MDOT

Michigan Department of Transportation

MAINTAINING TRAFFIC TYPICALS

MDOT Michigan Department of Transportation		COVER SHEET	COVER SHEET	DATE: JUNE 2021
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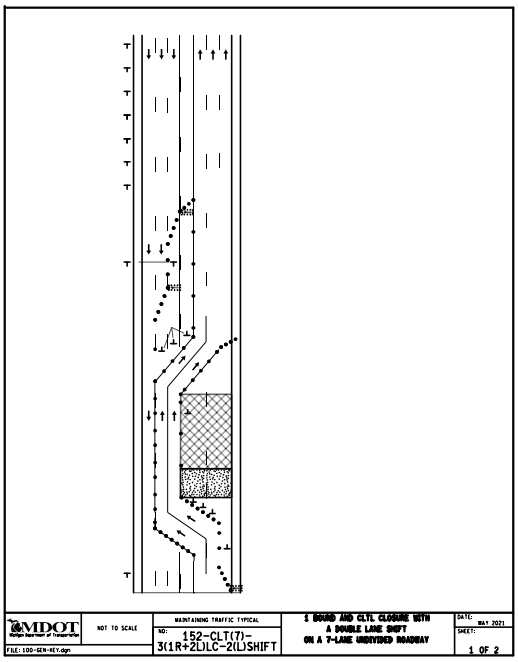
TYPICAL NUMBER KEY

CODES

AB = ARROW BOARD	LO = LANE OPEN
AW = ADVANCE WARNING	O = OUTSIDE (LANE CLOSURE)
C = CLOSURE	OUT = OUTSIDE OF SHOULDER
CLT = CENTER LEFT TURN LANE	MID = MIDDLE OF INTERSECTION OR ROAD
CROSS = CROSSOVER	NFW = NON-FREEWAY
CruSha = CRUSH AND SHAPE	PARK = PARKING LANE
EM = EARLY MERGE	PCMS = PORTABLE CHANGEABLE MESSAGE SIGN
EnR = ENTRANCE RAMP	(R) = RIGHT
ExR = EXIT RAMP	ROLL = ROLLING ROADBLOCK
FW = FREEWAY	RUM = RUMBLE STRIP
GEN = GENERAL INFORMATION	SD = SHORT DURATION
GORE = FREEWAY GORE AREA	SHL = SHOULDER CLOSURE
IN = INSIDE	SIGN = SIGN
INT = INTERSECTION	SP = SPECIAL
L = LANE	SPEED = SPEED
(L) = LEFT	STA = STOPPED TRAFFIC ADVISORY
LC = LANE CLOSURE	TR = TRAFFIC REGULATOR
LD = LONG DURATION	TS = TEMPORARY SIGNAL
	ZIP = ZIPPER MERGE



100 - GENERAL NOTES
110 - TRAFFIC REGULATORS
120 - NON-FREEWAY
130 - CENTER LEFT TURN (CLT) LANES
140 - PARKING LANES
150 - CLT 7 LANE SECTIONS
160 - SIGNAL WORK
200 - FREEWAY CLOSURES
210 - FREEWAY LANE SHIFTS
220 - FREEWAY ENTRANCE RAMPS
230 - FREEWAY EXIT RAMPS
300 - ADVANCE WARNINGS
310 - CROSSOVER CLOSURE
320 - CRUSH AND SHAPE
340 - MERGE SYSTEMS
350 - GORE LOCATIONS
360 - ROLLING ROADBLOCK
4000 - MAINTENANCE
5000 - SURVEY

EXAMPLE TYPICAL

CODE: 152-CTL(7)-3(1R+2L)LC-2(L)SHIFT

152 - TYPICAL NUMBER
CTL(7) = CENTER LEFT TURN LANE, 7 LANES TOTAL.
3(1R+2L)LC = 3 LANES CLOSED, (1 RIGHT LANE AND 2 LEFT LANES).
2(L)SHIFT = 2 LANES SHIFTED TO THE LEFT.

NOT TO SCALE

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	**TYPICAL NUMBERING KEY**	DATE: DECEMBER 2021
		NO: 100-GEN-KEY		SHEET: 1 OF 1
FILE: 100-GEN-KEY.dgn				

DISTANCE BETWEEN TRAFFIC SIGNS, "D"

"D" DISTANCES	POSTED SPEED LIMIT, MPH (PRIOR TO WORK AREA)										
	25	30	35	40	45	50	55	60	65	70	75
D (FEET)	250	300	350	400	450	500	550	600	650	700	750

GUIDELINES FOR LENGTH OF LONGITUDINAL BUFFER SPACE, "B"

"B" LENGTHS	SPEED,* MPH (PRIOR TO WORK AREA)											
	20	25	30	35	40	45	50	55	60	65	70	75
B (FEET)	33	50	83	132	181	230	279	329	411	476	542	625

* POSTED SPEED, OFF-PEAK 85TH PERCENTILE SPEED PRIOR TO WORK STARTING, OR THE ANTICIPATED OPERATING SPEED.

MINIMUM MERGING TAPER LENGTH, "L" (FEET)

OFFSET (FEET)	POSTED SPEED LIMIT, MPH (PRIOR TO WORK AREA)										
	25	30	35	40	45	50	55	60	65	70	75
1	11	15	21	27	45	50	55	60	65	70	75
2	21	30	41	54	90	100	110	120	130	140	150
3	32	45	62	80	135	150	165	180	195	210	225
4	42	60	82	107	180	200	220	240	260	280	300
5	53	75	103	134	225	250	275	300	325	350	375
6	63	90	123	160	270	300	330	360	390	420	450
7	73	105	143	187	315	350	385	420	455	490	525
8	84	120	164	214	360	400	440	480	520	560	600
9	94	135	184	240	405	450	495	540	585	630	675
10	105	150	205	267	450	500	550	600	650	700	750
11	115	165	225	294	495	550	605	660	715	770	825
12	125	180	245	320	540	600	660	720	780	840	900
13	136	195	266	347	585	650	715	780	845	910	975
14	146	210	286	374	630	700	770	840	910	980	1050
15	157	225	307	400	675	750	825	900	975	1050	1125

NOT TO SCALE

THE FORMULAS FOR THE MINIMUM LENGTH OF A MERGING TAPER IN DERIVING THE "L" VALUES SHOWN IN THE ABOVE TABLES ARE AS FOLLOWS:

$$"L" = \frac{W \times S^2}{60}$$ WHERE POSTED SPEED PRIOR TO THE WORK AREA IS 40 MPH OR LESS

$$"L" = W \times S$$ WHERE POSTED SPEED PRIOR TO THE WORK AREA IS 45 MPH OR GREATER

L = MINIMUM LENGTH OF MERGING TAPER
S = POSTED SPEED LIMIT IN MPH PRIOR TO WORK AREA
W = WIDTH OF OFFSET

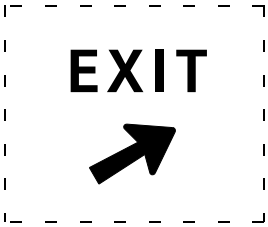
TYPES OF TAPERS	TAPER LENGTH
UPSTREAM TAPERS	
MERGING TAPER	L - MINIMUM
SHIFTING TAPER	1/2 L - MINIMUM
SHOULDER TAPER	1/3 L - MINIMUM
2 TO 1 LANE ROAD TAPER	100' - MAXIMUM
DOWNSTREAM TAPERS	
(USE IS RECOMMENDED)	100' (PER LANE)

MAXIMUM SPACING FOR CHANNELIZING DEVICES

WORK ZONE SPEED LIMIT	DRUM AND 42" DEVICE SPACING (FT)		NIGHTTIME 42" DEVICE SPACING (FT)	
	TAPER	TANGENT	TAPER	TANGENT
< 45 MPH	1 x SPEED LIMIT	2 x SPEED LIMIT	25 FEET	50 FEET
≥ 45 MPH	50 FEET	100 FEET	25 FEET	50 FEET

SIGN OUTLINE KEY

DASHED OUTLINES INDICATE A SIGN THAT EXISTS ON SITE, AND NEEDS TO BE COVERED.



SOLID OUTLINES INDICATE A SIGN THAT IS TO BE PLACED ON THE PROJECT

NOT TO SCALE

GUIDELINES FOR ROLL-AHEAD DISTANCES FOR TMA VEHICLES - TEST LEVEL 2

WEIGHT OF TMA VEHICLE	PREVAILING SPEED (POSTED SPEED PRIOR TO WORK ZONE)	ROLL-AHEAD DISTANCE* (DISTANCE FROM FRONT OF TMA VEHICLE TO WORK AREA)
5.5 TONS (STATIONARY)	40 MPH OR LESS	25 FT

* ROLL-AHEAD DISTANCES ARE CALCULATED USING A 4,410 POUND IMPACT VEHICLE WEIGHT.

GUIDELINES FOR ROLL-AHEAD DISTANCES FOR TMA VEHICLES - TEST LEVEL 3

WEIGHT OF TMA VEHICLE	PREVAILING SPEED (POSTED SPEED PRIOR TO WORK ZONE)	ROLL-AHEAD DISTANCE* (DISTANCE FROM FRONT OF TMA VEHICLE TO WORK AREA)
5 TONS (MOBILE)	45 MPH	100 FT
	50-55 MPH	150 FT
	60-75 MPH	175 FT
12 TONS (STATIONARY)	45 MPH	25 FT
	50-55 MPH	25 FT
	60-75 MPH	50 FT

* ROLL-AHEAD DISTANCES ARE CALCULATED USING A 10,000 POUND IMPACT VEHICLE WEIGHT.

THE FOLLOWING NOTES APPLY IF CALLED FOR ON THE TRAFFIC TYPICAL

GENERAL NOTES

G1: SEE GEN-SPACING-CHARTS FOR COMMON VALUES INCLUDING:
D = DISTANCE BETWEEN TRAFFIC CONTROL DEVICES
L = MINIMUM LENGTH OF TAPER
B = LENGTH OF LONGITUDINAL BUFFER
ROLL AHEAD DISTANCE

G2: DISTANCE BETWEEN SIGNS, "D", THE VALUES FOR WHICH ARE SHOWN IN TYPICAL GEN-KEY ARE APPROXIMATE AND MAY NEED ADJUSTING AS DIRECTED BY THE ENGINEER.

G3: ALL TEMPORARY SIGNS, TYPE III BARRICADES, THEIR SUPPORT SYSTEMS AND LIGHTING MUST MEET NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM REPORT 350 (NCHRP 350) TEST LEVEL 3, OR MANUAL FOR ASSESSING SAFETY HARDWARE (MASH) TL-3 AS WELL AS THE CURRENT EDITION OF THE MICHIGAN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE CURRENT EDITION OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION, THE STANDARD PLANS AND APPLICABLE SPECIAL PROVISIONS. ONLY DESIGNS AND MATERIALS APPROVED BY MDOT WILL BE ALLOWED.

G4: DO NOT STORE EQUIPMENT, MATERIALS OR PERFORM WORK IN ESTABLISHED BUFFER AREAS.

G5: ALL EXISTING PAVEMENT MARKINGS WHICH ARE IN CONFLICT WITH EITHER PROPOSED CHANGES IN TRAFFIC PATTERNS OR PROPOSED TEMPORARY TRAFFIC MARKINGS SHALL BE REMOVED BEFORE ANY CHANGE IS MADE IN THE TRAFFIC PATTERN. EXCEPTION WILL BE MADE FOR TRAFFIC PATTERNS FOR WORK LESS THAN THREE DAYS THAT ARE ADEQUATELY DELINEATED BY OTHER TRAFFIC CONTROL DEVICES.

SIGN NOTES

S1: ALL NON-APPLICABLE SIGNING WITHIN THE CIA MUST BE MODIFIED TO FIT CONDITIONS, COVERED, OR REMOVED. FOR GUIDANCE SEE THE WORK ZONE SAFETY AND MOBILITY MANUAL, SECTIONS 6.01.09 AND 6.01.10.

S2: R5-18b SIGNS ARE ONLY REQUIRED ON FREEWAY PROJECTS WITH A DURATION OF 15 DAYS OR LONGER OR NON-FREEWAY PROJECTS WITH A DURATION OF 90 DAYS OR LONGER. TO APPLY THIS TYPICAL WITHOUT R5-18b SIGNS, REMOVE THE SIGNS AND CONSOLIDATE THE SEQUENCE AS APPROPRIATE.

S3: R5-18c IS ONLY REQUIRED IN THE INITIAL SIGNING SEQUENCE IN THE WORK ZONE. OMIT THIS SIGN IN SUBSEQUENT SEQUENCES IN THE SAME WORK ZONE.

S4: ADDITIONAL SIGNING AND/OR ELONGATED SIGNING SEQUENCES SHOULD BE USED WHEN TRAFFIC VOLUMES ARE SIGNIFICANT ENOUGH TO CREATE BACKUPS BEYOND THE W20-5 SIGNS.

S5: PLACE ADDITIONAL SPEED LIMIT SIGNS REFLECTING THE WORK ZONE SPEED AFTER EACH MAJOR CROSSROAD THAT INTERSECTS THE WORK ZONE, OR AFTER EACH ENTRANCE RAMP THAT COMES ONTO THE FREEWAY WHERE THE REDUCED SPEED IS IN EFFECT. PLACE ADDITIONAL SPEED LIMIT SIGNS AT INTERVALS ALONG THE ROADWAY SUCH THAT NO SPEED LIMIT SIGNS ARE MORE THAN 2 MILES APART. WHEN REDUCED SPEED LIMITS ARE UTILIZED IN THE WORK AREA, PLACE ADDITIONAL SPEED LIMIT SIGNS RETURNING TRAFFIC TO ITS NORMAL SPEED BEYOND THE LIMITS OF THE WORK AREA AS INDICATED. IF PERMANENT SIGNS DISPLAYING THE CORRECT SPEED LIMIT ARE POSTED, OMIT ALL W3-5b AND R2-1 SIGNS AND REDUCE SPACING ACCORDINGLY.

S6: FABRICATE SPECIAL SIGNS IN ACCORDANCE WITH CURRENT SIGNING DESIGN STANDARDS.

S7: PLACE ADDITIONAL R8-3 SIGNS AT A MAXIMUM 500' SPACING THROUGHOUT THE WORK ZONE.

S8: WHEN SPEED LIMIT SIGNS CANNOT BE PLACED SIDE BY SIDE AS SHOWN, PLACE THEM "D" DISTANCE APART.

S9: STOP SIGNS NOT REQUIRED IF SIGNALS ARE ON 4-WAY FLASHING RED. STOP AHEAD SIGNS ARE NOT REQUIRED IF THERE IS ADEQUATE VISIBILITY OF THE STOP SIGN OR IF SIGNALS ARE BEING USED TO CONTROL TRAFFIC.

S10: PLACE REDUCED SPEED ZONE AHEAD SIGN (W3-5b) HERE WHEN USING A SPEED REDUCTION IN THIS DIRECTION.

S11: THE NUMBER OF W1-6 SHIFT SIGNS TO PLACE FOR A SHIFT IS AS FOLLOWS:
SHIFTS 4FT OR LESS, PLACE ONE W1-6(R)(L)
SHIFTS 5FT TO 12FT, PLACE TWO W1-6(R)(L)
SHIFTS MORE THAN 12FT, PLACE THREE OR MORE W1-6(R)(L) SIGNS DEPENDING UPON LENGTH OF SHIFT AND AS PER THE ENGINEER.

S12: PLACE R2-1 SIGNS AS DETAILED IN NOTE S5 WHEN THERE IS A SPEED REDUCTION IN THIS DIRECTION

TRAFFIC REGULATOR NOTES

TR1: TRAFFIC REGULATORS MUST FOLLOW ALL THE REQUIREMENTS IN THE STANDARD SPECIFICATIONS, THE STANDARD PLANS AND APPLICABLE SPECIAL PROVISIONS, THE CURRENT VERSIONS OF THE TRAFFIC REGULATOR'S INSTRUCTION MANUAL AND THE VIDEO "HOW TO SAFELY REGULATE TRAFFIC IN MICHIGAN". THE MAXIMUM DISTANCE BETWEEN THE TRAFFIC REGULATORS IS DETERMINED BY THE ROADWAY ADT, GEOMETRICS, AND AS DIRECTED BY THE ENGINEER.

TR2: PROVIDE APPROPRIATE BALLOON LIGHTING TO SUFFICIENTLY ILLUMINATE TRAFFIC REGULATOR'S STATIONS WHEN TRAFFIC REGULATING IS ALLOWED DURING THE HOURS OF DARKNESS.

TEMPORARY TRAFFIC CONTROL DEVICE NOTES

TCD1: THE MAXIMUM DISTANCE IN FEET BETWEEN CHANNELIZING DEVICES IN A TAPER SHOULD NOT EXCEED 1.0 TIMES THE WORK ZONE SPEED LIMIT IN MPH FOR ROADWAYS WITH A POSTED WORK ZONE SPEED LIMIT LESS THAN 45 MPH AND SHOULD NOT EXCEED 50 FEET ON ROADWAYS WITH A POSTED WORK ZONE SPEED LIMIT OF 45 MPH OR GREATER. THE SPACING FOR 42 INCH CHANNELIZING DEVICE TAPERS ARE NOT TO EXCEED 25 FEET AT NIGHT.

TCD2: THE MAXIMUM DISTANCE IN FEET BETWEEN CHANNELIZING DEVICES IN A TANGENT SHOULD NOT EXCEED TWICE THE WORK ZONE SPEED LIMIT IN MPH FOR ROADWAYS WITH A POSTED WORK ZONE SPEED LIMIT LESS THAN 45 MPH AND SHOULD NOT EXCEED 100 FEET ON ROADWAYS WITH A POSTED WORK ZONE SPEED LIMIT OF 45 MPH OR GREATER. THE SPACING FOR 42 INCH CHANNELIZING DEVICE TANGENTS ARE NOT TO EXCEED 50 FEET AT NIGHT.

TCD3: TYPE III BARRICADES MUST BE LIGHTED FOR OVERNIGHT CLOSURES.

TCD4: WHEN THE HAUL ROAD IS NOT IN USE, PLACE LIGHTED TYPE III BARRICADES WITH "ROAD CLOSED" EXTENDING COMPLETELY ACROSS THE HAUL ROAD.

TCD5: USE VERTICAL PANELS IN LIEU OF THE TYPE B HIGH INTENSITY LIGHT SHOWN IN THE STANDARD PLAN FOR TEMPORARY CONCRETE BARRIER (R-53, AND R-126) WHEN USED WITH A TEMPORARY SIGNAL SYSTEM.

TCD6: PLACE LIGHTED ARROW PANELS AS CLOSE TO THE BEGINNING OF TAPERS AS PRACTICAL, BUT NOT IN A MANNER THAT WILL OBSCURE OR CONFUSE APPROACHING MOTORISTS WHEN PHYSICAL LIMITATIONS RESTRICT PLACEMENT. IN CURBED SECTIONS, IF ARROW BOARD CANNOT BE PLACED BEHIND CURB, PLACE ARROW BOARD IN THE CLOSED LANE AS CLOSE TO THE BEGINNING OF TAPER AS POSSIBLE.

TCD7: ADDITIONAL TYPE III BARRICADES MAY BE REQUIRED TO COMPLETELY CLOSE OFF ROAD FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT.

TCD8: WHERE THE SHIFTED SECTION IS SHORTER THAN 600 FEET, A DOUBLE REVERSE CURVE SIGN (W24-1) CAN BE USED INSTEAD OF THE FIRST REVERSE CURVE SIGN, AND THE SECOND REVERSE CURVE SIGN CAN BE OMITTED.

TCD9: RUMBLE STRIPS ARE TO BE PLACED AS SPECIFIED IN THE CONTRACT. IF NOT SPECIFIED IN THE CONTRACT, PLACE RUMBLE STRIPS AS SHOWN, AND IN ACCORDANCE WITH THE RUMBLE STRIP MANUFACTURER'S RECOMMENDATIONS. AN ARRAY OF RUMBLE STRIPS CONTAINS THREE RUMBLE STRIPS. PLACE THE RUMBLE STRIPS IN THE ARRAY AT A CONSISTENT DISTANCE, BETWEEN 10' AND 20' APART.

TCD10: SEE THE WORK ZONE SAFETY AND MOBILITY MANUAL, PORTABLE CHANGEABLE MESSAGE SIGN GUIDELINES FOR RECCOMENDED AND CORRECT PCMS MESSAGING. STAGGER PCMS THAT ARE ON OPPOSING SIDES OF THE ROAD 1000 FEET FROM EACH OTHER.

RAMP NOTES

RMP1: WHEN CONDITIONS ALLOW, E5-1 SIGNS MUST BE REMOVED OR COVERED AND CHANELIZING DEVICES MUST BE POSITIONED TO ENABLE RAMP TRAFFIC TO DIVERGE IN A FREE MANNER

RMP2: STOP AND YIELD CONDITIONS SHOULD BE AVOIDED WHENEVER PRACTICAL. WHEN CONDITIONS WARRANT, R1-1 SIGNS MAY BE USED IN PLACE OF R1-2 SIGNS. WHEN R-1 SIGNS ARE USED, W3-1 SIGNS MUST BE USED IN PLACE OF W3-2 SIGNS. CONSIDERATION SHOULD BE GIVEN TO CLOSING THE RAMP TO COMPLETE WORK TO ALLOW AN ADEQUATE MERGE DISTANCE. WORK SHOULD BE EXPEDITED TO AVOID THE STOP AND/OR YIELD CONDITIONS.

THE FOLLOWING NOTES APPLY IF CALLED FOR ON THE TRAFFIC TYPICAL

SIGNAL NOTES

SIG1: EXISTING SIGNAL MUST BE EITHER 4-WAY FLASHING RED, BAGGED, OR TURNED OFF.

SIG2: SIGNAL IS IN OPERATION.

SIG3: DELINEATE THE WORK ZONE AREA WITH 28 INCH CONES FOR DAYTIME WORK, OR 42 INCH CHANNELIZING DEVICES FOR NIGHTTIME WORK.

SIG4: THE CONTRACTOR MUST HAVE A DESIGNATED SPOTTER IF THE AERIAL BUCKET TRUCK IS LOCATED OVER ACTIVE TRAVEL LANES.

SIG5: THE LOWEST POINT OF THE BUCKET MAY NOT TRAVEL BELOW 14 FOOT VERTICAL CLEARANCE. THE CONTRACTOR MUST UTILIZE AN ALTERNATE SET UP, OR PLACE THE INTERSECTION IN A 4 WAY STOP IF THE 14 FOOT VERTICAL CLEARANCE IS COMPROMIZED. USE TRAFFIC REGULATORS TO CONTROL TRAFFIC THROUGH THE INTERSECTION WHEN TRAFFIC IS PLACED IN A 4 WAY STOP.

SIG6: DELINEATE THE TRUCK WITH CHANNELIZING DEVICES. THE POSITION OF THE TRUCK MAY BE MOVED TO FACILITATE WORK.

MAINTENANCE AND SURVEYING NOTES

MS1: WHENEVER STOPPING SIGHT DISTANCE EXISTS TO THE REAR, THE SHADOW VEHICLES SHOULD MAINTAIN THE RECOMENDED DISTANCE FROM THE WORK AREA AND PROCEEED AT THE SAME SPEED. THE SHADOW VEHICLE SHOULD SLOW DOWN AND TRAVEL AT A FARTHER DISTANCE TO PROVIDE ADEQUATE SIGHT DISTANCE IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES.

MS2: WORKERS OUTSIDE OF VEHICLES SHOULD WORK WITHIN 150' OF WORK VEHICLES WITH AN ACTIVATED BEACON, BETWEEN THE "BEGIN WORK CONVOY" SIGN AND THE "END WORK CONVOY" SIGN, OR BETWEEN THE "WORK ZONE BEGINS" AND "END ROAD WORK" SIGN.

MS3: WORK OR SHADOW VEHICLES WITH OR WITHOUT A TMA MAY BE USED TO SEPARATE THE WORK SPACE FROM TRAFFIC. IF USED, THE VEHICLES SHOULD BE PARKED ACCORDING TO THE ROLL AHEAD DISTANCE TABLES.

MS4: WORK AND SHADOW VEHICLES SHALL BE APPROPRIATELY EQUIPPED WITH AN ACTIVATED AMBER BEACON.

MS5: WHEN WORKERS ARE OUTSIDE THEIR VEHICLES IN AN EXISTING LANE WHILE A MOBILE OPERATION IS OCCURRING DURING THE NIGHTTIME HOURS, CHANNELIZING DEVICES TO DELINEATE OPEN OR CLOSED LANES AT 50 FT SPACING MUST BE USED. AN EXAMPLE OF AN OPERATION (BUT NOT LIMITED TO) IS THE LAYOUT OF CONCRETE PATCHES.

MS6: W21-6 AND W20-1 SIGNS MAY BE SUBSTITUTED AS DETERMINED BY THE TYPE OF WORK TAKING PLACE AS PER THE ENGINEER.

SIGN NUMBER KEY

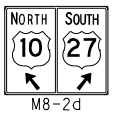
EXIT E5-1f 48" x 48" 60" x 48"	EXIT OPEN E5-2 48" x 36"	EXIT CLOSED E5-2a 48" x 36"	EXIT ONLY E5-3 48" x 36"	30 MPH E13-1P VAR x 24"	20 MPH E13-1aP 36" x 24"	ROAD WORK NEXT XX MILES G20-1 60" x 24"	END ROAD WORK G20-2 48" x 24"
PILOT CAR FOLLOW ME G20-4 36" x 18"	I-6a 18" x 18" 24" x 24" 30" x 30"	INTERSTATE XX M1-1 18" x 18" 24" x 24" 36" x 36" 48" x 48"	INTERSTATE XXX M1-1 22.5" x 18" 30" x 24" 45" x 36" 60" x 48"	BUSINESS LOOP XX M1-2 18" x 18" 24" x 24" 36" x 36" 48" x 48"	BUSINESS LOOP XXX M1-2 22.5" x 18" 30" x 24" 45" x 36" 60" x 48"	BUSINESS SPUR XX M1-3 18" x 18" 24" x 24" 36" x 36" 48" x 48"	BUSINESS SPUR XXX M1-3 22.5" x 18" 30" x 24" 45" x 36" 60" x 48"
XX M1-4 18" x 18" 24" x 24" 36" x 36" 48" x 48"	XXX M1-4 22.5" x 18" 30" x 24" 45" x 36" 60" x 48"	MONTMORENCY XX COUNTY M1-5 18" x 18" 24" x 24" 30" x 30" 36" x 36"	BARAGA XXX COUNTY M1-5a 18" x 18" 24" x 24"	XX M1-6 18" x 18" 24" x 24" 36" X 36"	XXX M1-6 22.5" x 18" 30" x 24" 45" x 36"	NORTH M3-1 12" x 6" 18" x 9" 24" x 12" 30" x 15" 36" x 18"	EAST M3-2 12" x 6" 18" x 9" 24" x 12" 30" x 15" 36" x 18"
SOUTH M3-3 12" x 6" 18" x 9" 24" x 12" 30" x 15" 36" x 18"	WEST M3-4 12" x 6" 18" x 9" 24" x 12" 30" x 15" 36" x 18"	ALTERNATE M4-1 12" x 6" 18" x 9" 24" x 12" 30" x 15" 36" x 18"	ALT M4-1a 12" x 6" 18" x 9" 24" x 12" 30" x 15" 36" x 18"	BY-PASS M4-2 12" x 6" 18" x 9" 24" x 12" 30" x 15" 36" x 18"	BUSINESS M4-3 12" x 6" 18" x 9" 24" x 12" 30" x 15" 36" x 18"	TRUCK M4-4 18" x 9" 24" x 12" 30" x 15" 36" x 18"	TO M4-5 12" X 6" 18" x 9" 24" X 12" 30" X 15" 36" X 18"
END M4-6 12" x 6" 18" x 9" 24" x 12" 30" x 15" 36" x 18"	TEMPORARY M4-7 12" x 6" 18" x 9" 24" x 12" 30" x 15" 36" x 18"	TEMP M4-7a 12" x 6" 18" x 9" 24" x 12" 30" x 15" 36" x 18"	DETOUR M4-8 12" x 6" 18" x 9" 24" x 12" 30" x 15"	END DETOUR M4-8a 24" x 18"	END M4-8b 24" x 12"	DETOUR M4-9L 30" x 24" 48" x 36" 60" x 48"	DETOUR M4-9R 30" x 24" 48" x 36" 60" x 48"
DETOUR M4-9j 30" x 24" 48" x 36" 60" x 48"	DETOUR M4-9kL 30" x 30" 48" x 42" 60" x 54"	DETOUR M4-9kR 30" x 30" 48" x 42" 60" x 54"	DETOUR M4-9mL 30" x 30" 48" x 42" 60" x 54"	DETOUR M4-9mR 30" x 30" 48" x 42" 60" x 54"	M4-9dL 12" x 18"	M4-9dR 12" x 18"	M4-9e 12" x 18"
END M4-9f 12" x 18"	M4-9gL 12" x 18"	M4-9gR 12" x 18"	M4-9h 12" x 24"	END M4-9i 12" x 18"	DETOUR M4-10L 48" x 18"	DETOUR M4-10R 48" x 18"	FOLLOW M4-11a 12" X 6" 18" x 9" 24" X 12" 30" X 15" 36" X 18"
M5-1L 12" x 9" 21" x 15" 30" x 21"	M5-1R 12" x 9" 21" x 15" 30" x 21"	M5-2L 12" x 9" 21" x 15" 30" x 21"	M5-2R 12" x 9" 21" x 15" 30" x 21"	M5-3 12" x 9" 21" x 15" 30" x 21"	M6-1L 12" x 9" 18" x 12" 21" x 15" 30" x 21"	M6-1R 12" x 9" 18" x 12" 21" x 15" 30" x 21"	M6-2L 12" x 9" 18" x 12" 21" x 15" 30" x 21"
M6-2R 12" x 9" 18" x 12" 21" x 15" 30" x 21"	M6-3 12" x 9" 18" x 12" 21" x 15" 30" x 21"	M6-4 12" x 9" 18" x 12" 21" x 15" 30" x 21"	M6-5 12" x 9" 18" x 12" 21" x 15" 30" x 21"	M6-6L 12" x 9" 18" x 12" 21" x 15" 30" x 21"	M6-6R 12" x 9" 18" x 12" 21" x 15" 30" x 21"	M6-7L 12" x 9" 18" x 12" 21" x 15" 30" x 21"	M6-7R 12" x 9" 18" x 12" 21" x 15" 30" x 21"

SEE MDOT SHS 13-WORK ZONE FOR SIGN DETAILS

SIGN NUMBER KEY

M8-1gL
36" x 66"

M8-1gR
36" x 66"

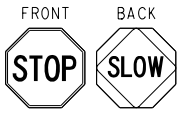


M8-2d
60" x 48"

OM-3L
12" x 36"
24" x 48"
36" x 72"

OM-3R
12" x 36"
24" x 48"
36" x 72"

R1-1
18" x 18"
24" x 24"
30" x 30"
36" x 36"
48" x 48"



R1-1a
18" x 18"
24" x 24"

R1-2
18"
24"
30"
36"
48"
60"

R1-2aP
24" x 18"
36" x 30"
48" x 36"

R2-1
18" x 24"
24" x 30"
30" x 36"
36" x 48"
48" x 60"

R2-1a
48" x 60"

R3-1
24" x 24"
30" x 30"
36" x 36"
48" x 48"

R3-2
24" x 24"
30" x 30"
36" x 36"
48" x 48"

R3-3
24" x 24"
36" x 36"
48" x 48"

R3-4
24" x 24"
30" x 30"
36" x 36"
48" x 48"

R3-5L
30" x 36"
36" x 48"

R3-5R
30" x 36"
36" x 48"

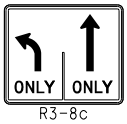
R3-5a
30" x 36"
36" x 48"

R3-6L
30" x 36"
42" x 48"

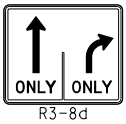
R3-6R
30" x 36"
42" x 48"

R3-7L
30" x 30"
36" x 36"

R3-7R
30" x 30"
36" x 36"



R3-8c
36" x 30"



R3-8d
36" x 30"

R4-1
12" x 18"
18" x 24"
24" x 30"
36" x 48"
48" x 60"

R4-2
12" x 18"
18" x 24"
24" x 30"
36" x 48"
48" x 60"

R4-7
12" x 18"
18" x 24"
24" x 30"
36" x 48"
48" x 60"

R4-8
18" x 24"
24" x 30"
36" x 48"
48" x 60"

R4-9
18" x 24"
24" x 30"
36" x 48"
48" x 60"

R5-1
30" x 30"
36" x 36"
48" x 48"

R5-1a
30" x 18"
36" x 24"
42" x 30"

R5-18b
48" x 60"

R5-18c
48" x 48"

R5-18d
78" x 12"

R5-18e
72" x 12"

R5-18f
48" x 60"

R5-18g
30" x 42"

R5-18h
48" x 60"

R6-1L
36" x 12"
54" x 18"

R6-1R
36" x 12"
54" x 18"

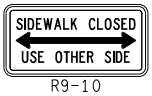
R6-2L
12" x 16"
18" x 24"
24" x 30"
36" x 48"
48" x 60"

R6-2R
12" x 16"
18" x 24"
24" x 30"
36" x 48"
48" x 60"

R8-3
12" x 12"
18" x 18"
24" x 24"
36" x 36"
48" x 48"

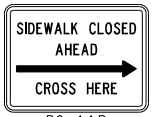
R9-8
36" x 18"

R9-9
24" x 12"
30" x 18"

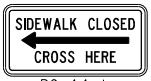


R9-10
24" x 12"
48" x 24"

R9-11L
24" x 12"
48" x 36"



R9-11R
24" x 12"
48" x 36"



R9-11aL
24" x 12"
48" x 24"

R9-11aR
24" x 12"
48" x 24"

R10-6b
36" x 54"

R11-2
48" x 30"

R11-2a
48" x 30"

R11-2b
48" x 30"

R11-2c
60" x 30"

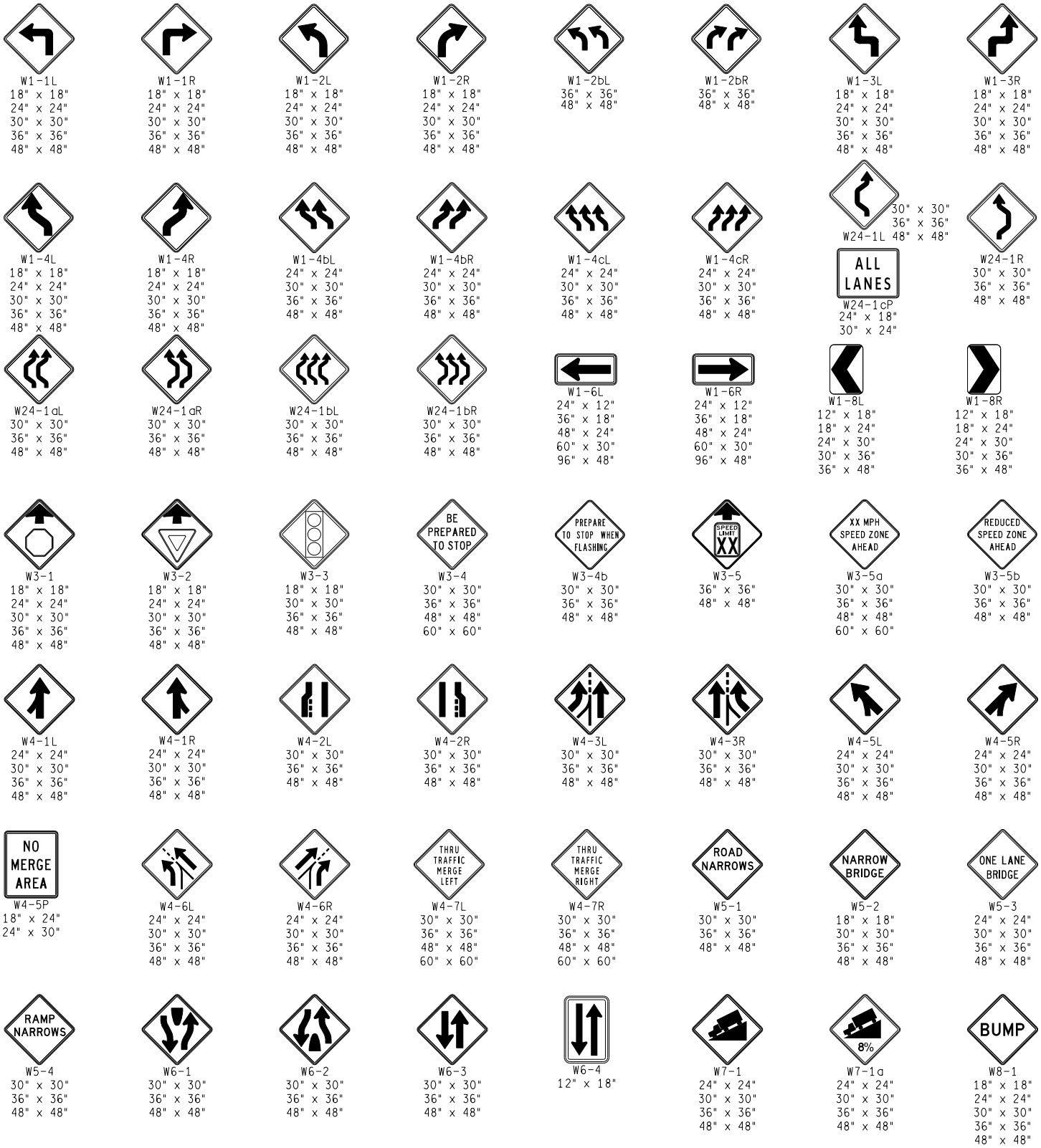
R11-3a
60" x 30"

R11-3b
60" x 30"

R11-4
60" x 30"

SEE MDOT SHS 13-WORK ZONE FOR SIGN DETAILS

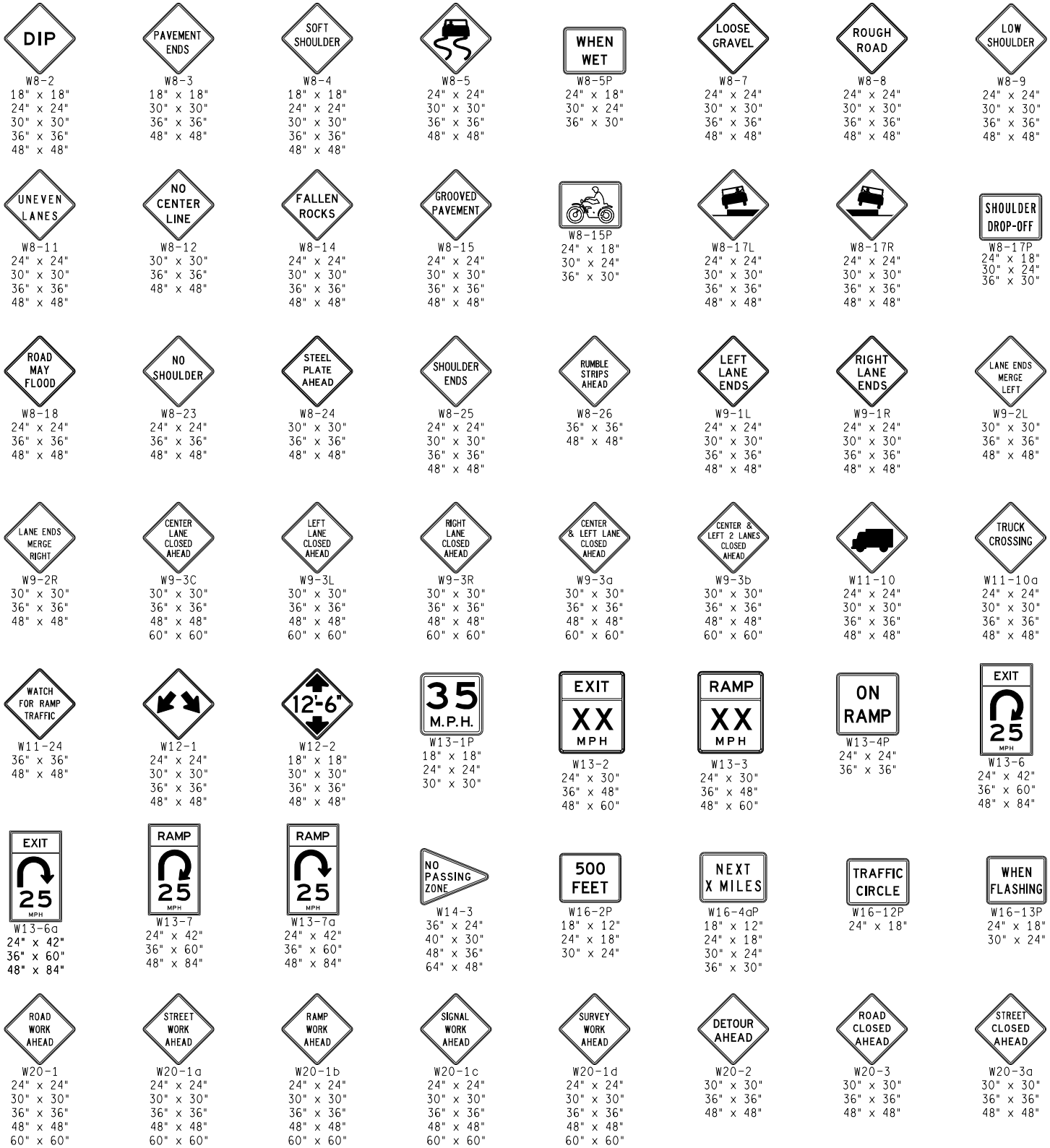
SIGN NUMBER KEY



SEE MDOT SHS 13-WORK ZONE FOR SIGN DETAILS

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	TRAFFIC TYPICALS SIGN SHEET	DATE: JUNE 2021
		NO: 103-GEN-SIGN		SHEET: 3 OF 5
FILE: 103-GEN-SIGN.dgn				

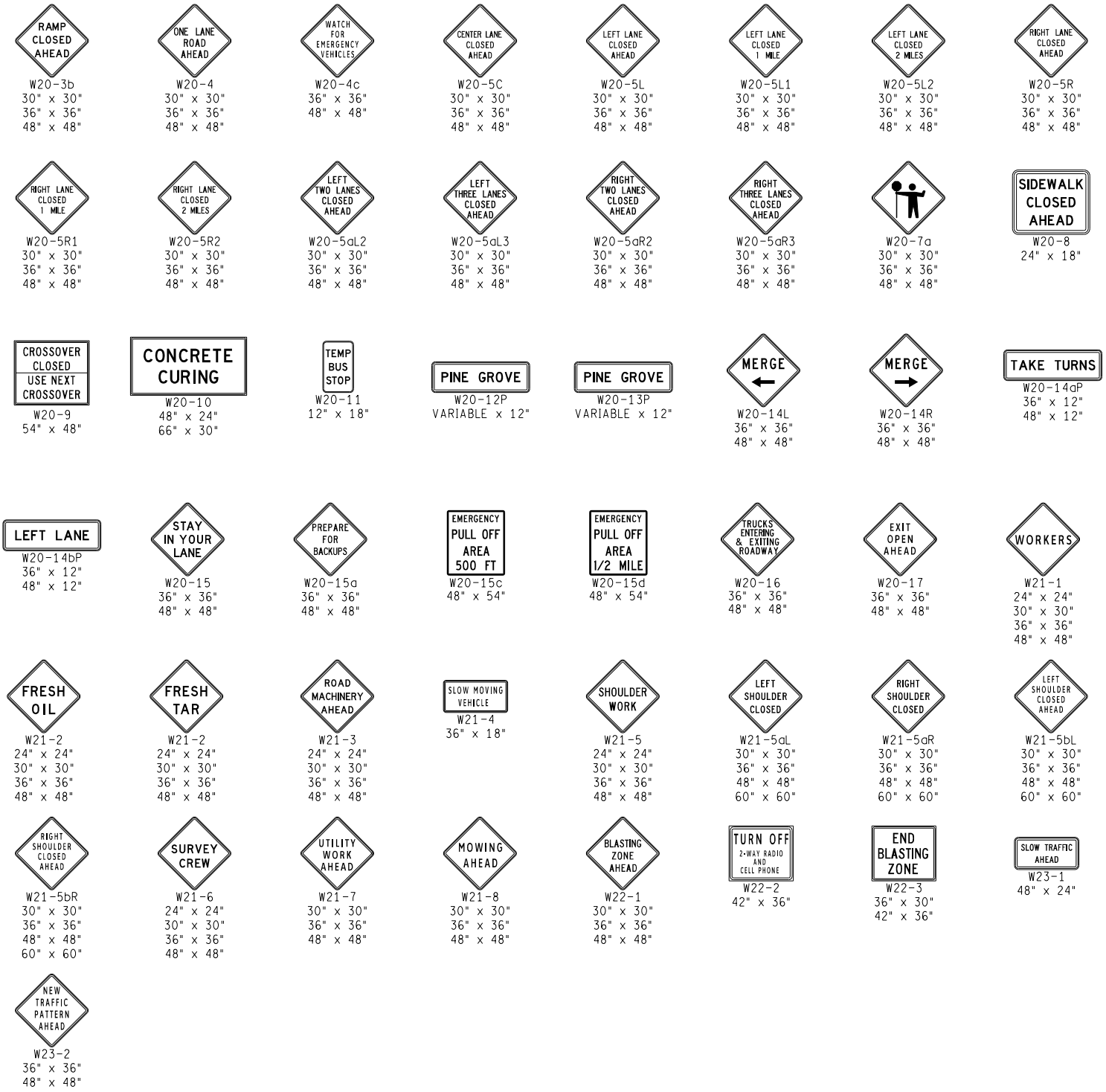
SIGN NUMBER KEY



SEE MDOT SHS 13-WORK ZONE FOR SIGN DETAILS

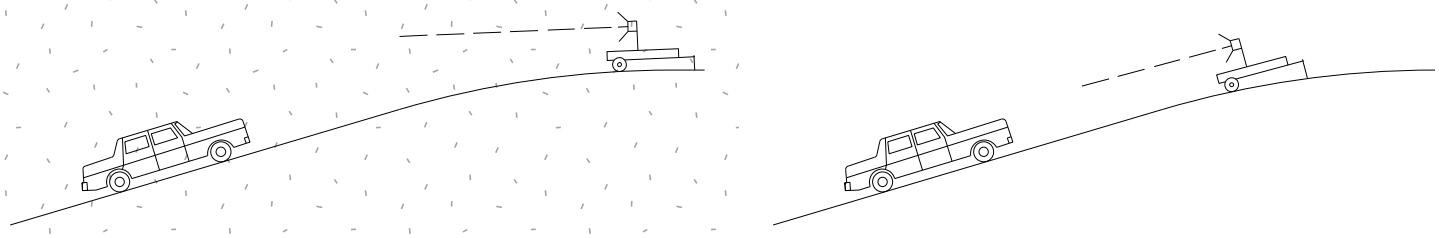
MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL NO: 103-GEN-SIGN	TRAFFIC TYPICALS SIGN SHEET	DATE: JUNE 2021 SHEET: 4 OF 5
FILE: 103-GEN-SIGN.dgn				

SIGN NUMBER KEY



SEE MDOT SHS 13-WORK ZONE FOR SIGN DETAILS

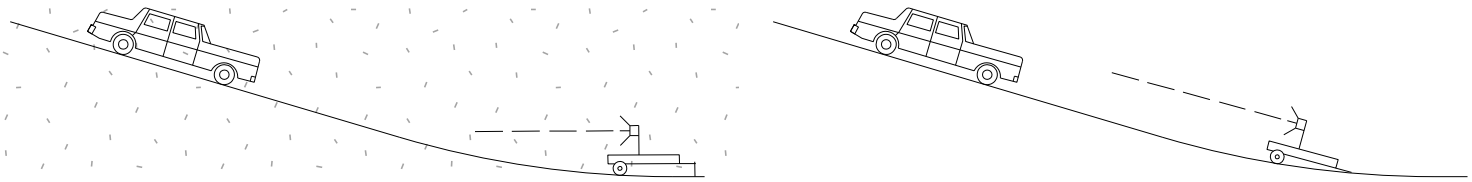
MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	TRAFFIC TYPICALS SIGN SHEET	DATE: JUNE 2021
		NO: 103-GEN-SIGN		SHEET: 5 OF 5
FILE: 103-GEN-SIGN.dgn				



INCORRECT USAGE

CORRECT USAGE

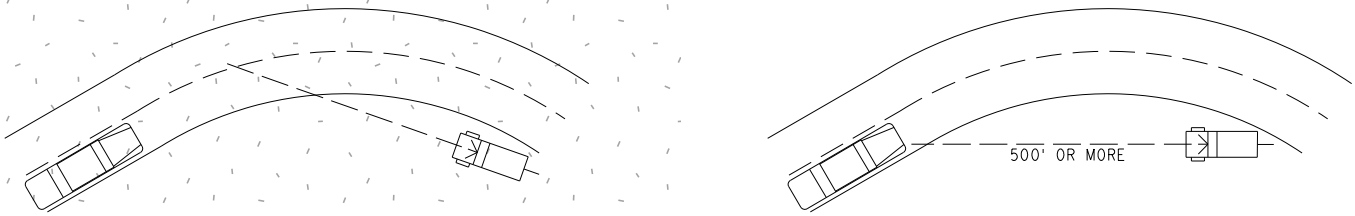
PLACEMENT ON A CREST VERTICAL CURVE



INCORRECT USAGE

CORRECT USAGE

PLACEMENT ON A SAG VERTICAL CURVE



INCORRECT USAGE

CORRECT USAGE

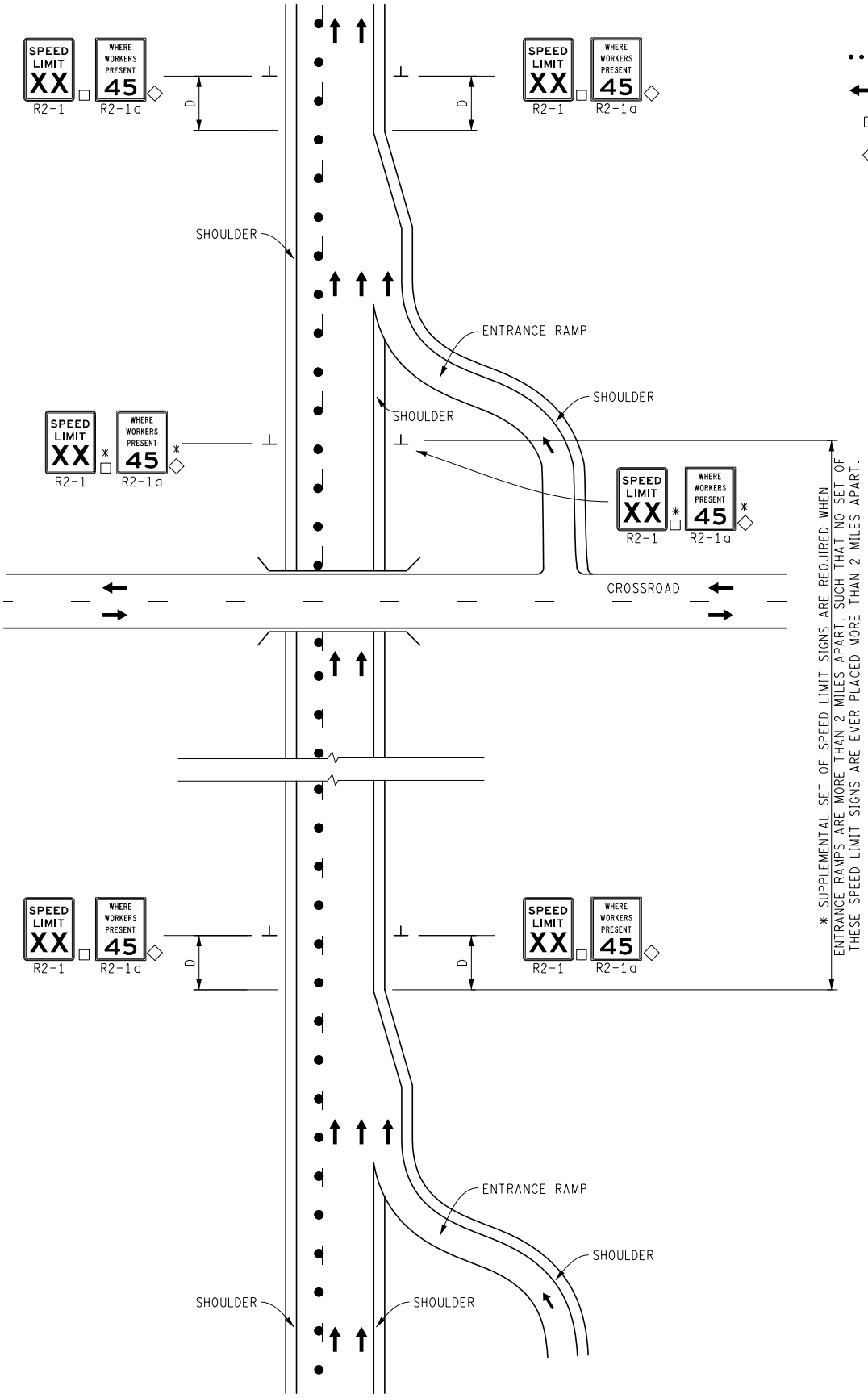
NOT TO SCALE

PLACEMENT ON A HORIZONTAL CURVE

NOTE:

ENSURE THE ARROW REMAINS CLEARLY LEGIBLE AT DISTANCES FROM 2,500 FEET TO 200 FEET, FROM ALL TRAFFIC LANES AND ROADWAY ENTRANCES. DO NOT PLACE THE LIGHTED ARROW ON A HORIZONTAL OR VERTICAL CURVE THAT MIGHT INTERFERE WITH THIS LEGIBILITY REQUIREMENT.

