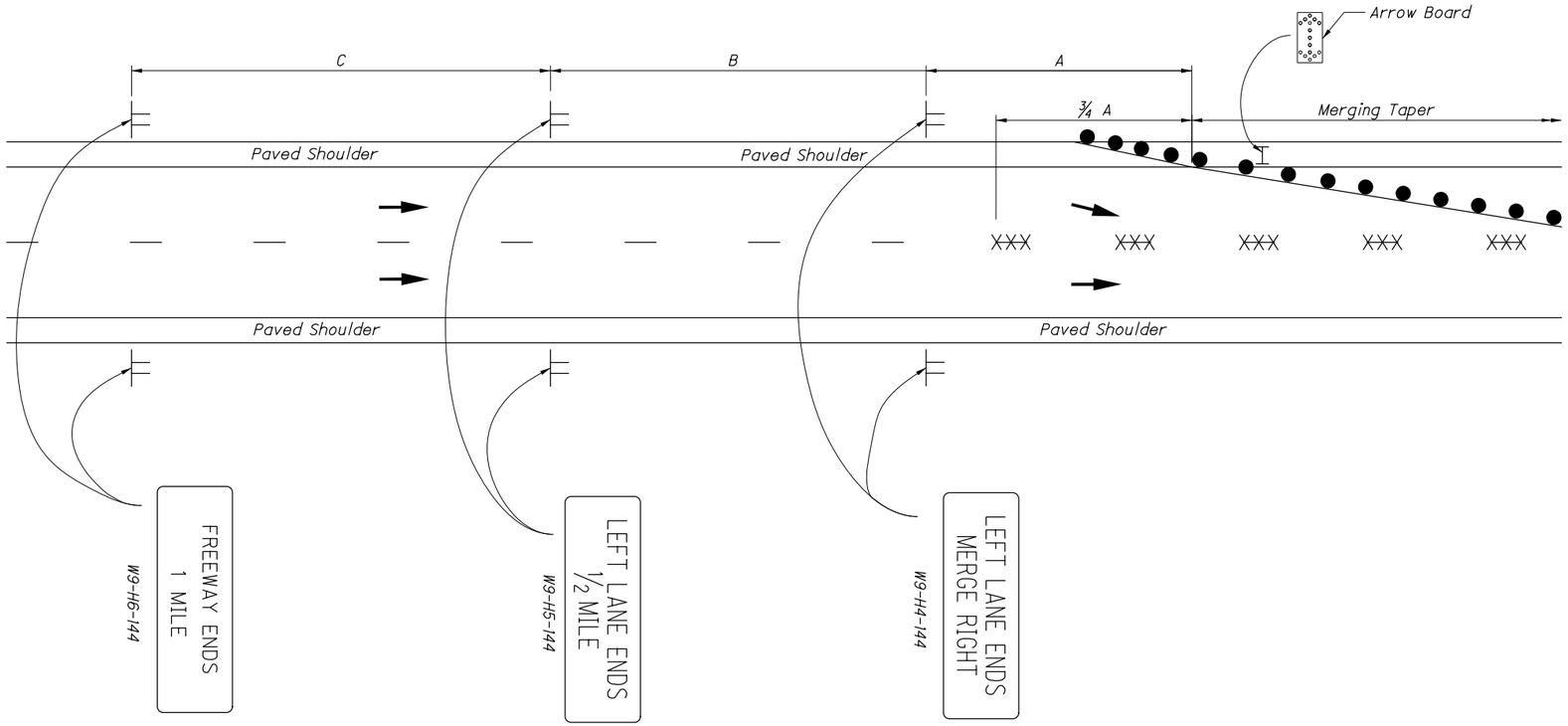
STDS. ENGINEER Soisson

OFFICE OF ROADWAY ENGINEERING

STANDARD ROADWAY CONSTRUCTION DRAWING

FREEWAY / EXPRESSWAY CLOSURE IN WORK ZONES

SCD NUMBER MT-99.50



EXTRUSHEET SIGNING OPTION

NOTES:

SIGNS

1A. All conflicting signs shall be covered.

1B. The ROAD WORK AHEAD (W20-1-48) sign should be provided as shown, if not already within the work zone.

1C. Stop Ahead (W3-1a-48) or Signal Ahead (W3-3-48) signs shall be provided on the exit ramp when called for in the plans or as determined by the Engineer.

1D. Portable changeable message signs (PCMS) shall be provided to supplement the static signs when called for in the plans. The messages displayed on the PCMS shall be as called for in the plans.

MULTIPLE LANE CLOSURES

2A. If a freeway/expressway has three or more directional lanes and it is necessary to close more than one lane, insert a tangent section, equal to twice the taper length, between merge tapers.

2B. For each additional lane closure, dual ground-mounted Lane Ends (W4-2-48 or W9-H4-144) signs, as appropriate to maintain signing consistency at the site, shall be placed at approximately 1000' in advance of the associated taper.

PORTABLE BARRIER (PB)

3A. PB shall be provided if called for in the plans.

3B. If the upstream end of MASH or NCHRP 350 PB is located within the clear zone or if the upstream end of MASH PB is located outside of the clear zone, an impact attenuator shall be provided. If the upstream end of NCHRP 350 PB is located outside the clear zone, a tapered end shall be provided in lieu of an impact attenuator.

3C. The area beyond the shoulder containing PB shall be graded to 10:1 or flatter.

3D. The PB flare rate, as provided to Table II, shall be measured relative to the mainline alignment.

3E. See Standard Construction Drawing MT-101.70 for reflectorization of PB.

LEGEND

DRUMS	● ● ●
REMOVE EXISTING MARKINGS	XXX
DIRECTION OF TRAVEL	→

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