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	USE OF ARROW BOARD ON HILL OR CURVE AND WORK ZONE LAYOUT	DATE: MAY 2021
		NO: 104-GEN-AB		SHEET: 1 OF 1
FILE: 104-GEN-AB.dgn				



KEY

- • • • CHANNELIZING DEVICE
- ← TRAFFIC FLOW
- □ PLACE AS INDICATED IN NOTE S5
- ◇ R2-1a OPTIONAL

STANDARD NOTES

(SEE GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S5, S8
DEVICES: TCD2

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL NO: 105-GEN-SPEED-FW	SUPPLEMENTAL SPEED LIMIT TREATMENT ON LIMITED ACCESS ROADWAYS	DATE: MAY 2021 SHEET: 1 OF 1
FILE: 105-GEN-SPEED-FW.dgn				

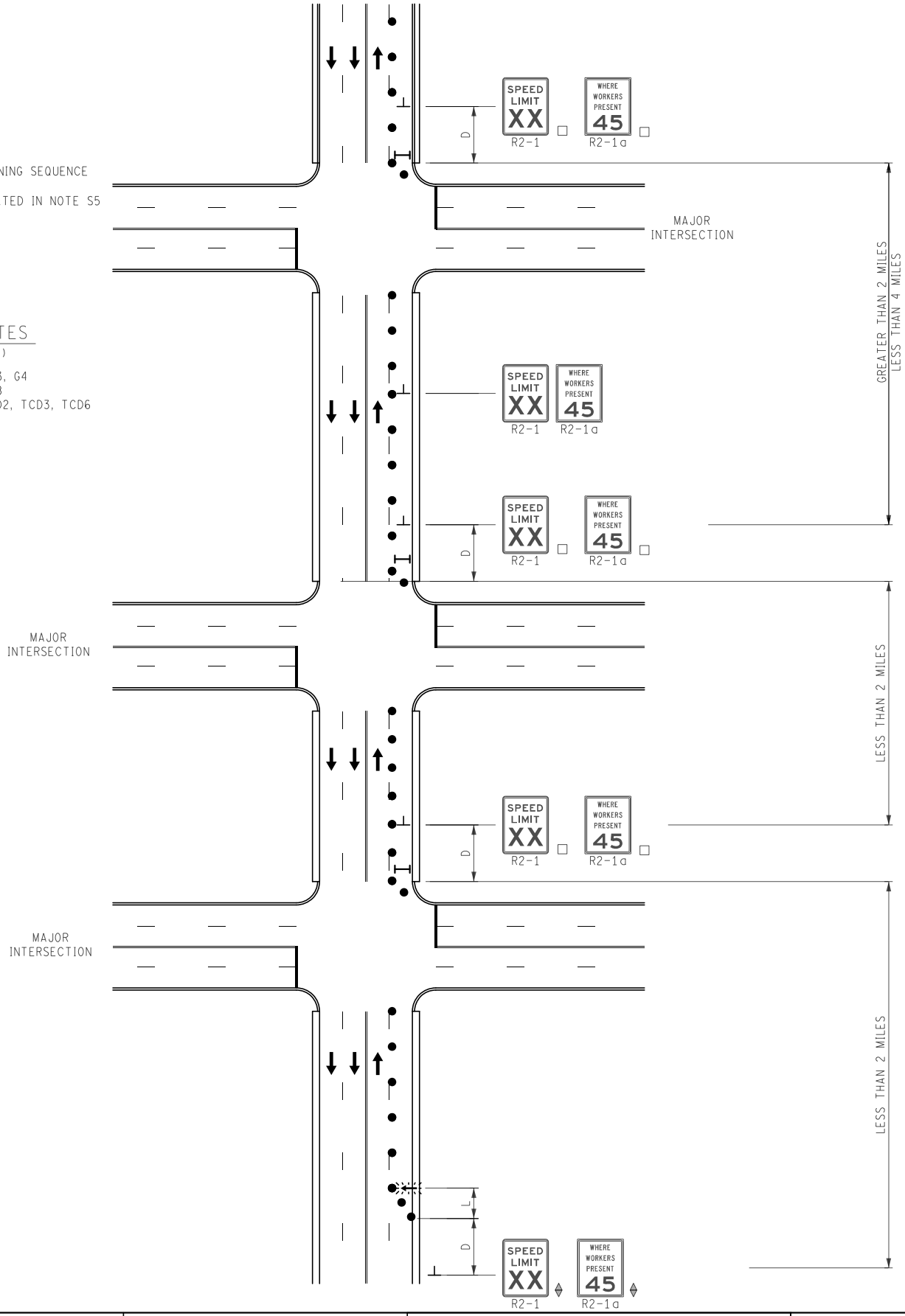
KEY

- CHANNELIZING DEVICE
- TRAFFIC FLOW
- LIGHTED ARROW PANEL
- TYPE III BARRICADE
- PART OF LEAD-IN SIGNING SEQUENCE
- PLACE SIGN AS INDICATED IN NOTE S5

STANDARD NOTES

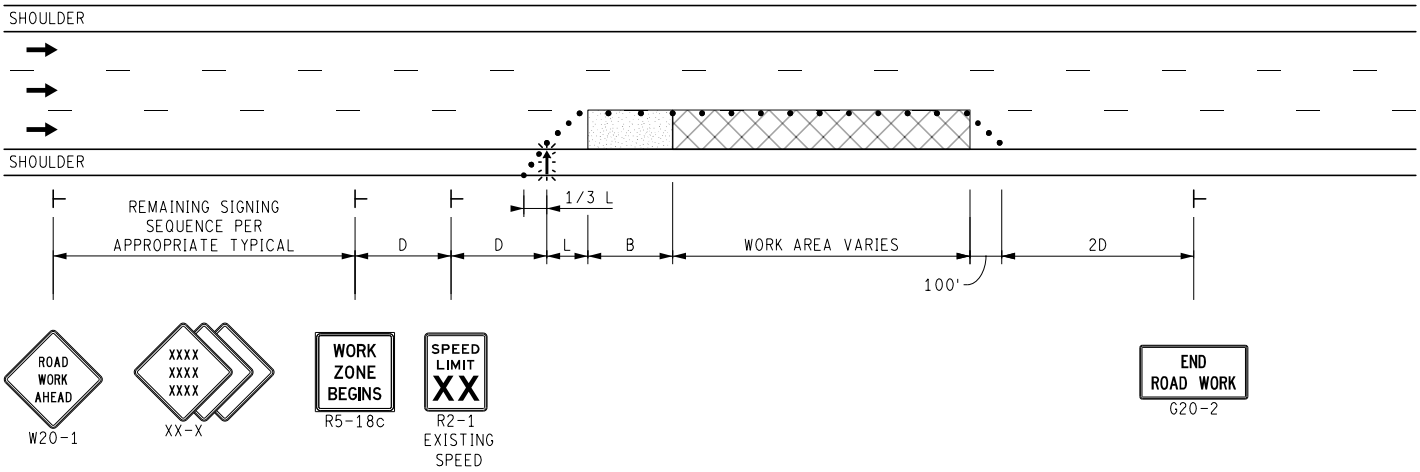
(SEE GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S5, S8
DEVICES: TCD1, TCD2, TCD3, TCD6

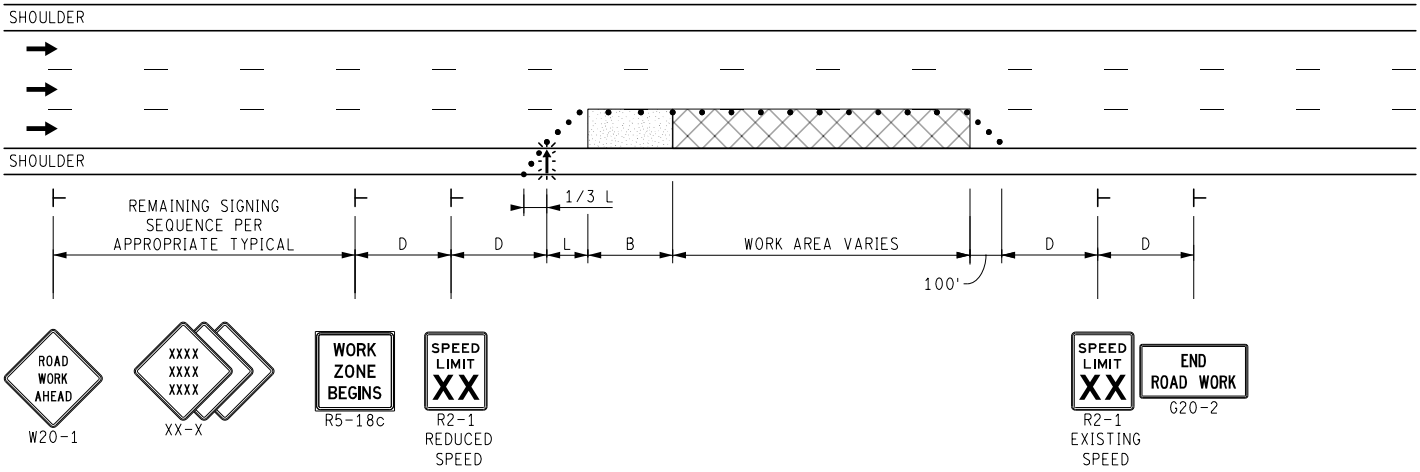


MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	SUPPLEMENTAL SPEED LIMIT TREATMENT ON A 2-WAY ROADWAY WHERE WORKERS PRESENT	DATE: DECEMBER 2021
		NO: 106-GEN-SPEED-NFW		SHEET: 1 OF 1
FILE: 106-GEN-SPEED-NFW.dgn				

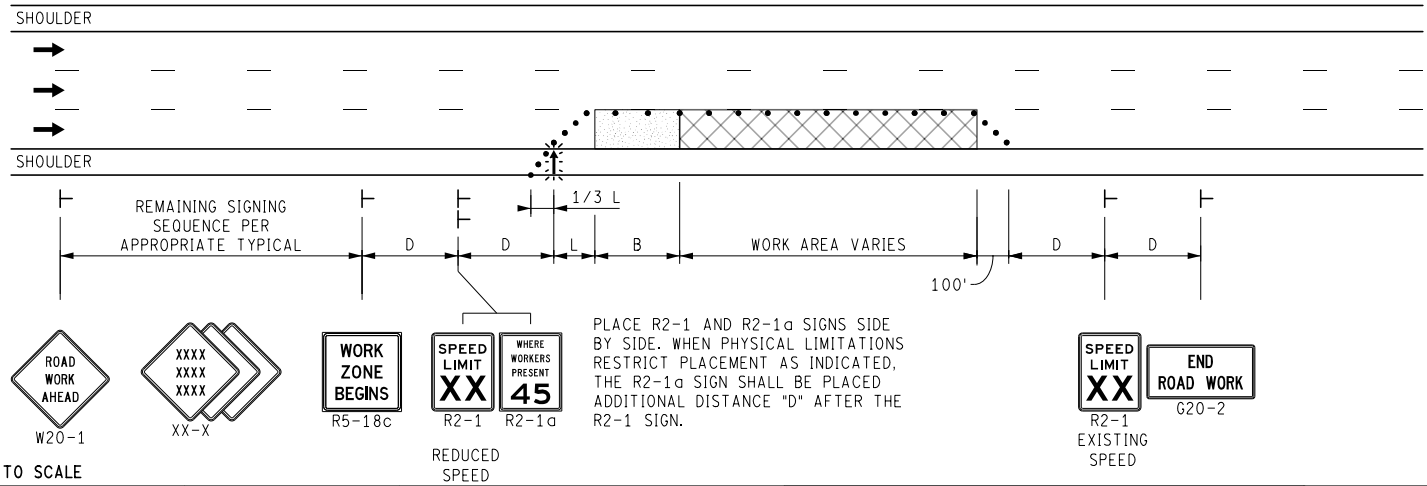
NO SPEED REDUCTION THROUGH WORK ZONE



REDUCED SPEED THROUGH WORK ZONE



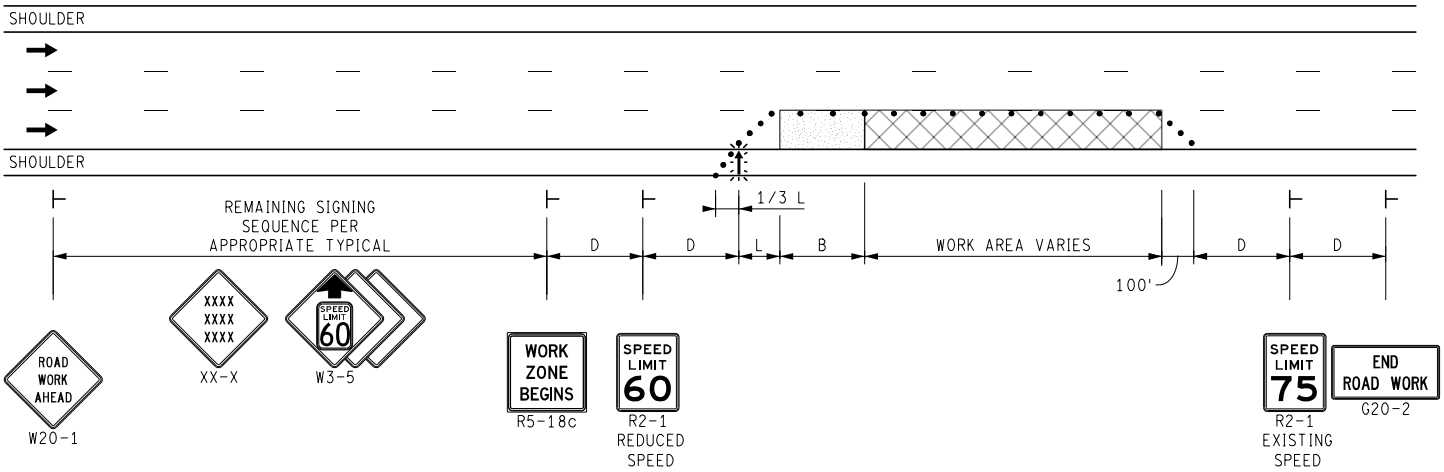
REDUCED SPEED THROUGH WORK ZONE USING "WHERE WORKERS PRESENT"



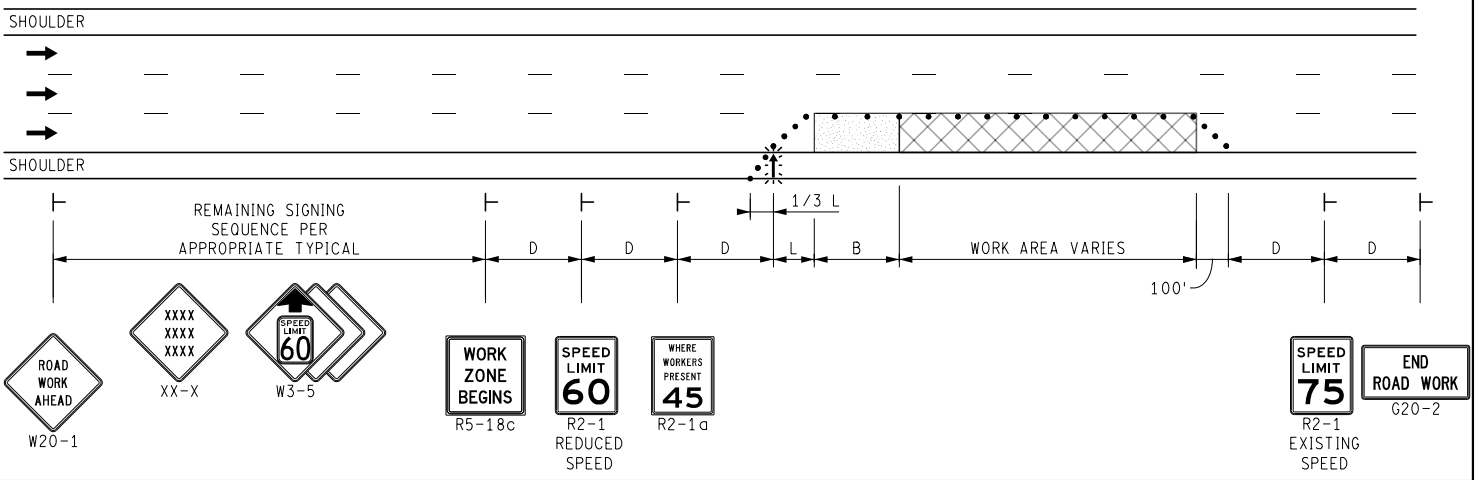
NOT TO SCALE

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	SPEED LIMIT LAYOUT	DATE: MAY 2021
		NO: 107-GEN-SPEED		SHEET: 1 OF 2
FILE: 107-GEN-SPEED.dgn				

REDUCED SPEED FROM 75 TO 60 THROUGH WORK ZONE



REDUCED SPEED FROM 75 TO 45 WWP THROUGH WORK ZONE



NOT TO SCALE

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	SPEED LIMIT LAYOUT	DATE: MAY 2021
		NO: 107-GEN-SPEED		SHEET: 2 OF 2
FILE: 107-GEN-SPEED.dgn				

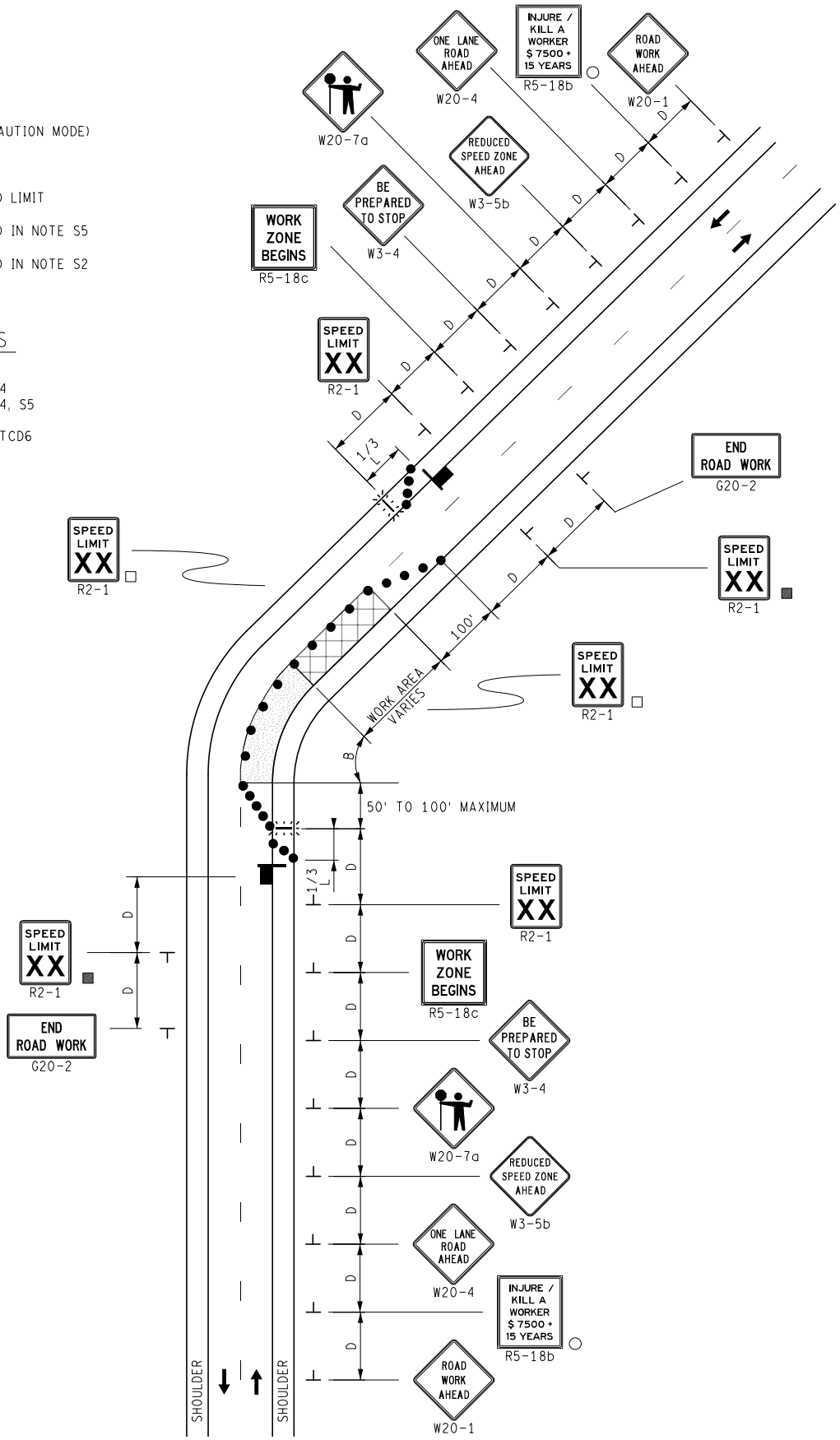
KEY

- TRAFFIC REGULATOR
- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL (CAUTION MODE)
- TRAFFIC FLOW
- ■ REFLECTS EXISTING SPEED LIMIT
- □ PLACE SIGN AS INDICATED IN NOTE S5
- ○ PLACE SIGN AS INDICATED IN NOTE S2

STANDARD NOTES

(SEE GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S2, S3, S4, S5
TRAF REG: TR1, TR2
DEVICES: TCD1, TCD2, TCD6



MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	LANE CLOSURE UTILIZING TRAFFIC REGULATORS ON A 2-LANE UNDIVIDED ROADWAY	DATE: MAY 2021
		NO: 110-TR-NFW-2L		SHEET: 1 OF 1
FILE: 110-TR-NFW-2L.dgn				

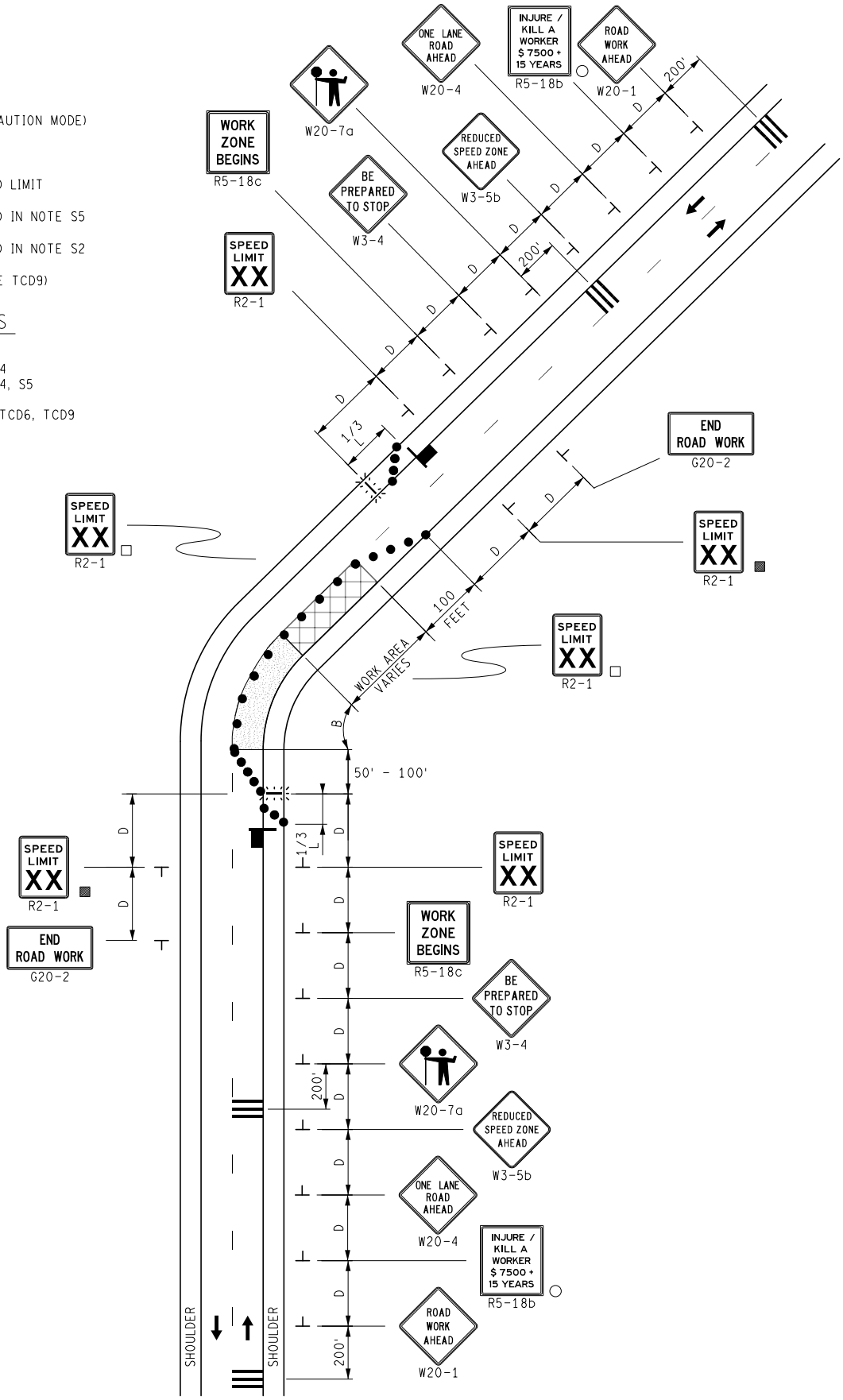
KEY

- TRAFFIC REGULATOR
- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL (CAUTION MODE)
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- PLACE SIGN AS INDICATED IN NOTE S5
- PLACE SIGN AS INDICATED IN NOTE S2
- RUMBLE STRIPS (SEE NOTE TCD9)

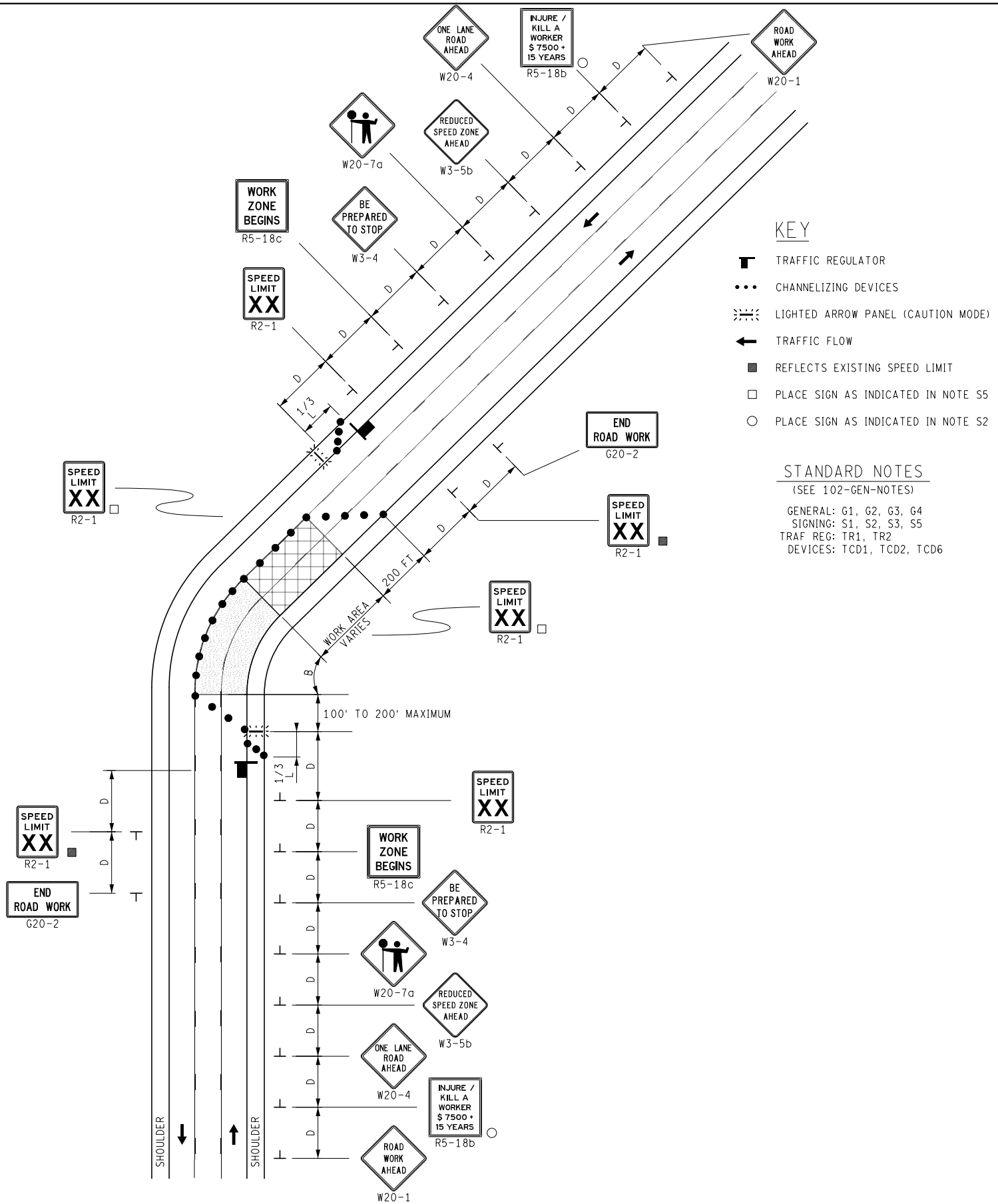
STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S2, S3, S4, S5
TRAF REG: TR1, TR2
DEVICES: TCD1, TCD2, TCD6, TCD9



MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	LANE CLOSURE UTILIZING TRAFFIC REGULATORS ON A 2-LANE UNDIVIDED ROADWAY RUMBLE STRIPS	DATE: MAY 2021
		NO: 111-TR-NFW-2L-RUM		SHEET: 1 OF 1
FILE: 111-TR-NFW-2L-RUM.dgn				



MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	1-LANE AND CLTL CLOSURE UTILIZING TRAFFIC REGULATORS ON A 3-LANE UNDIVIDED ROADWAY	DATE: MAY 2021
		NO: 112-TR-CLT		SHEET: 1 OF 1
FILE: 112-TR-CLT.dgn				

NOTE

THIS TYPICAL IS ONLY TO BE USED WITHIN AN EXISTING WORK ZONE. INCLUDE ADDITIONAL LEAD IN WORK ZONE SIGNS WHEN USING THIS TYPICAL.

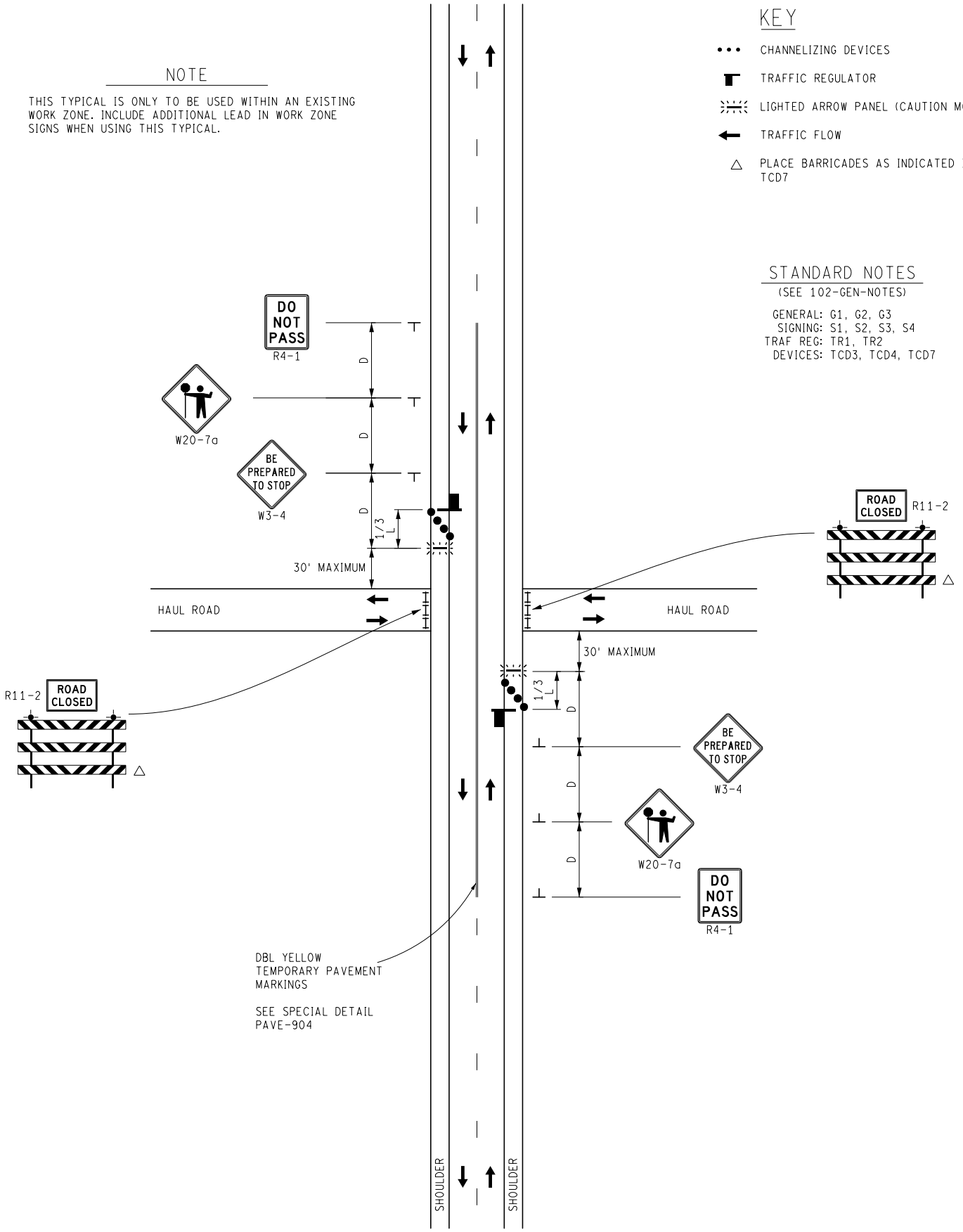
KEY

- CHANNELIZING DEVICES
- TRAFFIC REGULATOR
- LIGHTED ARROW PANEL (CAUTION MODE)
- TRAFFIC FLOW
- △ PLACE BARRICADES AS INDICATED IN NOTE TCD7

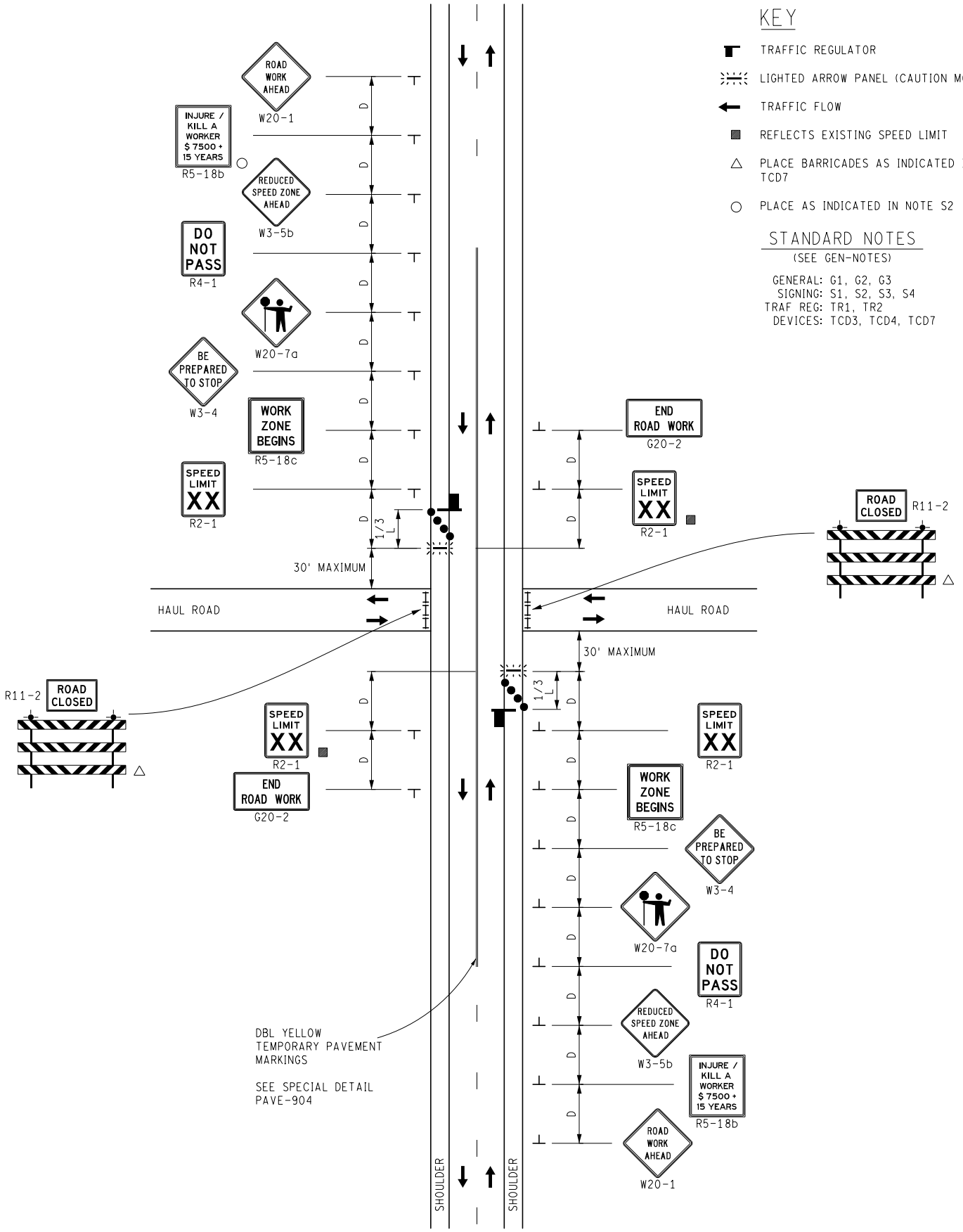
STANDARD NOTES

(SEE 102-GEN-NOTES)

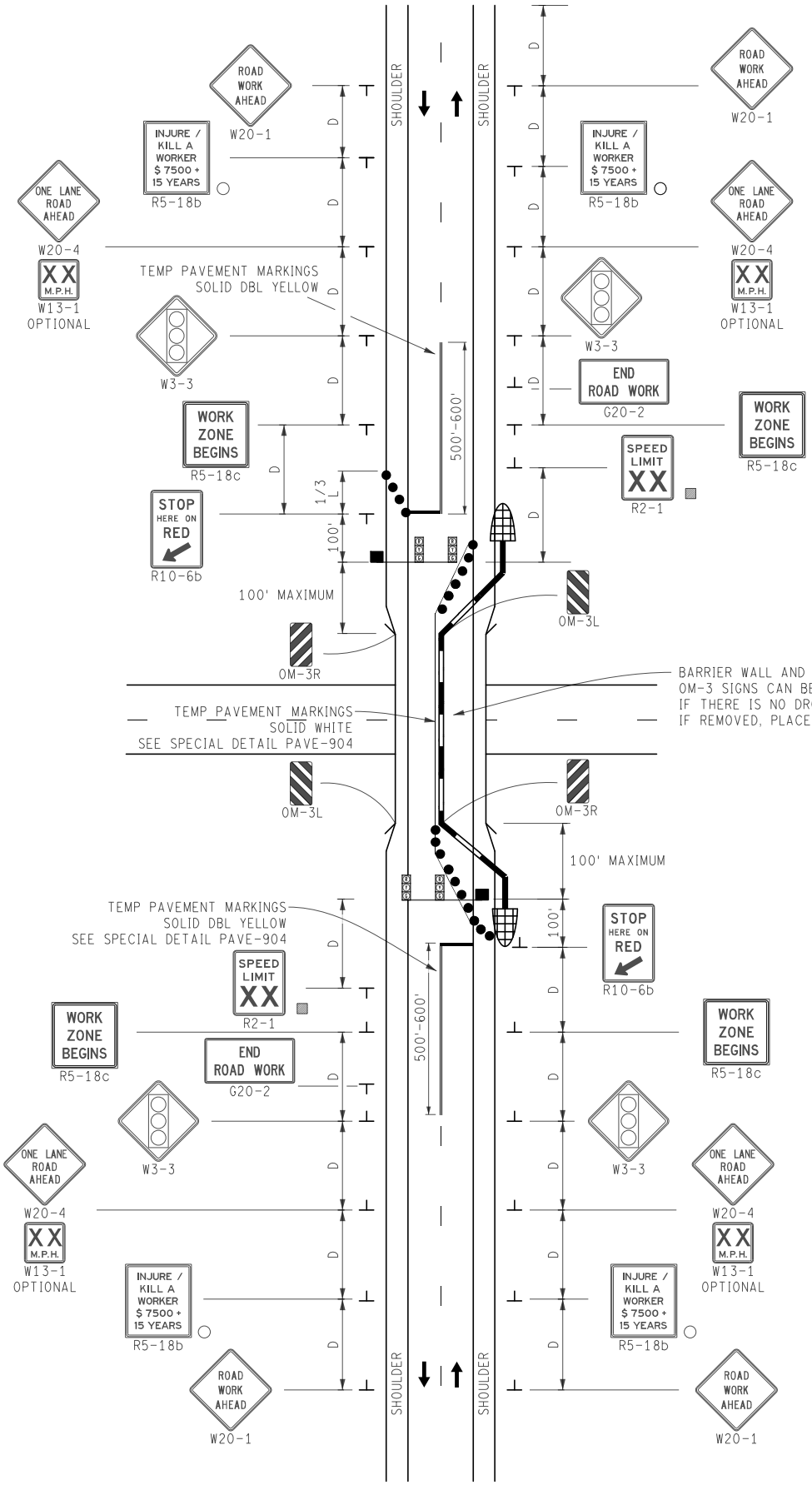
GENERAL: G1, G2, G3
SIGNING: S1, S2, S3, S4
TRAF REG: TR1, TR2
DEVICES: TCD3, TCD4, TCD7



MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	HAUL ROAD CROSSING UTILIZING TRAFFIC REGULATORS ON A 2-LANE, UNDIVIDED ROADWAY WITHIN AN EXISTING WORK ZONE	DATE: MAY 2021
		NO: 113-TR-HAUL		SHEET: 1 OF 1
FILE: 113-TR-HAUL.dgn				



MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	HAUL ROAD CROSSING UTILIZING TRAFFIC REGULATORS ON A 2-LANE, UNDIVIDED ROADWAY WITH ADVANCED WARNING	DATE: MAY 2021
		NO: 114-TR-HAUL-AW		SHEET: 1 OF 1
FILE: 114-TR-HAUL-AW.dgn				



KEY

- CHANNELIZING DEVICES
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- PLACE SIGN AS INDICATED IN NOTE S2
- TEMPORARY TRAFFIC SIGNAL
- TEMPORARY PAVEMENT MARKING (SOLID 24" STOP BAR)
- TEMPORARY CONCRETE BARRIER WALL (USE WHITE BARRIER REFLECTORS)
- CRASH ATTENUATOR

STANDARD NOTES

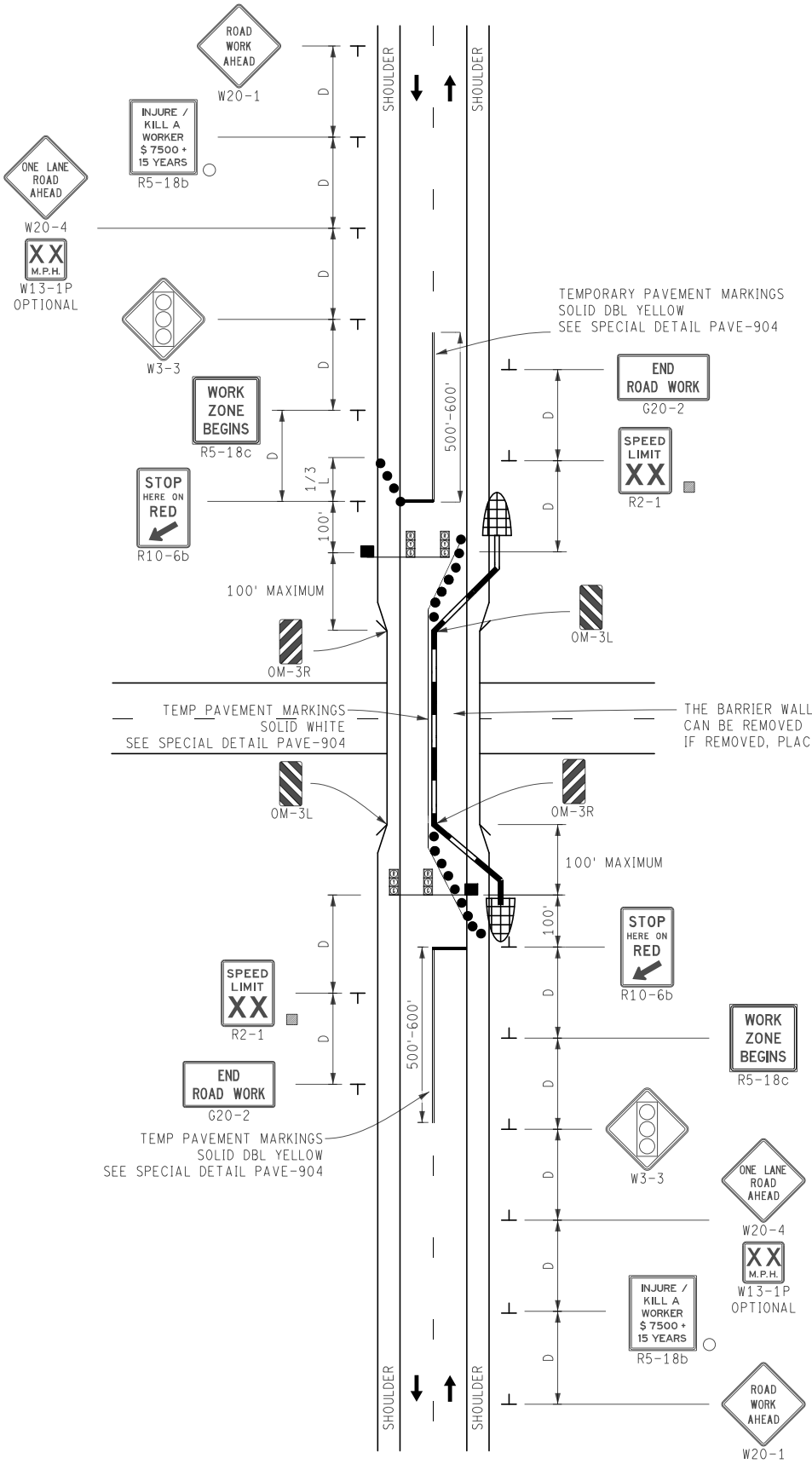
(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G5
SIGNING: S1, S2, S3, S4
DEVICES: TCD1, TCD5

NOTE

INCREASE THE 100' MAXIMUM WIDTH IF REQUIRED TO ALLOW LARGER RECREATIONAL VEHICLES TO PASS.

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL NO: 120-TS-DUAL-SIGN	TEMPORARY TRAFFIC SIGNAL WITH DUAL SIGNING ON A 2-LANE UNDIVIDED ROADWAY	DATE: JANUARY 2021 SHEET: 1 OF 1
FILE: 120-TS-DUAL-SIGN.dgn				



KEY

- CHANNELIZING DEVICES
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- PLACE SIGN AS INDICATED IN NOTE S2
- TEMPORARY TRAFFIC SIGNAL
- TEMPORARY PAVEMENT MARKING (SOLID 24" STOP BAR)
- TEMPORARY CONCRETE BARRIER WALL (USE WHITE BARRIER REFLECTORS)
- CRASH ATTENUATOR

STANDARD NOTES

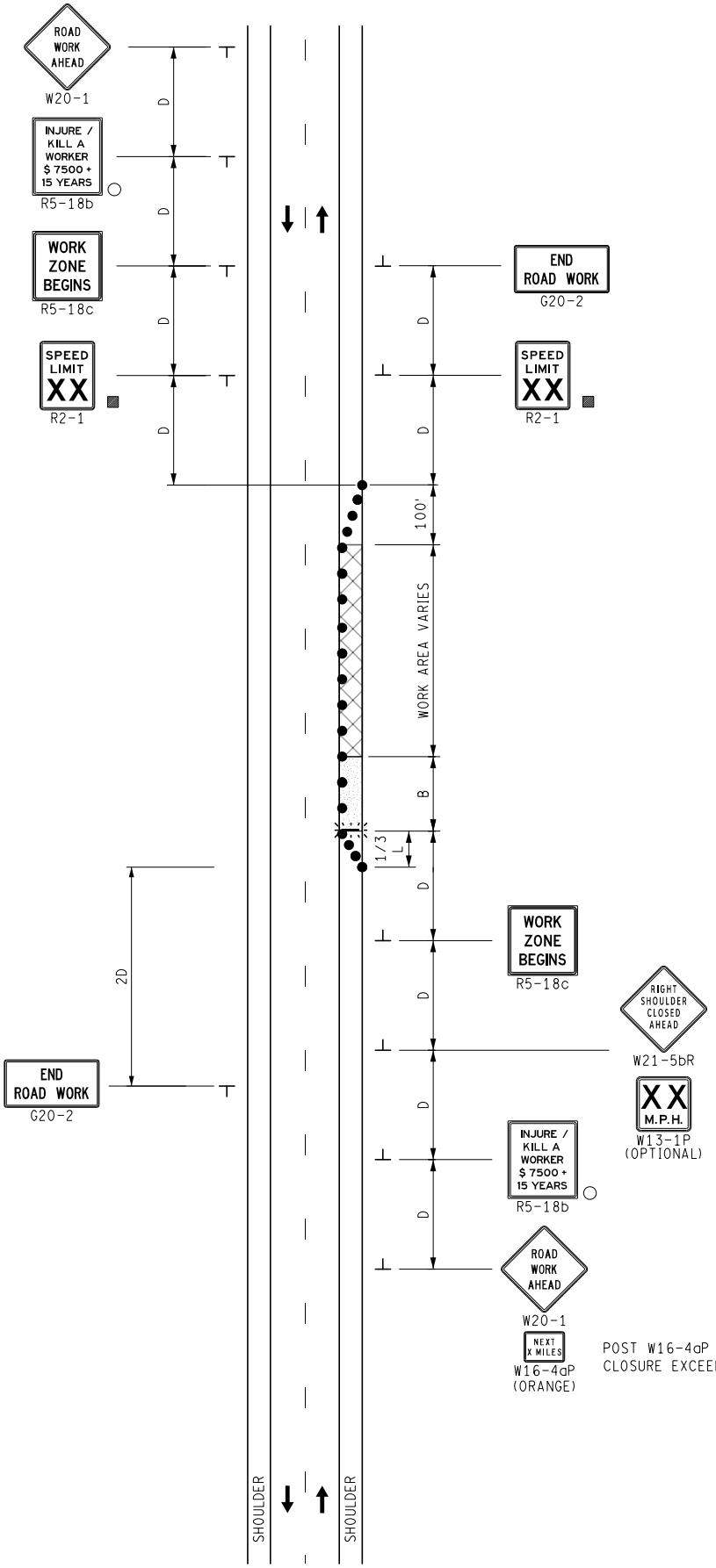
(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G5
SIGNING: S1, S2, S3, S4
DEVICES: TCD1, TCD5

NOTE

INCREASE THE 100' MAXIMUM WIDTH IF REQUIRED TO ALLOW LARGER RECREATIONAL VEHICLES TO PASS.

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	TEMPORARY TRAFFIC SIGNAL WITH SINGLE SIGNING ON A 2-LANE UNDIVIDED ROADWAY	DATE: DECEMBER 2021
		NO: 121-TS-SINGLE-SIGN		SHEET: 1 OF 1
FILE: 121-TS-SINGLE-SIGN.dgn				



POST W16-4aP WHEN SHOULDER CLOSURE EXCEEDS 1 MILE IN LENGTH

KEY

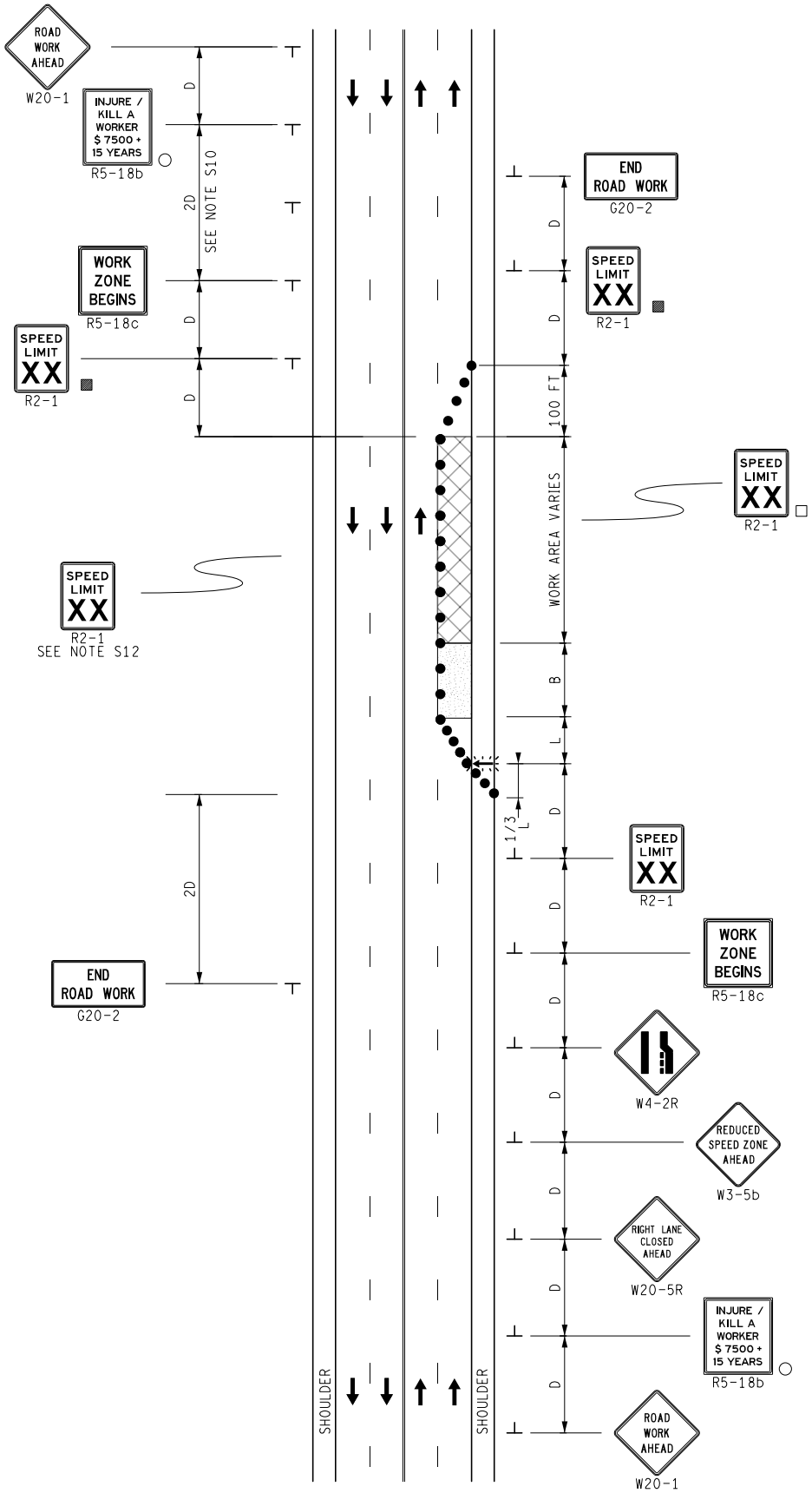
- • • • CHANNELIZING DEVICES
- LIGHTED ARROW PANEL (CAUTION MODE)
- TRAFFIC FLOW
- ■ REFLECTS EXISTING SPEED LIMIT
- ○ PLACE SIGN AS INDICATED IN NOTE S2

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S2, S3, S5
DEVICES: TCD1, TCD2, TCD6, TCD7

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL NO: 122-NFW-SHL-(R)	SHOULDER CLOSURE ON A 2-LANE, UNDIVIDED ROADWAY	DATE: MAY 2021 SHEET: 1 OF 1
FILE: 122-NFW-SHL-(R).dgn				



KEY

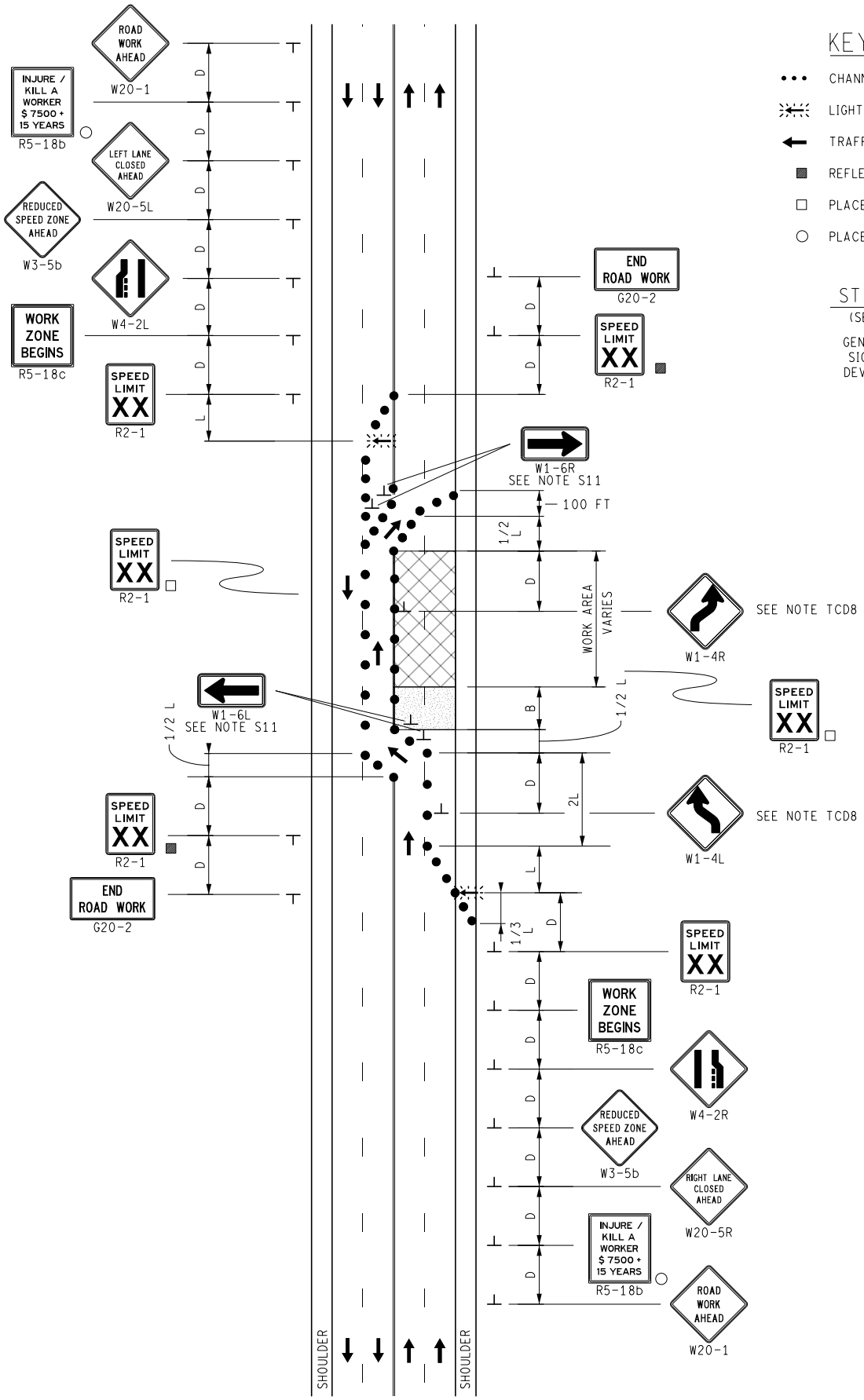
- • • • CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- ■ REFLECTS EXISTING SPEED LIMIT
- □ PLACE SIGN AS INDICATED IN NOTE S5
- ○ PLACE SIGN AS INDICATED IN NOTE S2

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S2, S3, S5, S10, S12
DEVICES: TCD1, TCD2, TCD6

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL NO: 123-NFW-1LC-(R)	1 RIGHT LANE CLOSURE ON A 4-LANE UNDIVIDED ROADWAY	DATE: MAY 2021 SHEET: 1 OF 1
FILE: 123-NFW-1LC-(R).dgn				



KEY

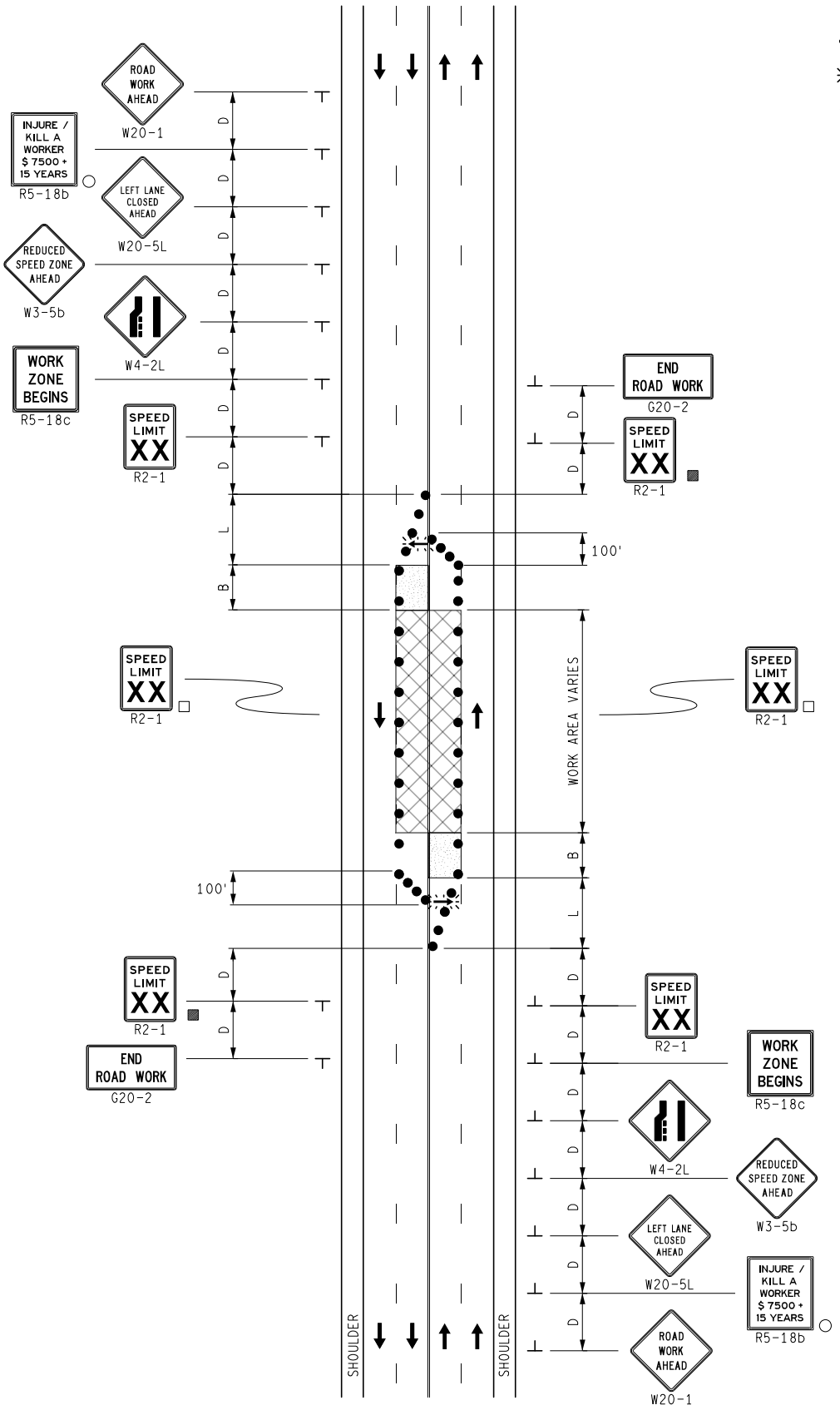
- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- PLACE SIGN AS INDICATED IN NOTE S5
- PLACE SIGN AS INDICATED IN NOTE S2

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4, G5
SIGNING: S1, S2, S3, S5, S11
DEVICES: TCD1, TCD2, TCD6, TCD8

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL NO: 124-NFW-2(R+L)LC-SHIFT	2 LANE CLOSURES, LEFT AND RIGHT WITH A SINGLE LANE SHIFT ON A 4-LANE UNDIVIDED ROADWAY	DATE: MAY 2021 SHEET: 1 OF 1
FILE: 124-NFW-2(R+L)LC-SHIFT.dgn				



KEY

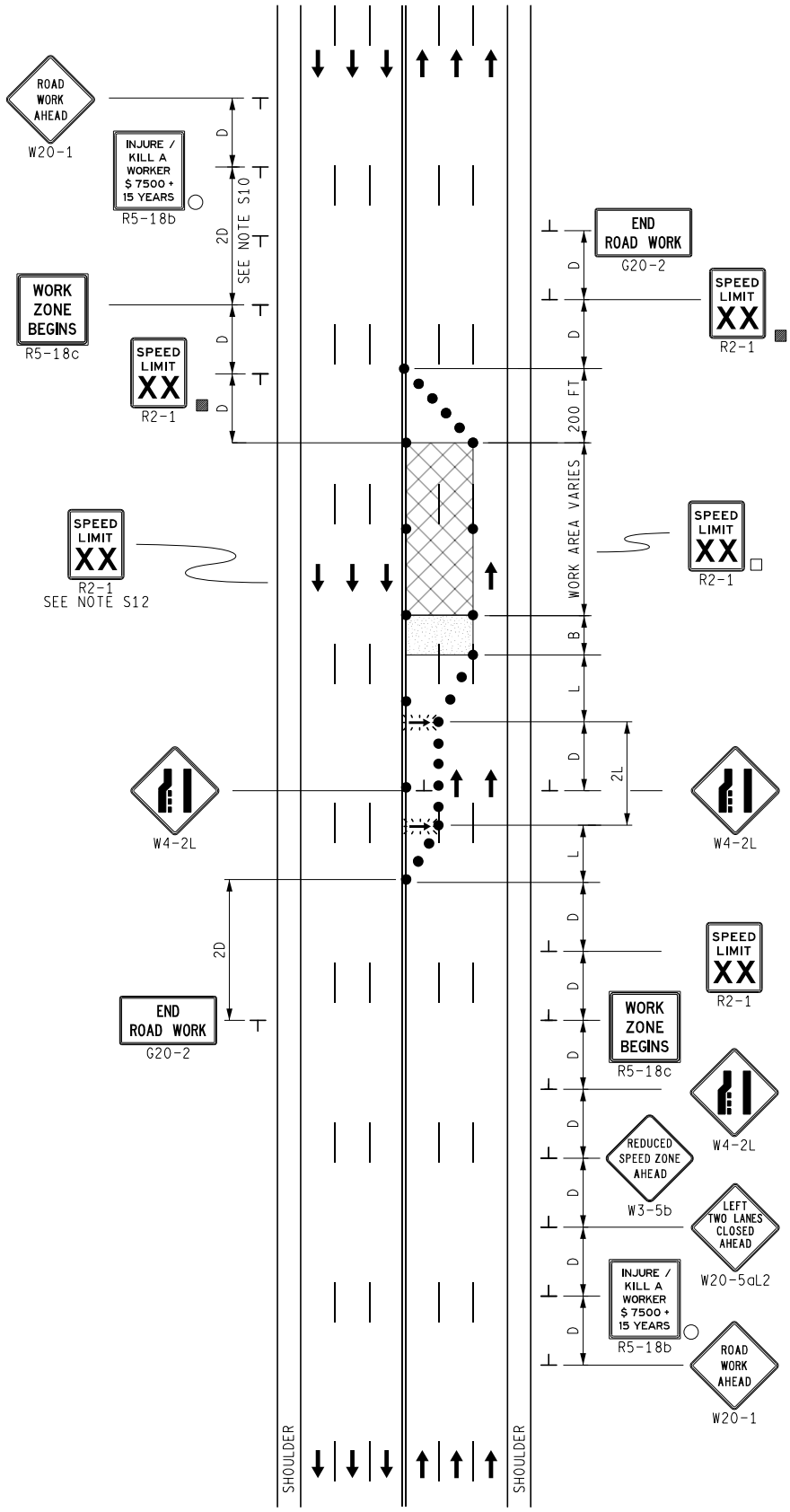
- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- PLACE SIGN AS INDICATED IN NOTE S5
- PLACE SIGN AS INDICATED IN NOTE S2

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S2, S3, S5
DEVICES: TCD1, TCD2, TCD6

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL NO: 125-NFW-2LC-(IN)	2-LANE CLOSURE (INSIDE LANES) ON A 4-LANE UNDIVIDED ROADWAY	DATE: MAY 2021 SHEET: 1 OF 1
FILE: 125-NFW-2LC-(IN).dgn				



KEY

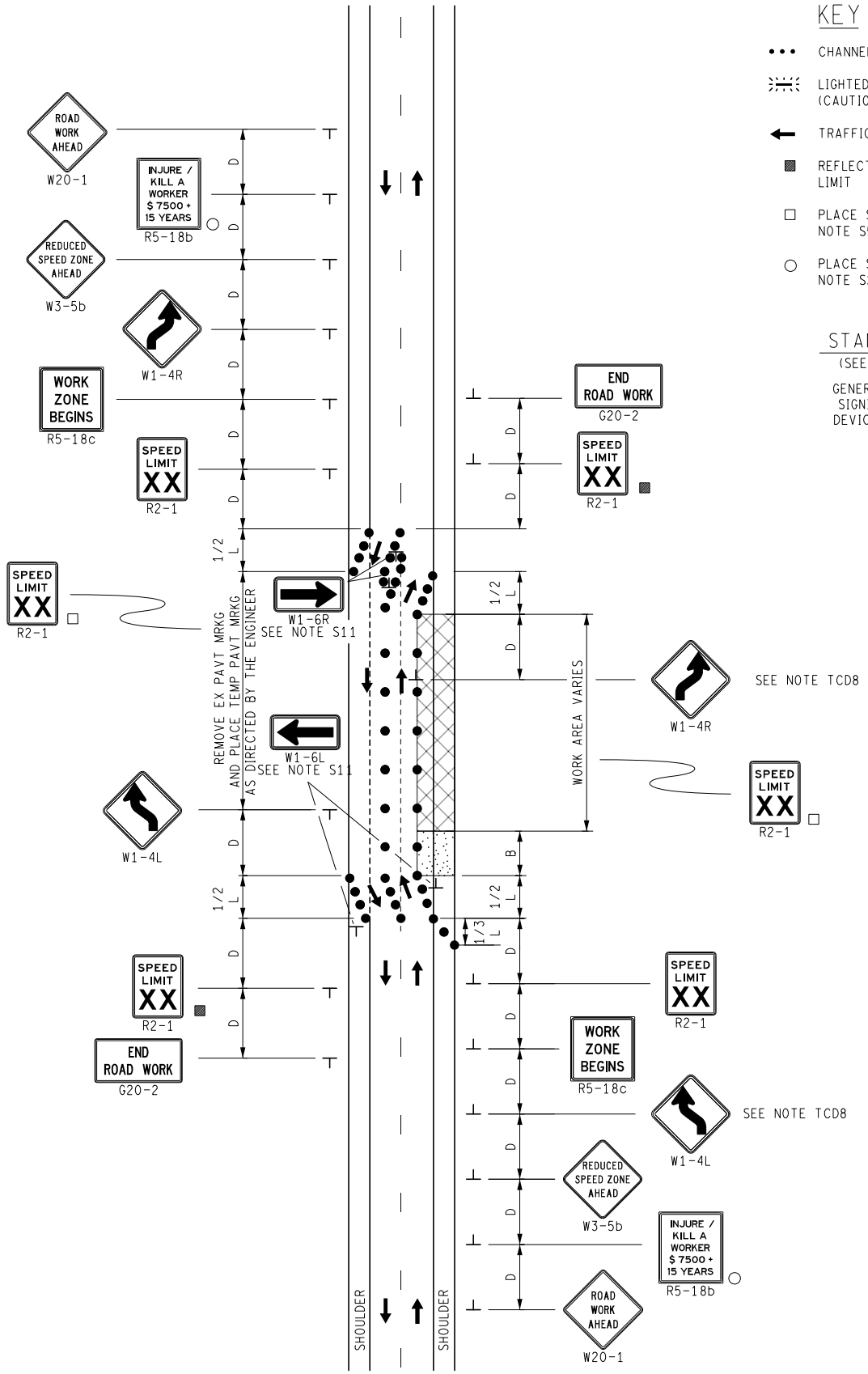
- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- PLACE SIGN AS INDICATED IN NOTE S5
- PLACE SIGN AS INDICATED IN NOTE S2

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S2, S3, S5, S10, S12
DEVICES: TCD1, TCD2, TCD6

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL NO: 126-NFW-2LC-(L)	LEFT 2-LANE CLOSURE IN ONE DIRECTION ON A 6-LANE UNDIVIDED ROADWAY	DATE: MAY 2021 SHEET: 1 OF 1
FILE: 126-NFW-2LC-(L).dgn				



KEY

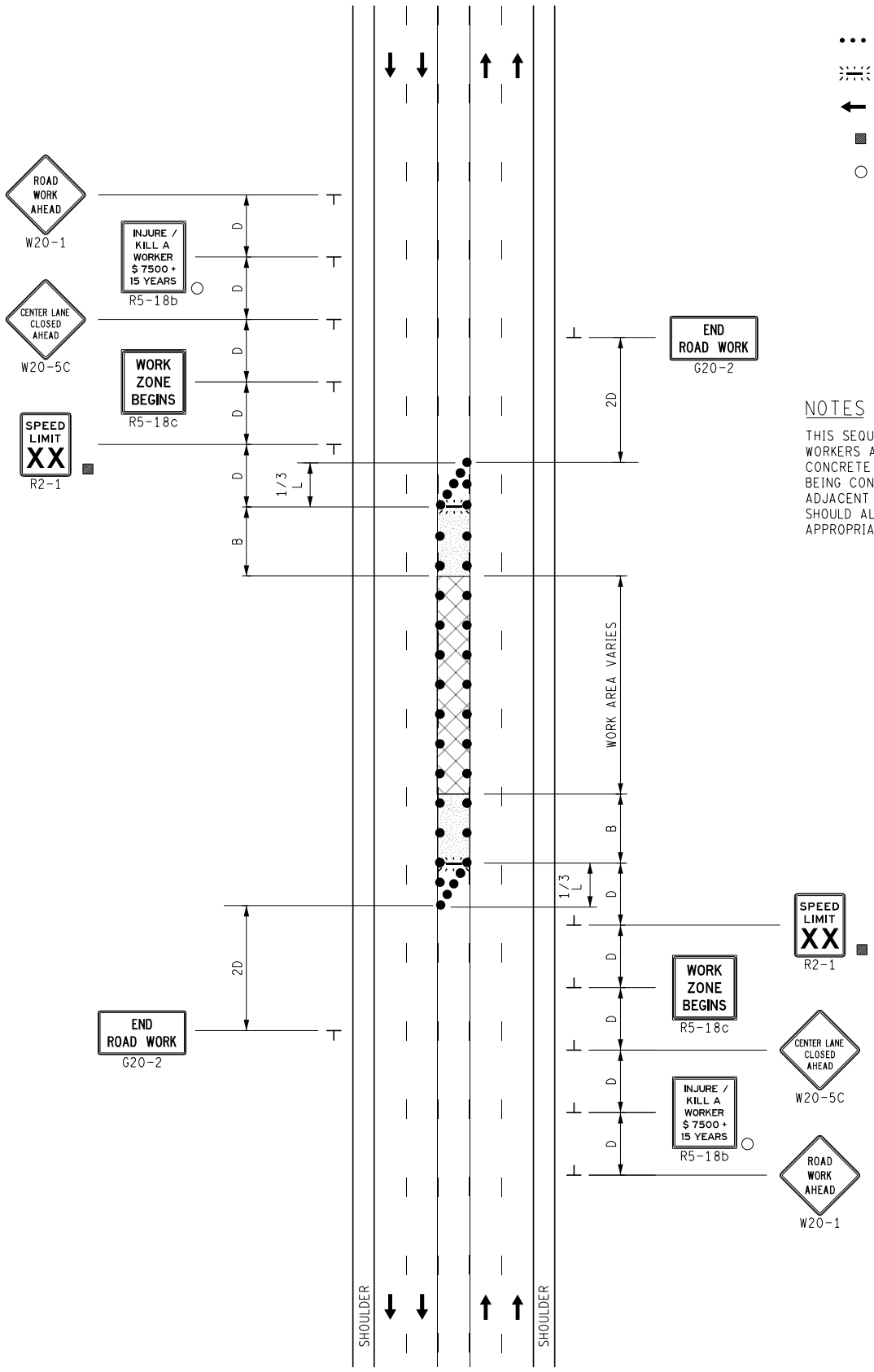
- • • • CHANNELIZING DEVICES
- LIGHTED ARROW PANEL (CAUTION MODE)
- ← TRAFFIC FLOW
- ■ REFLECTS EXISTING SPEED LIMIT
- □ PLACE SIGN AS INDICATED IN NOTE S5
- ○ PLACE SIGN AS INDICATED IN NOTE S2

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4, G5
SIGNING: S1, S2, S3, S5, S11
DEVICES: TCD1, TCD2, TCD6. TCD8

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL NO: 127-NFW-SHIFT-OLC	SHIFT WITH BOTH BOUNDS SHIFTED ON A 2-LANE UNDIVIDED ROADWAY	DATE: JUNE 2021 SHEET: 1 OF 1
FILE: 127-NFW-SHIFT-OLC.dgn				



KEY

- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL (CAUTION MODE)
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- PLACE SIGN AS INDICATED IN NOTE S2

STANDARD NOTES

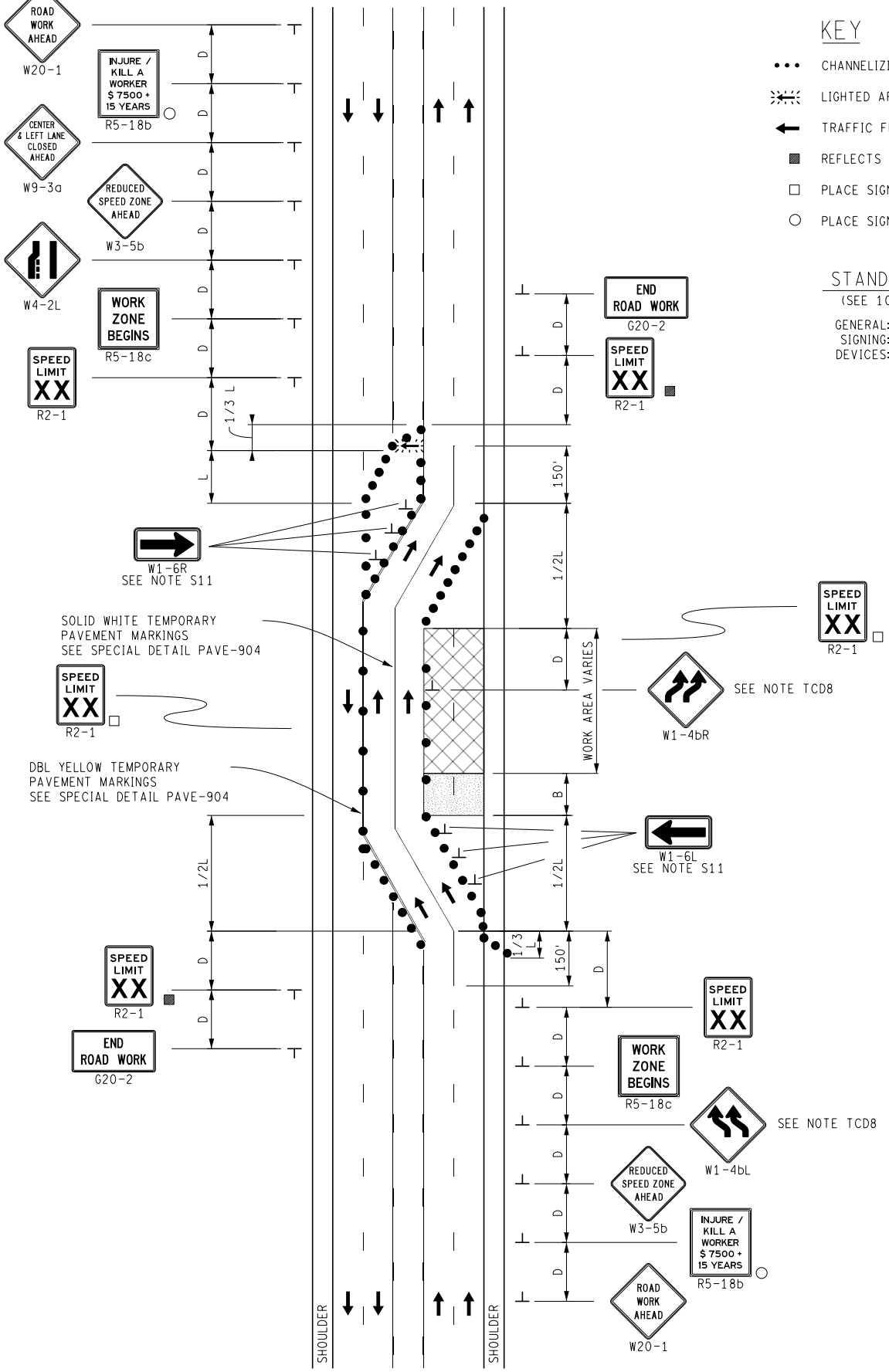
(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S2, S3, S5
DEVICES: TCD1, TCD2, TCD6

NOTES

THIS SEQUENCE SHOULD ONLY BE USED WHEN WORKERS ARE NOT PRESENT, E.G., FOR CURING CONCRETE OVERNIGHT, ETC. WHEN WORK IS BEING CONDUCTED IN THE CENTER LANE, AN ADJACENT LANE (IN ONE OR BOTH DIRECTIONS) SHOULD ALSO BE CLOSED UTILIZING THE APPROPRIATE TYPICAL SIGNING SEQUENCE

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL NO: 130-CLT-1(CLT)	CENTER LANE CLOSURE ON A MULTI-LANE UNDIVIDED ROADWAY	DATE: MAY 2021 SHEET: 1 OF 1
FILE: 130-CLT-1(CLT).dgn				



KEY

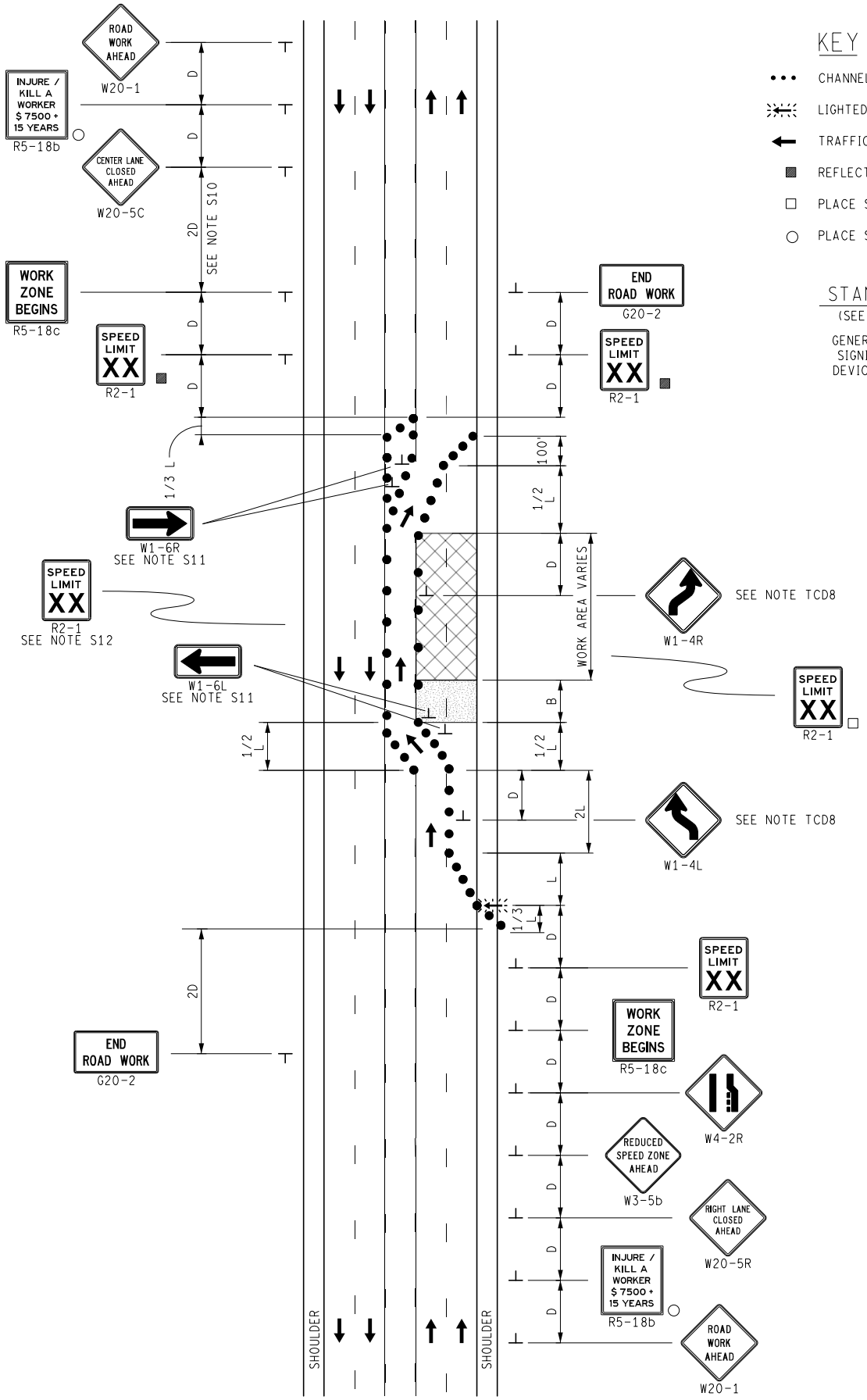
- • • • CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- ■ REFLECTS EXISTING SPEED LIMIT
- □ PLACE SIGN AS INDICATED IN NOTE S5
- ○ PLACE SIGN AS INDICATED IN NOTE S2

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4, G5
SIGNING: S1, S2, S3, S5, S11
DEVICES: TCD1, TCD2, TCD6, TCD8

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	1-BOUND CLOSURE WITH A DOUBLE LANE SHIFT ON A 5-LANE UNDIVIDED ROADWAY	DATE: JUNE 2021
		NO: 131-CLT-1(L)LC-SHIFT		SHEET: 1 OF 1
FILE: 131-CLT-1(L)LC-SHIFT.dgn				



KEY

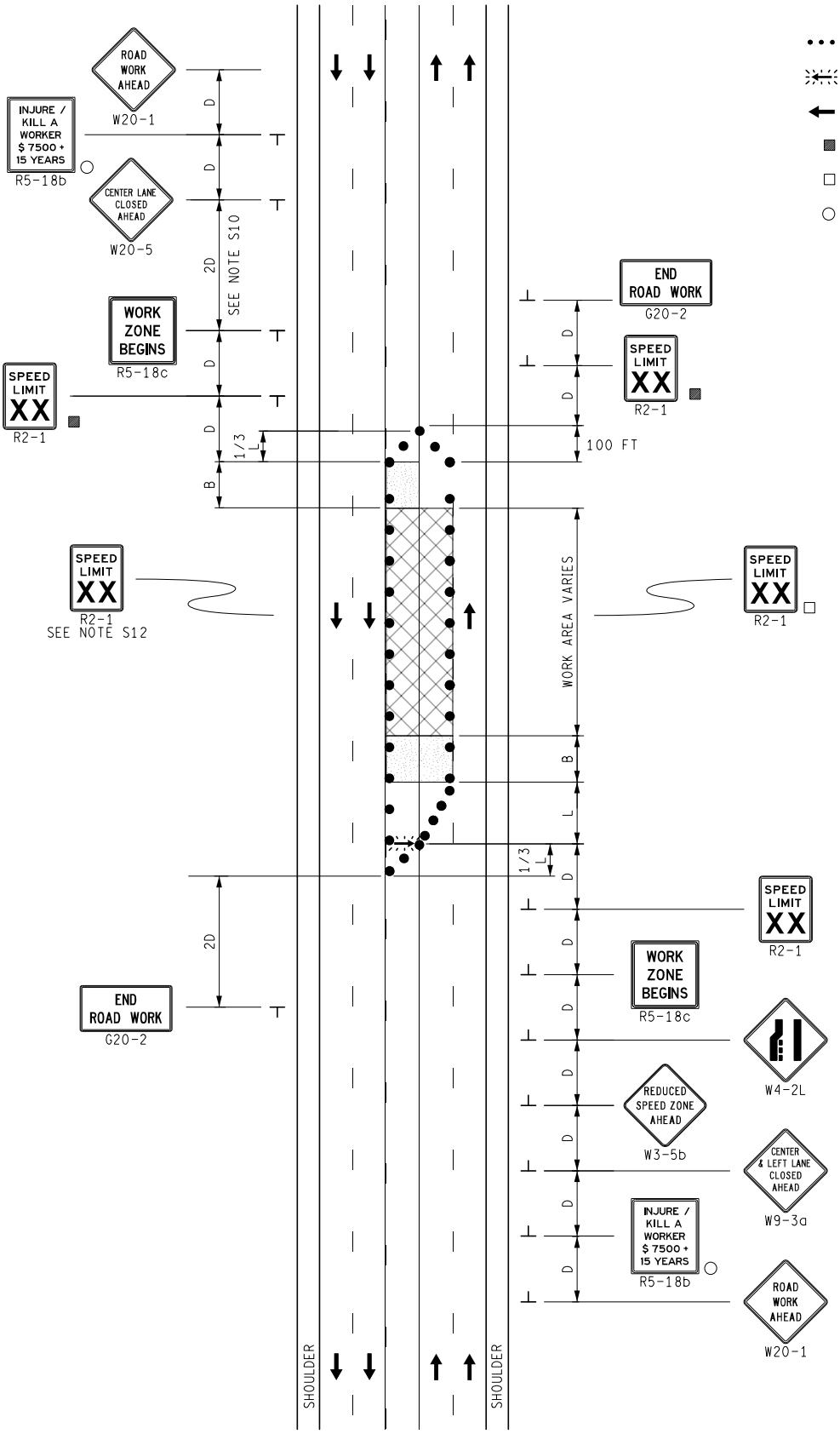
- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- PLACE SIGN AS INDICATED IN NOTE S5
- PLACE SIGN AS INDICATED IN NOTE S2

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4, G5
SIGNING: S1, S2, S3, S5, S11, S12
DEVICES: TCD1, TCD2, TCD6, TCD8

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	1 BOUND CLOSURE WITH A SINGLE LANE SHIFT ON A 5-LANE UNDIVIDED ROADWAY	DATE: JUNE 2021
		NO: 132-CLT-1(R)LC-SHIFT		SHEET: 1 OF 1
FILE: 132-CLT-1(R)LC-SHIFT.dgn				



KEY

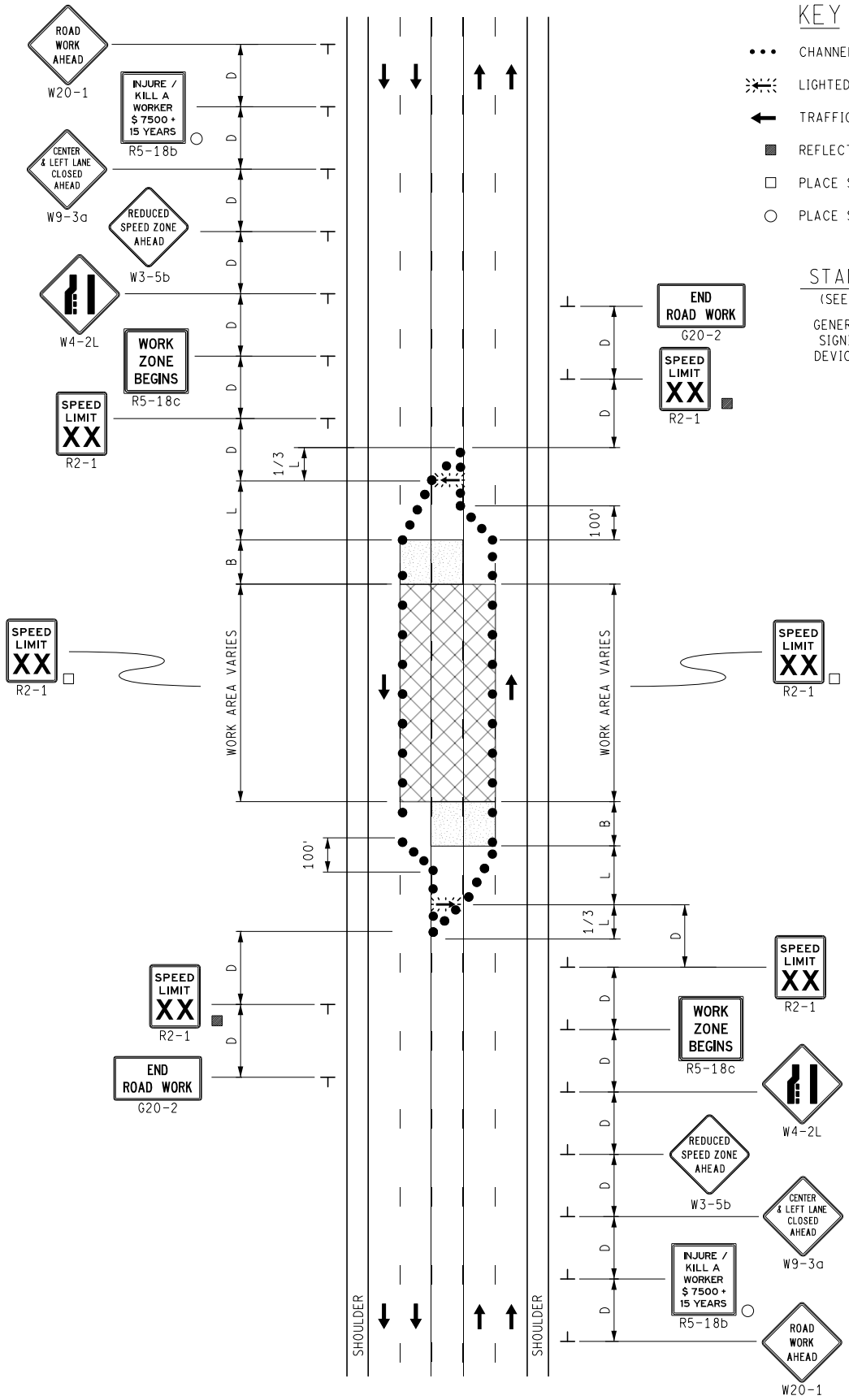
- • • • CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- ■ REFLECTS EXISTING SPEED LIMIT
- □ PLACE SIGN AS INDICATED IN NOTE S5
- ○ PLACE SIGN AS INDICATED IN NOTE S2

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S2, S3, S5, S10, S12
DEVICES: TCD1, TCD2, TCD6

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL NO: 133-CLT-1LC-(L)	LEFT AND CENTER LANE CLOSURE ON A MULTI-LANE UNDIVIDED ROADWAY	DATE: MAY 2021 SHEET: 1 OF 1
FILE: 133-CLT-1LC-(L).dgn				



KEY

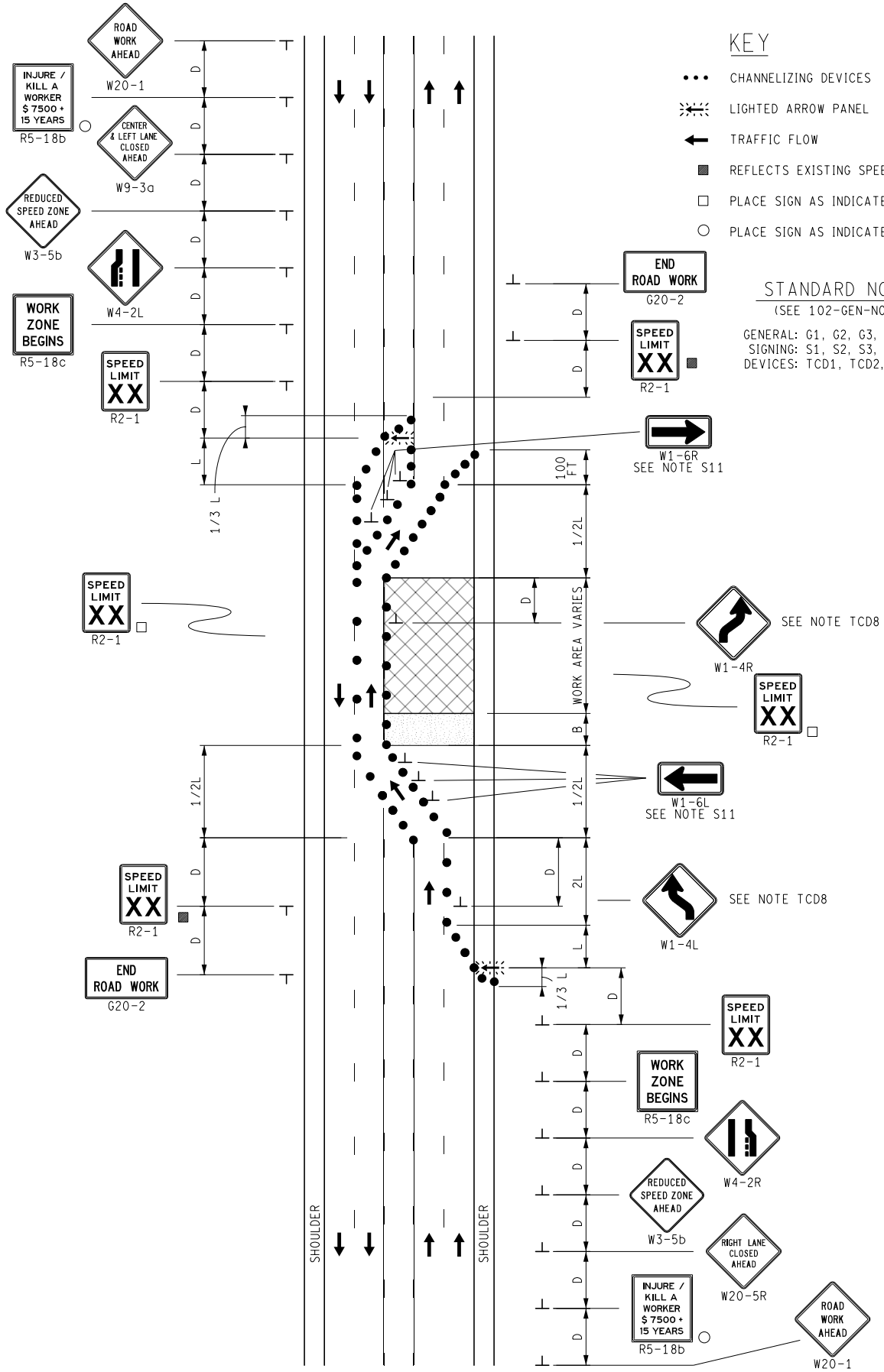
- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- PLACE SIGN AS INDICATED IN NOTE S5
- PLACE SIGN AS INDICATED IN NOTE S2

STANDARD NOTES

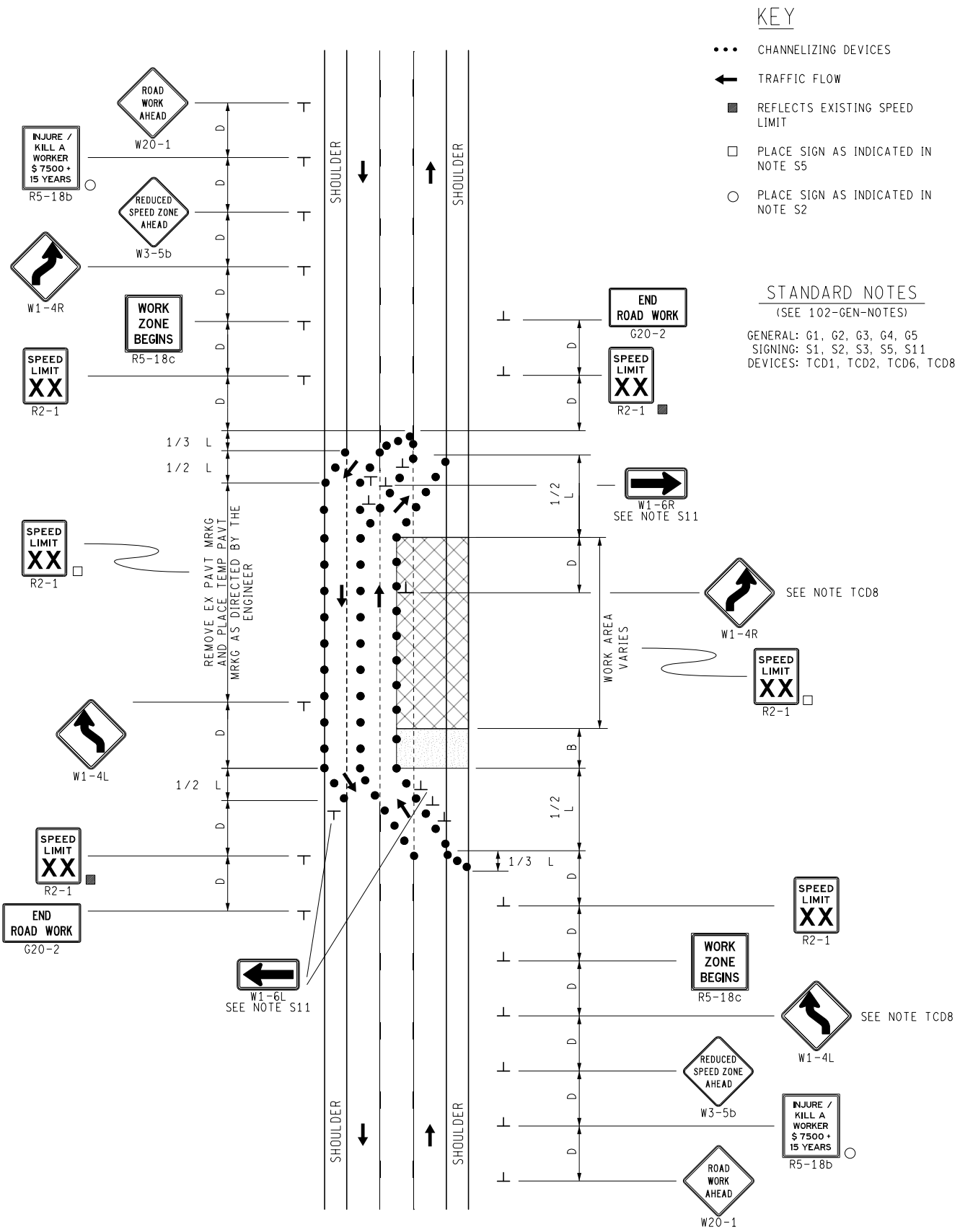
(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4, G5
SIGNING: S1, S2, S3, S5
DEVICES: TCD1, TCD2, TCD6

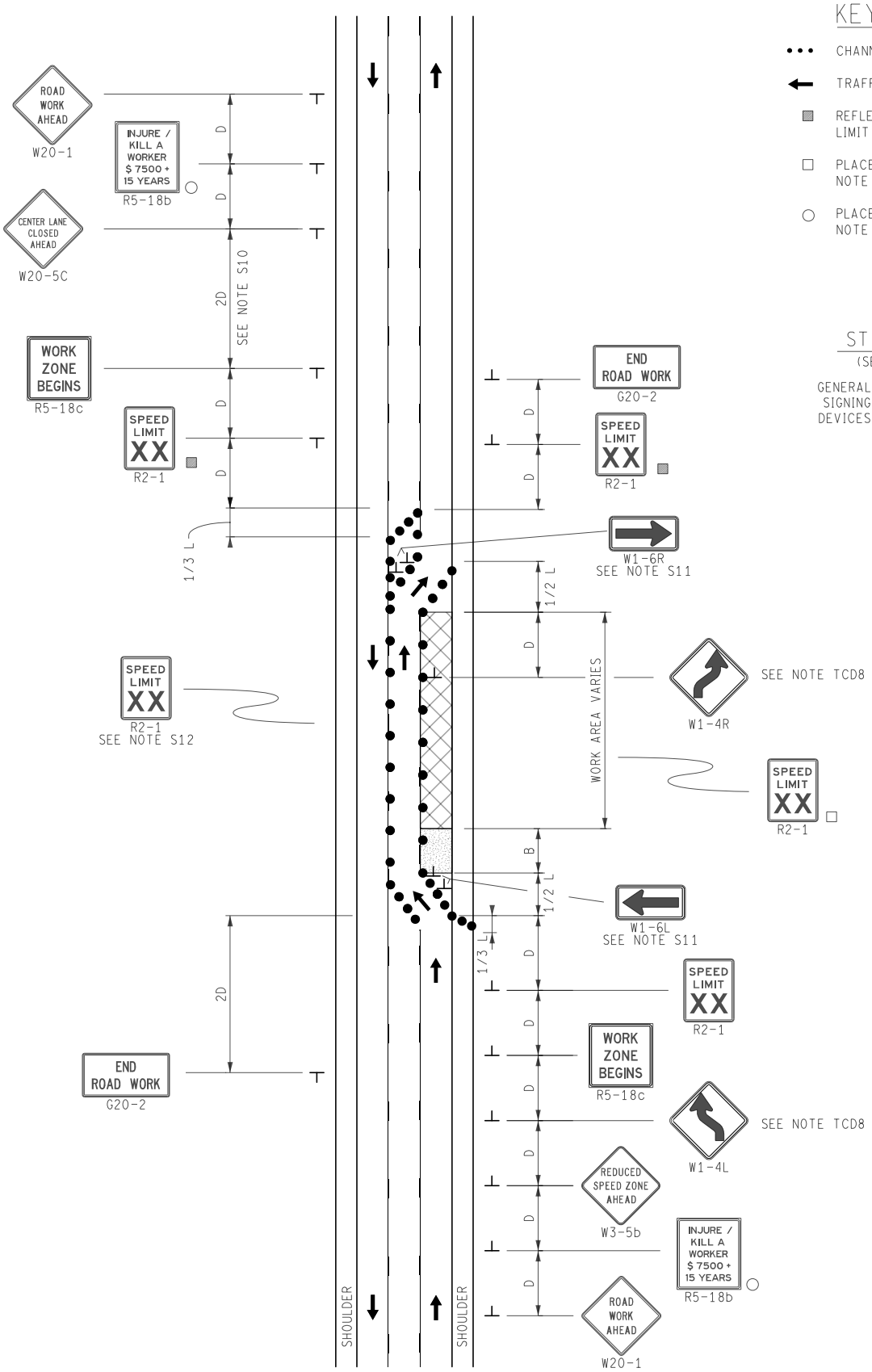
MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	LEFT LANES AND CENTER LANE CLOSURE ON A 5-LANE UNDIVIDED ROADWAY	DATE: MAY 2021
		NO: 134-CLT-2(L)LC-(IN)		SHEET: 1 OF 1
FILE: 134-CLT-2(L)LC-(IN).dgn				



MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL NO: 135-CLT-2(R+L)LC-SHIFT	1 LEFT, 1 RIGHT, AND CLT LANE CLOSURE WITH A SINGLE LANE SHIFT ON A 5-LANE UNDIVIDED ROADWAY	DATE: MAY 2021 SHEET: 1 OF 1
FILE: 135-CLT-2(R+L)LC-SHIFT.dgn				



MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL NO: 136-CLT-SHIFT-(R+L)	BOTH BOUNDS SHIFTED ON A 3-LANE UNDIVIDED ROADWAY	DATE: JUNE 2021 SHEET: 1 OF 1
FILE: 136-CLT-SHIFT-(R+L).dgn				



KEY

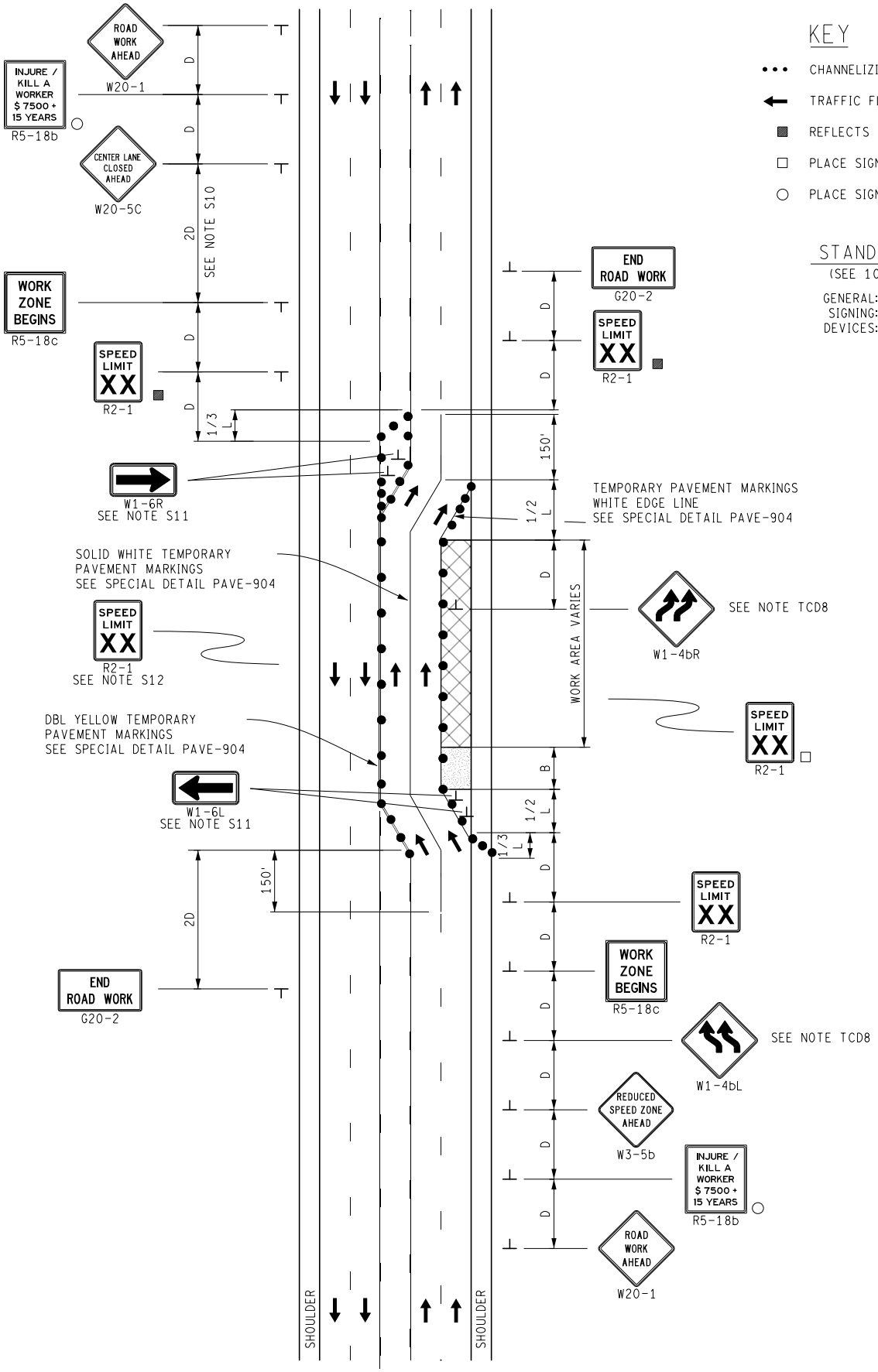
- • • • CHANNELIZING DEVICES
- ← TRAFFIC FLOW
- ▩ REFLECTS EXISTING SPEED LIMIT
- □ PLACE SIGN AS INDICATED IN NOTE S5
- ○ PLACE SIGN AS INDICATED IN NOTE S2

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4, G5
SIGNING: S1, S2, S3, S5, S10, S11, S12
DEVICES: TCD1, TCD2, TCD8

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	LANE SHIFT ON A 3-LANE UNDIVIDED ROADWAY	DATE: DECEMBER 2021
		NO: 137-CLT-SHIFT-OLC		SHEET: 1 OF 1
FILE: 137-CLT-SHIFT-OLC.dgn				



KEY

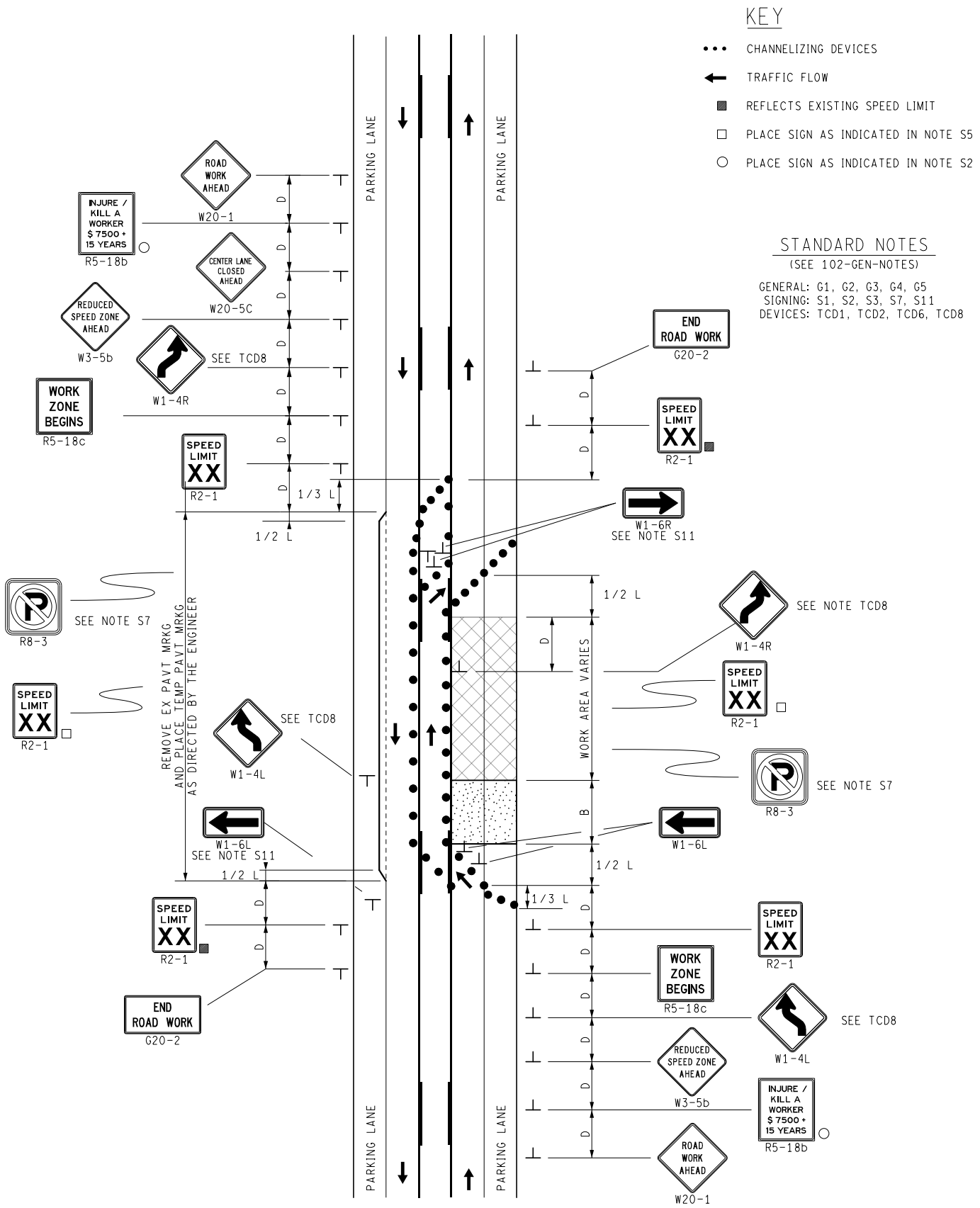
- • • • CHANNELIZING DEVICES
- ← TRAFFIC FLOW
- ▩ REFLECTS EXISTING SPEED LIMIT
- □ PLACE SIGN AS INDICATED IN NOTE S5
- ○ PLACE SIGN AS INDICATED IN NOTE S2

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4, G5
SIGNING: S1, S2, S3, S5, S11, S12
DEVICES: TCD1, TCD2, TCD8

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL NO: 138-CLT-SHIFT-2(R)	DOUBLE LANE SHIFT ON A 5-LANE UNDIVIDED ROADWAY	DATE: JUNE 2021 SHEET: 1 OF 1
FILE: 138-CLT-SHIFT-2(R).dgn				



MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL NO: 140-CLT-PARK-LANE	LANE SHIFT AND PARKING LANE CLOSURE WITH BOTH BOUNDS SHIFTED ON AN UNDIVIDED ROADWAY	DATE: JUNE 2021 SHEET: 1 OF 1
FILE: 140-CLT-PARK-LANE.dgn				

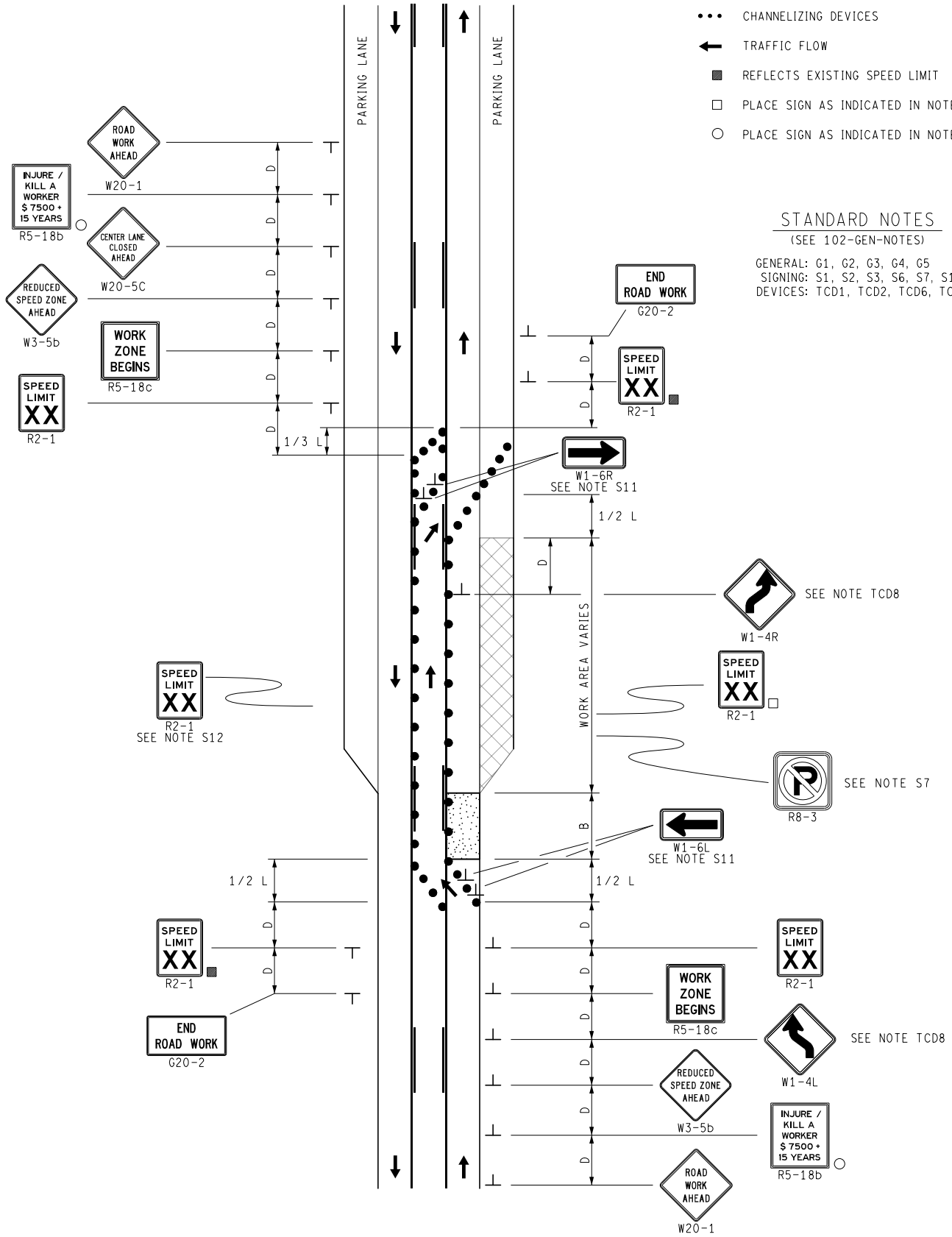
KEY

- • • • CHANNELIZING DEVICES
- ← TRAFFIC FLOW
- ▩ REFLECTS EXISTING SPEED LIMIT
- □ PLACE SIGN AS INDICATED IN NOTE S5
- ○ PLACE SIGN AS INDICATED IN NOTE S2

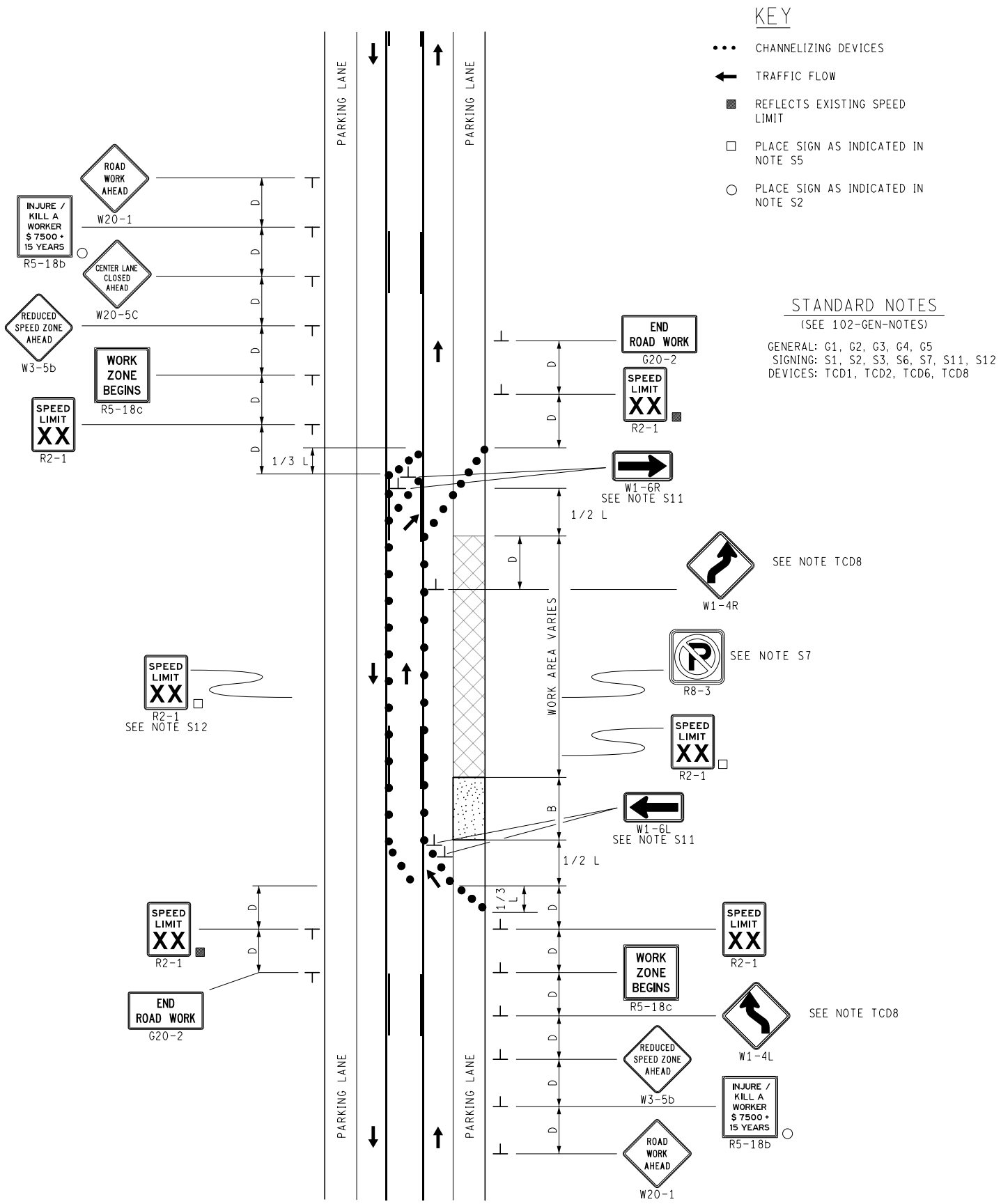
STANDARD NOTES

(SEE 102-GEN-NOTES)

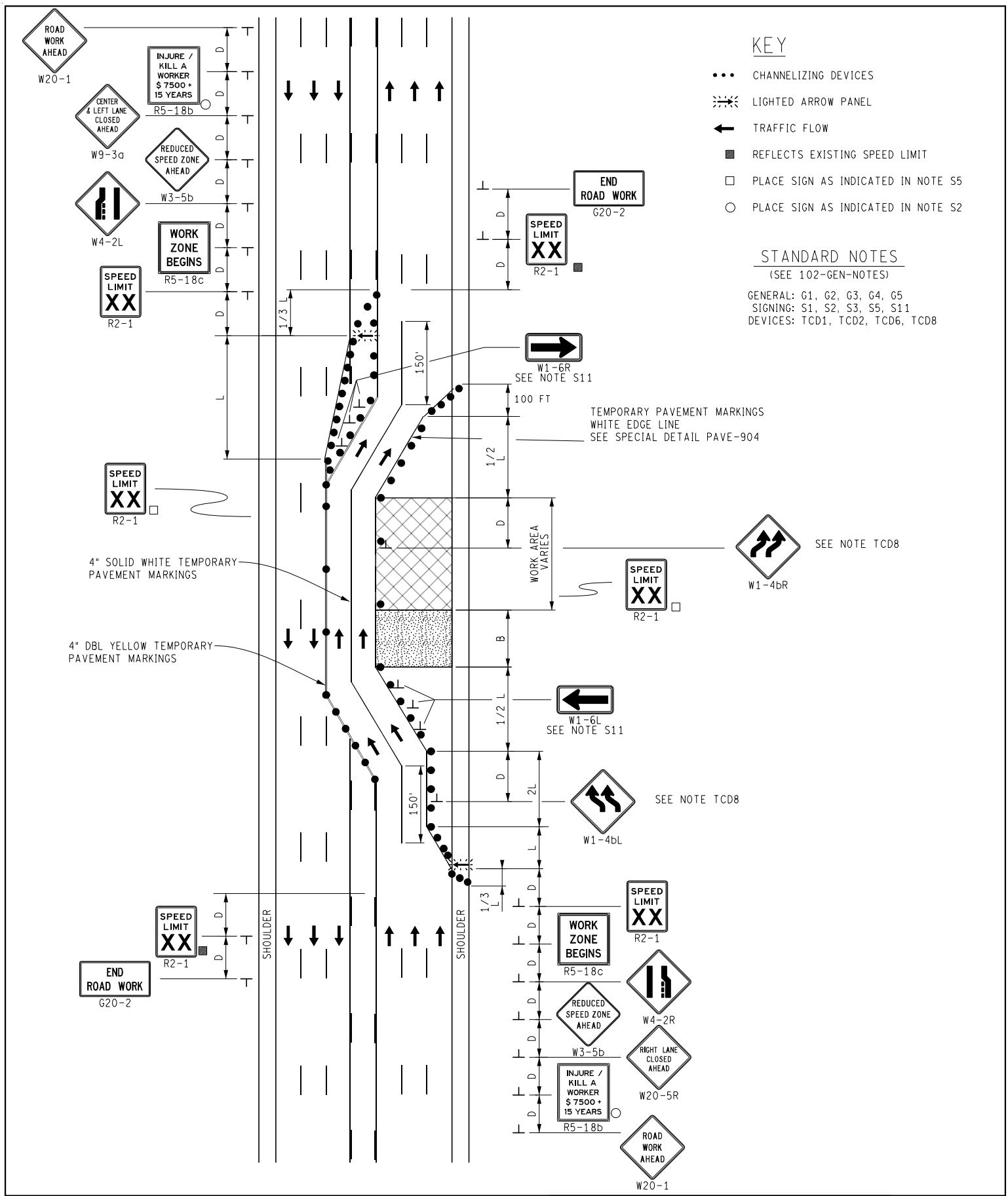
GENERAL: G1, G2, G3, G4, G5
SIGNING: S1, S2, S3, S6, S7, S11, S12
DEVICES: TCD1, TCD2, TCD6, TCD8



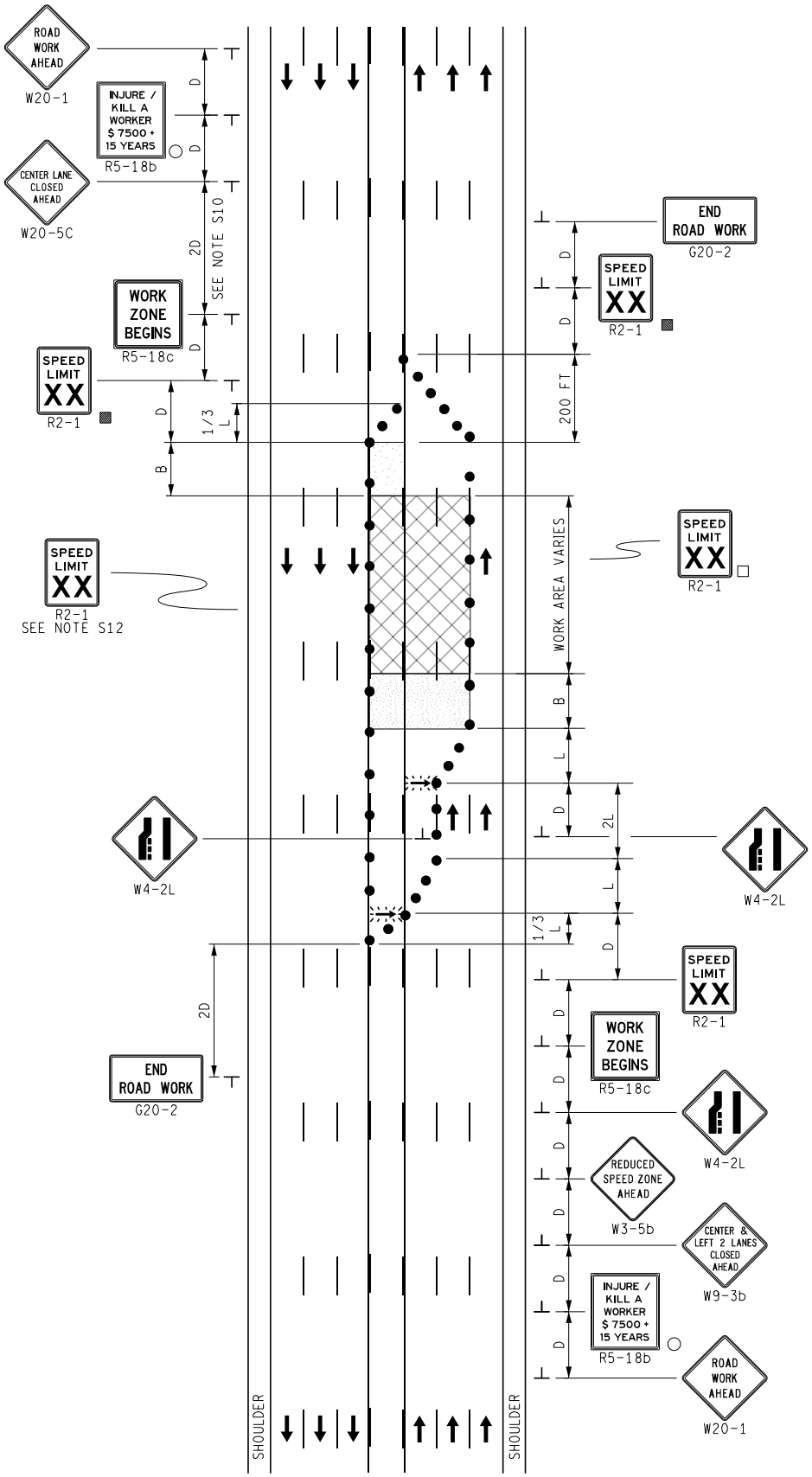
MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	PARKING LANE CLOSURE WITH ONE BOUND SHIFTED ON AN UNDIVIDED ROADWAY	DATE: MAY 2021
		NO: 141-CLT-PARK-SHIFT		SHEET: 1 OF 1
FILE: 141-CLT-PARK-SHIFT.dgn				



MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL NO: 142-CLT-PARK-SHL	PARKING LANE CLOSURE WITH ONE BOUND SHIFTED ON AN UNDIVIDED ROADWAY	DATE: MAY 2021 SHEET: 1 OF 1
FILE: 142-CLT-PARK-SHL.dgn				



MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL NO: 150-CLT(7)-2(R+L)LC-2(R)SHIFT	2 LANE CLOSURES, LEFT AND RIGHT WITH A DOUBLE LANE SHIFT ON A 7 LANE UNDIVIDED ROADWAY	DATE: JUNE 2021 SHEET: 1 OF 1
FILE: 150-CLT(7)-2(R+L)LC-2(R)SHIFT.dgn				



KEY

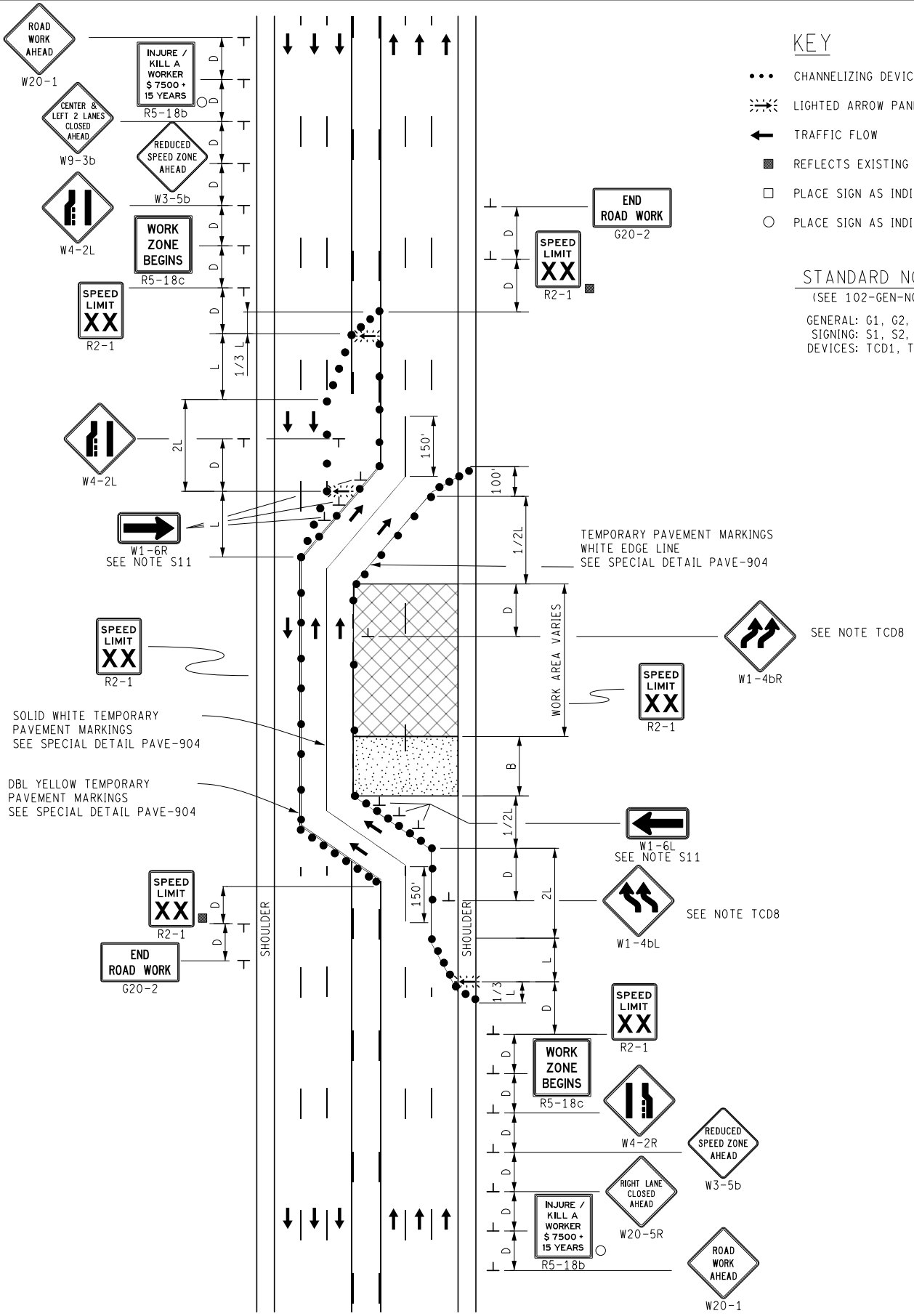
- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- PLACE SIGN AS INDICATED IN NOTE S5
- PLACE SIGN AS INDICATED IN NOTE S2

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S2, S3, S5, S10, S12
DEVICES: TCD1, TCD2, TCD6

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL NO: 151-CLT(7)-2LC-(L)	CENTER LANE AND 2 LEFT LANE CLOSURES, 1 BOUND ON A 7-LANE UNDIVIDED ROADWAY	DATE: MAY 2021 SHEET: 1 OF 1
FILE: 151-CLT(7)-2LC-(L).dgn				



KEY

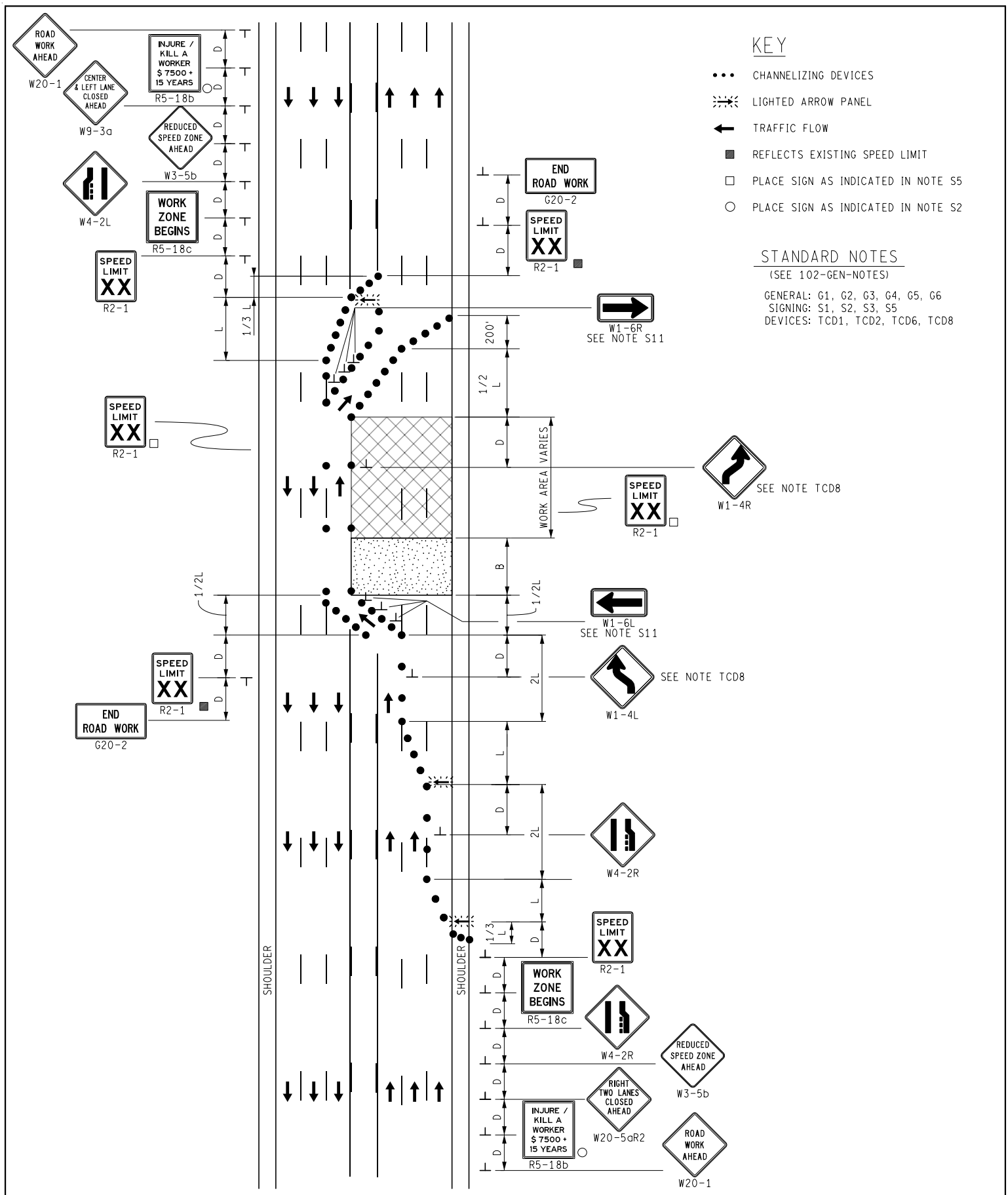
- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- PLACE SIGN AS INDICATED IN NOTE S5
- PLACE SIGN AS INDICATED IN NOTE S2

STANDARD NOTES

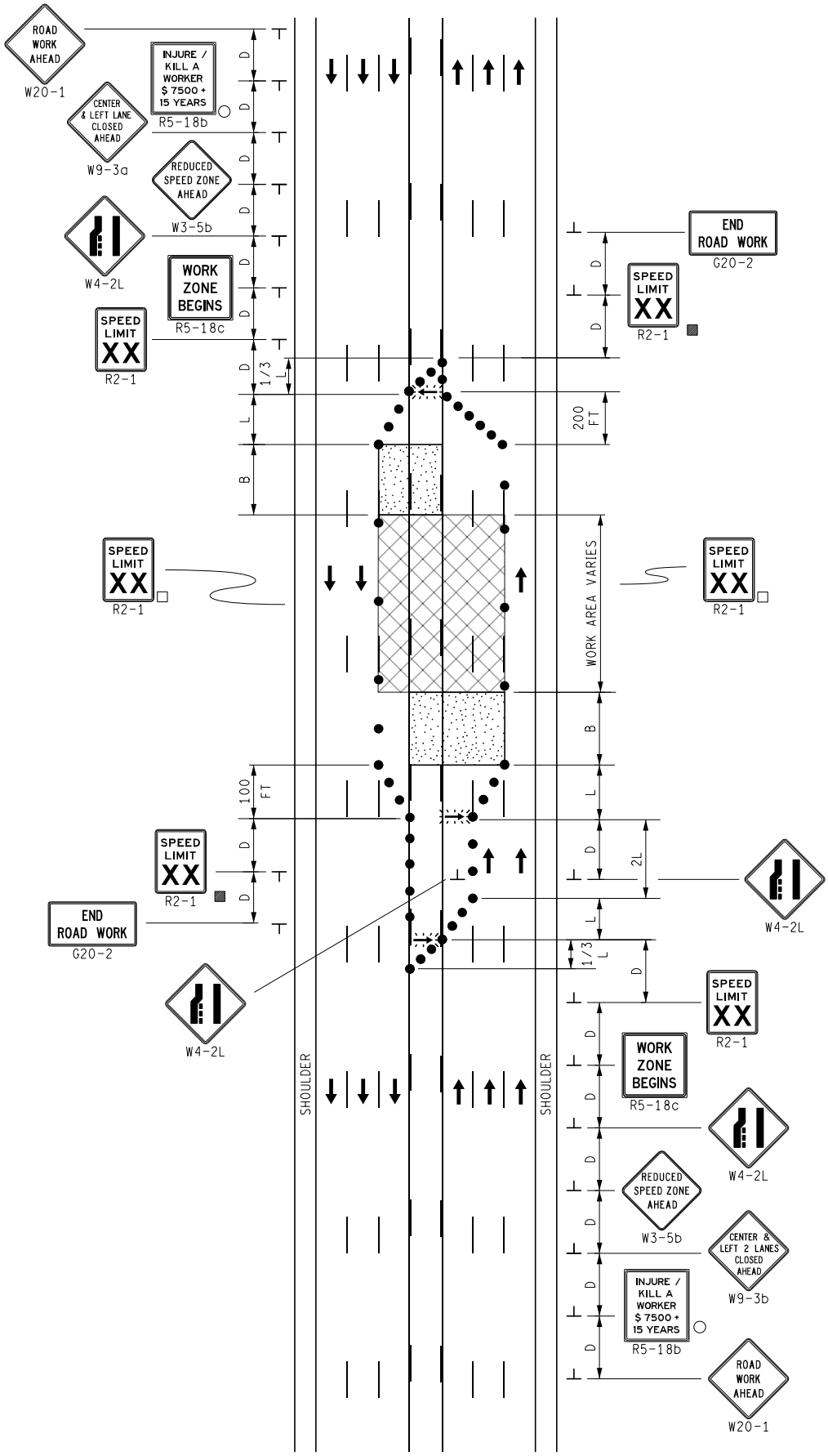
(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4, G5
SIGNING: S1, S2, S3, S5, S11
DEVICES: TCD1, TCD2, TCD6, TCD8

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	7 LANE UNDIVIDED ROADWAY 3 LANE CLOSURE, 1 RIGHT, 2 LEFT 2 LANES SHIFTED LEFT	DATE: JUNE 2021
FILE: 152-CLT(7)-3(1R+2L)LC-2(L)SHIFT.dgn		NO: 152-CLT(7)-3(1R+2L)LC-2(L)SHIFT		SHEET: 1 OF 1



MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	7 LANE UNDIVIDED ROADWAY 3 LANE CLOSURE, 2 RIGHT, 1 LEFT 1 LANE SHIFTED LEFT	DATE: JUNE 2021
		NO: 153-CLT(7)-3(2R+1L)LC-1(L)SHIFT		SHEET: 1 OF 1
FILE: 153-CLT(7)-3(2R+1L)LC-1(L)SHIFT.dgn				



KEY

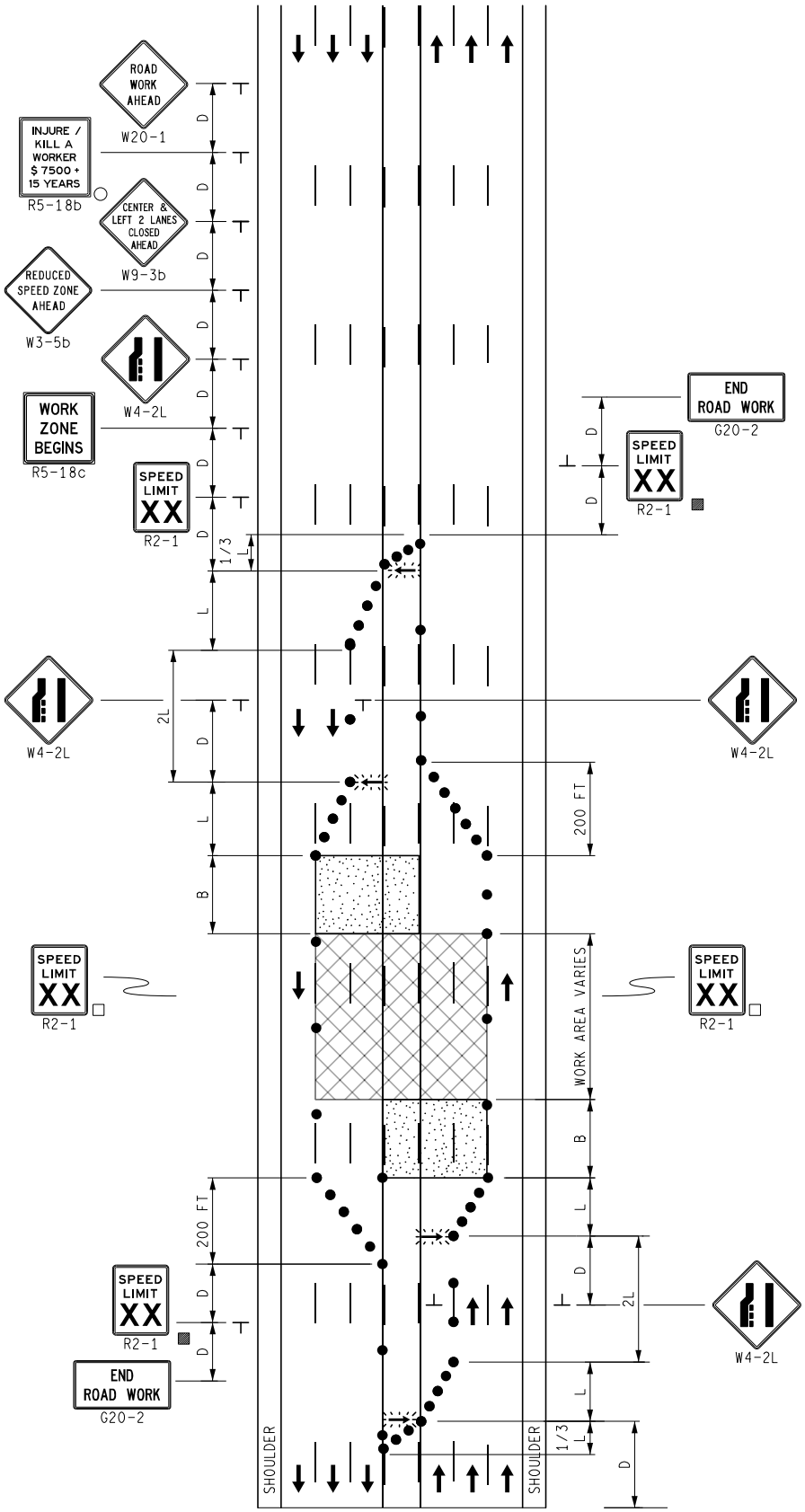
- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- PLACE SIGN AS INDICATED IN NOTE S5
- PLACE SIGN AS INDICATED IN NOTE S2

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S2, S3, S5
DEVICES: TCD1, TCD2, TCD6

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	7 LANE UNDIVIDED ROADWAY 3 LEFT LANE CLOSURES, INSIDE	DATE: MAY 2021
		NO: 154-CLT(7)-3(L)LC-(IN)		SHEET: 1 OF 1
FILE: 154-CLT(7)-3(L)LC-(IN).dgn				



A MATCH A

KEY

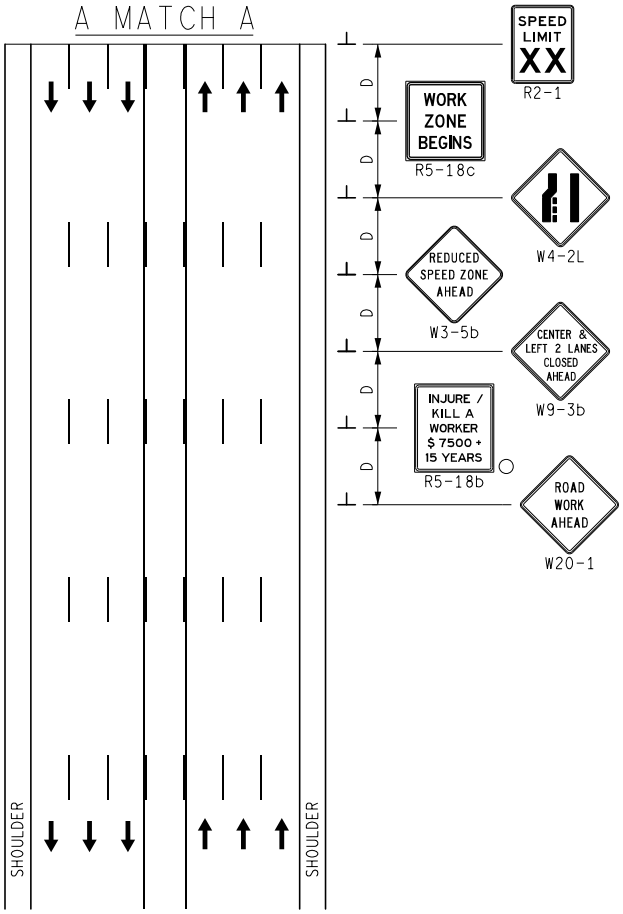
- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- PLACE SIGN AS INDICATED IN NOTE S5
- PLACE SIGN AS INDICATED IN NOTE S2

STANDARD NOTES

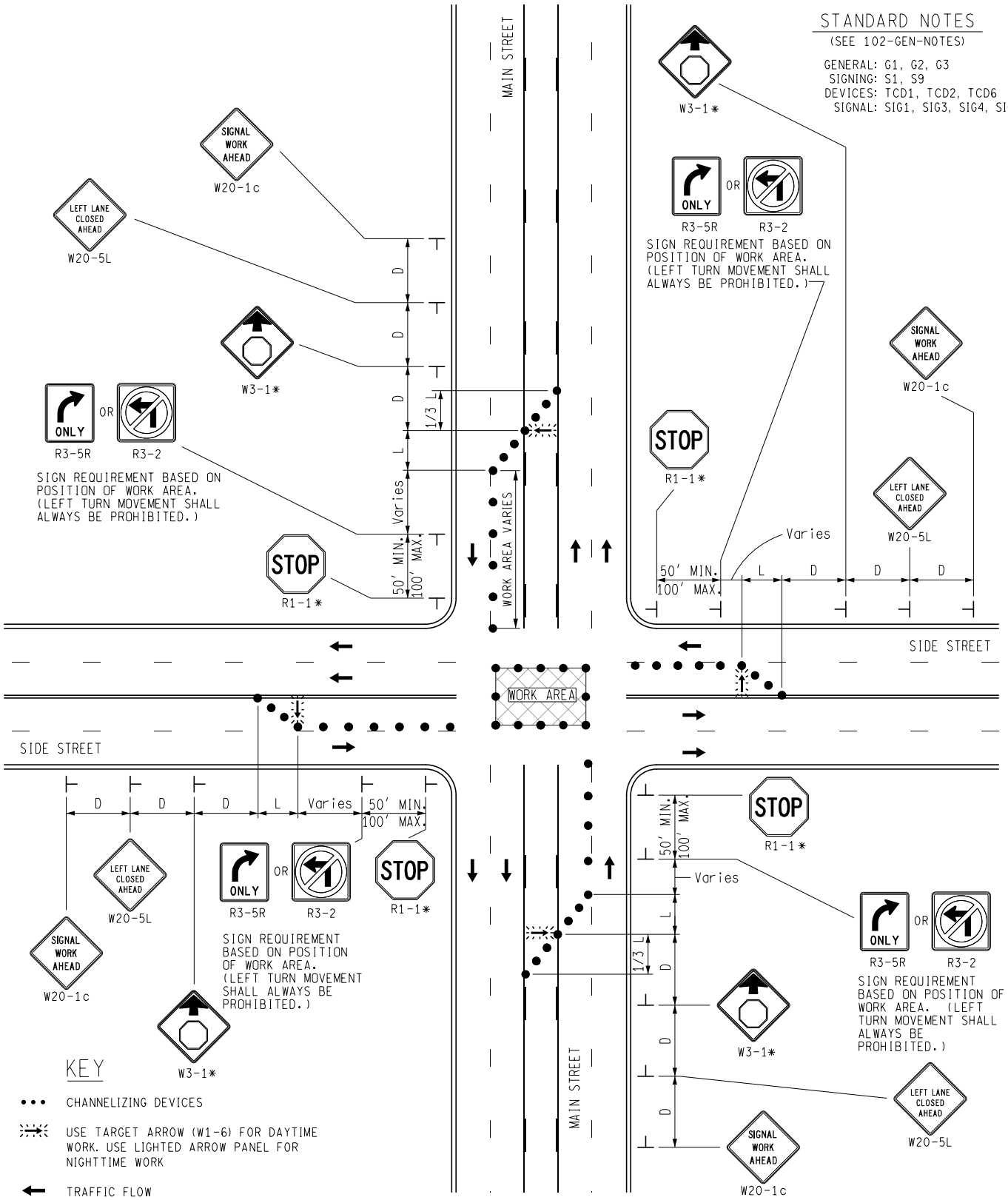
(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S2, S3, S5
DEVICES: TCD1, TCD2, TCD6

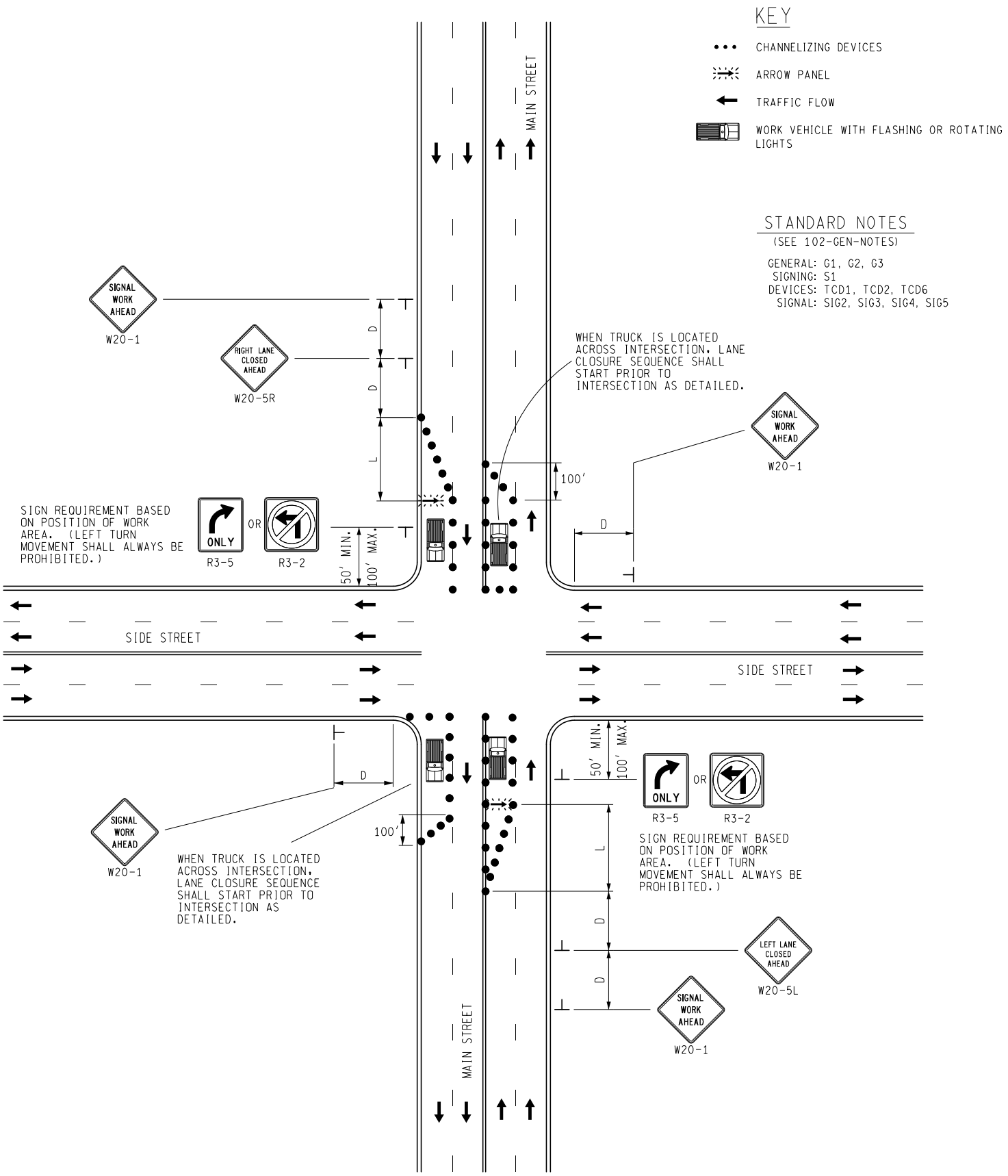
MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	7 LANE UNDIVIDED ROADWAY 4 LEFT LANE CLOSURE, INSIDE	DATE: MAY 2021
		NO: 155-CLT(7)-4(L)LC-(IN)		SHEET: 1 OF 2
FILE: 155-CLT(7)-4(L)LC-(IN).dgn				



MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	7 LANE UNDIVIDED ROADWAY 4 LEFT LANE CLOSURE, INSIDE	DATE: MAY 2021
		NO: 155-CLT(7)-4(L)LC-(IN)		SHEET: 2 OF 2
FILE: 155-CLT(7)-4(L)LC-(IN).dgn				



MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	SIGNAL WORK AT INTERSECTION LONGER THAN 1 HOUR ON A 5-LANE UNDIVIDED ROADWAY	DATE: MAY 2021
		NO: 160-INT-LD-CLT-MID		SHEET: 1 OF 1
FILE: 160-INT-LD-CLT-MID.dgn				



MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	SIGNAL WORK AT INTERSECTION LONGER THAN 1 HOUR ON A 4-LANE UNDIVIDED ROADWAY	DATE: MAY 2021
		NO: 161-INT-LD-LANE		SHEET: 1 OF 1
FILE: 161-INT-LD-LANE.dgn				

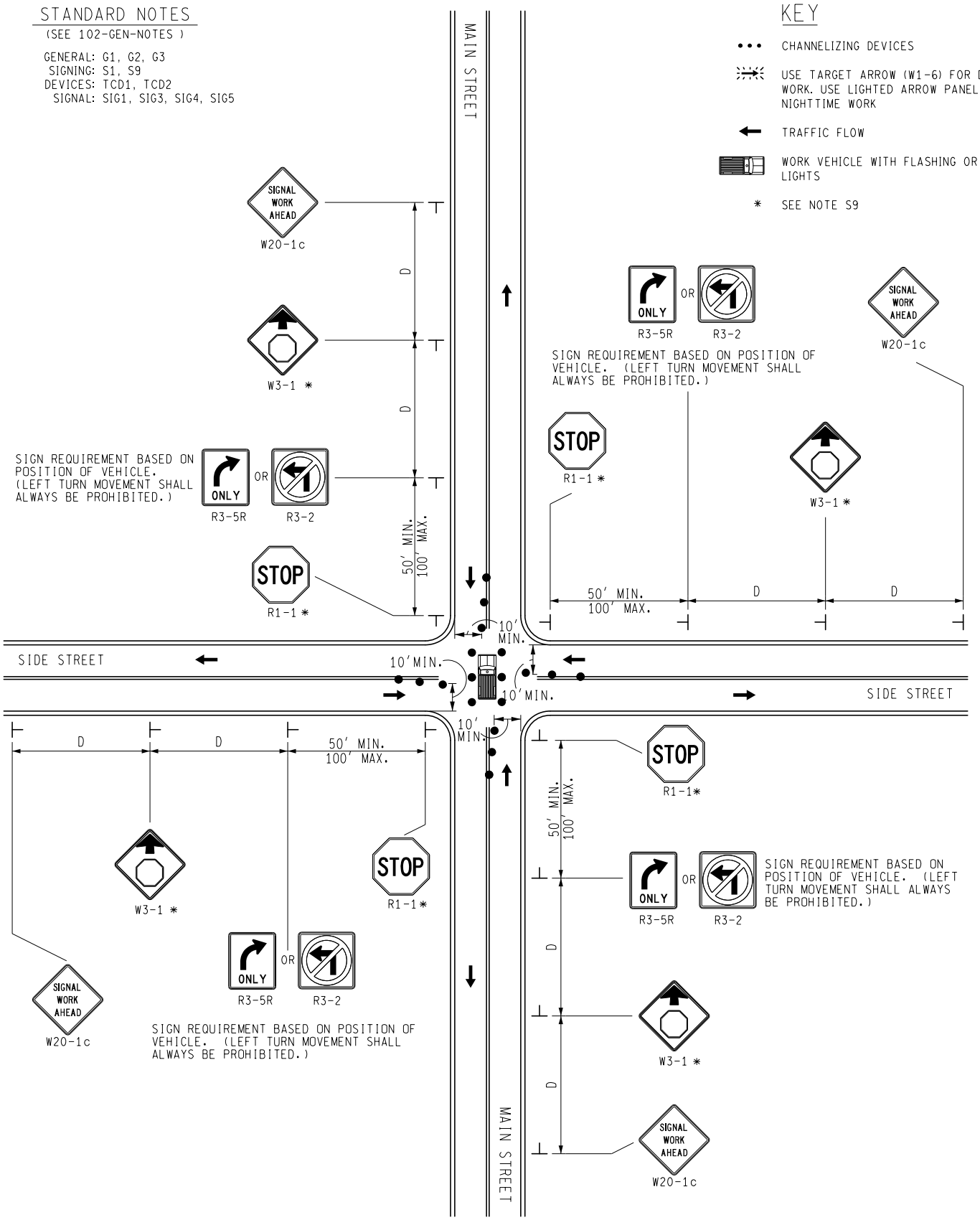
STANDARD NOTES

(SEE 102-GEN-NOTES)

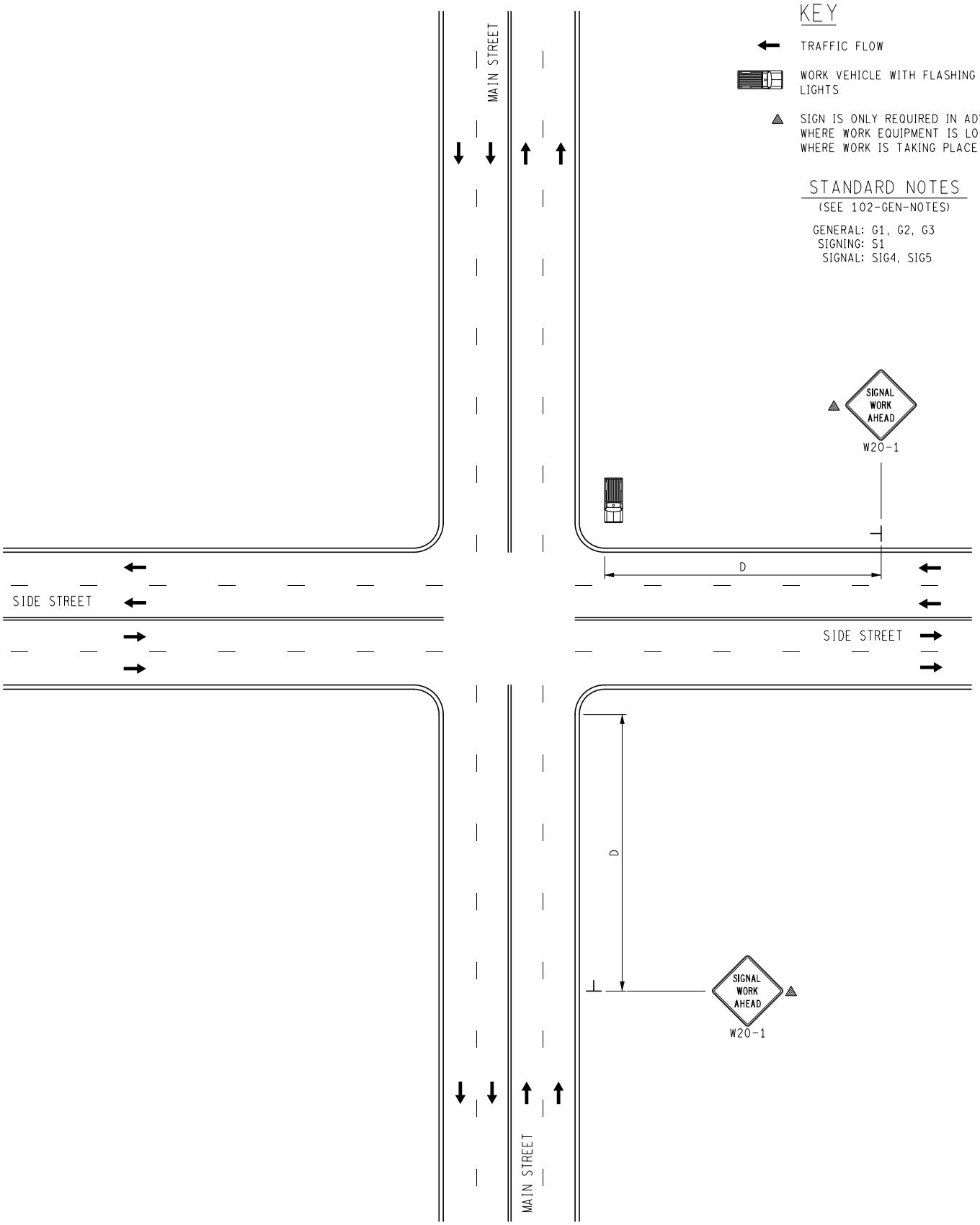
GENERAL: G1, G2, G3
SIGNING: S1, S9
DEVICES: TCD1, TCD2
SIGNAL: SIG1, SIG3, SIG4, SIG5

KEY

- CHANNELIZING DEVICES
- USE TARGET ARROW (W1-6) FOR DAYTIME WORK. USE LIGHTED ARROW PANEL FOR NIGHTTIME WORK
- TRAFFIC FLOW
- WORK VEHICLE WITH FLASHING OR ROTATING LIGHTS
- * SEE NOTE S9



MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	SIGNAL WORK AT INTERSECTION LONGER THAN 1 HOUR ON A 2-LANE UNDIVIDED ROADWAY MIDDLE OF INTERSECTION	DATE: MAY 2021
		NO: 162-INT-LD-MID		SHEET: 1 OF 1
FILE: 162-INT-LD-MID.dgn				



KEY

TRAFFIC FLOW

WORK VEHICLE WITH FLASHING OR ROTATING LIGHTS

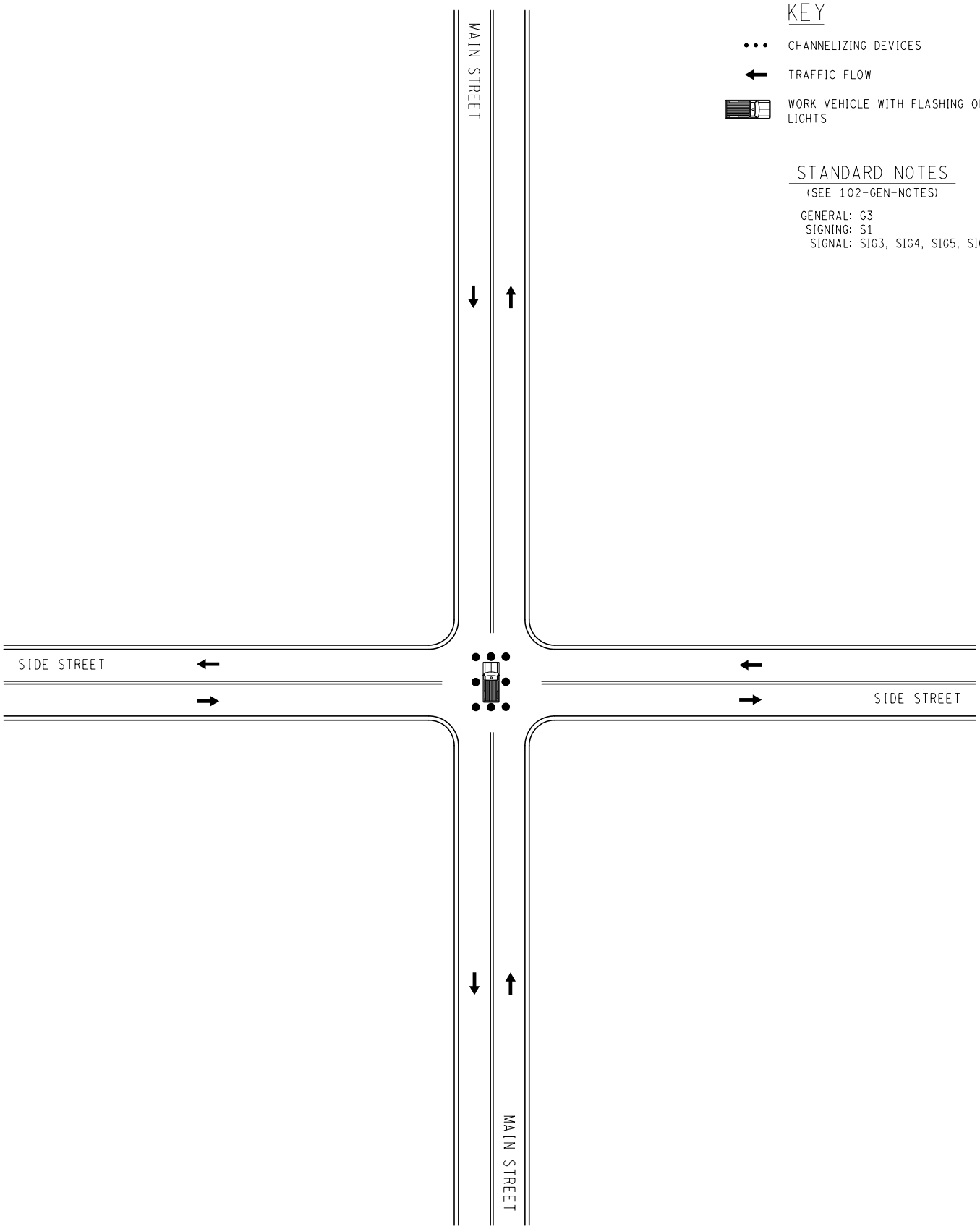
SIGN IS ONLY REQUIRED IN ADVANCE OF WHERE WORK EQUIPMENT IS LOCATED OR WHERE WORK IS TAKING PLACE

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3
SIGNING: S1
SIGNAL: SIG4, SIG5

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	SIGNAL WORK AT INTERSECTION OUTSIDE ROADWAY LONGER THAN 1 HOUR ON A 4-LANE UNDIVIDED ROADWAY	DATE: MAY 2021
		NO: 163-INT-LD-OUT		SHEET: 1 OF 1
FILE: 163-INT-LD-OUT.dgn				



KEY

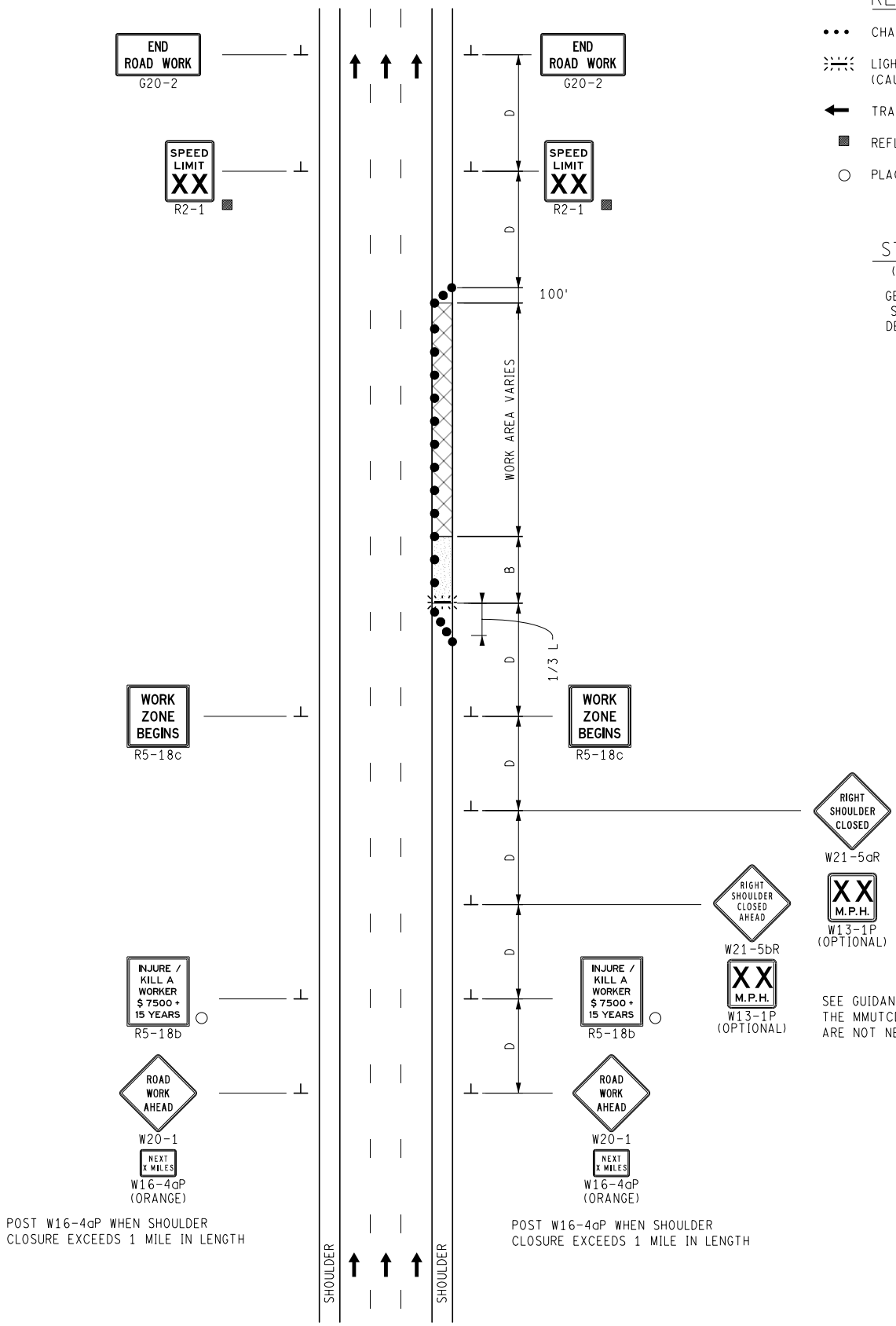
- • • • CHANNELIZING DEVICES
- ← TRAFFIC FLOW
- WORK VEHICLE WITH FLASHING OR ROTATING LIGHTS

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G3
SIGNING: S1
SIGNAL: SIG3, SIG4, SIG5, SIG6

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	SIGNAL WORK AT INTERSECTION LESS THAN 1 HOUR ON A 2-LANE UNDIVIDED ROADWAY MIDDLE OF INTERSECTION	DATE: MAY 2021
		NO: 164-INT-SD-MID		SHEET: 1 OF 1
FILE: 164-INT-SD-MID.dgn				



KEY

- • • • CHANNELIZING DEVICES
- LIGHTED ARROW PANEL (CAUTION MODE)
- TRAFFIC FLOW
- ■ REFLECTS EXISTING SPEED LIMIT
- ○ PLACE SIGN AS INDICATED IN NOTE S2.

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S3, S5
DEVICES: TCD1, TCD2, TCD6

SEE GUIDANCE NOTE 03 IN SECTION 6G.07 OF THE MMUTCD FOR WHY THE SIGNS ON THE LEFT ARE NOT NEEDED

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL NO: 200-FW-SHL-(R)	SHOULDER CLOSURE ON A FREEWAY OR DIVIDED ROADWAY RIGHT SHOULDER	DATE: MAY 2021 SHEET: 1 OF 1
FILE: 200-FW-SHL-(R).dgn				

KEY

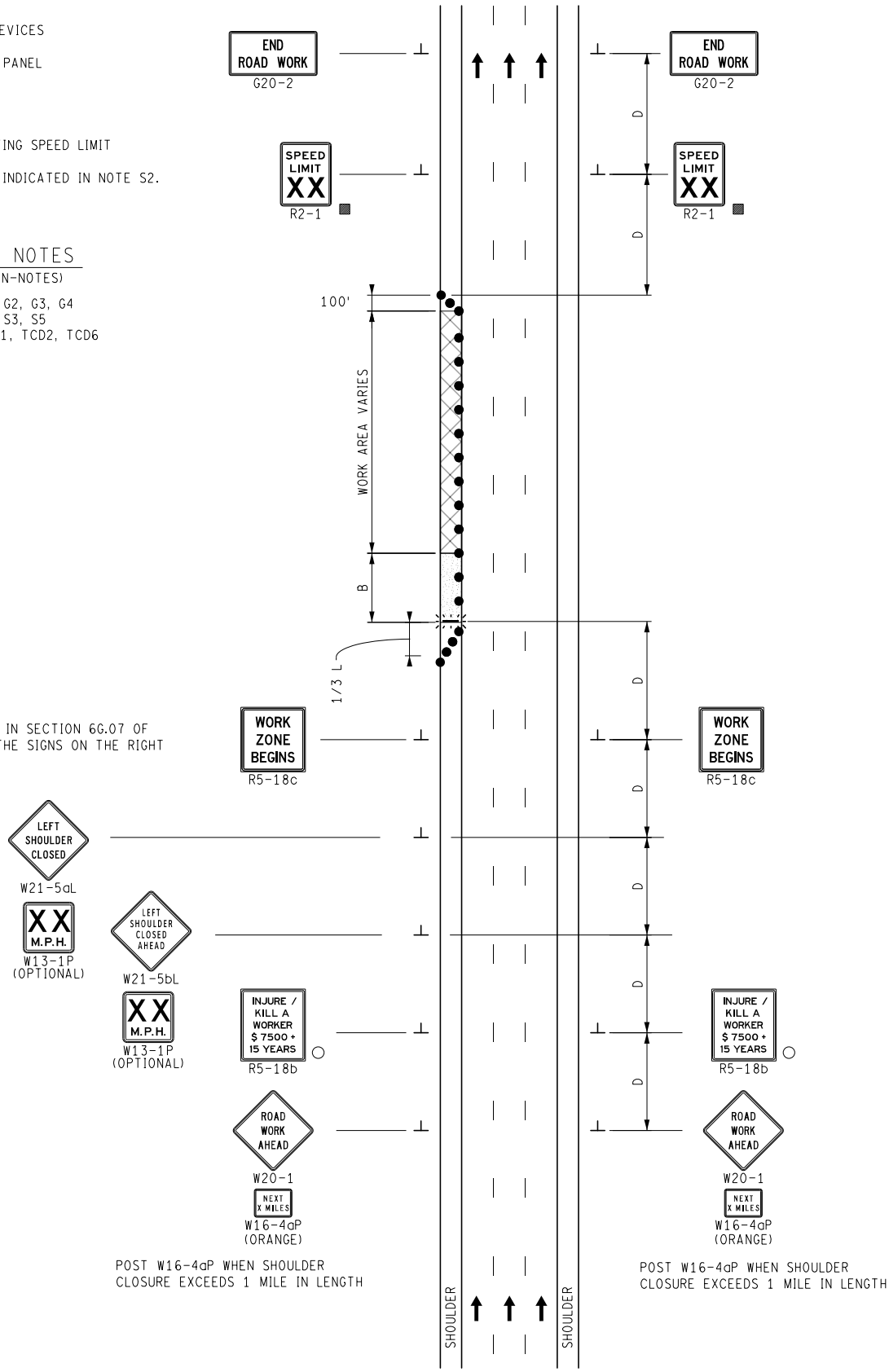
- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL (CAUTION MODE)
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- PLACE SIGN AS INDICATED IN NOTE S2.

STANDARD NOTES

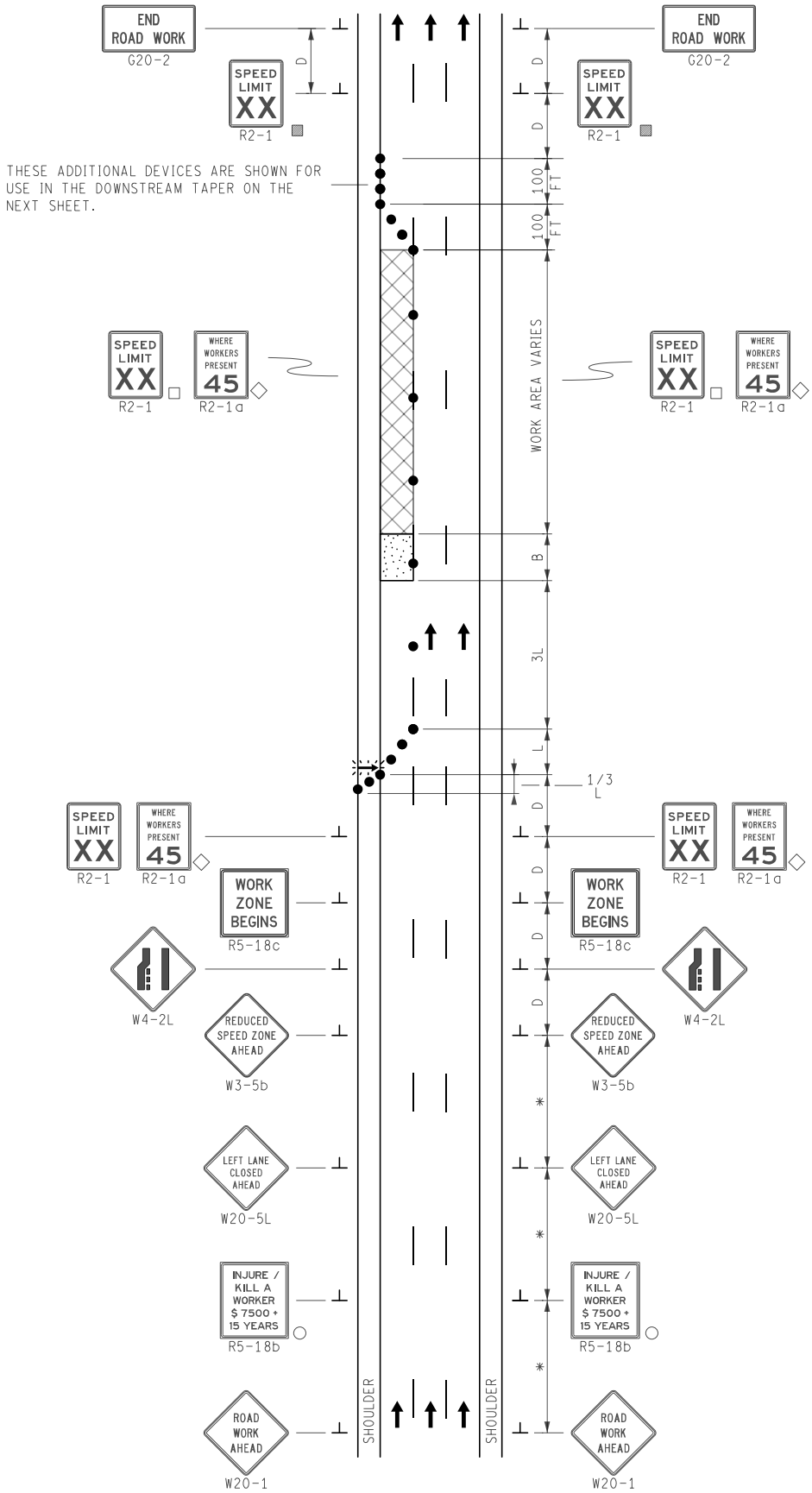
(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S3, S5
DEVICES: TCD1, TCD2, TCD6

SEE GUIDANCE NOTE 03 IN SECTION 6G.07 OF THE MMUTCD FOR WHY THE SIGNS ON THE RIGHT ARE NOT NEEDED



MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL NO: 201-FW-SHL-(L)	SHOULDER CLOSURE ON A FREEWAY OR DIVIDED ROADWAY LEFT SHOULDER	DATE: MAY 2021 SHEET: 1 OF 1
FILE: 201-FW-SHL-(L).dgn				



KEY

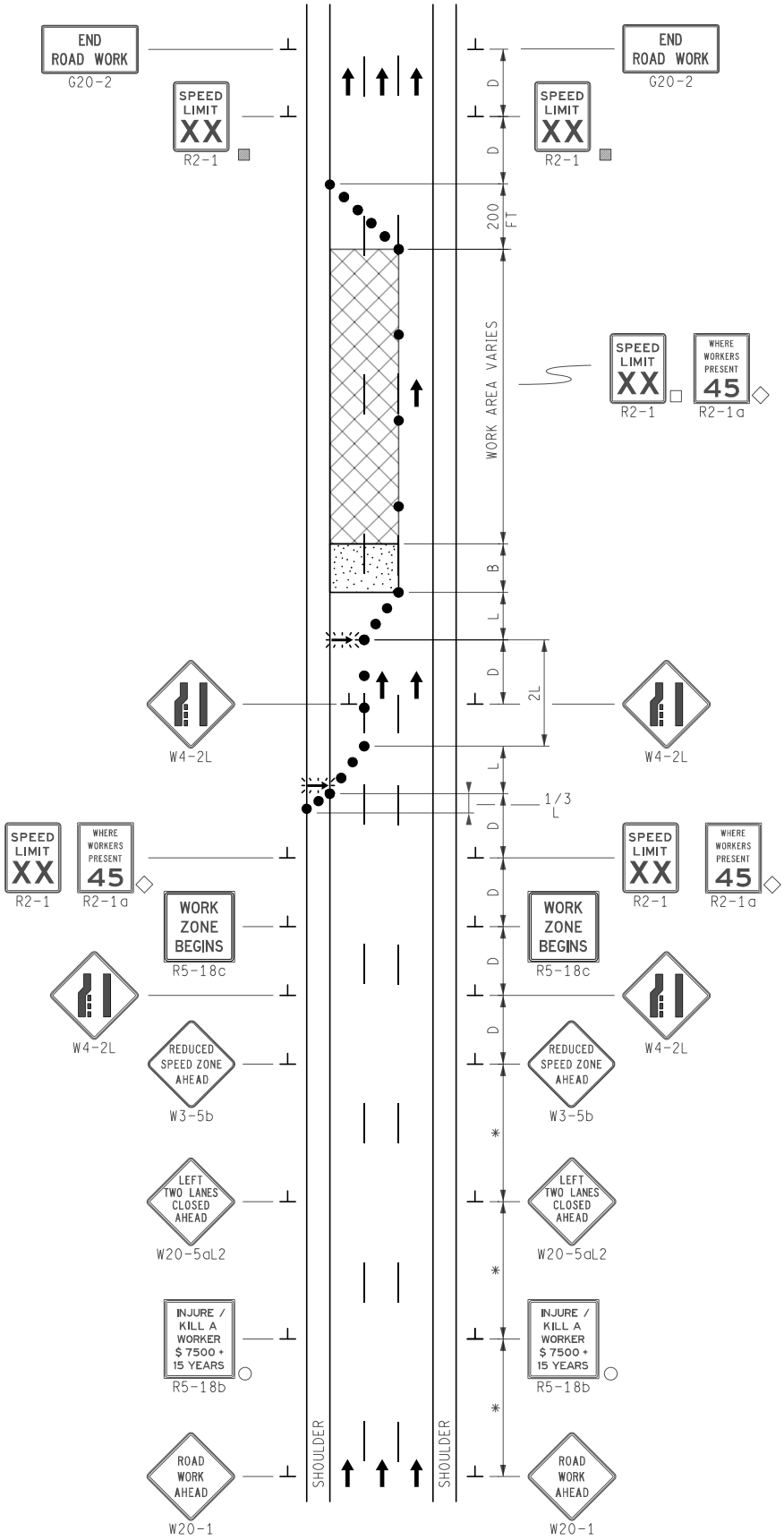
- • • • CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- ▩ REFLECTS EXISTING SPEED LIMIT
- □ PLACE SIGN AS INDICATED IN NOTE S5
- ○ PLACE SIGN AS INDICATED IN NOTE S2
- ◇ R2-1a OPTIONAL
- * PLACE SIGNS AT A SPACING OF D ON DIVIDED ROADWAYS AND 2D ON FREEWAYS

STANDARD NOTES

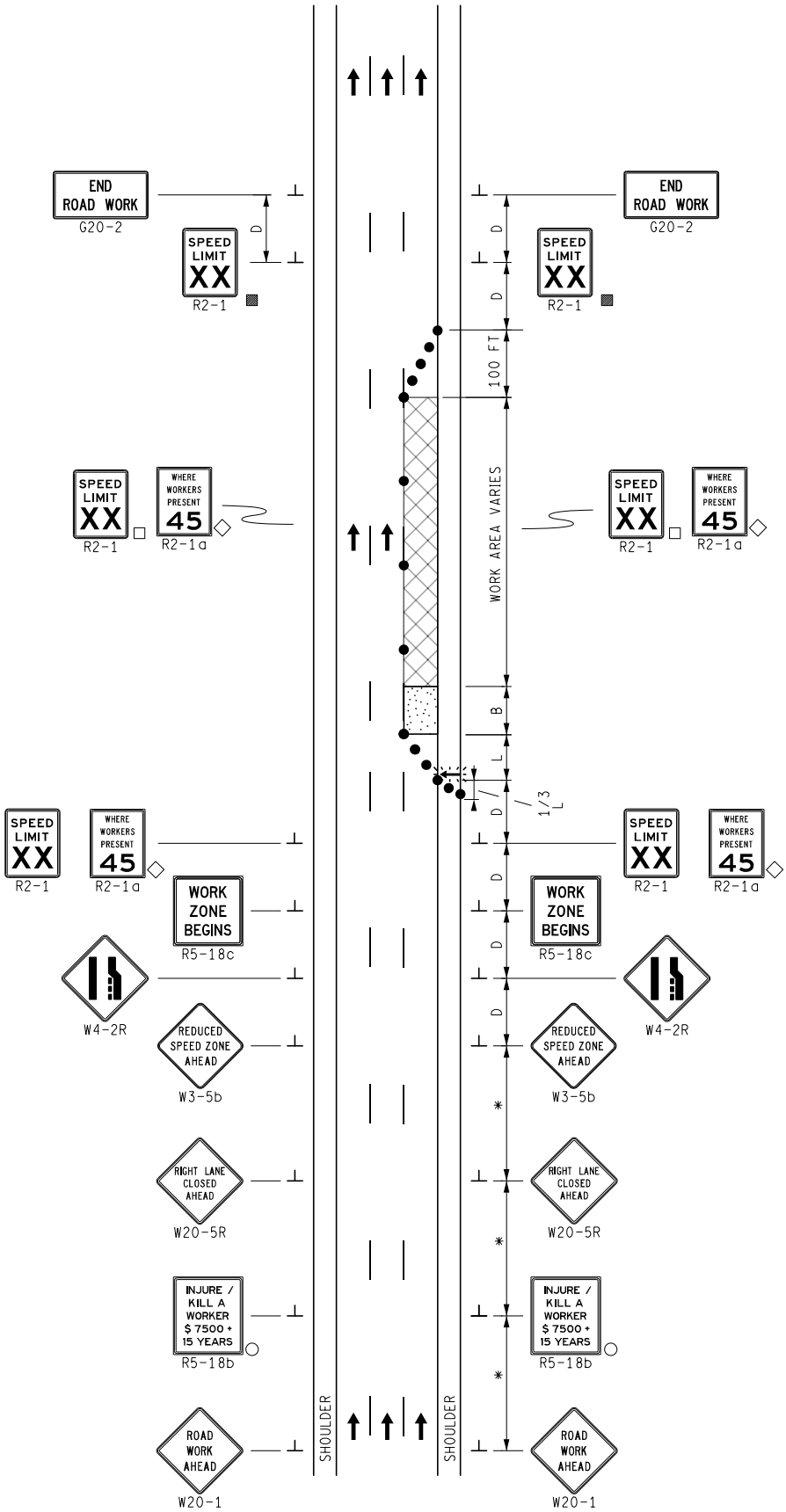
(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S2, S3, S5, S8
DEVICES: TCD1, TCD2, TCD6

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL NO: 202-FW-(1-2)LC-(L)	1-LANE TO 2-LANE CLOSURE ON A 3-LANE FREEWAY OR DIVIDED ROADWAY	DATE: DECEMBER 2021 SHEET: 1 OF 2
FILE: 202-FW-(1-2)LC-(L).dgn				



MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL NO: 202-FW-(1-2)LC-(L)	1-LANE TO 2-LANE CLOSURE ON A 3-LANE FREEWAY OR DIVIDED ROADWAY	DATE: DECEMBER 2021 SHEET: 2 OF 2
FILE: 202-FW-(1-2)LC-(L).dgn				



KEY

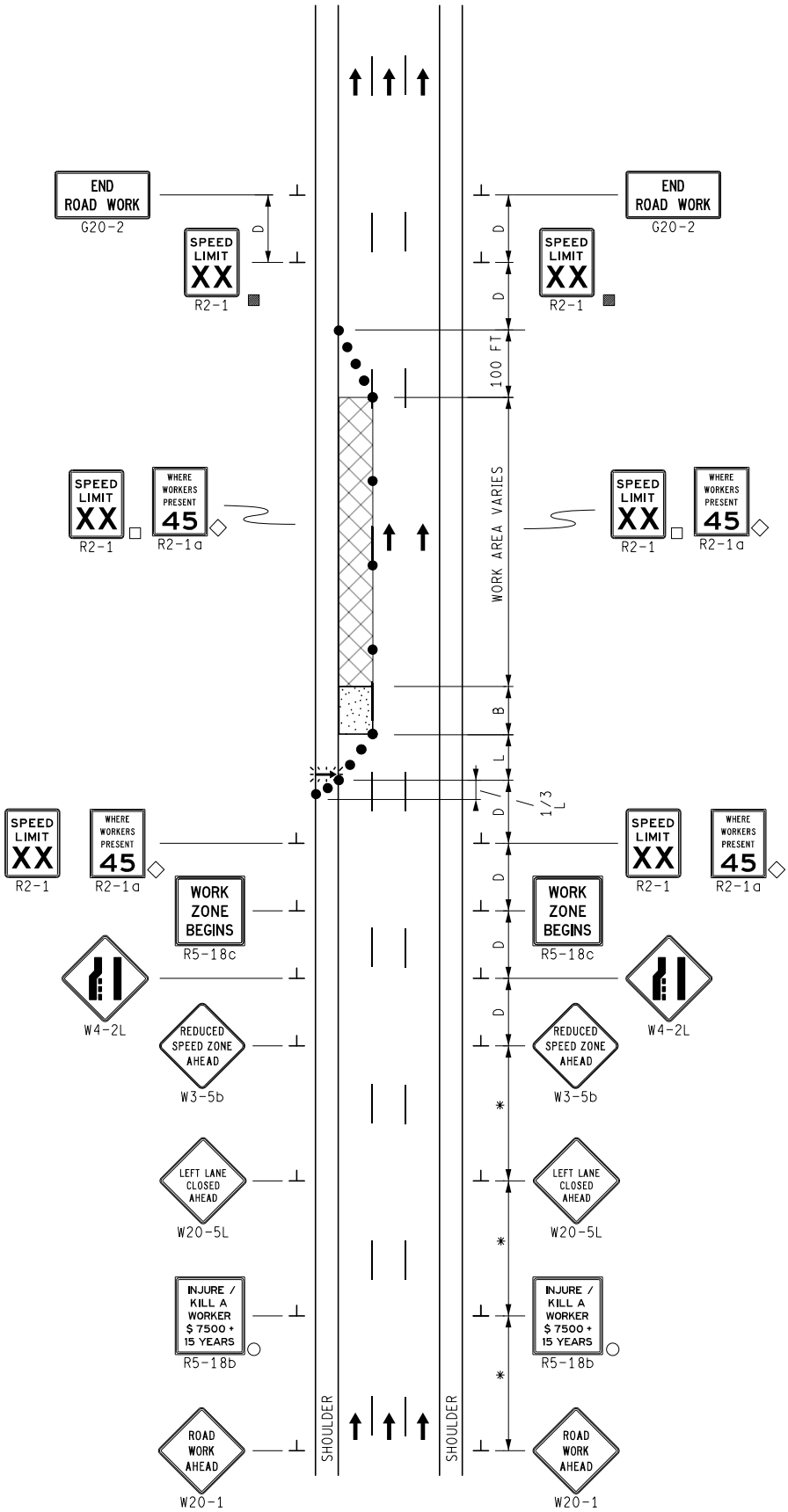
- • • • CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- ■ REFLECTS EXISTING SPEED LIMIT
- □ PLACE SIGN AS INDICATED IN NOTE S5
- ○ PLACE SIGN AS INDICATED IN NOTE S2
- ◇ R2-1a OPTIONAL
- ✳ PLACE SIGN AT A SPACING OF D ON DIVIDED ROADWAYS AND 2D ON FREEWAYS

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S2, S3, S5, S8
DEVICES: TCD1, TCD2, TCD6

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	SINGLE RIGHT LANE CLOSURE ON A FREEWAY OR DIVIDED ROADWAY	DATE: MAY 2021
		NO: 203-FW-1LC-(R)		SHEET: 1 OF 1
FILE: 203-FW-1LC-(R).dgn				



KEY

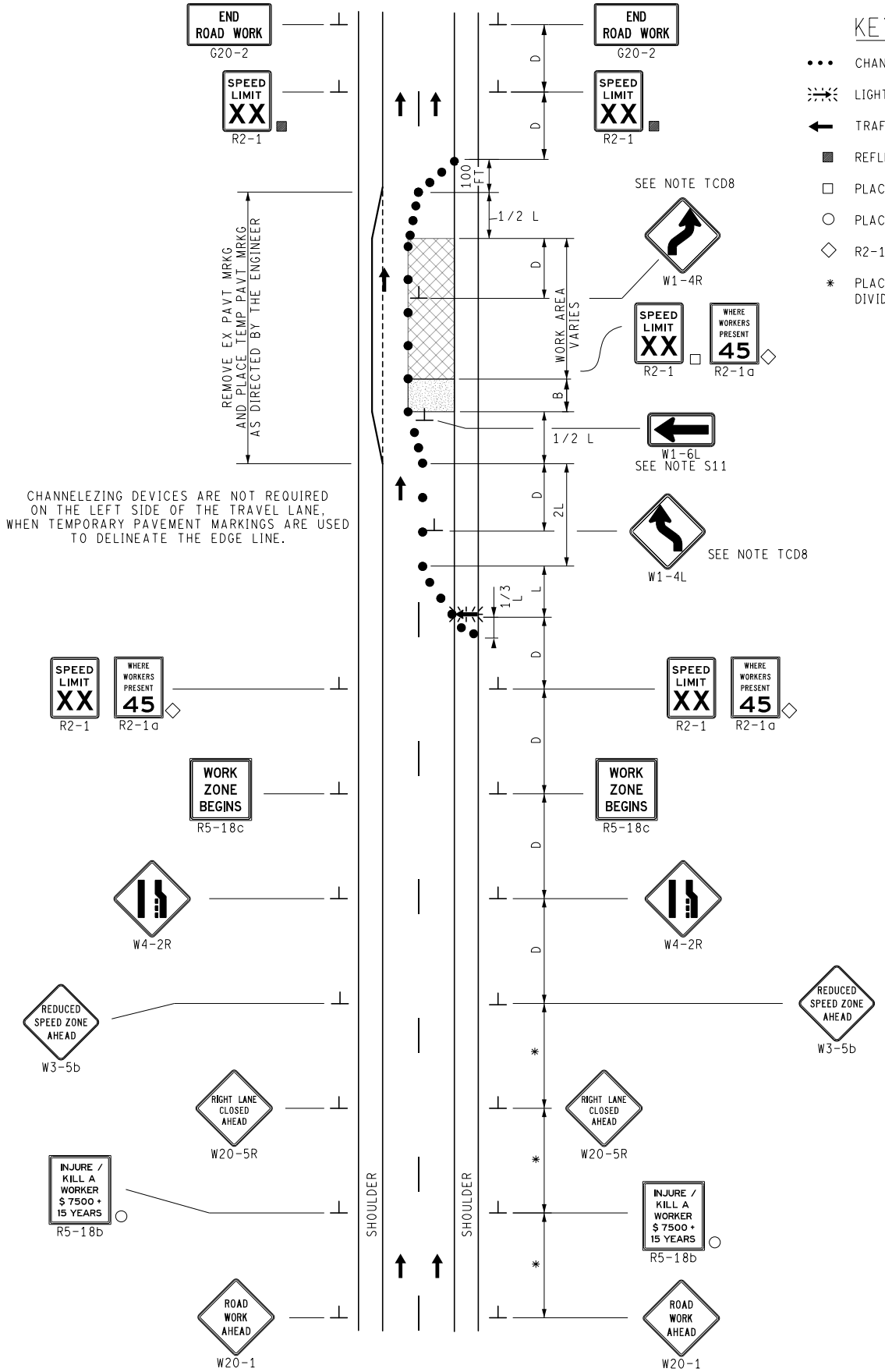
- • • • CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- ■ REFLECTS EXISTING SPEED LIMIT
- ○ PLACE SIGN AS INDICATED IN NOTE S2
- ◇ R2-1a OPTIONAL
- ✱ PLACE SIGN AT A SPACING OF D ON DIVIDED ROADWAYS AND 2D ON FREEWAYS

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S2, S3, S5, S8
DEVICES: TCD1, TCD2, TCD6

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	SINGLE LEFT LANE CLOSURE ON A FREEWAY OR DIVIDED ROADWAY	DATE: MAY 2021
		NO: 204-FW-1LC-(L)		SHEET: 1 OF 1
FILE: 204-FW-1LC-(L).dgn				



CHANNELEZING DEVICES ARE NOT REQUIRED ON THE LEFT SIDE OF THE TRAVEL LANE, WHEN TEMPORARY PAVEMENT MARKINGS ARE USED TO DELINEATE THE EDGE LINE.

KEY

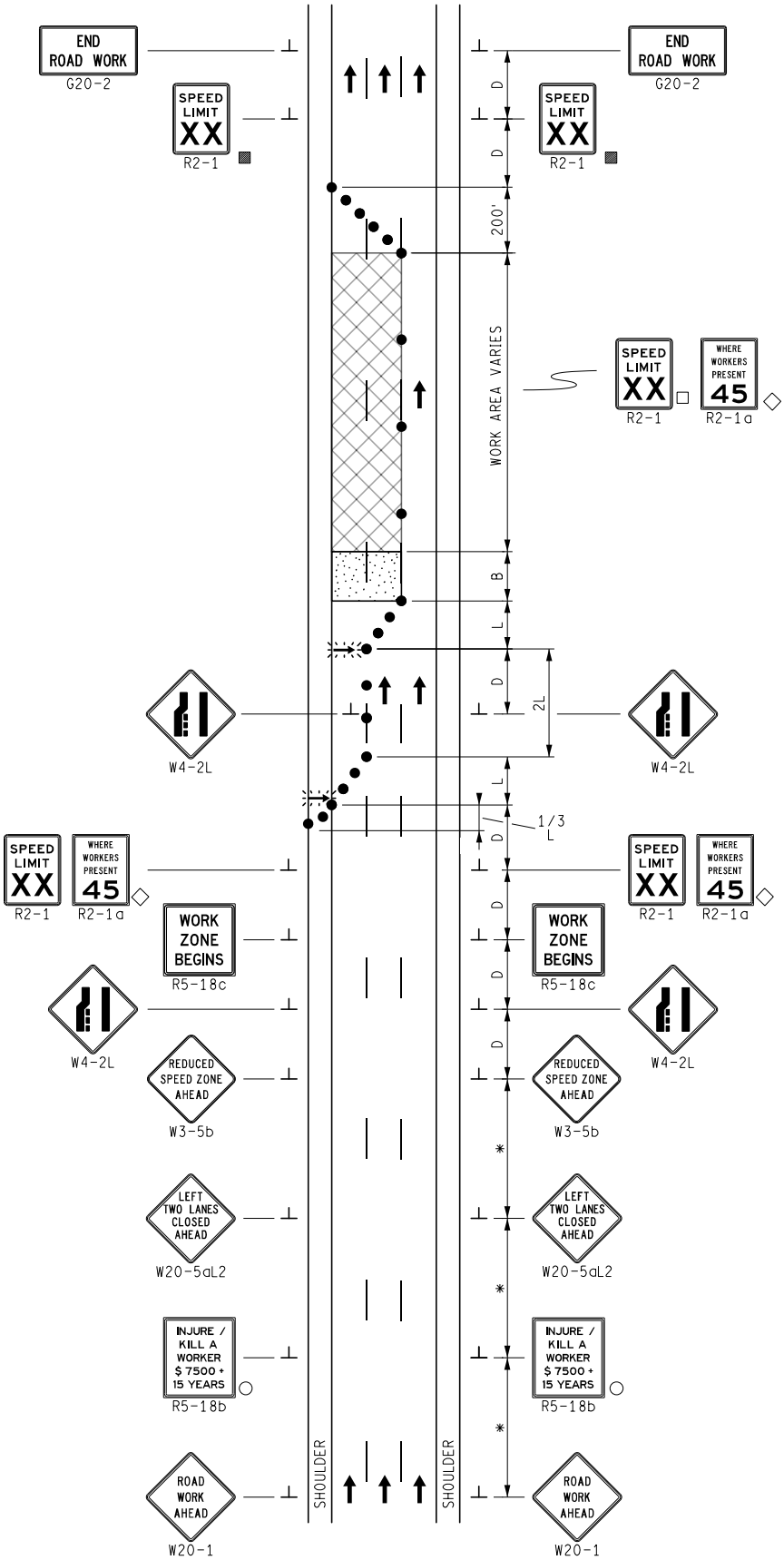
- • • • CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- ■ REFLECTS EXISTING SPEED LIMIT
- □ PLACE SIGN AS INDICATED IN NOTE S5
- ○ PLACE SIGN AS INDICATED IN NOTE S2
- ◇ R2-1a OPTIONAL
- * PLACE SIGNS AT A SPACING OF D ON DIVIDED ROADWAYS AND 2D ON FREEWAYS

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G5
SIGNING: S1, S2, S3, S5, S8, S11
DEVICES: TCD1, TCD2, TCD6, TCD8

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	SINGLE LANE CLOSURE WITH SHIFT ON A FREEWAY OR DIVIDED ROADWAY	DATE: MAY 2021
		NO: 205-FW-1LC-(R)-SHIFT		SHEET: 1 OF 1
FILE: 205-FW-1LC-(R)-SHIFT.dgn				



KEY

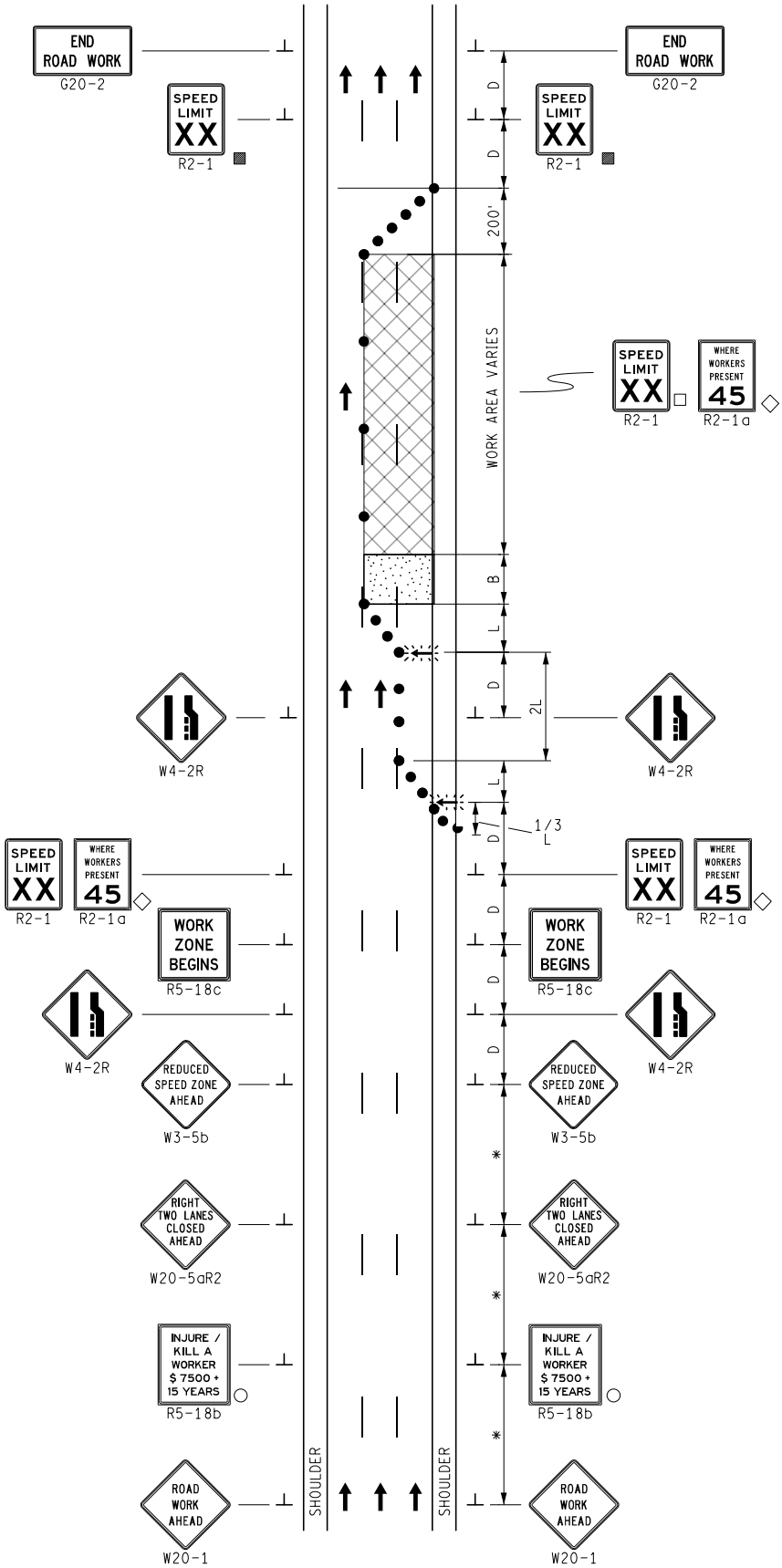
- • • • CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- ■ REFLECTS EXISTING SPEED LIMIT
- □ PLACE SIGN AS INDICATED IN NOTE S5
- ○ PLACE SIGN AS INDICATED IN NOTE S2
- ◇ R2-1a OPTIONAL
- * PLACE SIGNS AT A SPACING OF D ON DIVIDED ROADWAYS AND 2D ON FREEWAYS

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S2, S3, S5, S8
DEVICES: TCD1, TCD2, TCD6

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	2-LANE CLOSURE ON A 3-LANE FREEWAY OR DIVIDED ROADWAY	DATE: MAY 2021
		NO: 206-FW-2LC-(L)		SHEET: 1 OF 1
FILE: 206-FW-2LC-(L).dgn				



KEY

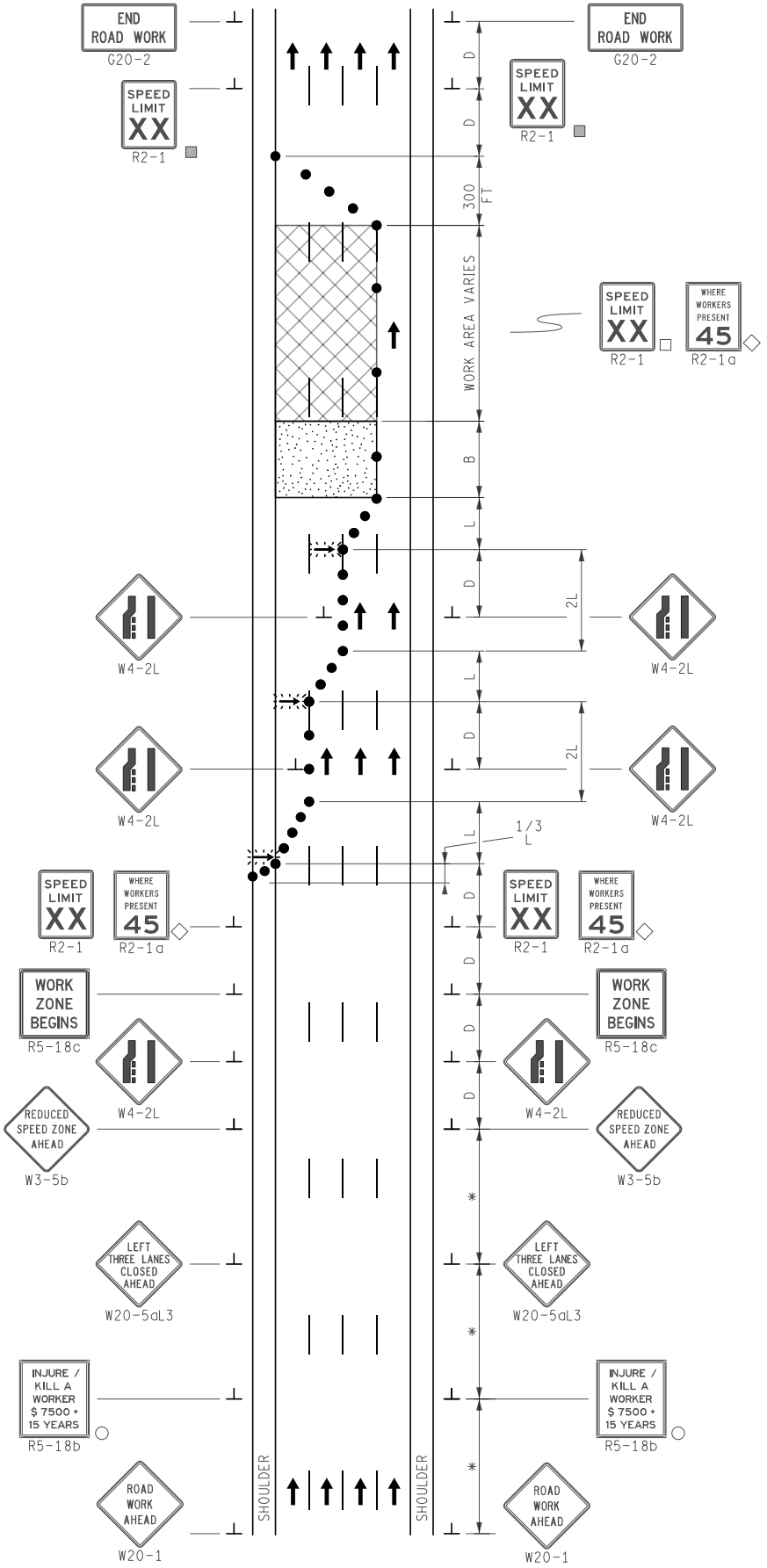
- • • • CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- ■ REFLECTS EXISTING SPEED LIMIT
- □ PLACE SIGN AS INDICATED IN NOTE S5
- ○ PLACE SIGN AS INDICATED IN NOTE S2
- ◇ R2-1a OPTIONAL
- ✱ PLACE SIGNS AT A SPACING OF D ON DIVIDED ROADWAYS AND 2D ON FREEWAYS

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S2, S3, S5, S8
DEVICES: TCD1, TCD2, TCD6

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	RIGHT 2-LANE CLOSURE ON A 3-LANE FREEWAY OR DIVIDED ROADWAY	DATE: MAY 2021
		NO: 207-FW-2LC-(R)		SHEET: 1 OF 1
FILE: 207-FW-2LC-(R).dgn				



KEY

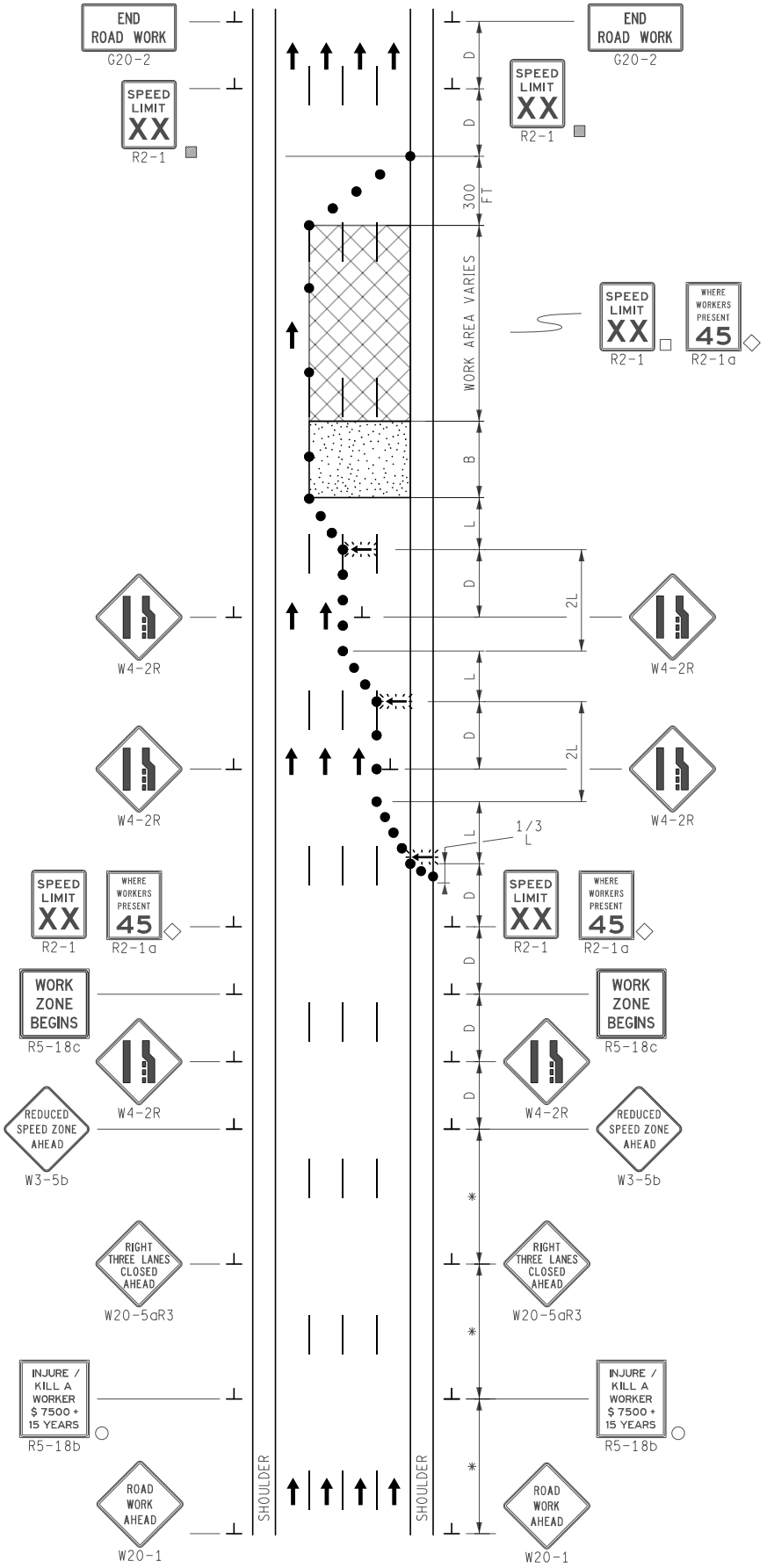
- • • • CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- ■ REFLECTS EXISTING SPEED LIMIT
- □ PLACE SIGN AS INDICATED IN NOTE S5
- ○ PLACE SIGN AS INDICATED IN NOTE S2
- ◇ R2-1a OPTIONAL
- * PLACE SIGNS AT A SPACING OF D ON DIVIDED ROADWAYS AND 2D ON FREEWAYS

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S2, S3, S5, S6, S8
DEVICES: TCD1, TCD2, TCD6

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL NO: 208-FW-3LC-(L)	LEFT 3-LANE CLOSURE ON A 4-LANE FREEWAY OR DIVIDED ROADWAY	DATE: DECEMBER 2021 SHEET: 1 OF 1
FILE: 208-FW-3LC-(L).dgn				



KEY

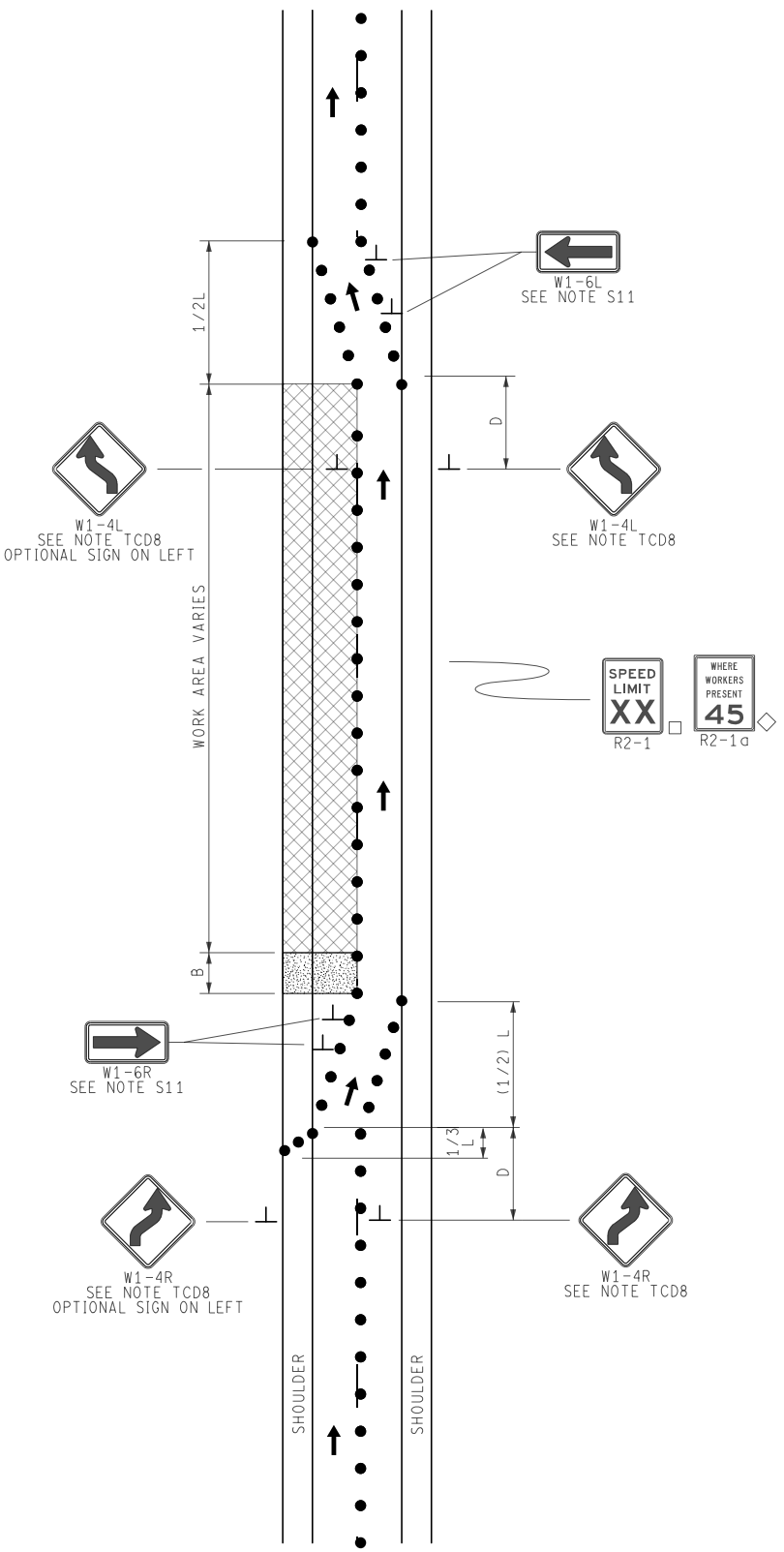
- • • • CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- ■ REFLECTS EXISTING SPEED LIMIT
- □ PLACE SIGN AS INDICATED IN NOTE S5
- ○ PLACE SIGN AS INDICATED IN NOTE S2
- ◇ R2-1a OPTIONAL
- * PLACE SIGNS AT A SPACING OF D ON DIVIDED ROADWAYS AND 2D ON FREEWAYS

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S2, S3, S5, S6, S8
DEVICES: TCD1, TCD2, TCD6

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL NO: 209-FW-3LC-(R)	RIGHT 3-LANE CLOSURE ON A 4-LANE FREEWAY OR DIVIDED ROADWAY	DATE: DECEMBER 2021 SHEET: 1 OF 1
FILE: 209-FW-3LC-(R).dgn				



KEY

- • • • CHANNELIZING DEVICES
- ← TRAFFIC FLOW
- □ PLACE SIGN AS INDICATED IN NOTE S5
- ◇ R2-1a OPTIONAL

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G5
SIGNING: S1, S5, S8, S11
DEVICES: TCD1, TCD2, TCD8

NOTE

PLACE ADDITIONAL SIGNS THAT ARE REQUIRED FOR A LANE CLOSURE.

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL NO: 210-FW-SHIFT-1LC	1-LANE SHIFT WITHIN A LANE CLOSURE ON A 2-LANE FREEWAY OR DIVIDED ROADWAY	DATE: DECEMBER 2021 SHEET: 1 OF 1
FILE: 210-FW-SHIFT-1LC.dgn				

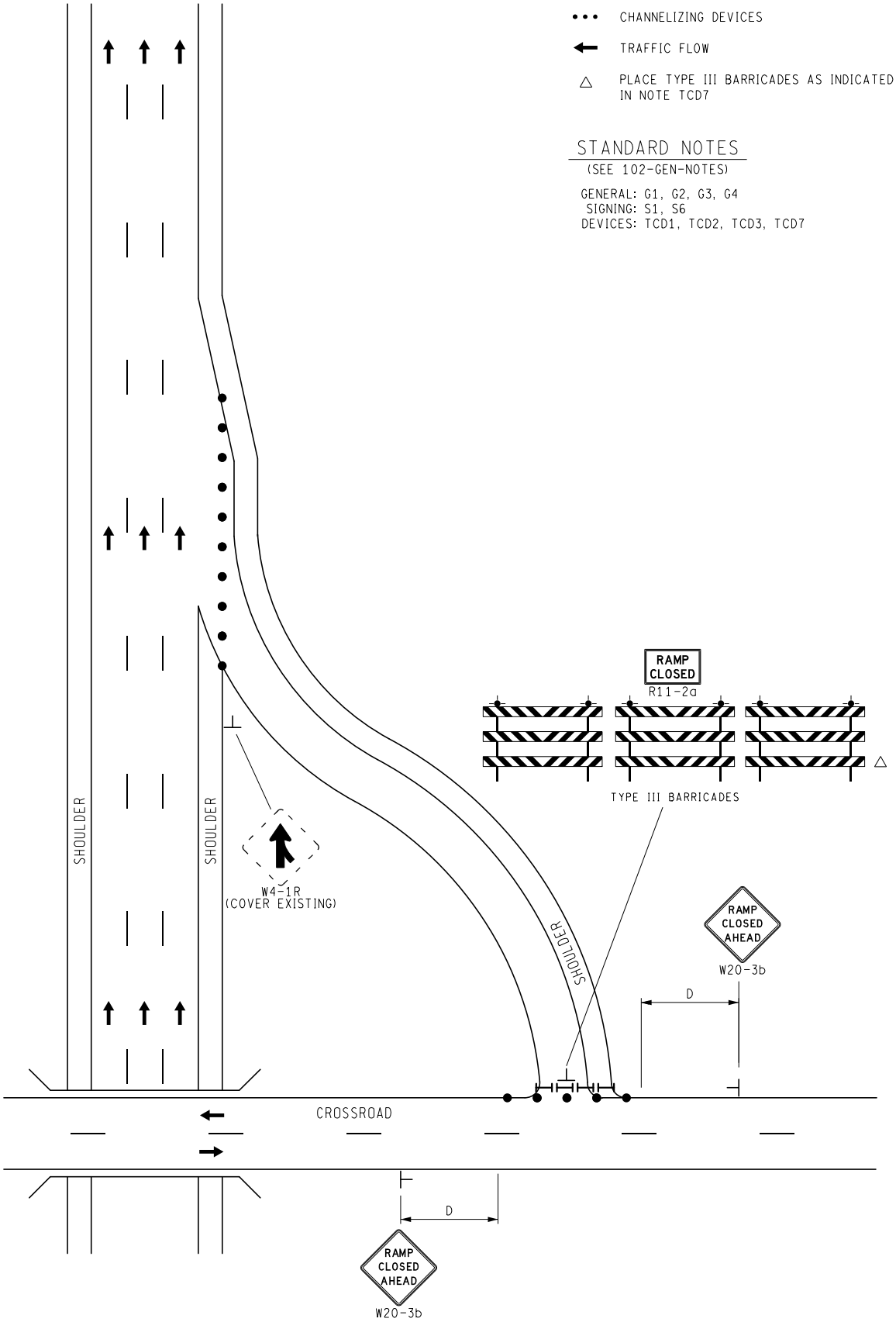
KEY

- • • • CHANNELIZING DEVICES
- ← TRAFFIC FLOW
- △ PLACE TYPE III BARRICADES AS INDICATED IN NOTE TCD7

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S6
DEVICES: TCD1, TCD2, TCD3, TCD7



MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL NO: 220-FW-EnR-C	FREEWAY ENTRANCE RAMP CLOSURE	DATE: MAY 2021 SHEET: 1 OF 1
FILE: 220-FW-EnR-C.dgn				

KEY

• • • CHANNELIZING DEVICES

← TRAFFIC FLOW

STANDARD NOTES

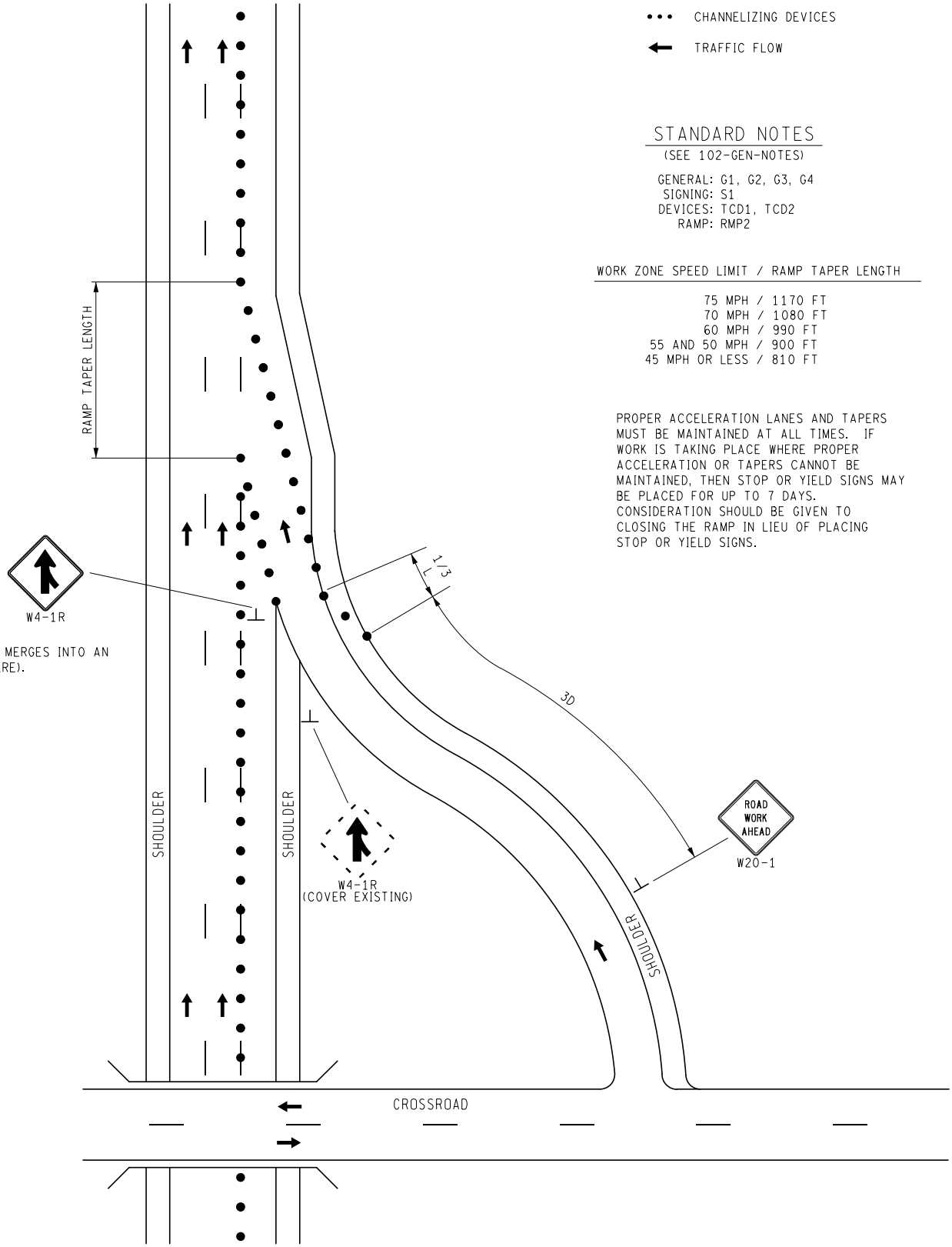
(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1
DEVICES: TCD1, TCD2
RAMP: RMP2

WORK ZONE SPEED LIMIT / RAMP TAPER LENGTH

75 MPH	1170 FT
70 MPH	1080 FT
60 MPH	990 FT
55 AND 50 MPH	900 FT
45 MPH OR LESS	810 FT

PROPER ACCELERATION LANES AND TAPERS MUST BE MAINTAINED AT ALL TIMES. IF WORK IS TAKING PLACE WHERE PROPER ACCELERATION OR TAPERS CANNOT BE MAINTAINED, THEN STOP OR YIELD SIGNS MAY BE PLACED FOR UP TO 7 DAYS. CONSIDERATION SHOULD BE GIVEN TO CLOSING THE RAMP IN LIEU OF PLACING STOP OR YIELD SIGNS.



MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	FREEFLOW CONDITION FREEWAY ENTRANCE RAMP TREATMENT ON A FREEWAY WITH OUTSIDE LANE CLOSURE	DATE: MAY 2021
		NO: 221-FW-EnR-0 -LC-FREE		SHEET: 1 OF 1
FILE: 221-FW-EnR-0-LC-FREE.dgn				

KEY

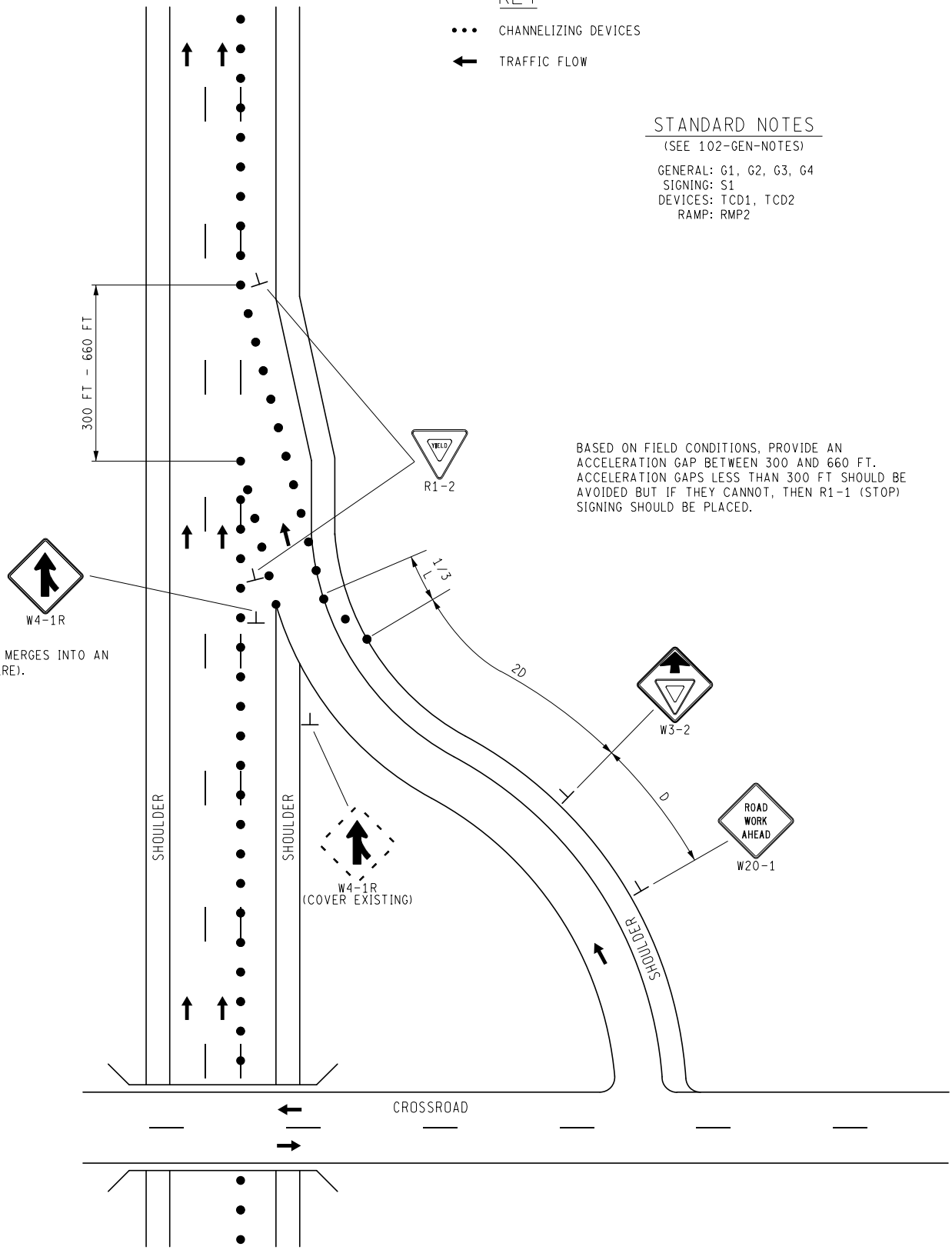
• • • CHANNELIZING DEVICES

← TRAFFIC FLOW

STANDARD NOTES

(SEE 102-GEN-NOTES)

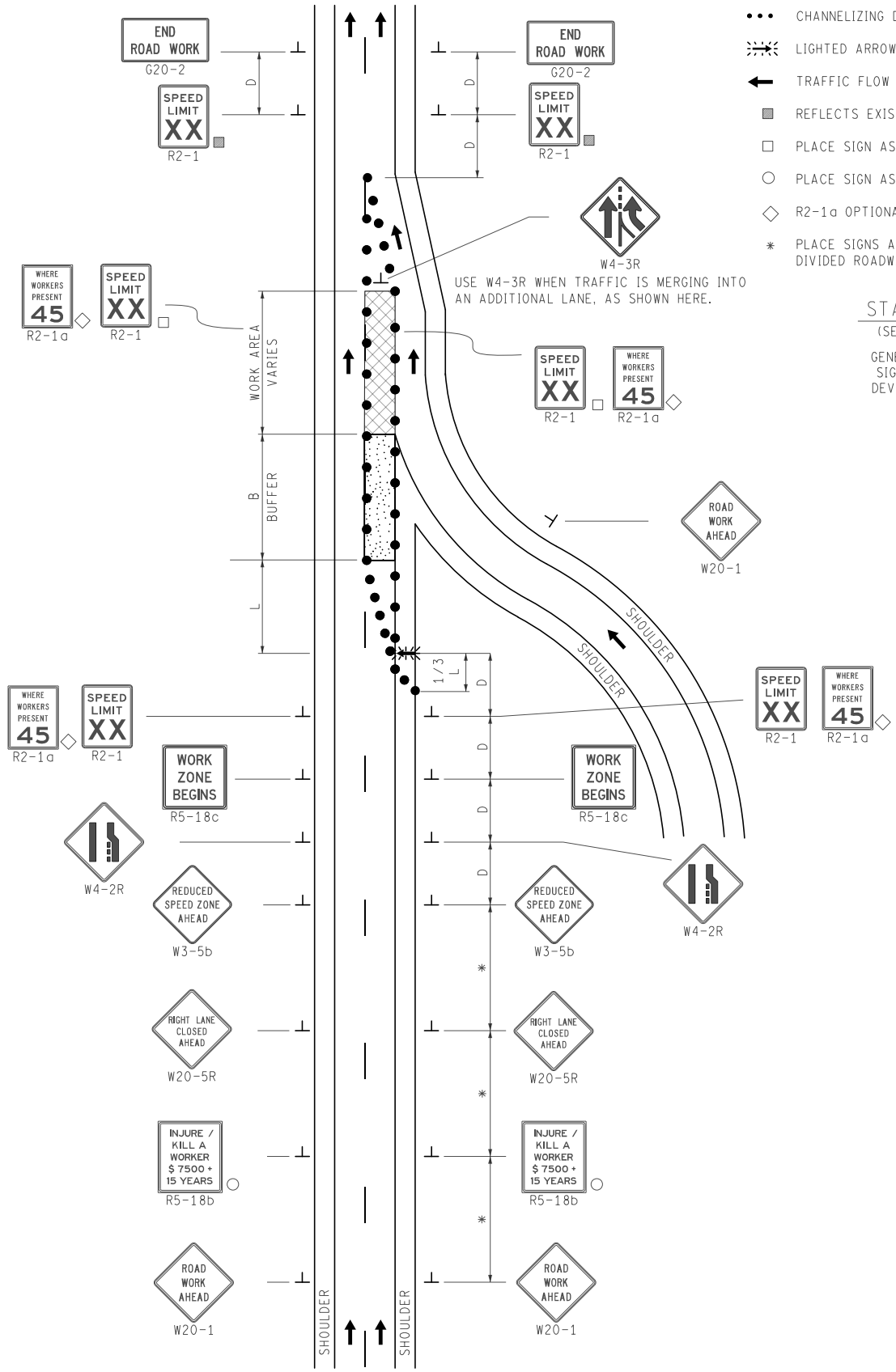
GENERAL: G1, G2, G3, G4
SIGNING: S1
DEVICES: TCD1, TCD2
RAMP: RMP2



BASED ON FIELD CONDITIONS, PROVIDE AN ACCELERATION GAP BETWEEN 300 AND 660 FT. ACCELERATION GAPS LESS THAN 300 FT SHOULD BE AVOIDED BUT IF THEY CANNOT, THEN R1-1 (STOP) SIGNING SHOULD BE PLACED.

USE W4-1 WHEN TRAFFIC MERGES INTO AN OPEN LANE (AS SHOWN HERE).

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	YIELD CONDITION FREEWAY ENTRANCE RAMP TREATMENT ON A FREEWAY WITH OUTSIDE LANE CLOSURE	DATE: MAY 2021
		NO: 222-FW-EnR-O -LC-YIELD		SHEET: 1 OF 1
FILE: 222-FW-EnR-O-LC-YIELD.dgn				



KEY

- • • • CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- ■ REFLECTS EXISTING SPEED LIMIT
- □ PLACE SIGN AS INDICATED IN NOTE S5
- ○ PLACE SIGN AS INDICATED IN NOTE S2
- ◇ R2-1a OPTIONAL
- * PLACE SIGNS AT A SPACING OF D ON DIVIDED ROADWAYS AND 2D ON FREEWAYS

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S2, S3, S5, S8
DEVICES: TCD1, TCD2, TCD6

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	FREEWAY ENTRANCE RAMP TREATMENT FOR FREEWAY WORK IN VICINITY OF RAMP TAPER	DATE: DECEMBER 2021
		NO: 223-FW-EnR-L0		SHEET: 1 OF 1
FILE: 223-FW-EnR-L0.dgn				

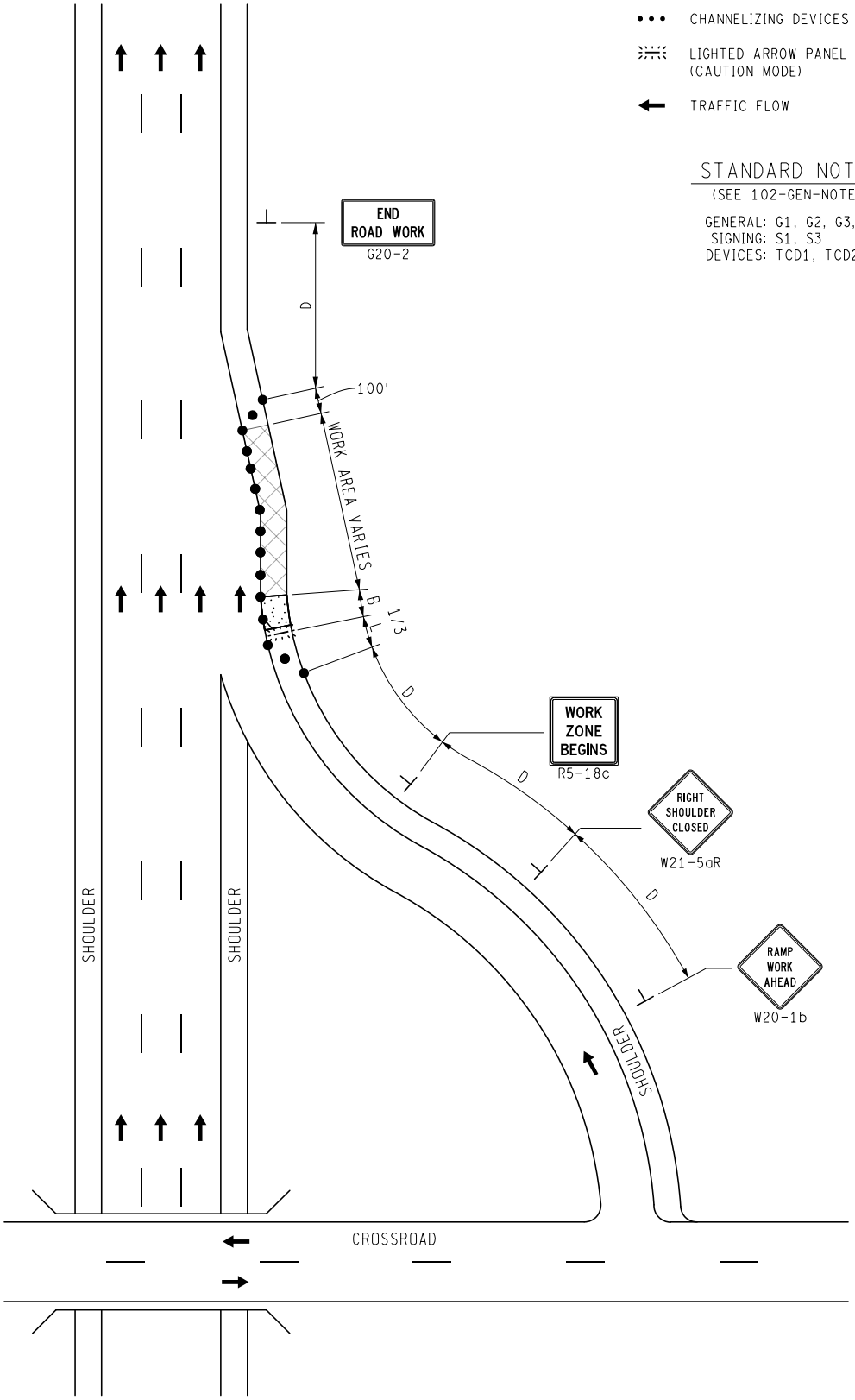
KEY

- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL (CAUTION MODE)
- TRAFFIC FLOW

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S3
DEVICES: TCD1, TCD2



MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	SHOULDER CLOSURE ON A FREEWAY ENTRANCE RAMP	DATE: MAY 2021
		NO: 224-FW-EnR-SHL		SHEET: 1 OF 1
FILE: 224-FW-EnR-SHL.dgn				

KEY

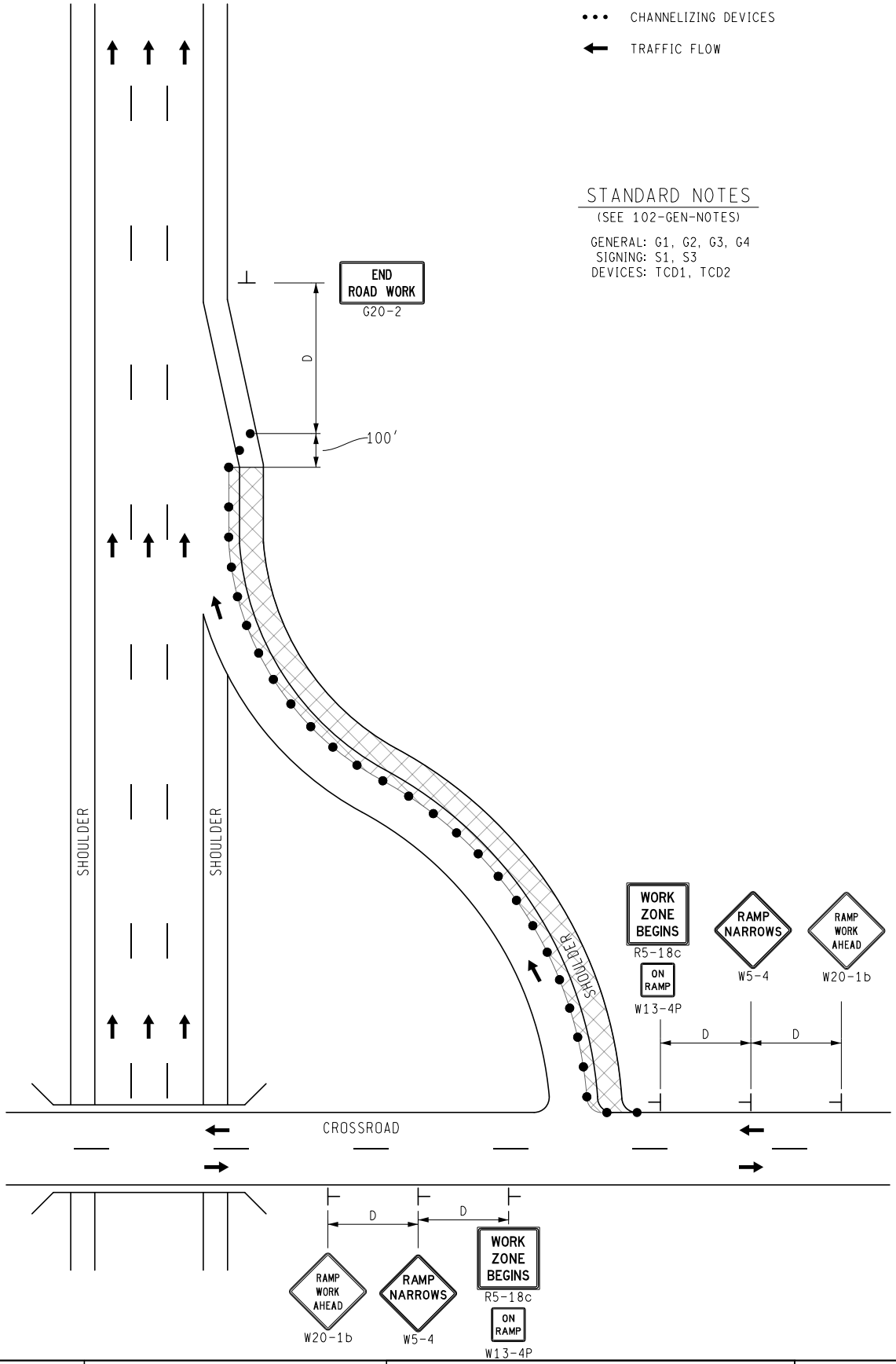
• • • CHANNELIZING DEVICES

← TRAFFIC FLOW

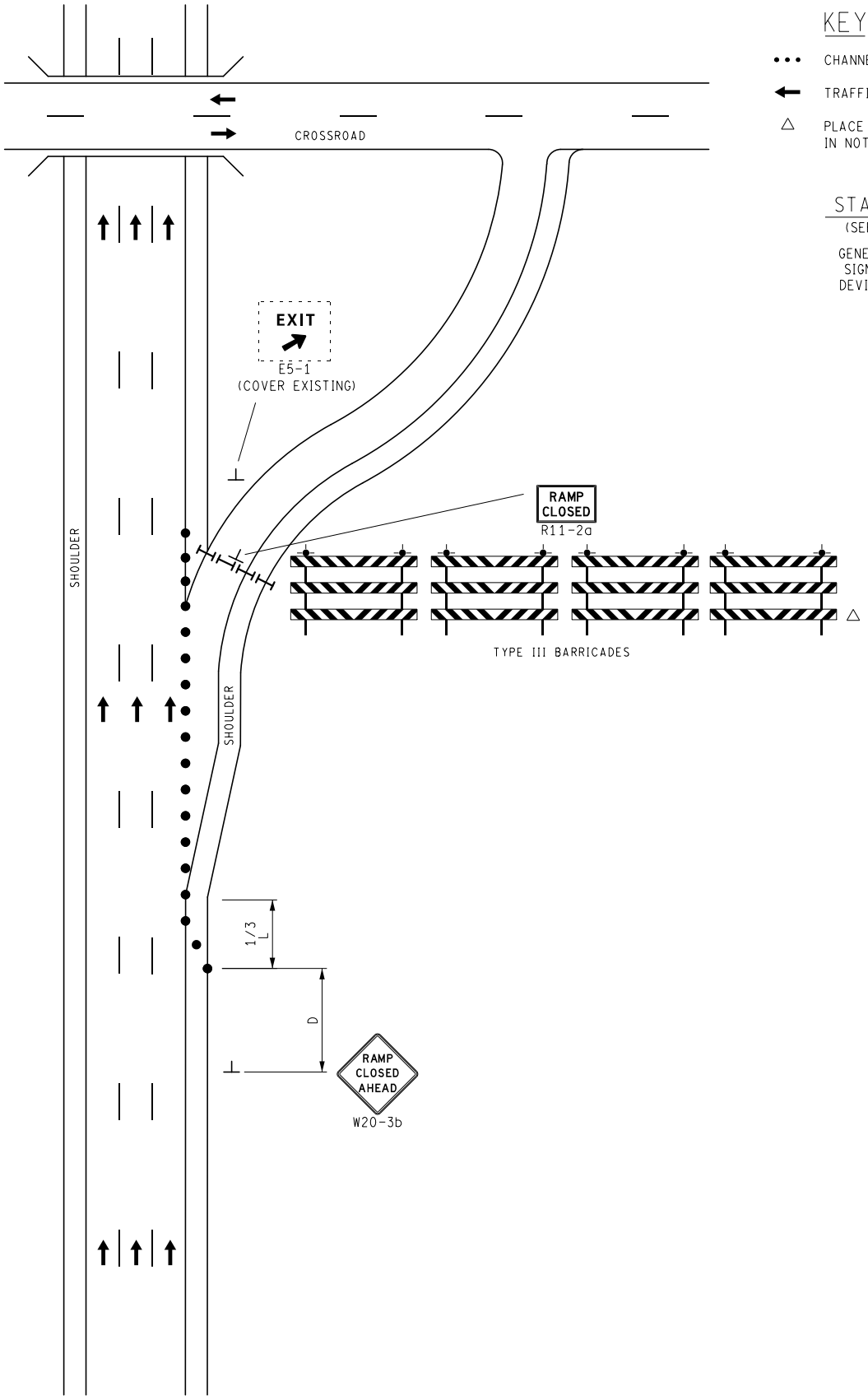
STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S3
DEVICES: TCD1, TCD2



MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	1-LANE SHIFT WITH REDUCED LANE WIDTH ON A 1-LANE FREEWAY ENTRANCE RAMP	DATE: MAY 2021
		NO: 225-FW-EnR-SHL-SHIFT		SHEET: 1 OF 1
FILE: 225-FW-EnR-SHL-SHIFT.dgn				



KEY

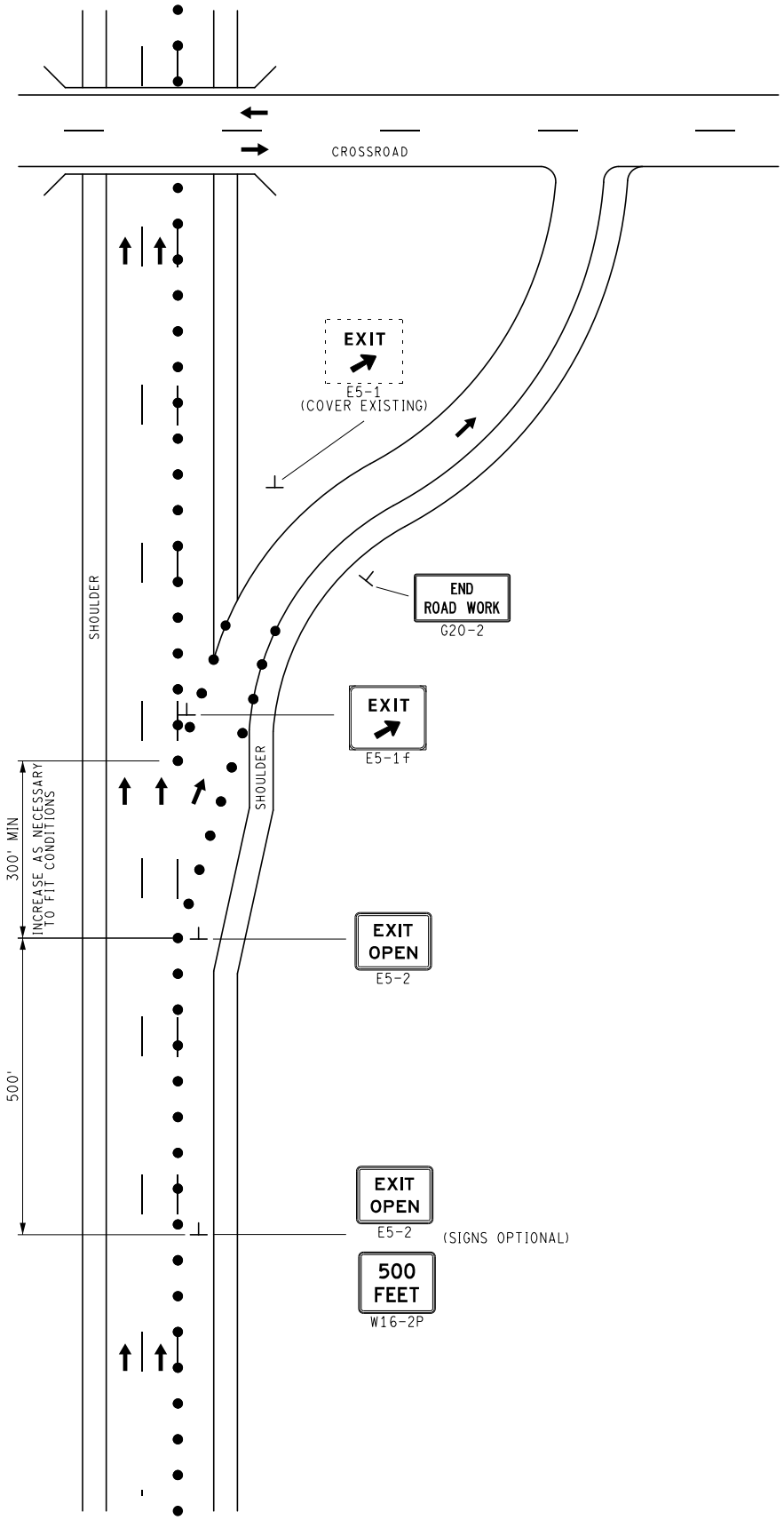
- • • • CHANNELIZING DEVICES
- ← TRAFFIC FLOW
- △ PLACE TYPE III BARRICADES AS INDICATED IN NOTE TCD7

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S6
DEVICES: TCD1, TCD2, TCD3, TCD7

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	FREEWAY EXIT RAMP CLOSURE	DATE: MAY 2021
		NO: 230-FW-ExR-C		SHEET: 1 OF 1
FILE: 230-FW-ExR-C.dgn				



KEY

• • • CHANNELIZING DEVICES

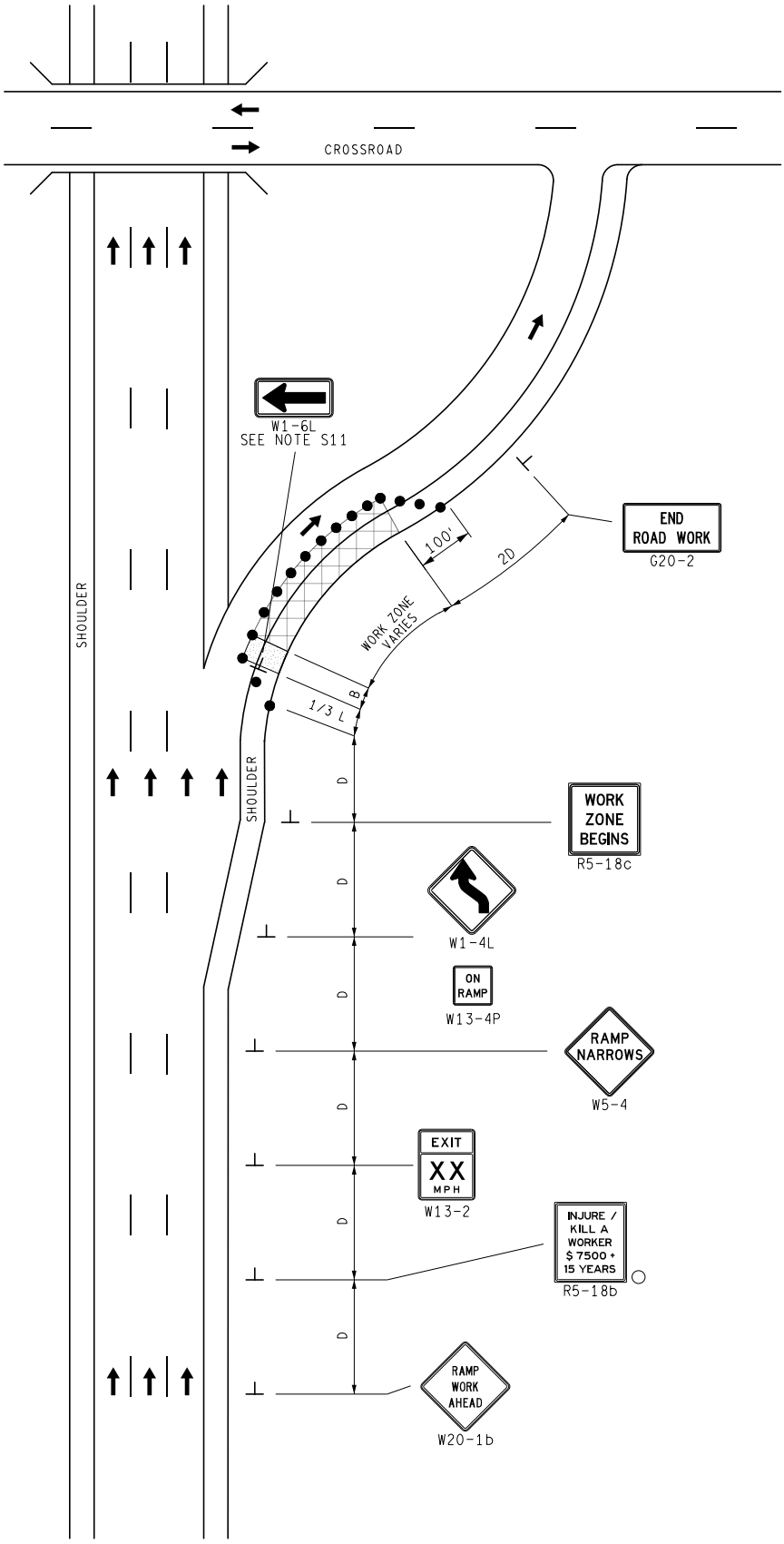
← TRAFFIC FLOW

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1
DEVICES: TCD1, TCD2
RAMP: RMP1

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	FREEWAY EXIT RAMP TREATMENT ON A FREEWAY WITH OUTSIDE LANE CLOSURE	DATE: MAY 2021
		NO: 231-FW-ExR-O-LC		SHEET: 1 OF 1
FILE: 231-FW-ExR-O-LC.dgn				



KEY

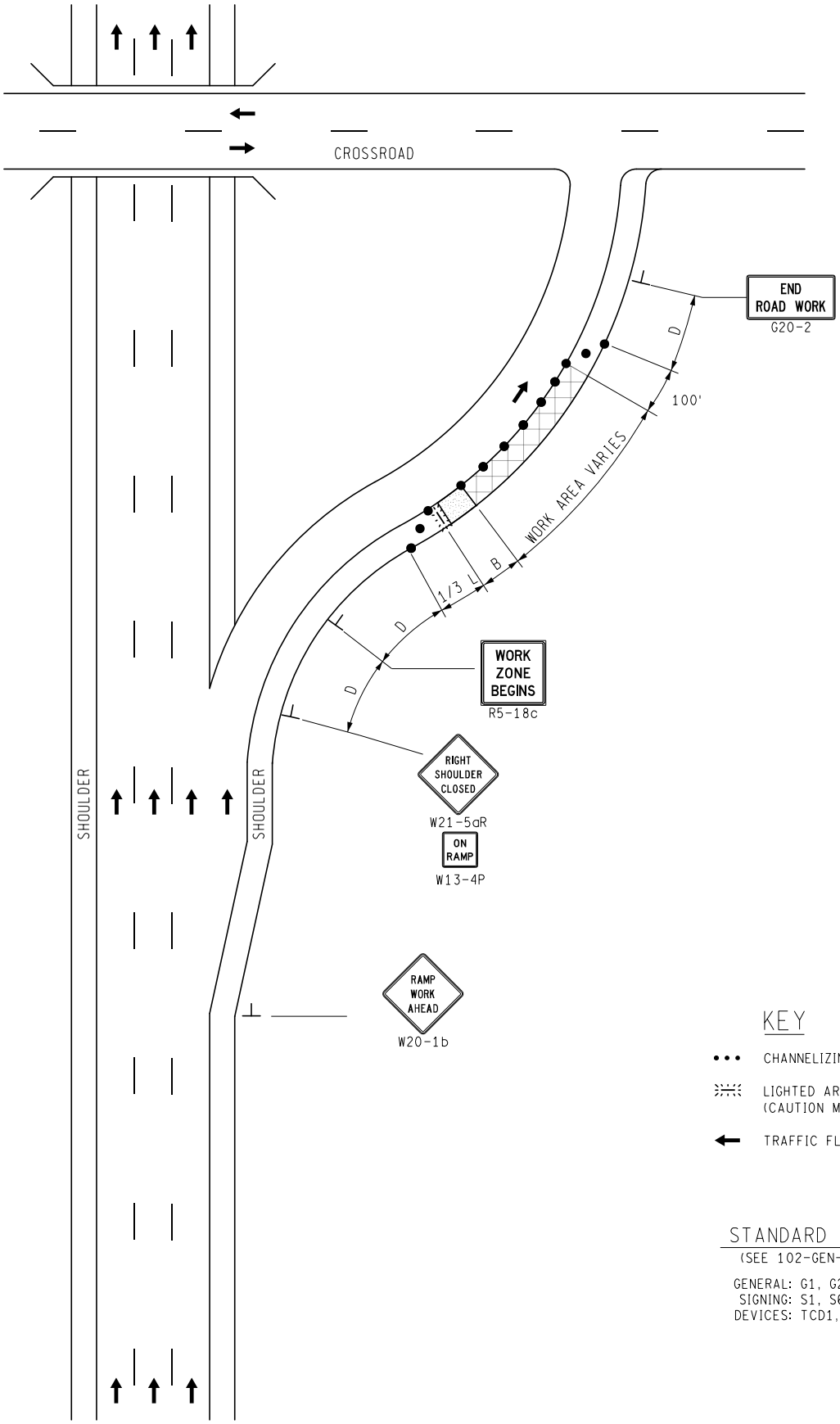
- • • • CHANNELIZING DEVICES
- ← TRAFFIC FLOW
- ○ PLACE SIGN AS INDICATED IN NOTE S2

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S2, S3, S11
DEVICES: TCD1, TCD2

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	1-LANE SHIFT WITH REDUCED LANE WIDTH ON A 1-LANE FREEWAY EXIT RAMP	DATE: MAY 2021
		NO: 232-FW-ExR-SHIFT		SHEET: 1 OF 1
FILE: 232-FW-ExR-SHIFT.dgn				



KEY

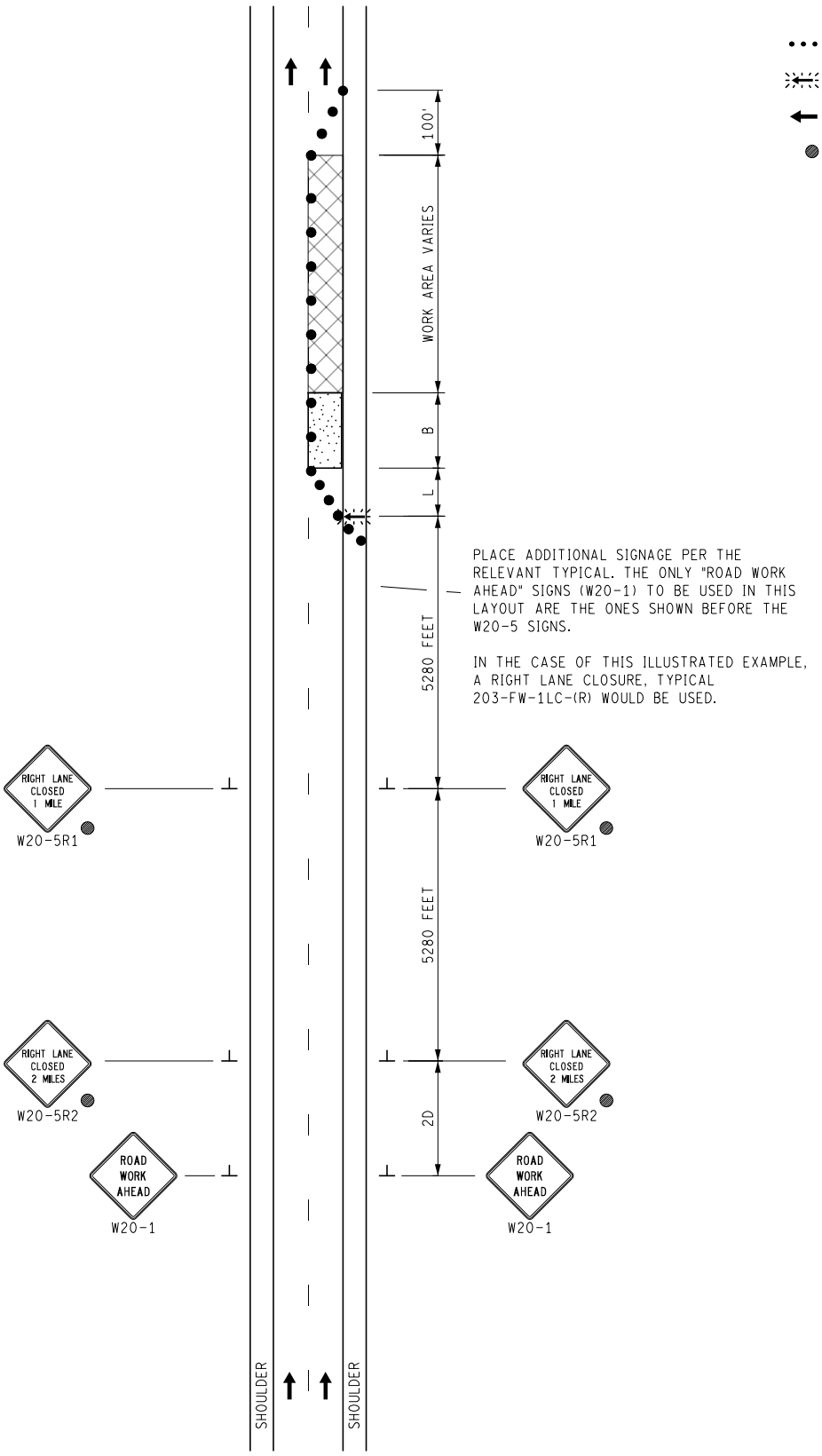
- • • • CHANNELIZING DEVICES
- LIGHTED ARROW PANEL (CAUTION MODE)
- ← TRAFFIC FLOW

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S6
DEVICES: TCD1, TCD2

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	SHOULDER CLOSURE ON A FREEWAY EXIT RAMP	DATE: MAY 2021
		NO: 233-FW-ExR-SHL		SHEET: 1 OF 1
FILE: 233-FW-ExR-SHL.dgn				



PLACE ADDITIONAL SIGNAGE PER THE RELEVANT TYPICAL. THE ONLY "ROAD WORK AHEAD" SIGNS (W20-1) TO BE USED IN THIS LAYOUT ARE THE ONES SHOWN BEFORE THE W20-5 SIGNS.

IN THE CASE OF THIS ILLUSTRATED EXAMPLE, A RIGHT LANE CLOSURE, TYPICAL 203-FW-1LC-(R) WOULD BE USED.

KEY

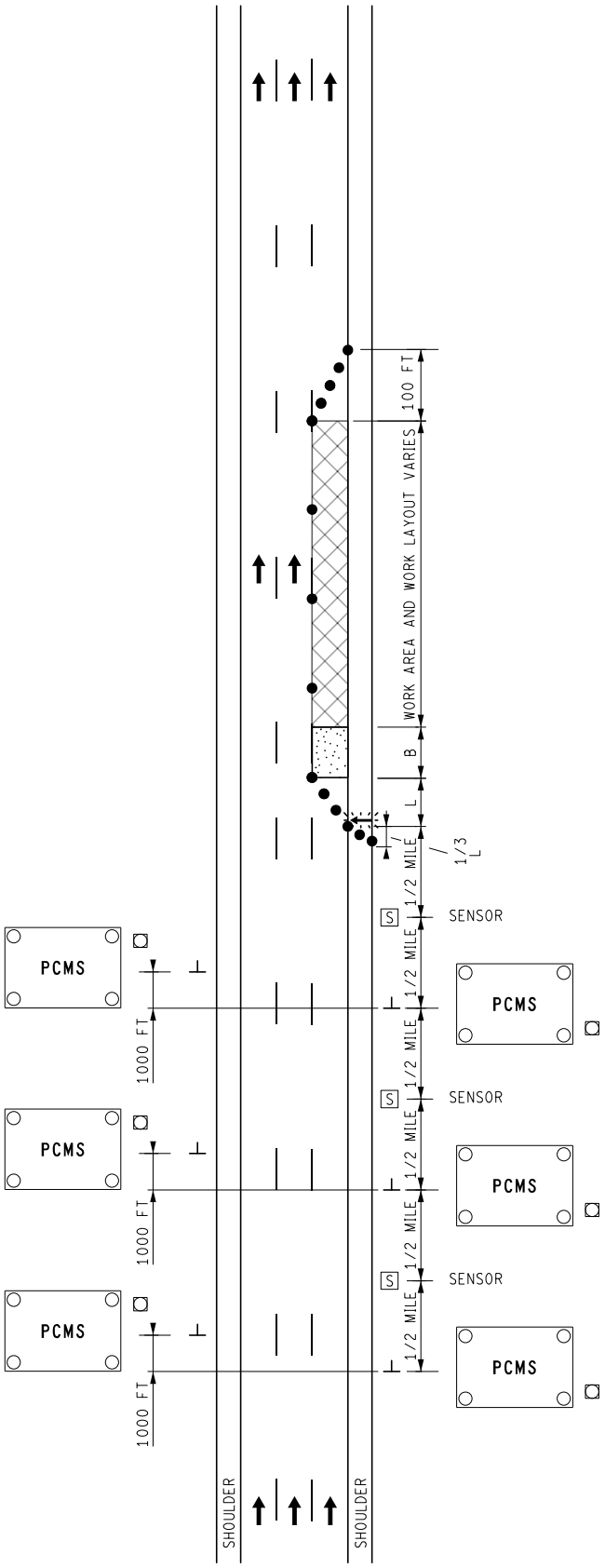
- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- PLACE THESE OR OTHER APPROPRIATE WARNING SIGNS FOR THE TRAFFIC CONTROL LAYOUT

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G3
SIGNING: S1, S2, S6

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	FREEWAY EXTENDED LEAD-IN SEQUENCE	DATE: MAY 2021
		NO: 300-SP-AW-2MILE		SHEET: 1 OF 1
FILE: 300-SP-AW-2MILE.dgn				



KEY

- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- SEE NOTE TCD10
- SENSOR

STANDARD NOTES

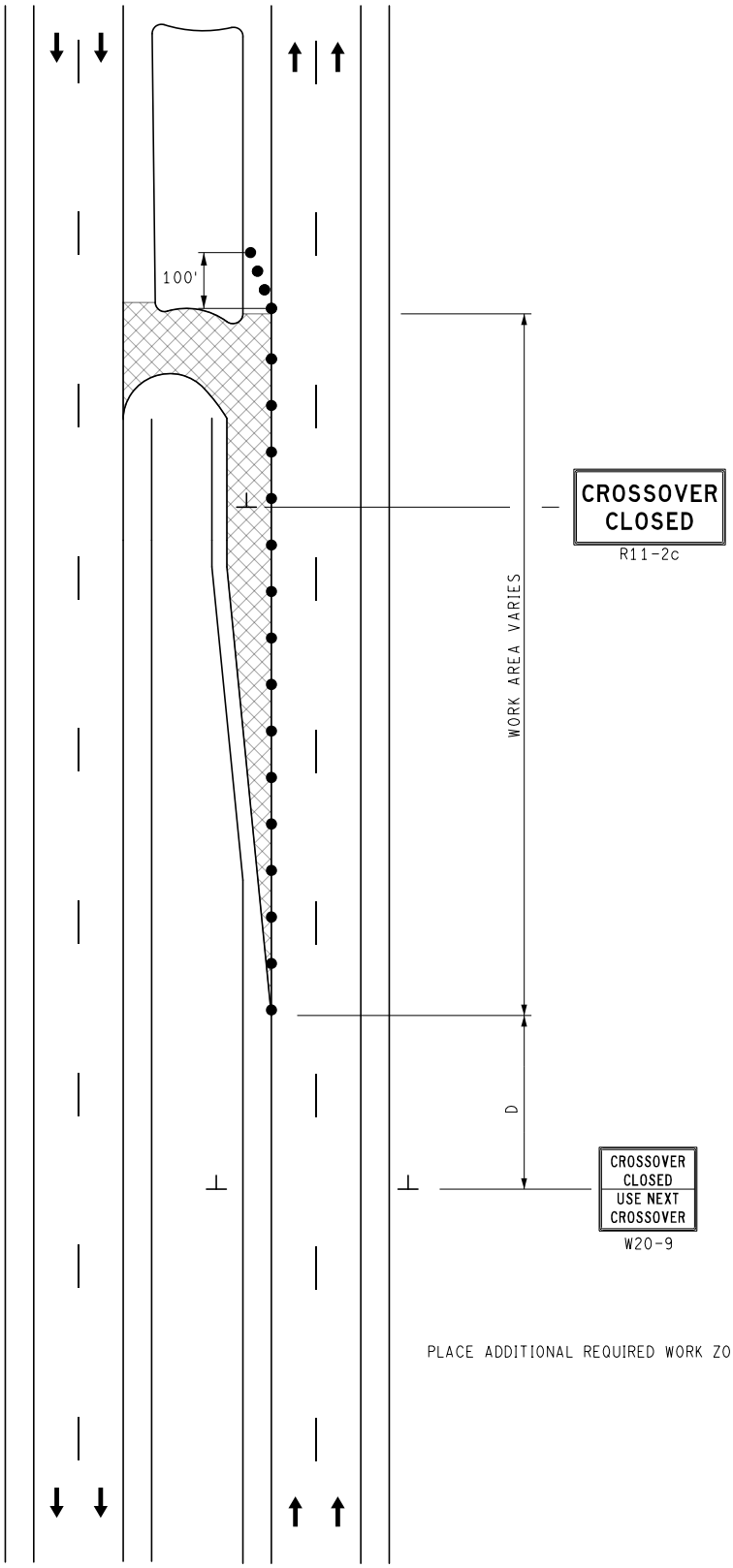
(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S4
DEVICES: TCD6, TCD10

ADDITIONAL SENSORS AND PCMS MAY BE ADDED FOR A LONGER CALCULATED BACKUP.

USE ADDITIONAL WORK ZONE SIGNS PER APPROPRIATE TYPICAL.

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	STOPPED TRAFFIC ADVISORY STANDARD SETUP ON A FREEWAY OR DIVIDED ROADWAY	DATE: MAY 2021
		NO: 301-SP-AW-STA		SHEET: 1 OF 1
FILE: 301-SP-AW-STA.dgn				



KEY

• • • CHANNELIZING DEVICES

← TRAFFIC FLOW

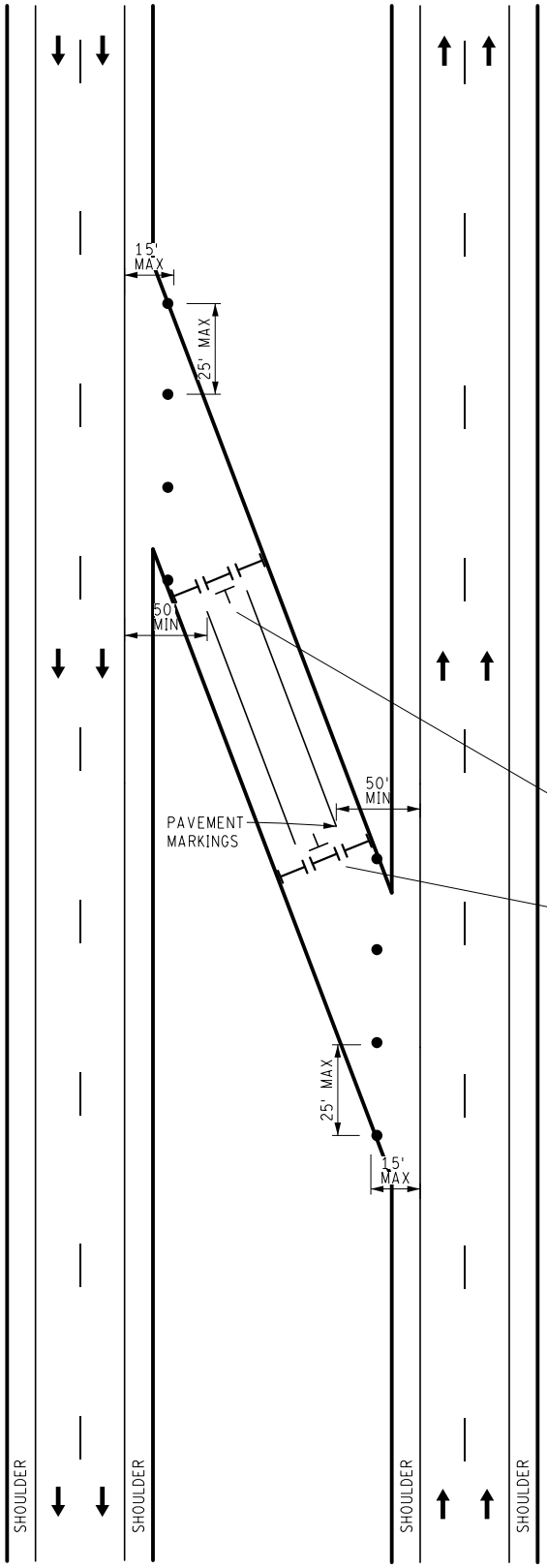
STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3
SIGNING: S1, S2, S3, S5
DEVICES: TCD1, TCD2

PLACE ADDITIONAL REQUIRED WORK ZONE SIGNS

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	CROSSOVER CLOSURE ON A DIVIDED ROADWAY	DATE: MAY 2021
		NO: 310-SP-CROSS-C-NFW		SHEET: 1 OF 1
FILE: 310-SP-CROSS-C-NFW.dgn				



KEY

- • • • DELINEATORS
- ← TRAFFIC FLOW
- △ PLACE TYPE III BARRICADE AS INDICATED IN NOTE TCD7

STANDARD NOTES

(SEE 102-GEN-NOTES)

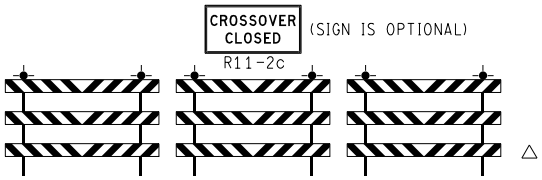
GENERAL: G1, G2, G3, G4, G5
SIGNING: S1,
DEVICES: TCD1, TCD2, TCD3, TCD4, TCD7

NOTES

EPOXY DELINEATORS ON THE PAVEMENT IN THE CROSSOVER 15' MAX FROM THE EDGELINE AND SPACE AT 25 FEET MAX.

PLACE APPROPRIATE NUMBER OF TYPE III BARRICADES TO CLOSE LANE.

REMOVE PAVEMENT MARKINGS WITHIN 50 FEET OF ACTIVE LANES, ON CLOSED CROSSOVERS.



TYPE III BARRICADES

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	TEMPORARY SINGLE CROSSOVER CLOSURE	DATE: MAY 2021
		NO: 311-SP-CROSS C-FW-(1)		SHEET: 1 OF 1
FILE: 311-SP-CROSS-C-FW-1.dgn				

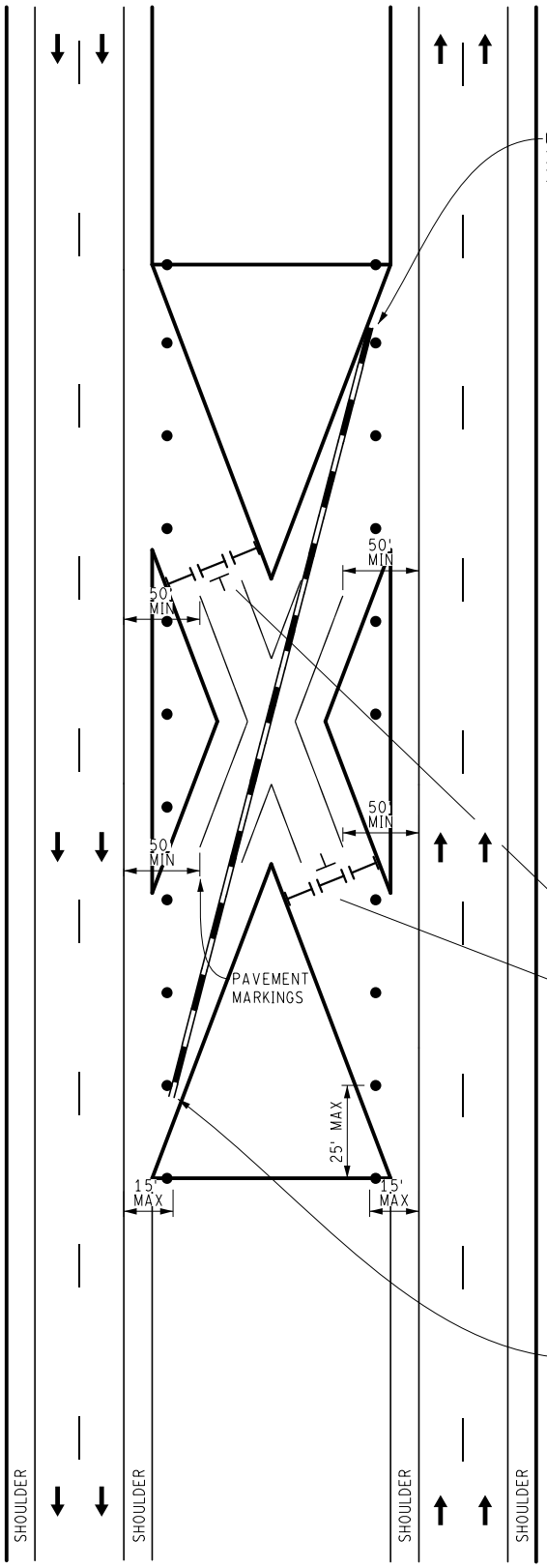
KEY

- DELINEATORS
- TRAFFIC FLOW
- TEMPORARY BARRIER WALL
- △ PLACE TYPE III BARRICADE AS INDICATED IN NOTE TCD7

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4, G5
SIGNING: S1
DEVICES: TCD1, TCD2, TCD3, TCD4, TCD7



NOTES

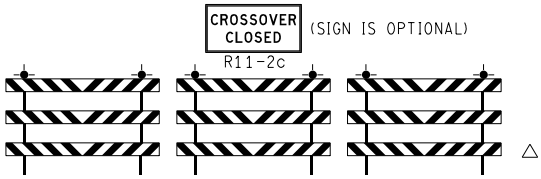
EPOXY DELINEATORS ON THE PAVEMENT IN THE CROSSOVER 15' FROM THE EDGELINE AND SPACE AT 25 FEET MAX.

DELINEATORS ARE ONLY TO BE PLACED ON PAVED AREAS IN THE CROSSOVER. THE DELINEATORS NOT IN THE CROSSOVER LANES ARE FOR PAVED AREAS WHERE THE ENTIRE BOX AREA IS PAVED.

USE APPROPRIATE END TREATMENT PER STANDARD PLAN R-126 ON BARRIER WALL.

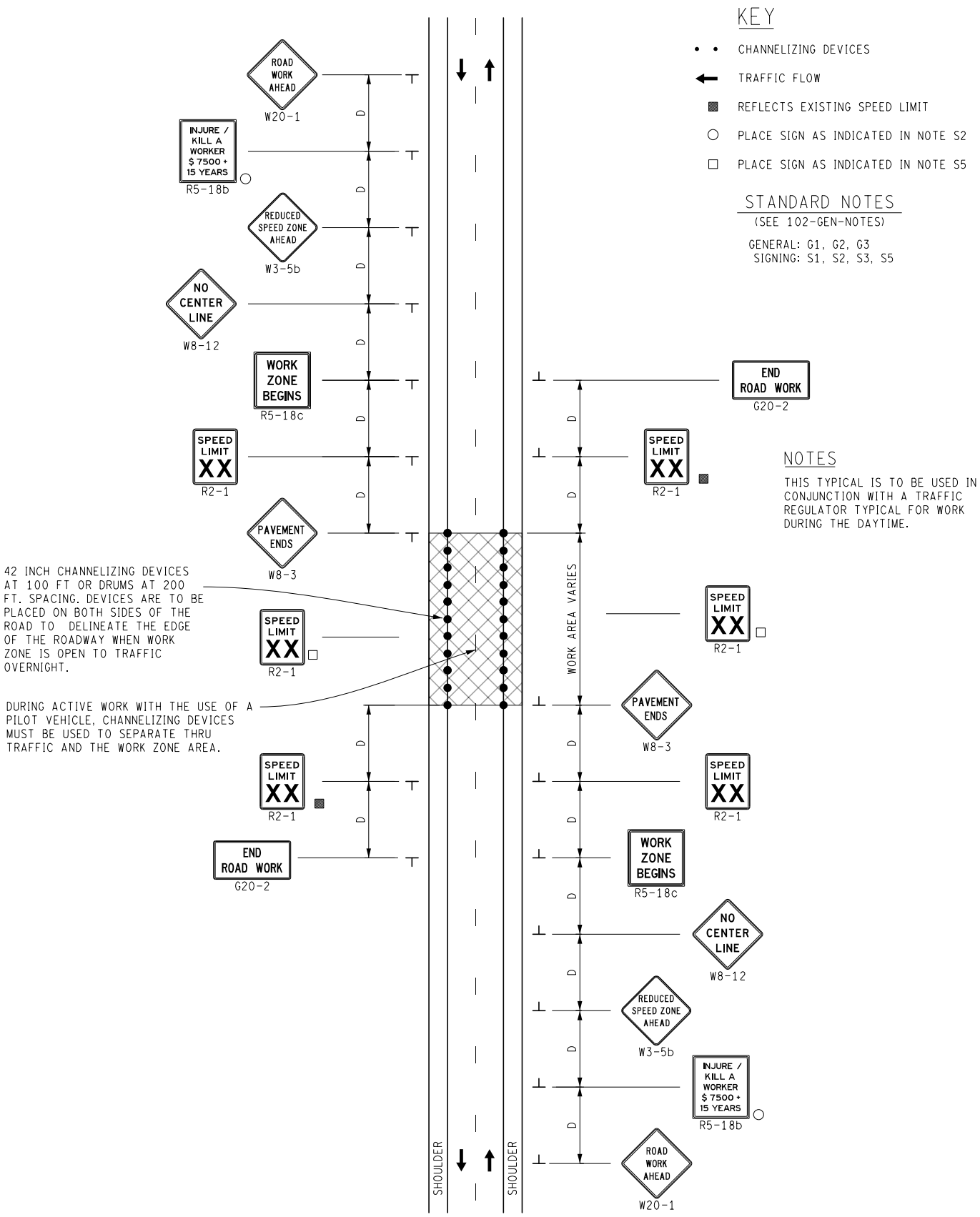
PLACE APPROPRIATE NUMBER OF TYPE III BARRICADES TO CLOSE LANE.

REMOVE PAVEMENT MARKINGS WITHIN 50 FEET OF ACTIVE LANES, ON CLOSED CROSSOVERS.



TYPE III BARRICADES (BARRICADES ARE OPTIONAL)

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	TEMPORARY DUAL CROSSOVER CLOSURE	DATE: MAY 2021
		NO: 312-SP-CROSS-C-FW-(2)		SHEET: 1 OF 1
FILE: 312-SP-CROSS-C-FW-2.dgn				



NOTES

THIS TYPICAL IS TO BE USED IN CONJUNCTION WITH A TRAFFIC REGULATOR TYPICAL FOR WORK DURING THE DAYTIME.

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	TEMPORARY TRAFFIC CONTROL ON A TWO LANE, TWO WAY ROADWAY FOR CRUSHED AND SHAPED SURFACES WITH SPEED REDUCTION	DATE: MAY 2021
		NO: 320-SP-CruSha		SHEET: 1 OF 1
FILE: 320-SP-CruSha.dgn				

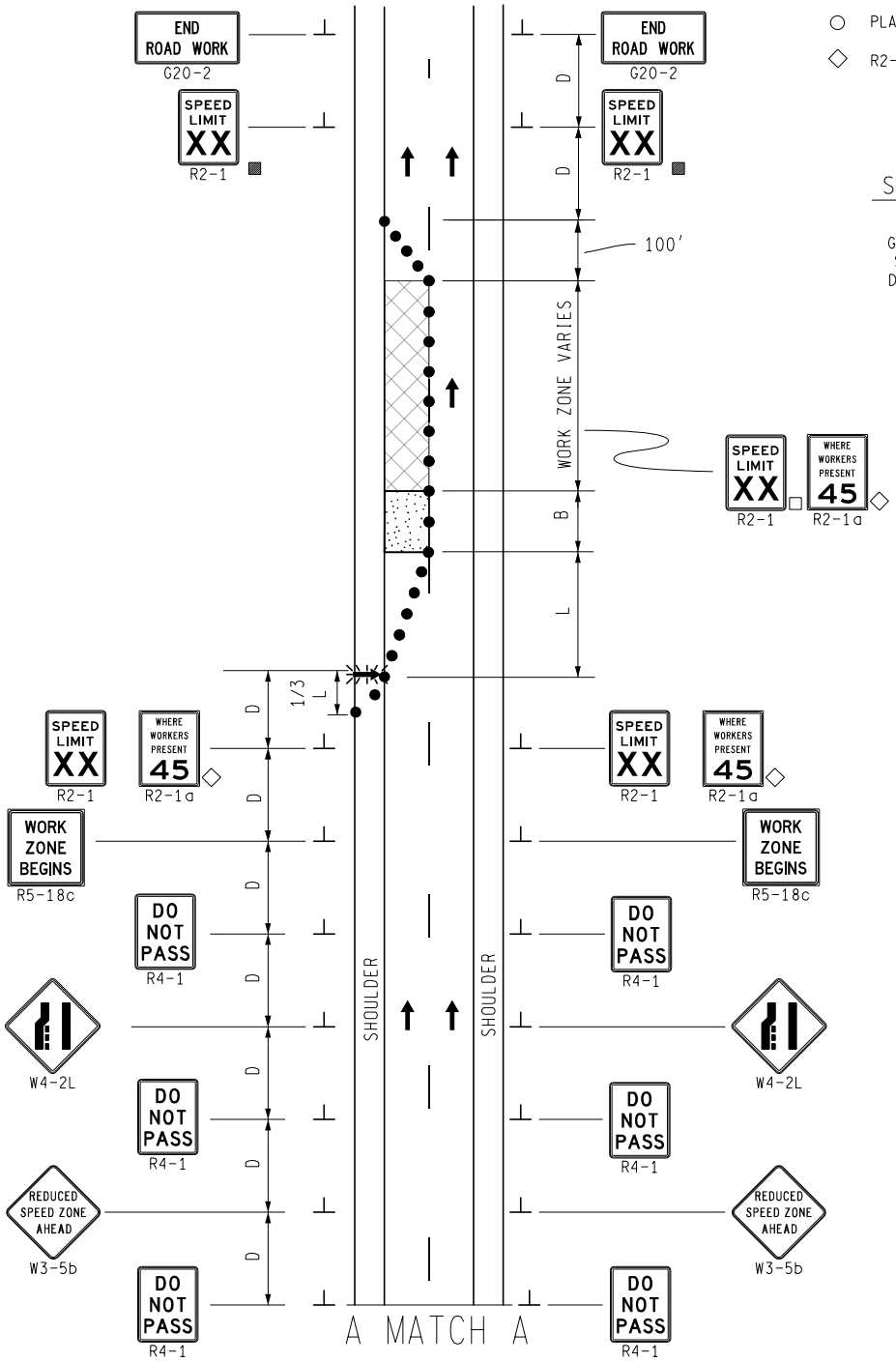
KEY

- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- PLACE SIGN AS INDICATED IN NOTE S5
- PLACE SIGN AS INDICATED IN NOTE S2
- R2-1a OPTIONAL

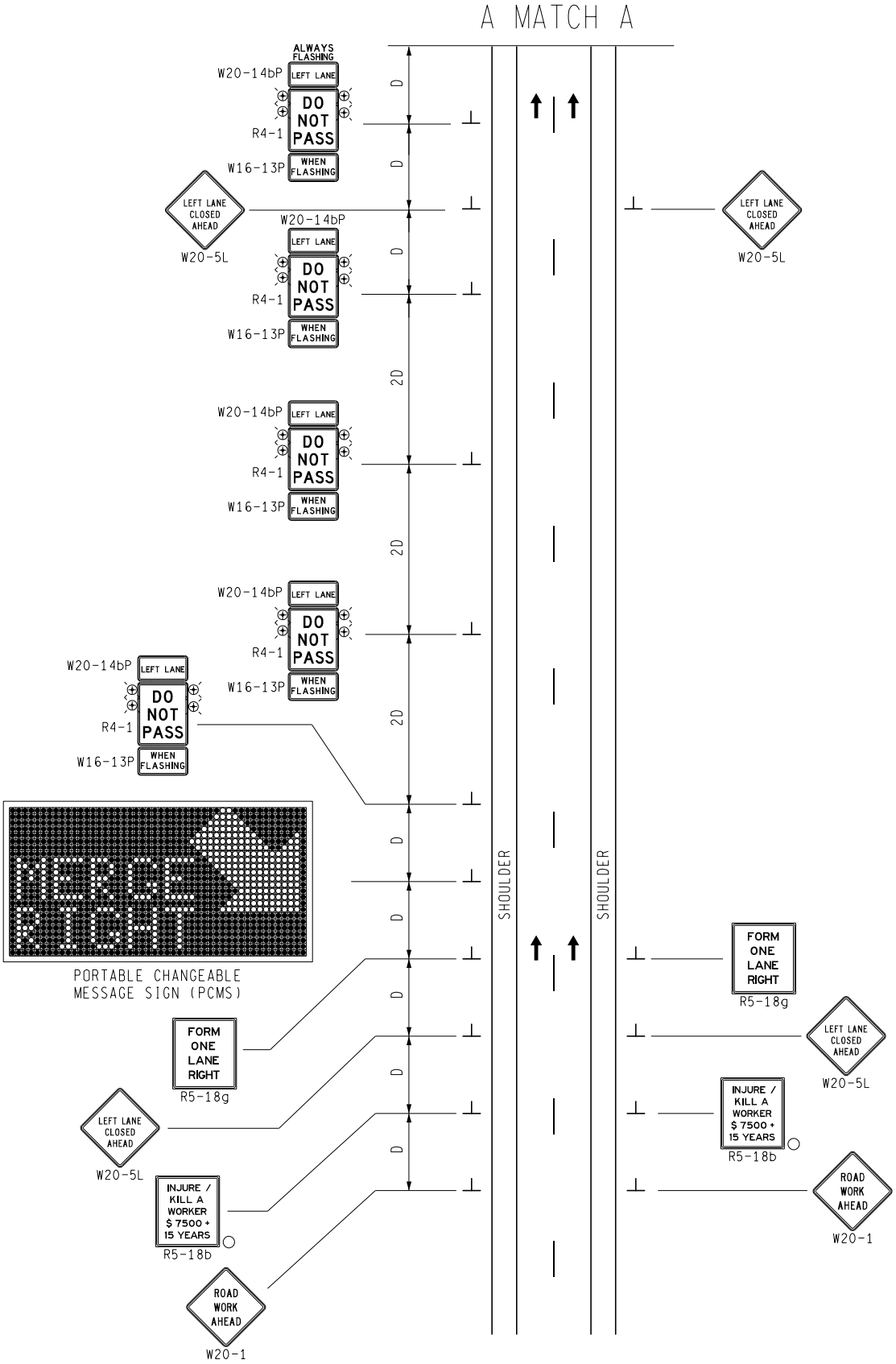
STANDARD NOTES

(SEE 102-GEN-NOTES)

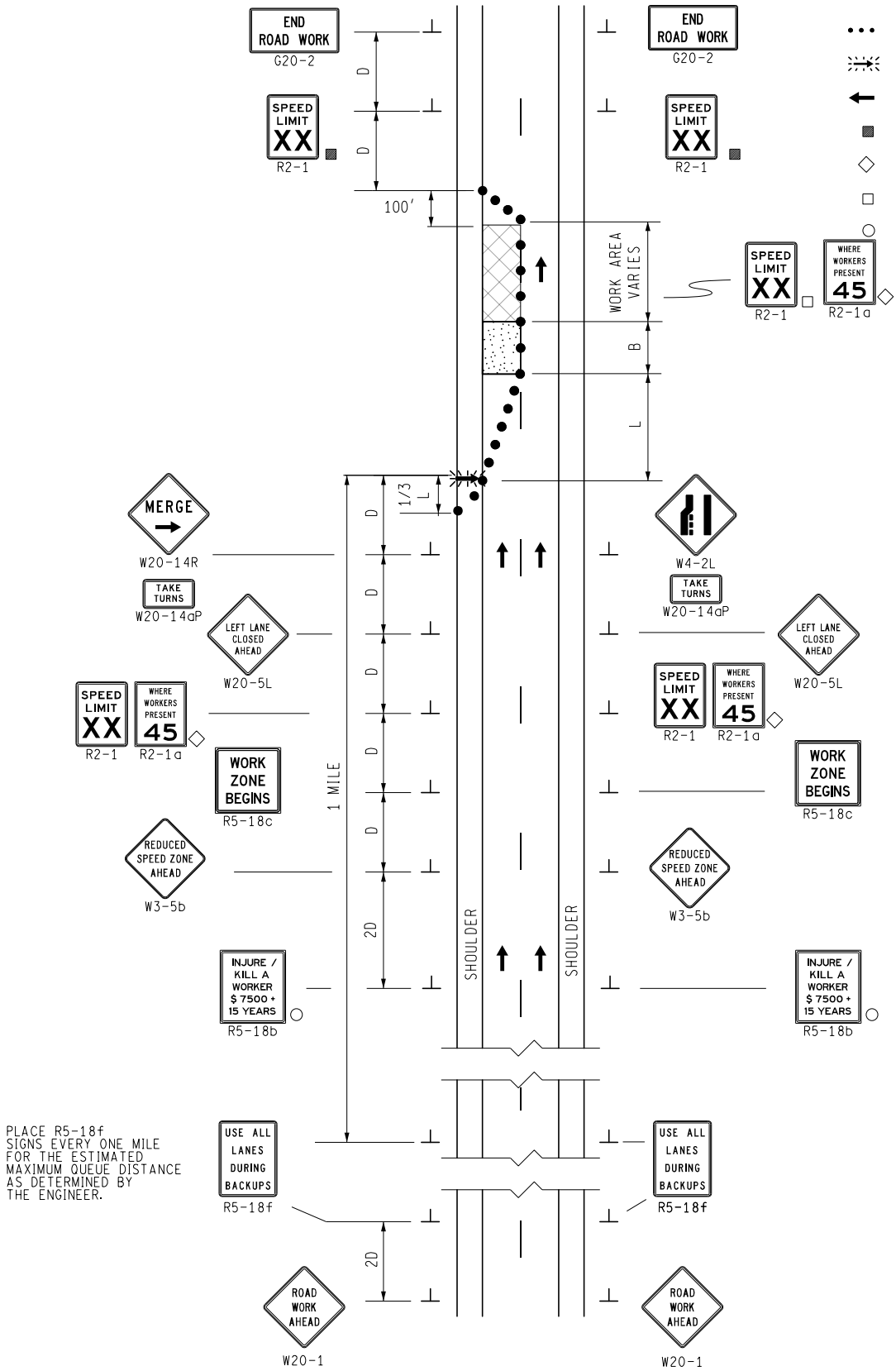
GENERAL: G1, G2, G3, G4
SIGNING: S1, S2, S3, S5, S6, S8
DEVICES: TCD1, TCD2, TCD6, TCD10



MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	SINGLE LANE CLOSURE WITH EARLY MERGE ON A 2-LANE FREEWAY	DATE: MAY 2021
		NO: 340-SP-EM-1LC-(L)		SHEET: 1 OF 2
FILE: 340-SP-EM-1LC-(L).dgn				



MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL NO: 340-SP-EM-1LC-(L)	SINGLE LANE CLOSURE WITH EARLY MERGE ON A 2-LANE FREEWAY	DATE: MAY 2021 SHEET: 2 OF 2
FILE: 340-SP-EM-1LC-(L).dgn				



PLACE R5-18f SIGNS EVERY ONE MILE FOR THE ESTIMATED MAXIMUM QUEUE DISTANCE AS DETERMINED BY THE ENGINEER.

KEY

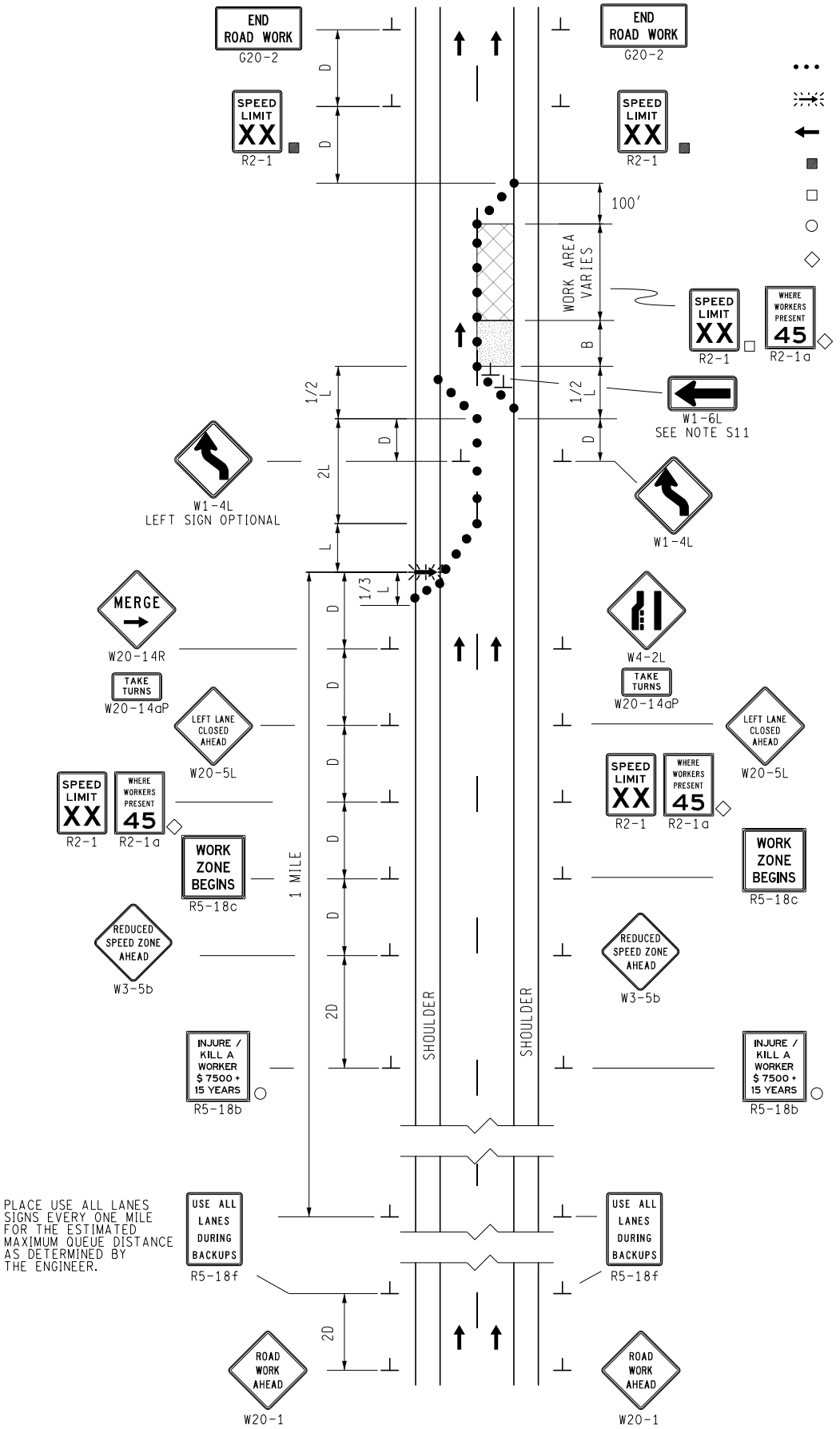
- • • • CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- ■ REFLECTS EXISTING SPEED LIMIT
- ◇ R2-1a OPTIONAL
- □ PLACE SIGN AS INDICATED IN NOTE S5
- ○ PLACE SIGN AS INDICATED IN NOTE S2

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S2, S3, S5, S6, S8
DEVICES: TCD1, TCD2, TCD6

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	SINGLE LEFT LANE CLOSURE WITH ZIPPER MERGE ON A 2-LANE FREEWAY	DATE: MAY 2021
		NO: 341-SP-ZIP-1LC-(L)		SHEET: 1 OF 1
FILE: 341-SP-ZIP-1LC-(L).dgn				



PLACE USE ALL LANES SIGNS EVERY ONE MILE FOR THE ESTIMATED MAXIMUM QUEUE DISTANCE AS DETERMINED BY THE ENGINEER.

KEY

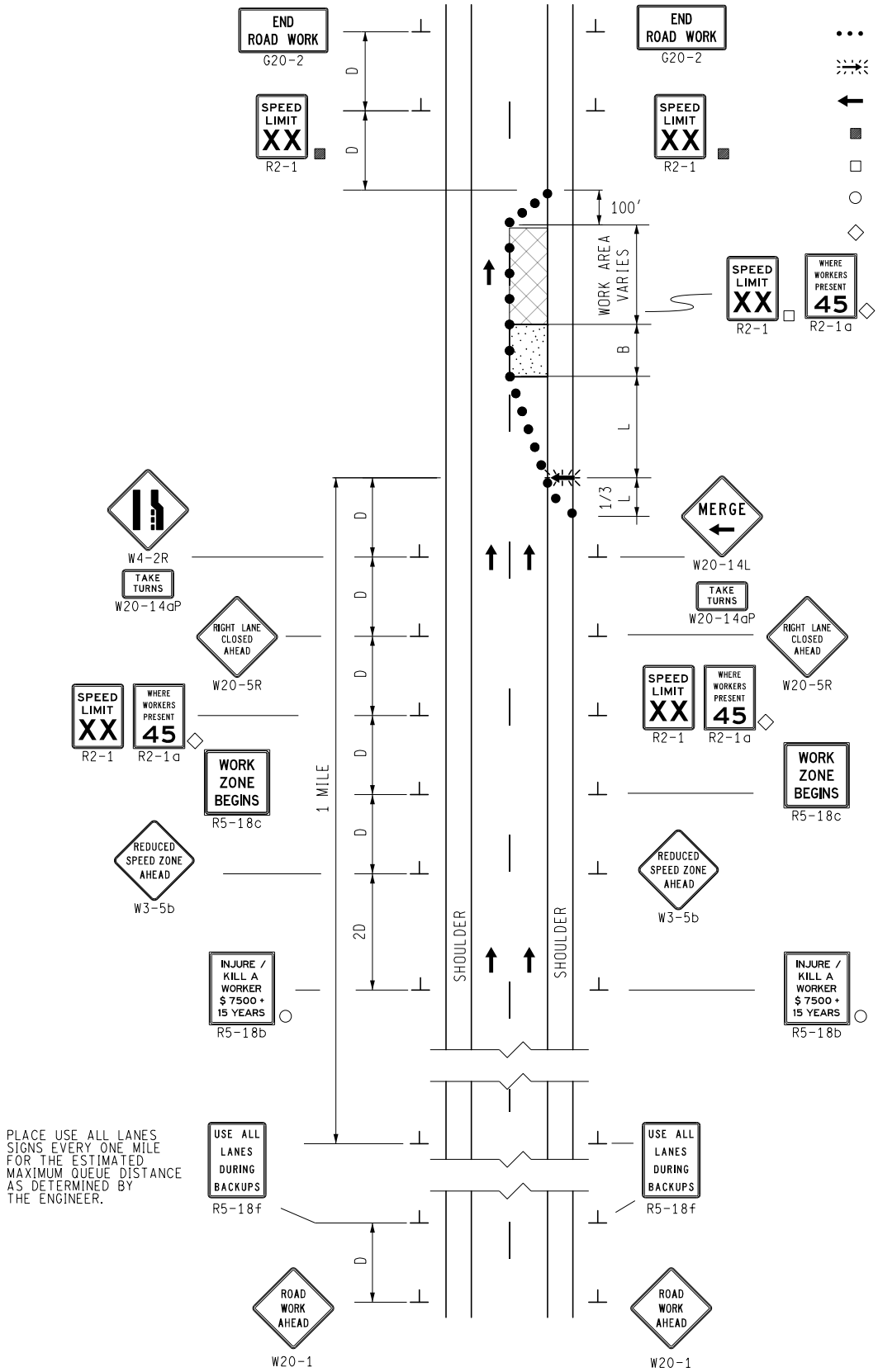
- • • • CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- ■ REFLECTS EXISTING SPEED LIMIT
- □ PLACE SIGN AS INDICATED IN NOTE S5
- ○ PLACE SIGN AS INDICATED IN NOTE S2
- ◇ R2-1a OPTIONAL

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S2, S3, S5, S6, S8, S11
DEVICES: TCD1, TCD2, TCD6

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL NO: 342-SP-ZIP-1LC-(L)-SHIFT	SINGLE LEFT LANE CLOSURE WITH SHIFT AND ZIPPER MERGE ON A 2-LANE FREEWAY	DATE: JUNE 2021 SHEET: 1 OF 1
FILE: 342-SP-ZIP-1LC-(L)-SHIFT.dgn				



PLACE USE ALL LANES SIGNS EVERY ONE MILE FOR THE ESTIMATED MAXIMUM QUEUE DISTANCE AS DETERMINED BY THE ENGINEER.

KEY

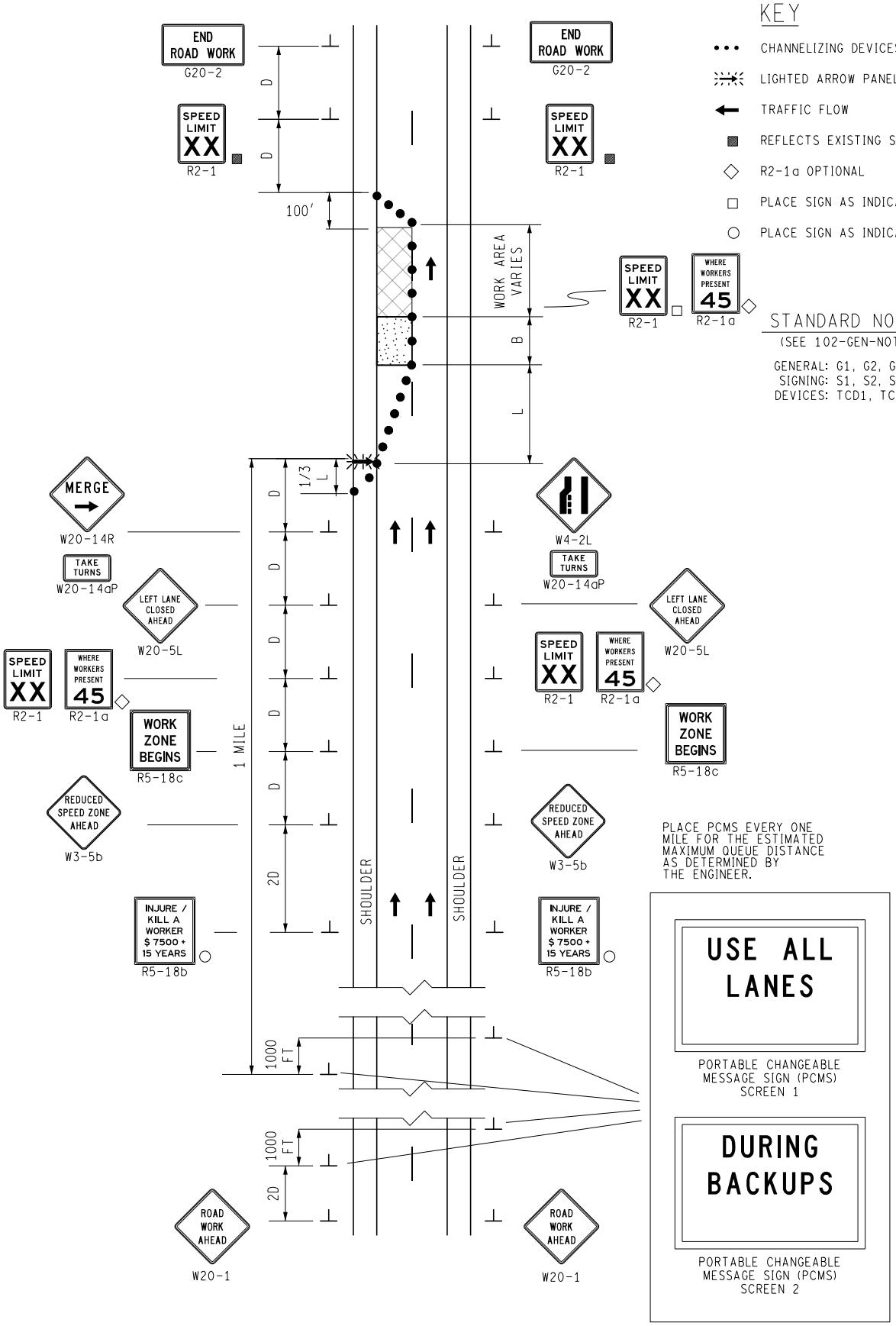
- • • • CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- ■ REFLECTS EXISTING SPEED LIMIT
- □ PLACE SIGN AS INDICATED IN NOTE S5
- ○ PLACE SIGN AS INDICATED IN NOTE S2
- ◇ R2-1a OPTIONAL

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S2, S3, S5, S6, S8
DEVICES: TCD1, TCD2, TCD6

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	SINGLE RIGHT LANE CLOSURE WITH ZIPPER MERGE ON A 2-LANE FREEWAY	DATE: MAY 2021
		NO: 343-SP-ZIP-1LC-(R)		SHEET: 1 OF 1
FILE: 343-SP-ZIP-1LC-(R).dgn				



KEY

- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- R2-1a OPTIONAL
- PLACE SIGN AS INDICATED IN NOTE S5
- PLACE SIGN AS INDICATED IN NOTE S2

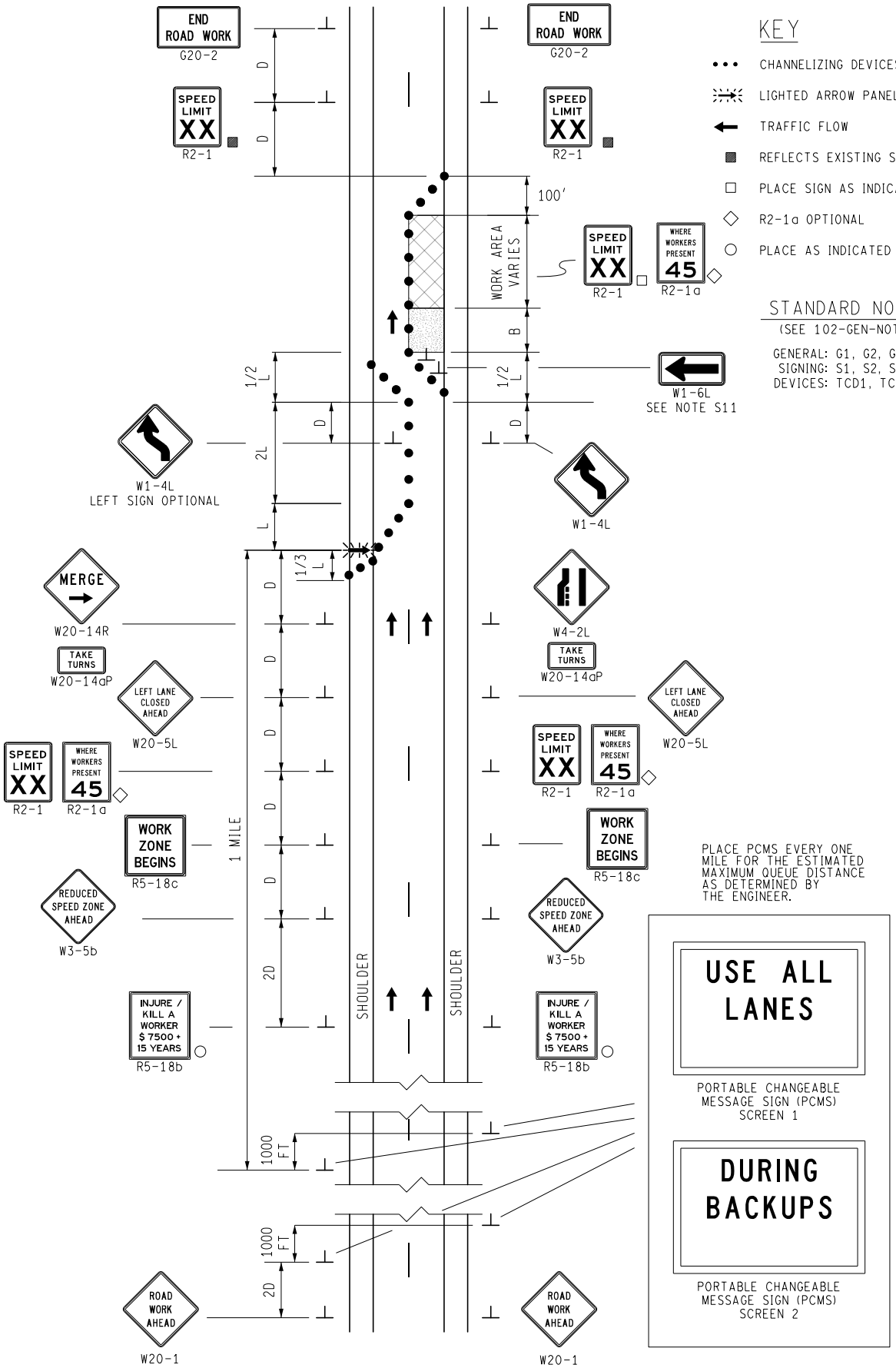
STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S2, S3, S5, S6, S8
DEVICES: TCD1, TCD2, TCD6

PLACE PCMS EVERY ONE MILE FOR THE ESTIMATED MAXIMUM QUEUE DISTANCE AS DETERMINED BY THE ENGINEER.

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	SINGLE LEFT LANE CLOSURE WITH PCMS ZIPPER MERGE ON A 2-LANE FREEWAY	DATE: MAY 2021
		NO: 344-SP-ZIP-1LC-PCMS		SHEET: 1 OF 1
FILE: 344-SP-ZIP-1LC-PCMS.dgn				



KEY

- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- PLACE SIGN AS INDICATED IN NOTE S5
- R2-1a OPTIONAL
- PLACE AS INDICATED IN NOTE S2

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S2, S3, S5, S6, S8, S11
DEVICES: TCD1, TCD2, TCD6, TCD10

PLACE PCMS EVERY ONE MILE FOR THE ESTIMATED MAXIMUM QUEUE DISTANCE AS DETERMINED BY THE ENGINEER.

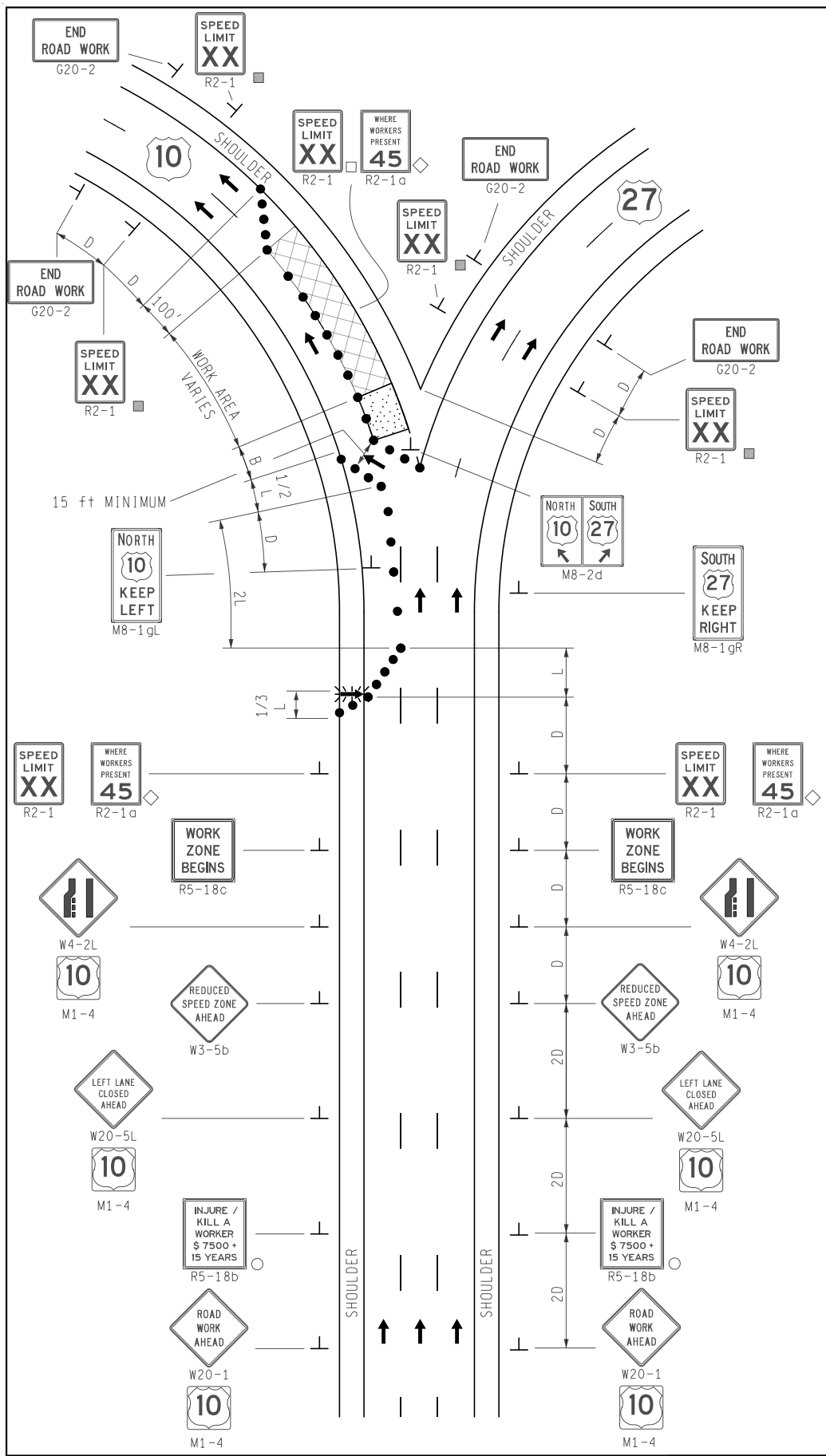
USE ALL LANES

PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) SCREEN 1

DURING BACKUPS

PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) SCREEN 2

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL NO: 345-SP-ZIP-1LC-SHIFT-PCMS	SINGLE LEFT LANE CLOSURE WITH SHIFT AND PCMS ZIPPER MERGE ON A 2-LANE FREEWAY	DATE: JUNE 2021 SHEET: 1 OF 1
FILE: 345-SP-ZIP-1LC-SHIFT-PCMS.dgn				



KEY

- • • • CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- ■ REFLECTS EXISTING SPEED LIMIT
- □ PLACE SIGN AS INDICATED IN NOTE S5
- ○ PLACE SIGN AS INDICATED IN NOTE S2
- ◇ R2-1a OPTIONAL

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S2, S3, S5, S6, S8
DEVICES: TCD1, TCD2, TCD6

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	SINGLE LANE CLOSURE IN ADVANCE OF GORE WITH SHIFT ON A 3-LANE FREEWAY	DATE: DECEMBER 2021
		NO: 350-SP-GORE-1LC-(L)		SHEET: 1 OF 1
FILE: 350-SP-GORE-1LC-(L).dgn				

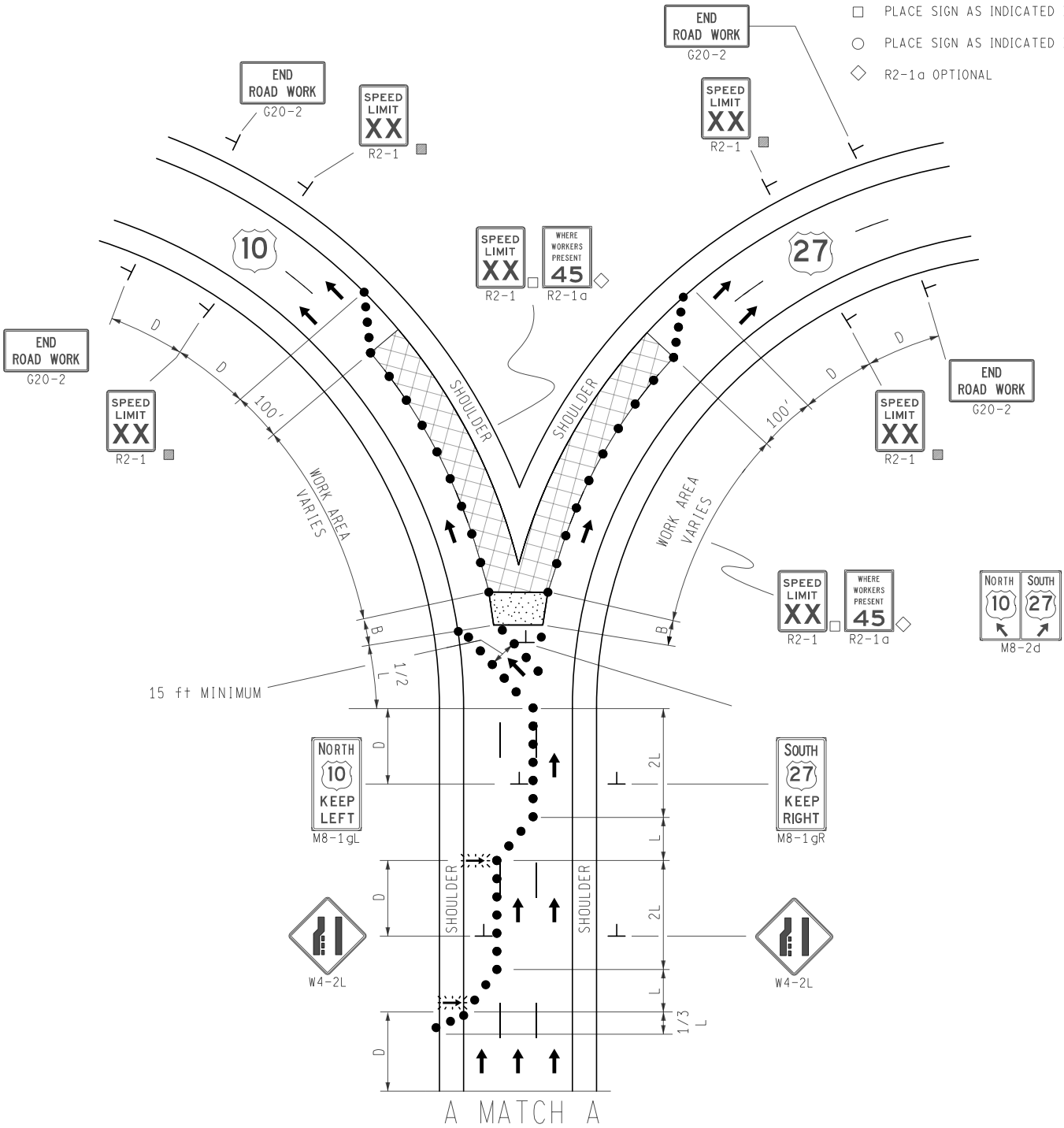
STANDARD NOTES

(SEE 102-GEN-NOTES)

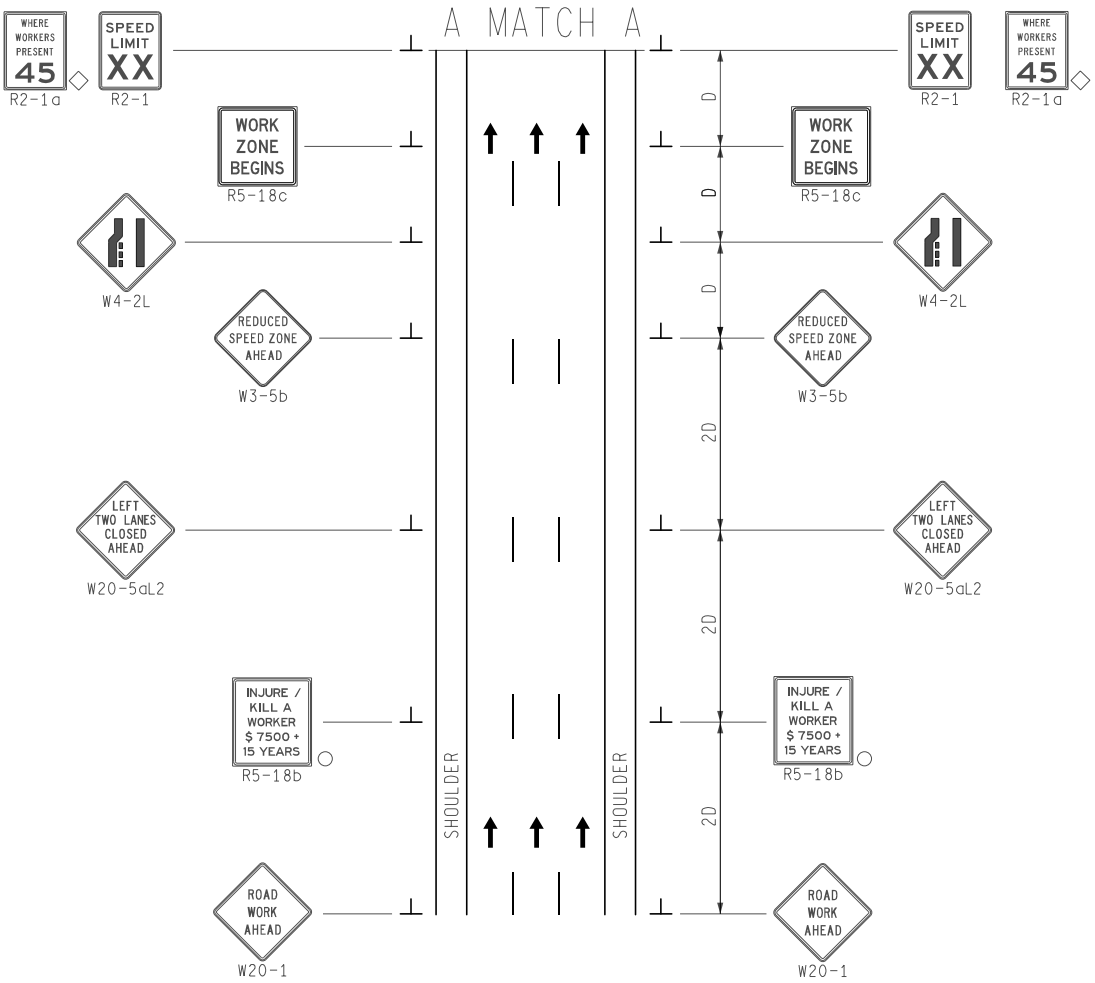
GENERAL: G1, G2, G3, G4, G5
SIGNING: S1, S2, S3, S5, S6, S8
DEVICES: TCD1, TCD2, TCD6

KEY

- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- PLACE SIGN AS INDICATED IN NOTE S5
- PLACE SIGN AS INDICATED IN NOTE S2
- R2-1a OPTIONAL



MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	2-LANE CLOSURE IN ADVANCE OF GORE WITH SHIFT ON A 3-LANE FREEWAY	DATE: DECEMBER 2021
		NO: 351-SP-GORE-2LC-(L)		SHEET: 1 OF 2
FILE: 351-SP-GORE-2LC-(L).dgn				



MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	2-LANE CLOSURE IN ADVANCE OF GORE WITH SHIFT ON A 3-LANE FREEWAY	DATE: DECEMBER 2021
		NO: 351-SP-GORE-2LC-(L)		SHEET: 2 OF 2
FILE: 351-SP-GORE-2LC-(L).dgn				

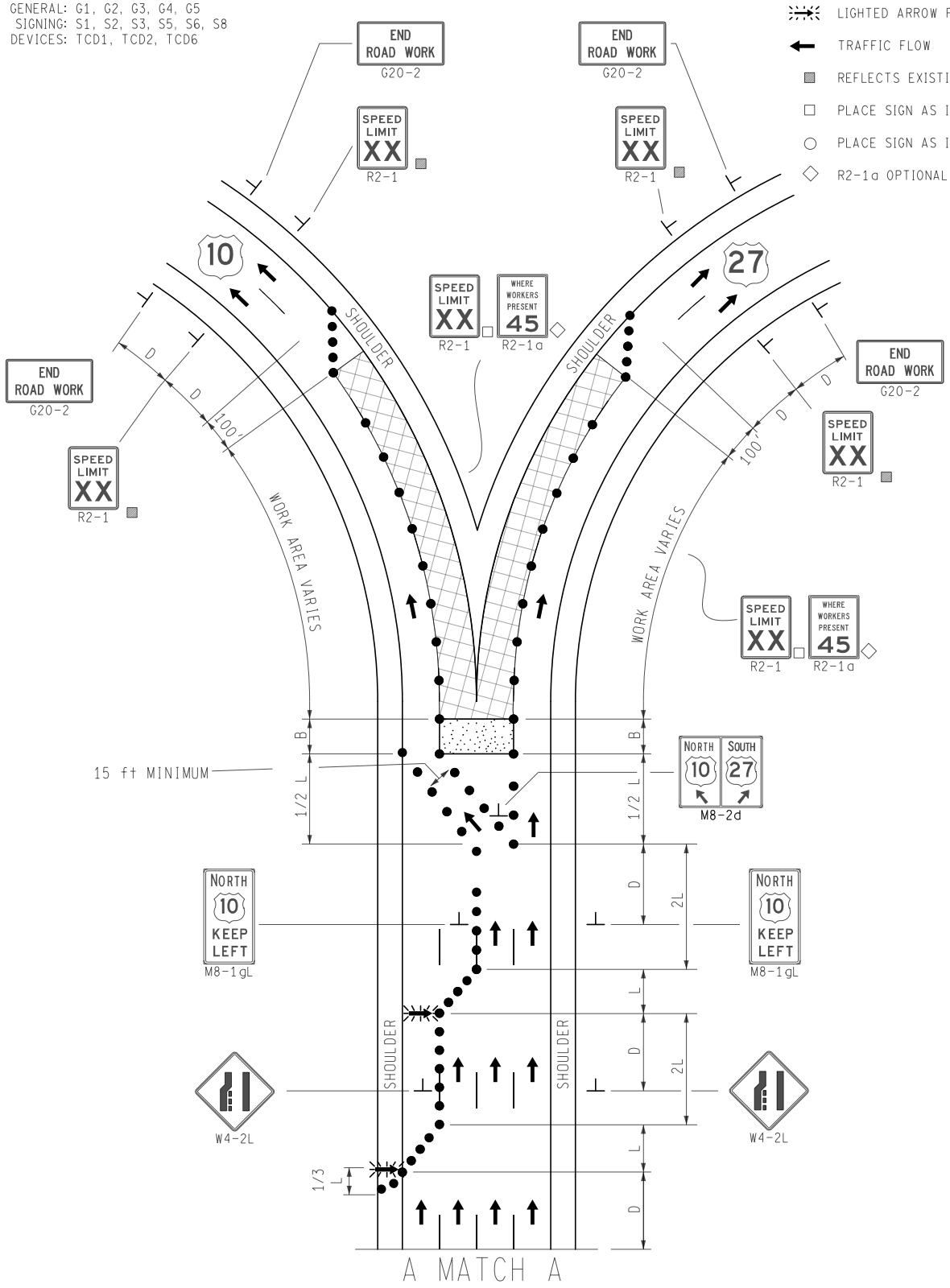
STANDARD NOTES

(SEE 102-GEN-NOTES)

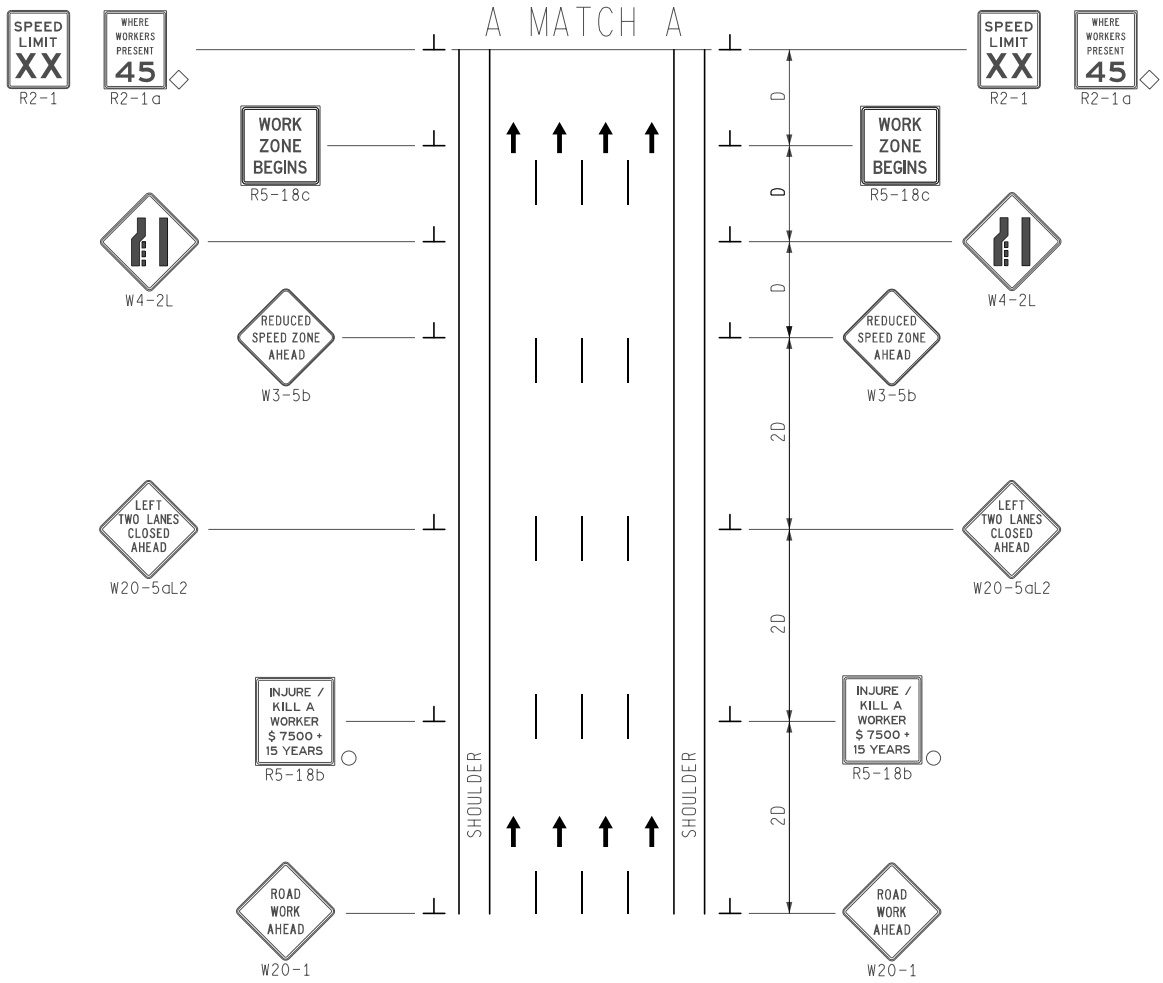
GENERAL: G1, G2, G3, G4, G5
SIGNING: S1, S2, S3, S5, S6, S8
DEVICES: TCD1, TCD2, TCD6

KEY

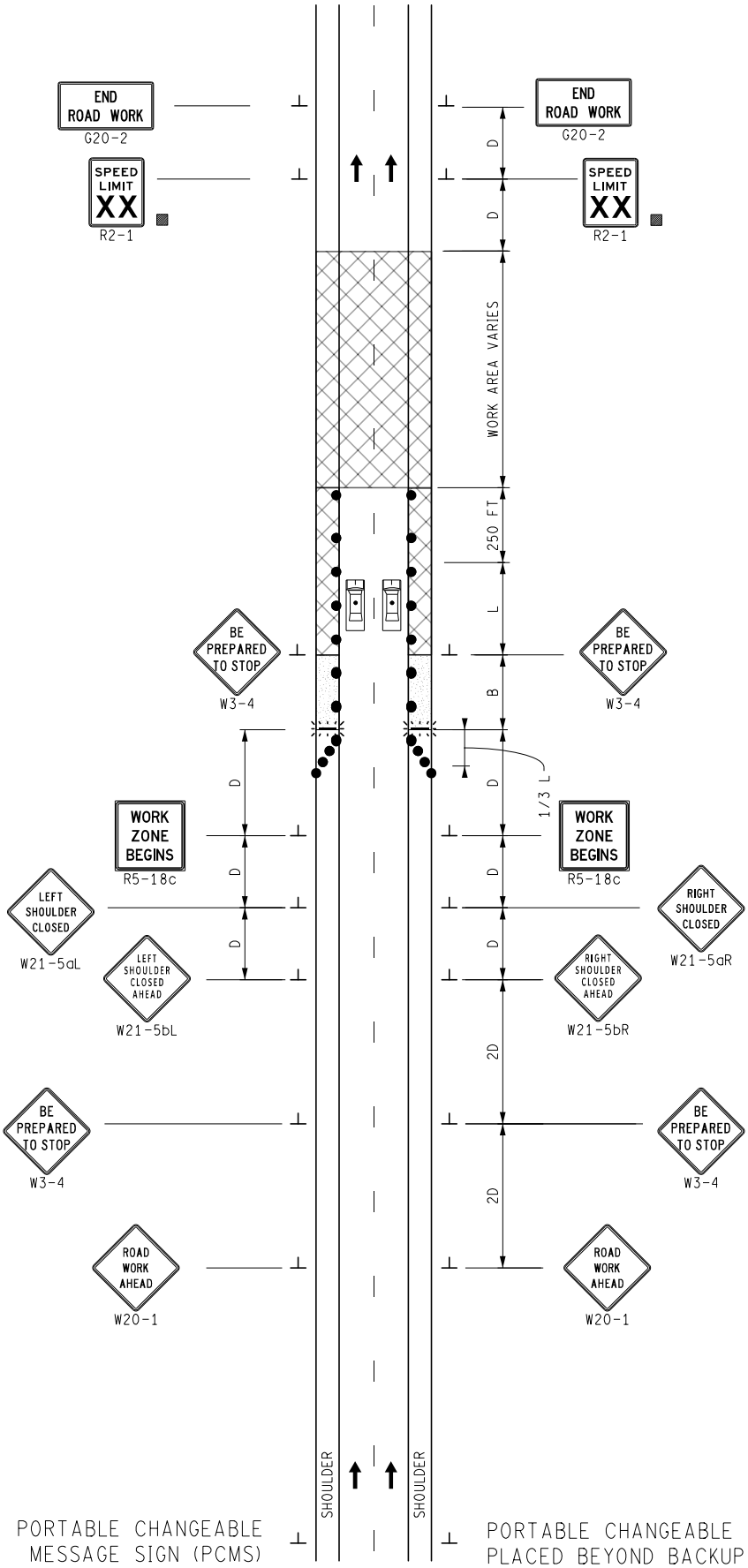
- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- PLACE SIGN AS INDICATED IN NOTE S5
- PLACE SIGN AS INDICATED IN NOTE S2
- R2-1a OPTIONAL



MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	2-LANE CLOSURE IN ADVANCE OF GORE WITH SHIFT ON A 4-LANE FREEWAY	DATE: NOVEMBER 2021
		NO: 352-SP-GORE(4)-2LC-(L)		SHEET: 1 OF 2
FILE: 352-SP-GORE(4)-2LC-(L).dgn				



MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	2-LANE CLOSURE IN ADVANCE OF GORE WITH SHIFT ON A 4-LANE FREEWAY	DATE: NOVEMBER 2021
		NO: 352-SP-GORE(4)-2LC-(L)		SHEET: 2 OF 2
FILE: 352-SP-GORE(4)-2LC-(L).dgn				



KEY

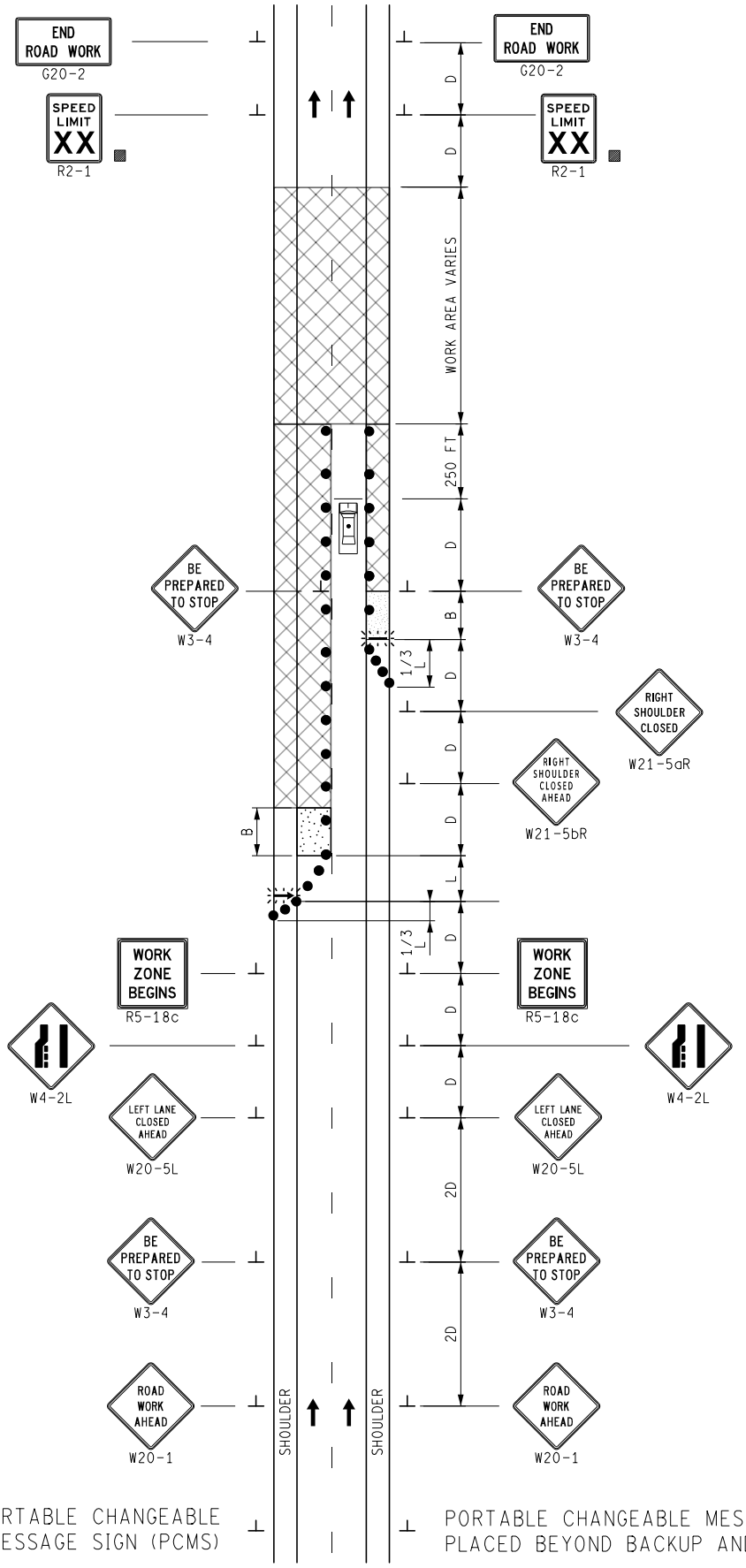
- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- PLACE SIGN AS INDICATED IN NOTE S5
- PLACE SIGN AS INDICATED IN NOTE S2
- R2-1a OPTIONAL
- POLICE VEHICLE WITH LIGHT BAR OR CONSTRUCTION VEHICLE WITH PERMANENTLY AFFIXED ROTATING BEACON OR STROBE LIGHT

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S2, S3, S4, S5, S6
TRAF REG: TR1, TR2
DEVICES TCD1, TCD2, TCD10

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL NO: 360-SP-ROLL	ROLLING ROADBLOCK ON A TWO LANE FREEWAY	DATE: MAY 2021 SHEET: 1 OF 1
FILE: 360-SP-ROLL.dgn				



KEY

- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- POLICE VEHICLE WITH LIGHT BAR OR CONSTRUCTION VEHICLE WITH PERMANENTLY AFFIXED ROTATING BEACON OR STROBE LIGHT

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S2, S3, S4, S5, S6
TRAF REG: TR1, TR2
DEVICES TCD1, TCD2, TCD10

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	ROLLING ROADBLOCK ON A TWO LANE FREEWAY WITH A LANE CLOSURE	DATE: MAY 2021
		NO: 361-SP-ROLL-LC		SHEET: 1 OF 1
FILE: 361-SP-ROLL-LC.dgn				

MDOT
Michigan Department of Transportation

MAINTENANCE MAINTAINING TRAFFIC TYPICALS

MDOT Michigan Department of Transportation		COVER SHEET	COVER SHEET	DATE: JUNE 2021
		NO:		SHEET:
FILE: Cover for Maintenance.dgn				1 OF 1

NOTES

1. FOR SHORT-DURATION OR MOBILE OPERATIONS, NO SIGNS ARE REQUIRED IF APPROPRIATELY EQUIPPED VEHICLES ARE USED.
2. IF THE OPERATION HAS VEHICLE(S) PARKED ON THE SHOULDER OR VEHICLES ACCESSING THE WORK SITE VIA THE HIGHWAY OR CROSSING THE HIGHWAY TO PERFORM OPERATIONS, A "ROAD WORK AHEAD" SIGN OR AN ARROW BOARD IN CAUTION MODE SHALL BE USED.
3. WORK VEHICLES SHOULD BE PARKED AS FAR OFF THE TRAVELED WAY AS PRACTICAL.
4. IF THE WORK SPACE IS IN THE MEDIAN OF A DIVIDED ROADWAY, ADVANCE WARNING SIGNS SHALL BE PLACED IN BOTH DIRECTIONS OF TRAVEL.
5. VEHICLES AND PERSONNEL SHOULD ALL BE LOCATED AND PARKED ON THE SAME SIDE OF THE ROADWAY TO THE EXTENT PRACTICAL.

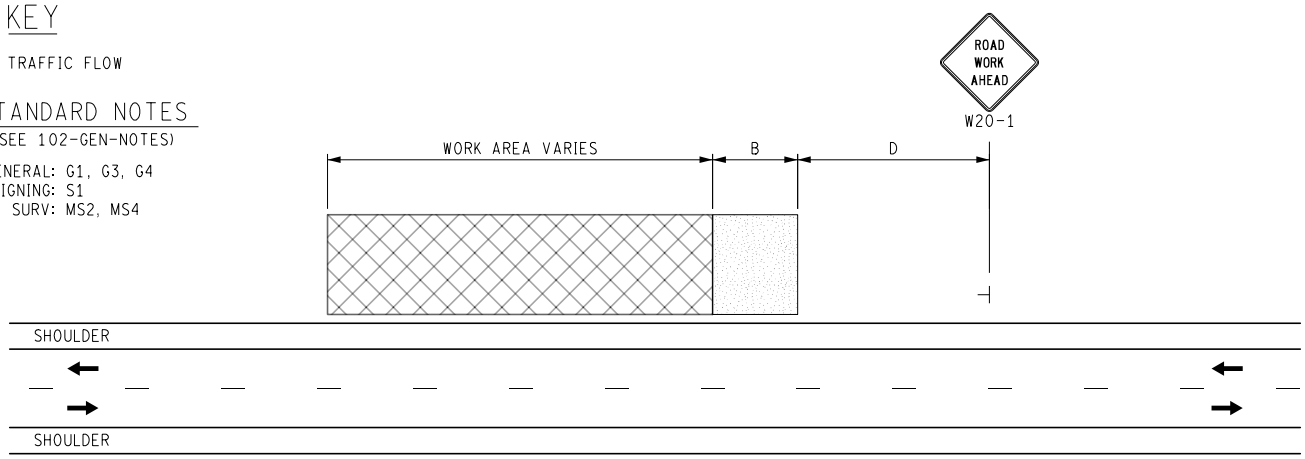
KEY

← TRAFFIC FLOW

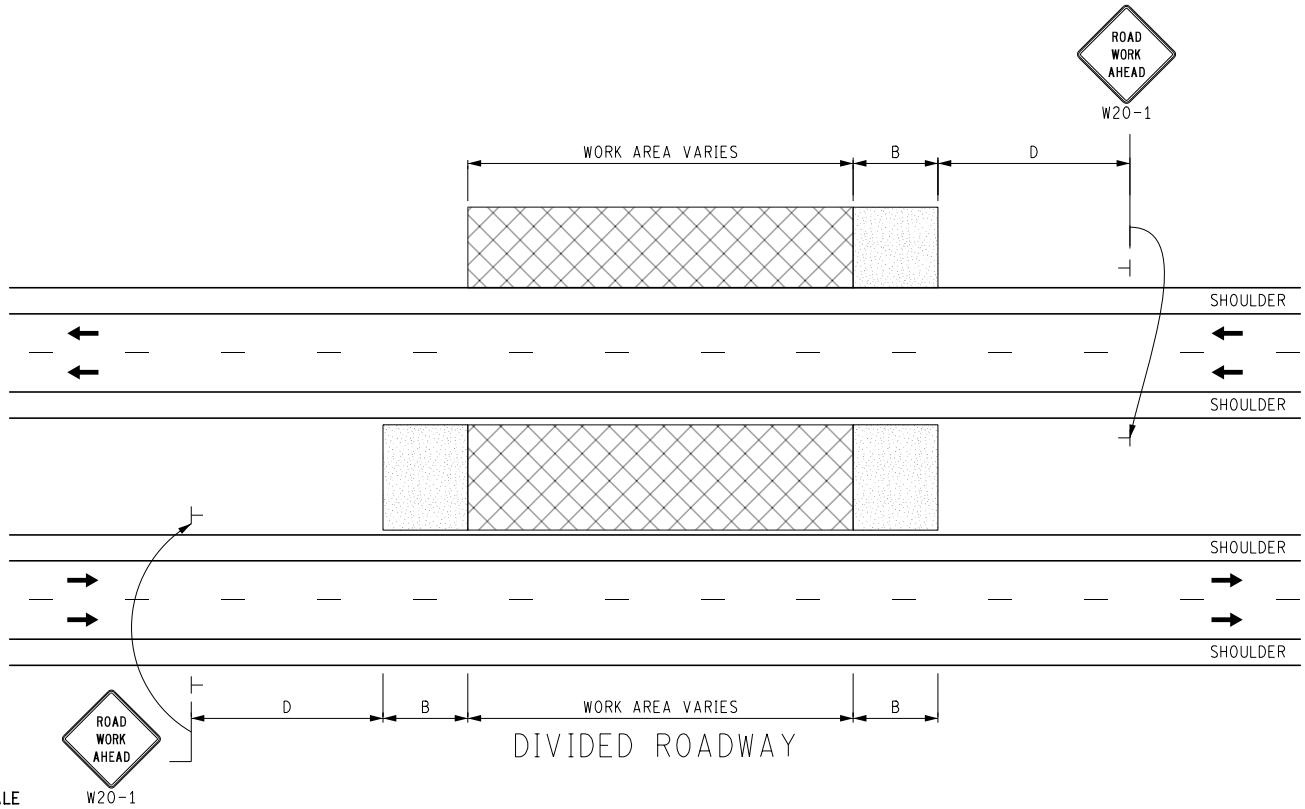
STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G3, G4
SIGNING: S1
MAINT & SURV: MS2, MS4



TWO LANE, TWO WAY ROADWAY



DIVIDED ROADWAY

NOT TO SCALE

MDOT Michigan Department of Transportation	MAINTENANCE MAINTAINING TRAFFIC TYPICAL	DURATION: ALL	**WORK OUTSIDE SHOULDER**	DATE: MAY 2021
				NO: 4000-M-SHL-OUT
FILE: 4000-M-SHL-OUT.dgn				SHEET: 1 OF 1

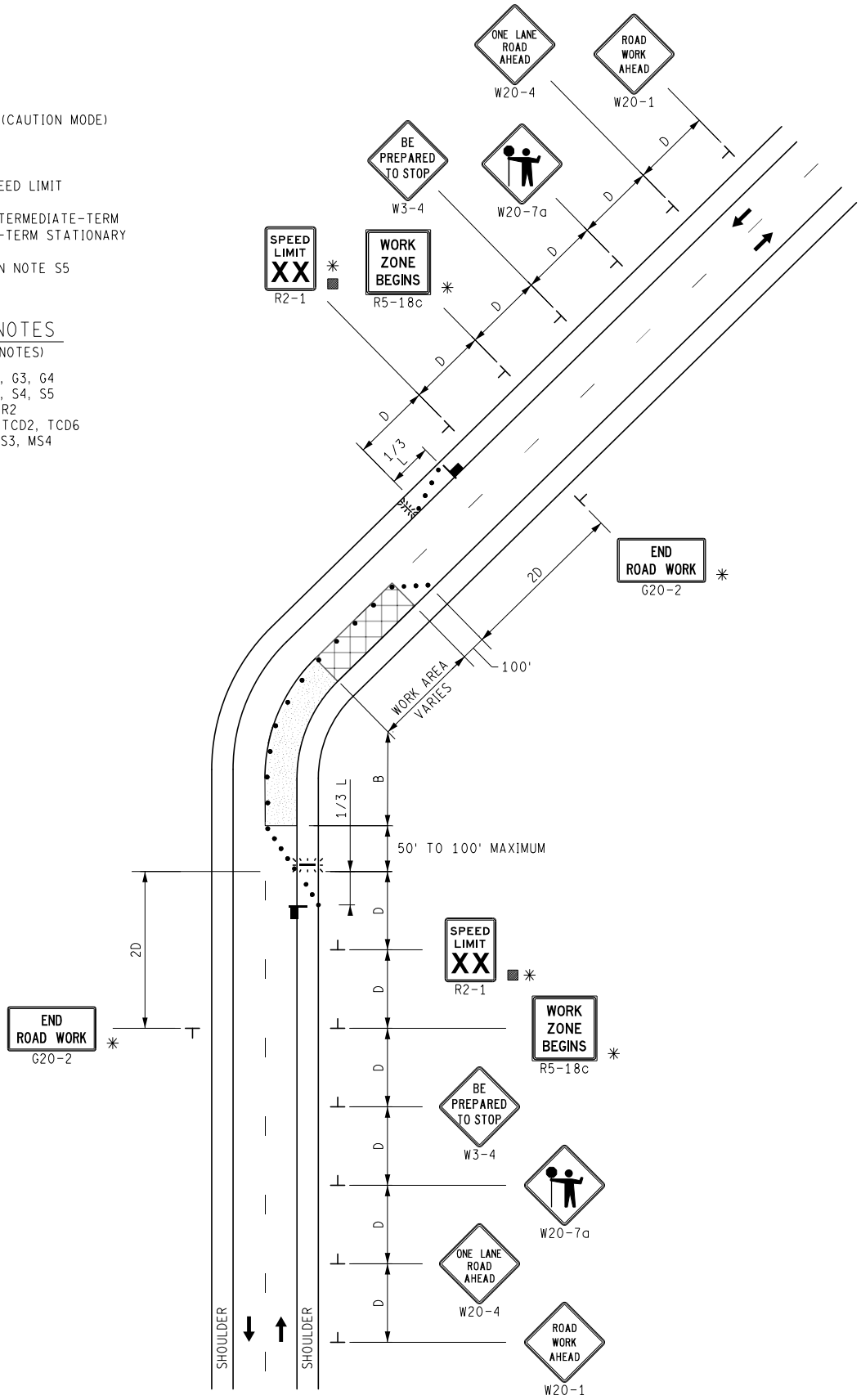
KEY

- TRAFFIC REGULATOR
- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL (CAUTION MODE)
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- ✳ ONLY REQUIRED FOR INTERMEDIATE-TERM STATIONARY AND LONG-TERM STATIONARY
- PLACE AS INDICATED IN NOTE S5

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S3, S4, S5
TRAF REG: TR1, TR2
DEVICES: TCD1, TCD2, TCD6
MAINT & SURV: MS2, MS3, MS4



NOT TO SCALE

MDOT Michigan Department of Transportation	MAINTENANCE MAINTAINING TRAFFIC TYPICAL	DURATION: LONG-TERM STATIONARY INTERMEDIATE-TERM STATIONARY SHORT-TERM STATIONARY	LANE CLOSURE FOR A TWO-LANE, TWO-WAY ROADWAY UTILIZING TRAFFIC REGULATORS NO SPEED REDUCTION	DATE: MAY 2021 NO: 4110A-M-TR-NFW-2L SHEET: 1 OF 1
FILE: 4110A-M-TR-NFW-2L.dgn				

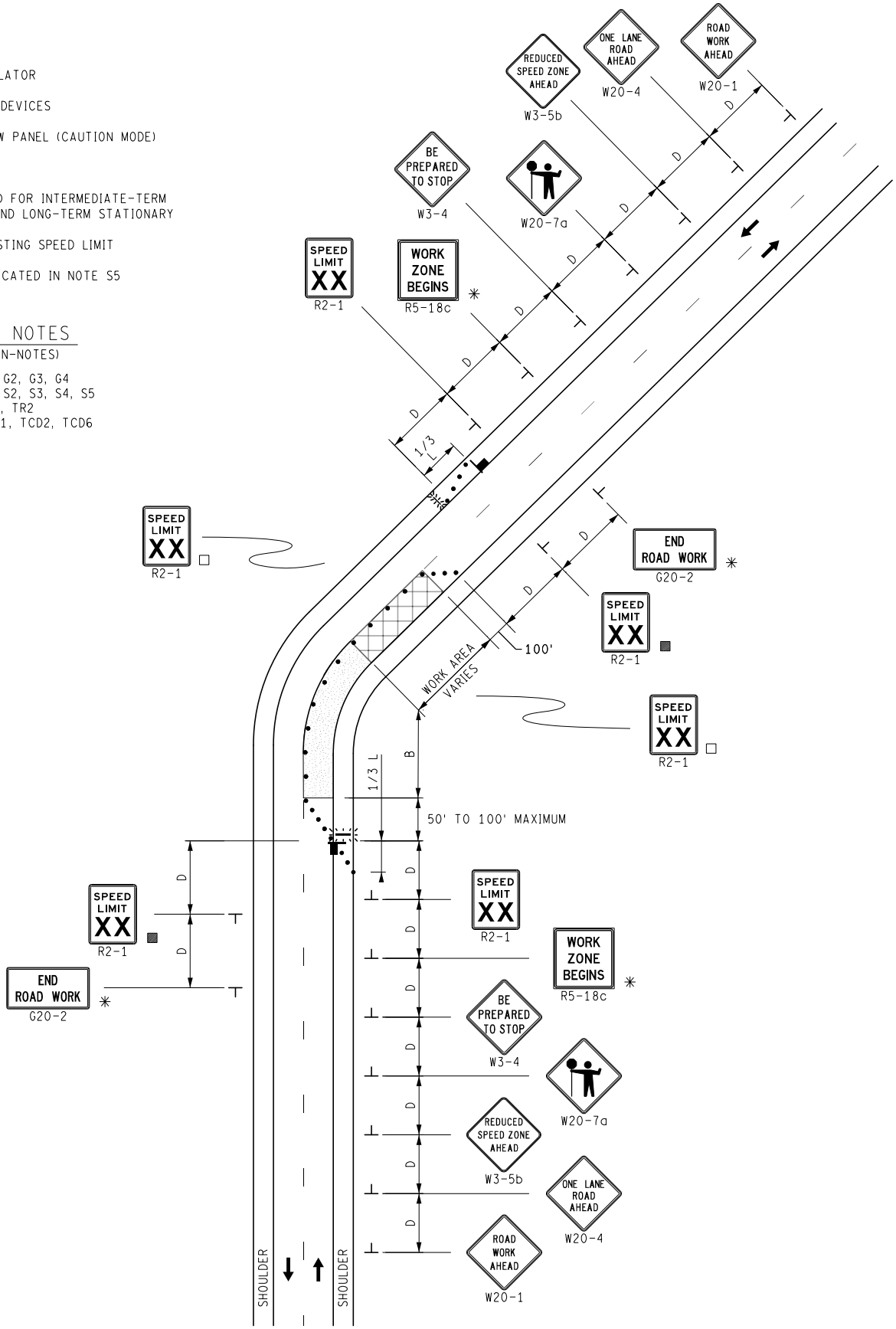
KEY

- TRAFFIC REGULATOR
- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL (CAUTION MODE)
- TRAFFIC FLOW
- ✳ ONLY REQUIRED FOR INTERMEDIATE-TERM STATIONARY AND LONG-TERM STATIONARY
- ■ REFLECTS EXISTING SPEED LIMIT
- □ PLACE AS INDICATED IN NOTE S5

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S2, S3, S4, S5
TRAF REG: TR1, TR2
DEVICES: TCD1, TCD2, TCD6



NOT TO SCALE

MDOT Michigan Department of Transportation	MAINTENANCE MAINTAINING TRAFFIC TYPICAL	DURATION: LONG-TERM STATIONARY INTERMEDIATE-TERM STATIONARY SHORT-TERM STATIONARY	LANE CLOSURE FOR A TWO-LANE, TWO-WAY ROADWAY UTILIZING TRAFFIC REGULATORS WITH A MAXIMUM 10 MPH SPEED REDUCTION	DATE: MAY 2021 NO: 4110B-M-TR-NFW-2L SHEET: 1 OF 1
FILE: 4110B-M-TR-NFW-2L.dgn				

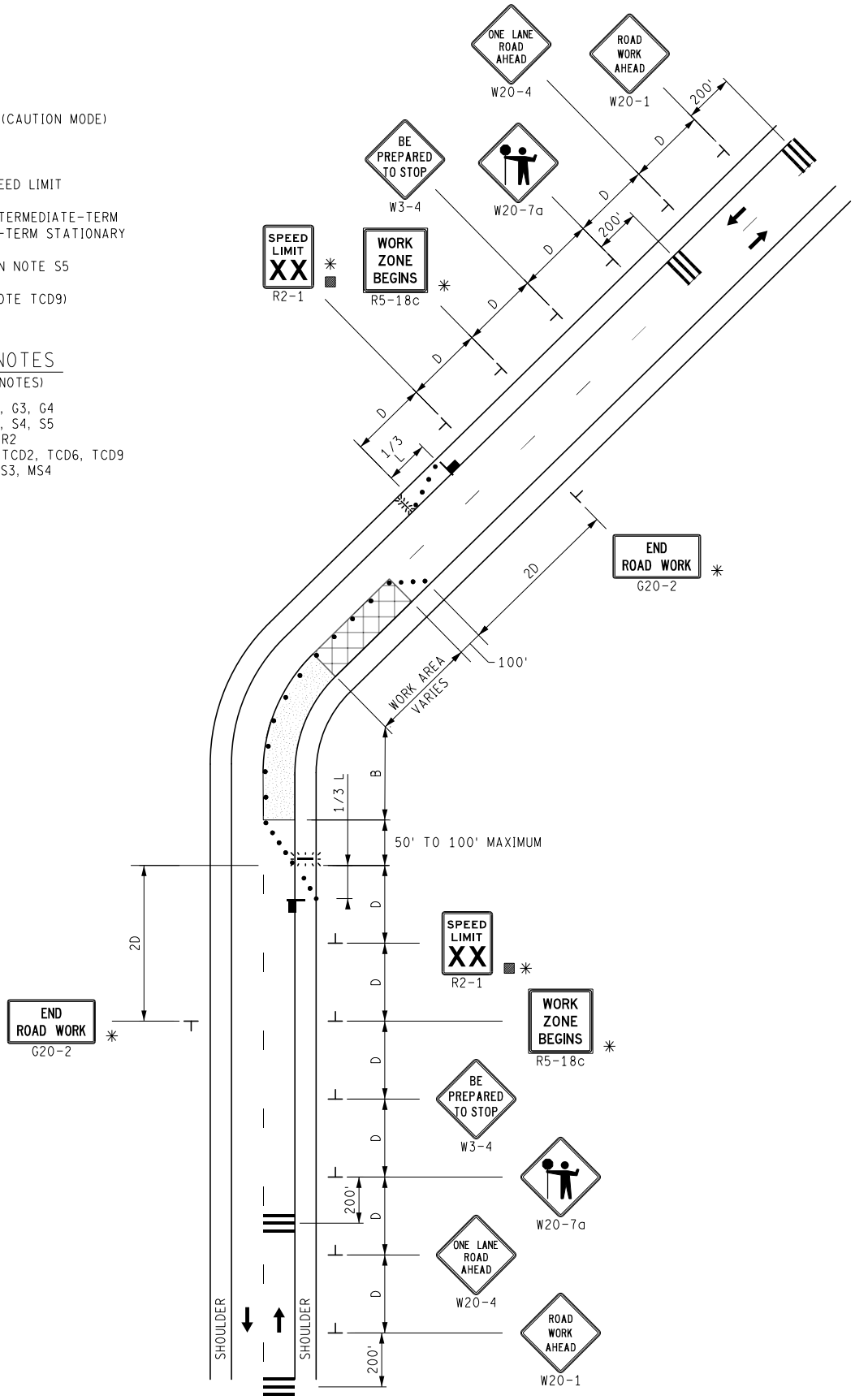
KEY

- TRAFFIC REGULATOR
- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL (CAUTION MODE)
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- ✳ ONLY REQUIRED FOR INTERMEDIATE-TERM STATIONARY AND LONG-TERM STATIONARY
- PLACE AS INDICATED IN NOTE S5
- RUMBLE STRIPS (SEE NOTE TCD9)

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S3, S4, S5
TRAF REG: TR1, TR2
DEVICES: TCD1, TCD2, TCD6, TCD9
MAINT & SURV: MS2, MS3, MS4



NOT TO SCALE

MDOT Michigan Department of Transportation	MAINTENANCE MAINTAINING TRAFFIC TYPICAL	DURATION: LONG-TERM STATIONARY INTERMEDIATE-TERM STATIONARY SHORT-TERM STATIONARY	LANE CLOSURE FOR A TWO-LANE, TWO-WAY ROADWAY UTILIZING TRAFFIC REGULATORS, RUMBLE STRIPS, AND NO SPEED REDUCTION	DATE: JUNE 2021
				NO: 4111A-M-TR-NFW-2L-RUM
FILE: 4111A-M-TR-NFW-2L-RUM.dgn				SHEET: 1 OF 1

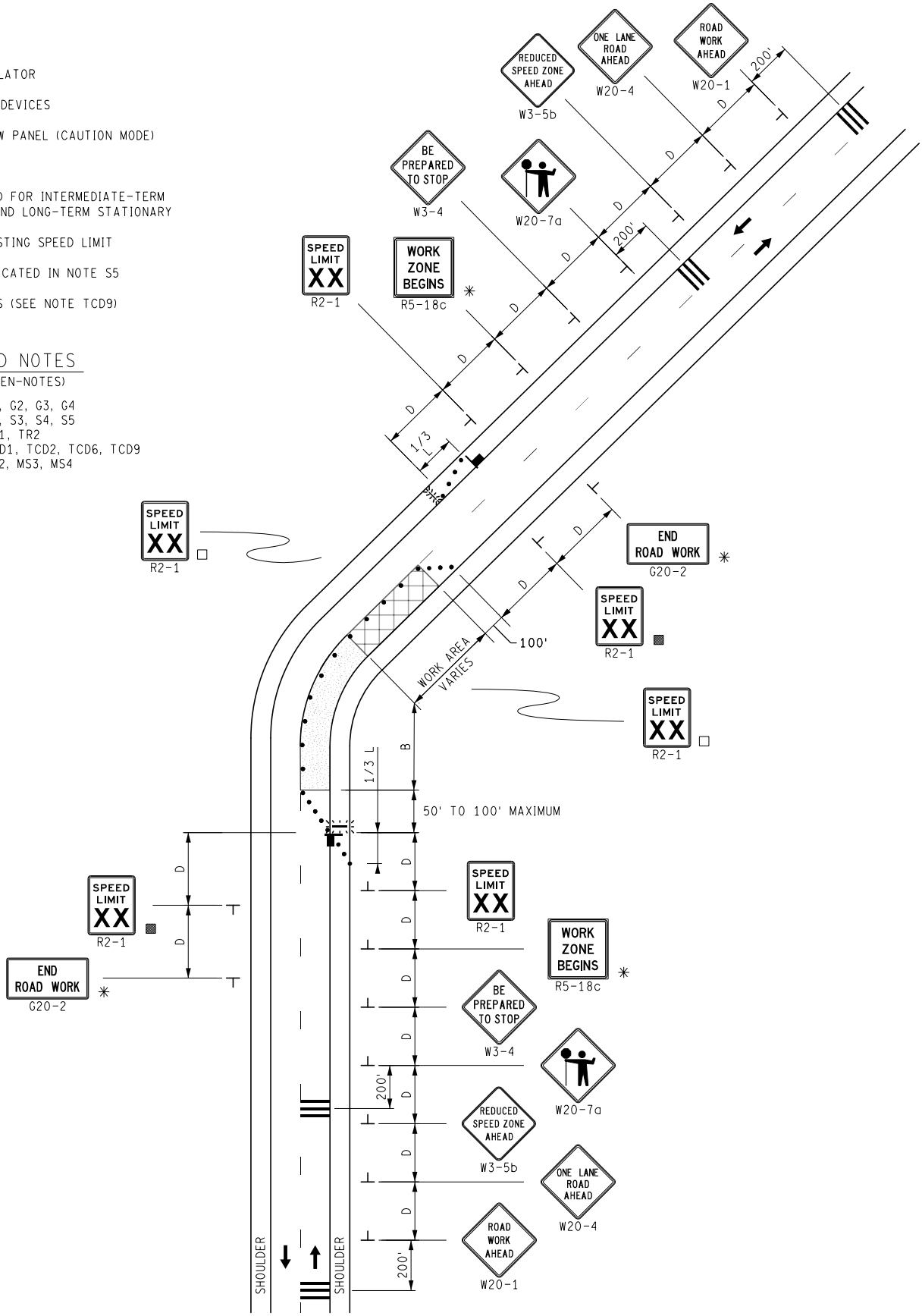
KEY

- TRAFFIC REGULATOR
- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL (CAUTION MODE)
- TRAFFIC FLOW
- ✳ ONLY REQUIRED FOR INTERMEDIATE-TERM STATIONARY AND LONG-TERM STATIONARY
- ■ REFLECTS EXISTING SPEED LIMIT
- □ PLACE AS INDICATED IN NOTE S5
- RUMBLE STRIPS (SEE NOTE TCD9)

STANDARD NOTES

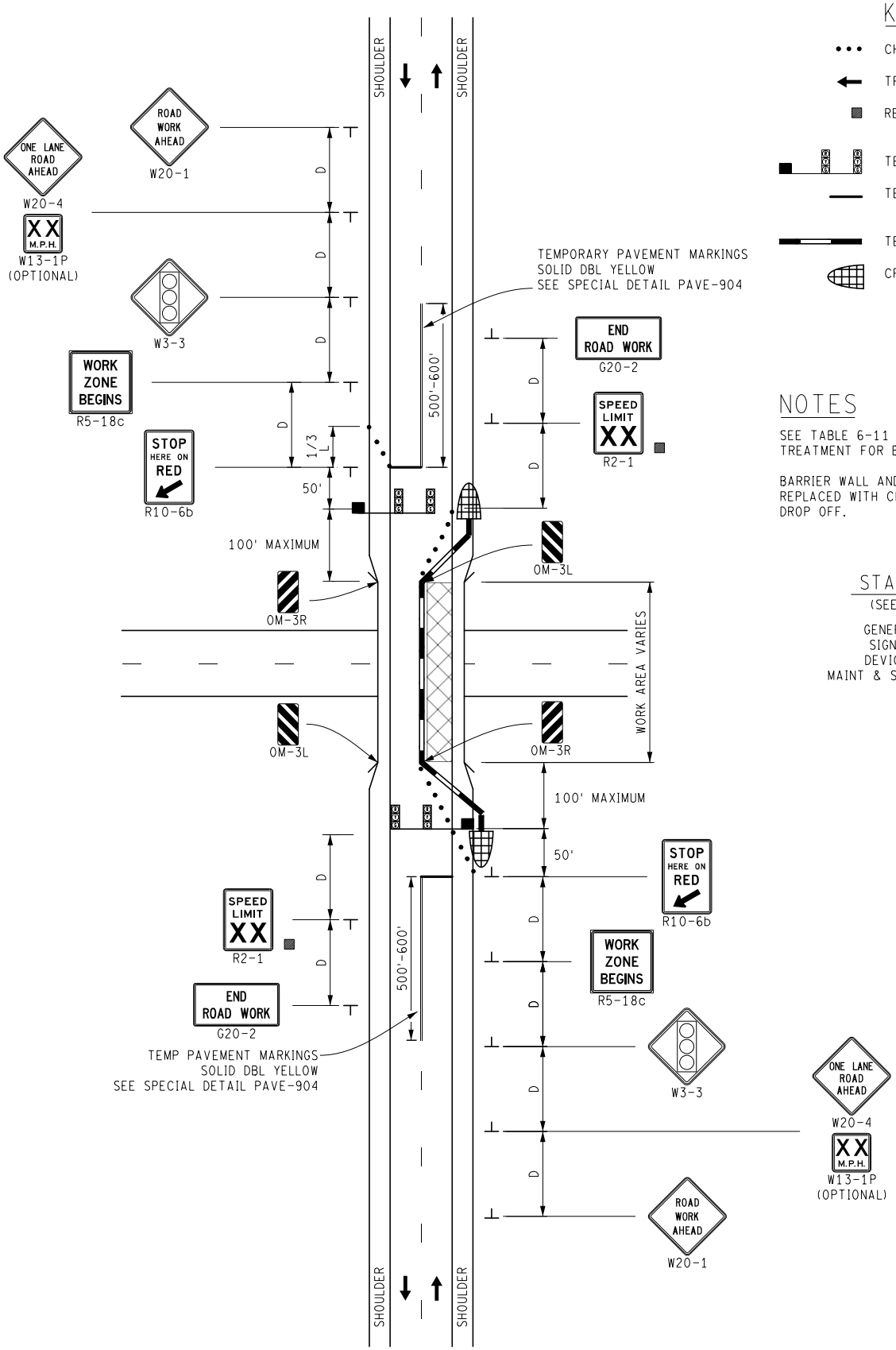
(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S3, S4, S5
TRAF REG: TR1, TR2
DEVICES: TCD1, TCD2, TCD6, TCD9
MAINT & SURV: MS2, MS3, MS4



NOT TO SCALE

MDOT Michigan Department of Transportation	MAINTENANCE MAINTAINING TRAFFIC TYPICAL	DURATION: LONG-TERM STATIONARY INTERMEDIATE-TERM STATIONARY SHORT-TERM STATIONARY	LANE CLOSURE FOR A TWO-LANE, TWO WAY ROADWAY UTILIZING TRAFFIC REGULATORS AND RUMBLE STRIPS WITH A MAXIMUM 10 MPH SPEED REDUCTION	DATE: JUNE 2021
				NO: 4111B-M-TR-NFW-2L-RUM
FILE: 4111B-M-TR-NFW-2L-RUM.dgn				SHEET: 1 OF 1



KEY

- CHANNELIZING DEVICES
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- TEMPORARY TRAFFIC SIGNAL
- TEMPORARY PAVEMENT MARKING (SOLID 24" STOP BAR)
- TEMPORARY CONCRETE BARRIER WALL
- CRASH ATTENUATOR

NOTES

SEE TABLE 6-11 IN DESIGN MANUAL, EDGE DROP TREATMENT FOR BARRIER WALL USAGE GUIDELINES.

BARRIER WALL AND OM-3 SIGNS MAY BE REMOVED AND REPLACED WITH CHANNELIZING DEVICES IF THERE IS NO DROP OFF.

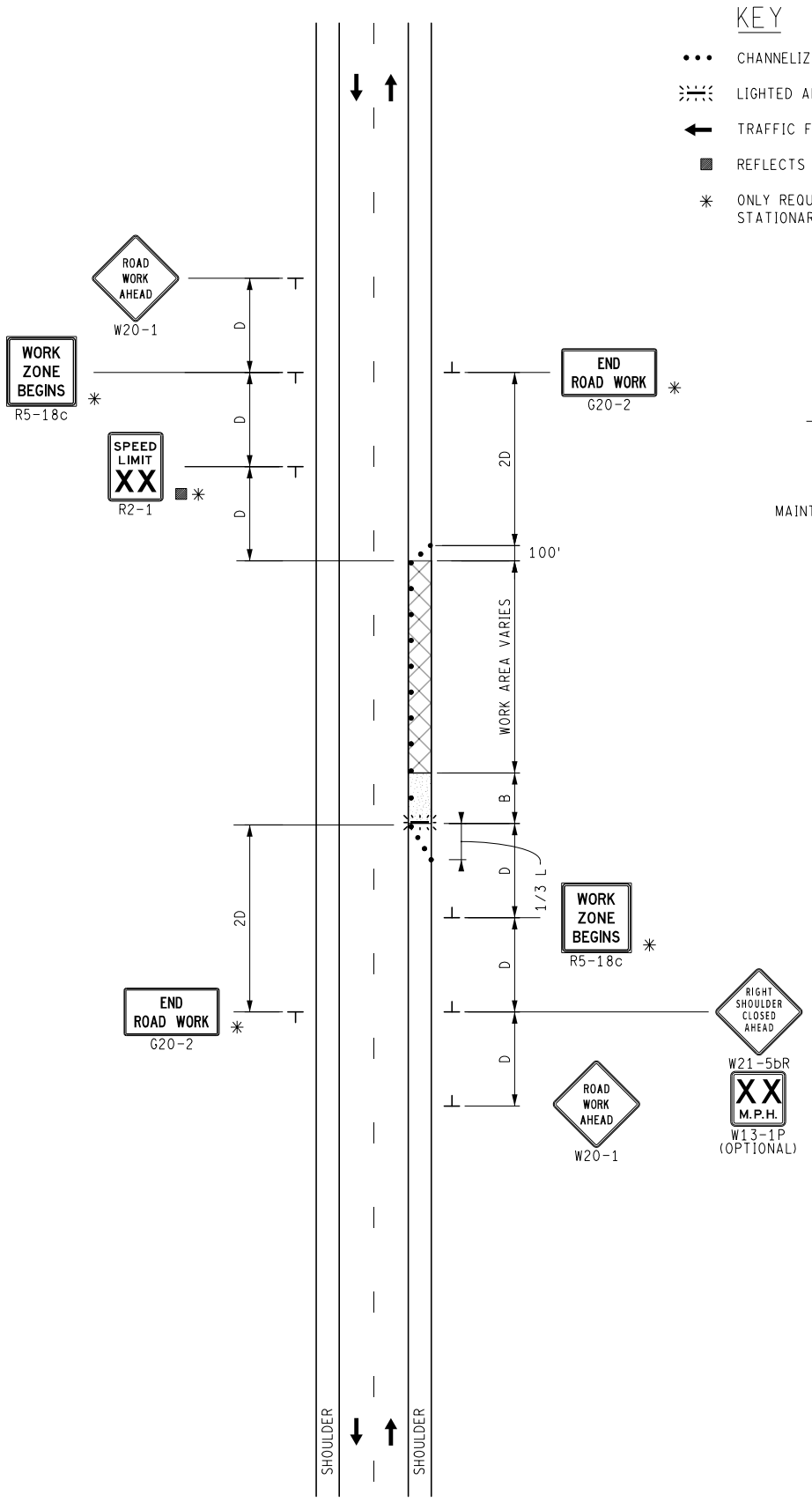
STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G5
SIGNING: S1, S3, S4
DEVICES: TCD1, TCD5
MAINT & SURV MS2, MS3, MS4

NOT TO SCALE

MDOT Michigan Department of Transportation	MAINTENANCE MAINTAINING TRAFFIC TYPICAL	DURATION: LONG-TERM STATIONARY INTERMEDIATE-TERM STATIONARY	TEMPORARY TRAFFIC SIGNAL ON A TWO-LANE, TWO-WAY ROADWAY NO SPEED REDUCTION (WITH TEMPORARY BARRIER WALL)	DATE: MAY 2021
				NO: 4121-M-TS
FILE: 4121-M-TS.dgn				SHEET: 1 OF 1



KEY

- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL (CAUTION MODE)
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- ✳ ONLY REQUIRED FOR INTERMEDIATE-TERM STATIONARY AND LONG-TERM STATIONARY

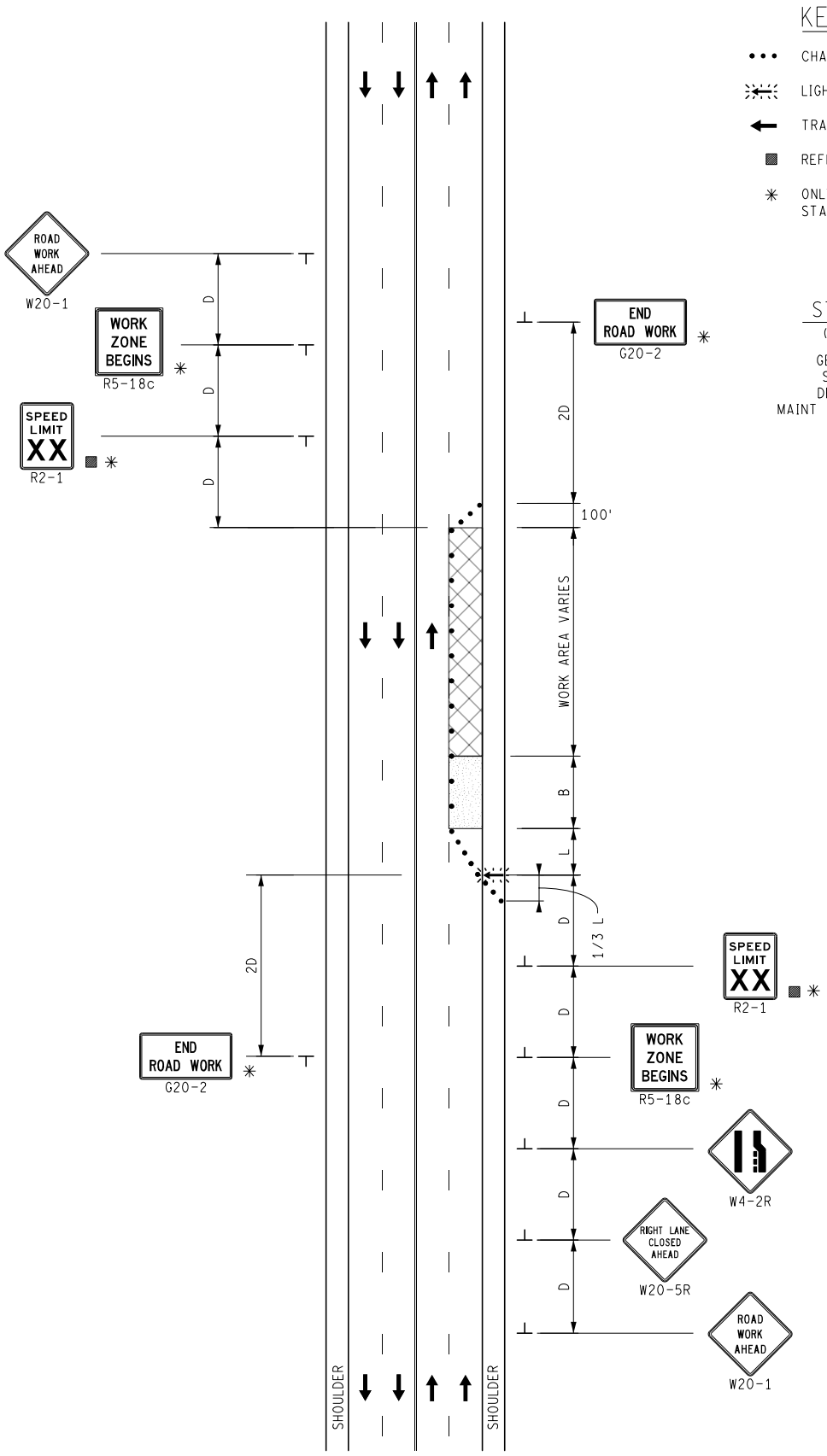
STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S3
DEVICES: TCD1, TCD2, TCD6
MAINT & SURV: MS2, MS3, MS4

NOT TO SCALE

MDOT Michigan Department of Transportation	MAINTENANCE MAINTAINING TRAFFIC TYPICAL	DURATION: SHORT-TERM STATIONARY, SHORT DURATION LONG-TERM STATIONARY INTERMEDIATE-TERM STATIONARY	**SHOULDER CLOSURE ON A TWO-LANE, TWO-WAY ROADWAY**	DATE: MAY 2021 NO: 4122-M-NFW-SHL SHEET: 1 OF 1
FILE: 4122-M-NFW-SHL.dgn				



KEY

- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- ✳ ONLY REQUIRED FOR INTERMEDIATE-TERM STATIONARY AND LONG-TERM STATIONARY

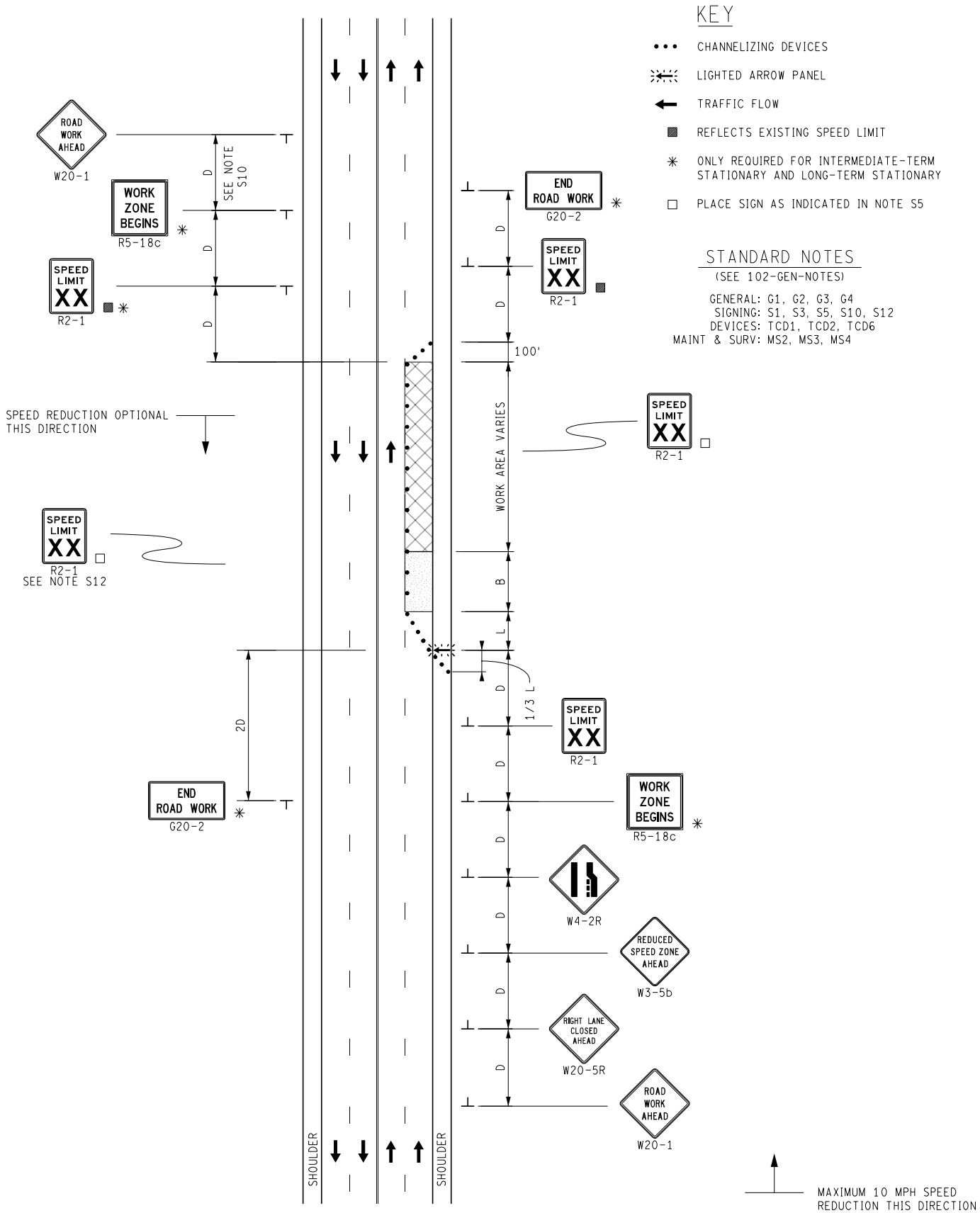
STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S3
DEVICES: TCD1, TCD2, TCD6
MAINT & SURV MS2, MS3, MS4

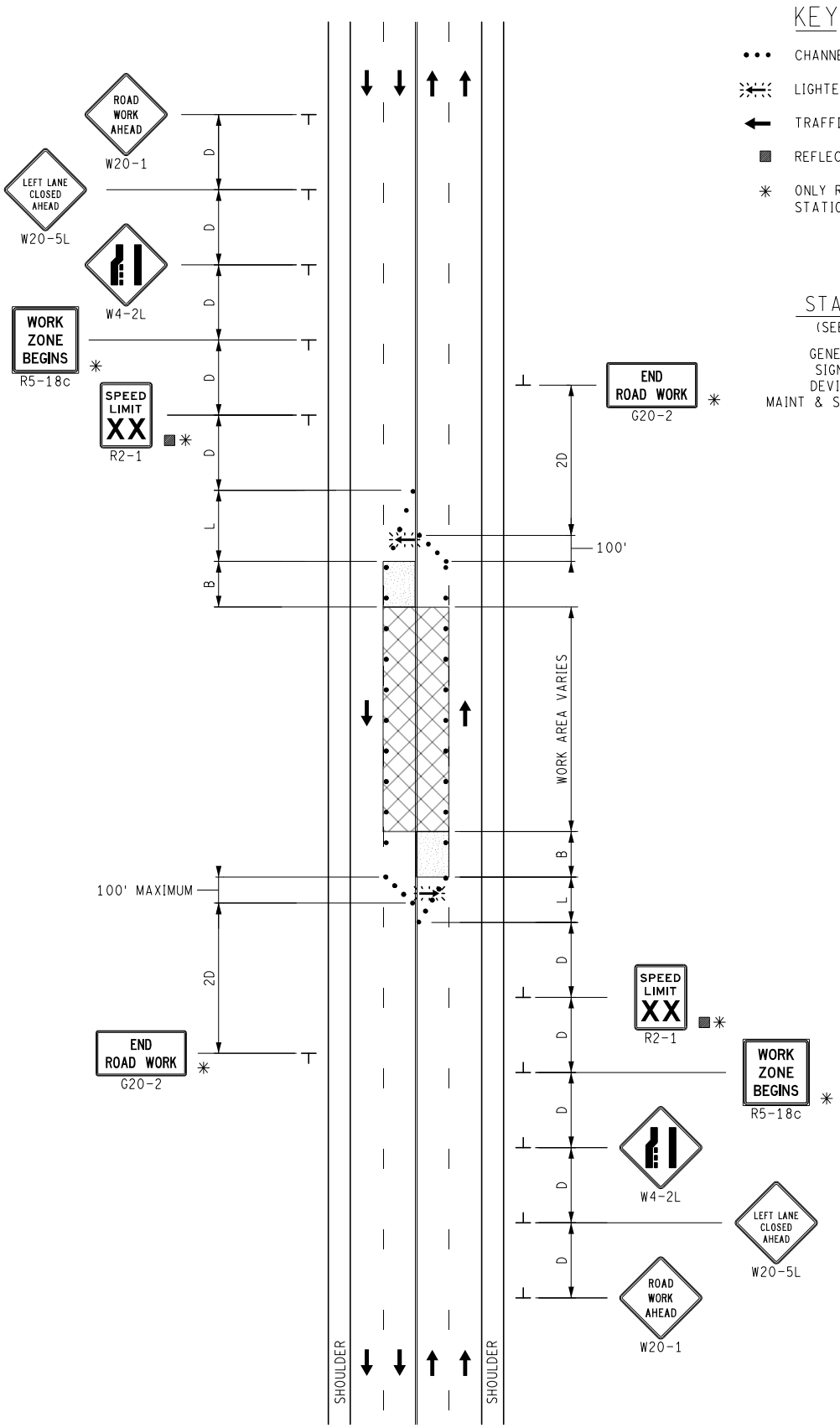
NOT TO SCALE

MDOT Michigan Department of Transportation	MAINTENANCE MAINTAINING TRAFFIC TYPICAL	DURATION: LONG-TERM STATIONARY INTERMEDIATE-TERM STATIONARY SHORT-TERM STATIONARY	RIGHT LANE CLOSURE ON AN UNDIVIDED MULTI-LANE ROADWAY, NO SPEED REDUCTION	DATE: MAY 2021
				NO: 4123A-M-NFW-1LC-(R)
FILE: 4123A-M-NFW-1LC-(R).dgn				SHEET: 1 OF 1



NOT TO SCALE

MDOT Michigan Department of Transportation	MAINTENANCE MAINTAINING TRAFFIC TYPICAL	DURATION: LONG-TERM STATIONARY INTERMEDIATE-TERM STATIONARY SHORT-TERM STATIONARY	ONE-LANE CLOSURE ON AN UNDIVIDED MULTI-LANE ROADWAY, WITH A MAXIMUM 10 MPH SPEED REDUCTION	DATE: MAY 2021 NO: 4123B-M-NFW-1LC-(R) SHEET: 1 OF 1
FILE: 4123B-M-NFW-1LC-(R).dgn				



KEY

- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- ✳ ONLY REQUIRED FOR INTERMEDIATE-TERM STATIONARY AND LONG-TERM STATIONARY

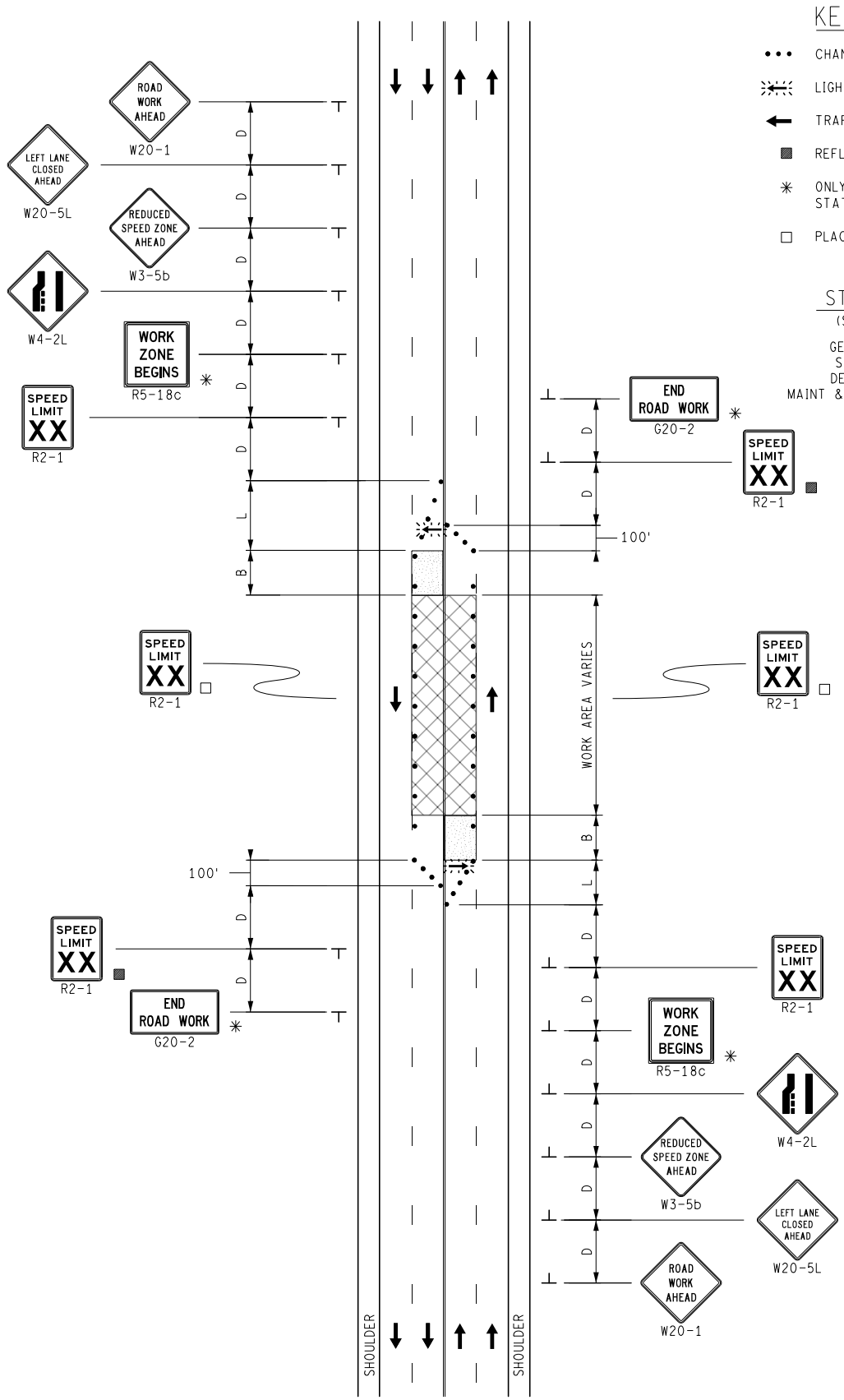
STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S3
DEVICES: TCD1, TCD2, TCD6
MAINT & SURV: MS2, MS3, MS4

NOT TO SCALE

MDOT Michigan Department of Transportation	MAINTENANCE MAINTAINING TRAFFIC TYPICAL	DURATION: LONG-TERM STATIONARY INTERMEDIATE-TERM STATIONARY SHORT-TERM STATIONARY	2-LANE CLOSURE, INSIDE OF A MULTI-LANE UNDIVIDED ROADWAY, NO SPEED REDUCTION	DATE: MAY 2021 NO: 4125A-M-NFW-2LC-(IN)
FILE: 4125A-M-NFW-2LC-(IN).dgn				SHEET: 1 OF 1



KEY

- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- ✳ ONLY REQUIRED FOR INTERMEDIATE-TERM STATIONARY AND LONG-TERM STATIONARY
- □ PLACE SIGN AS INDICATED IN NOTE S5

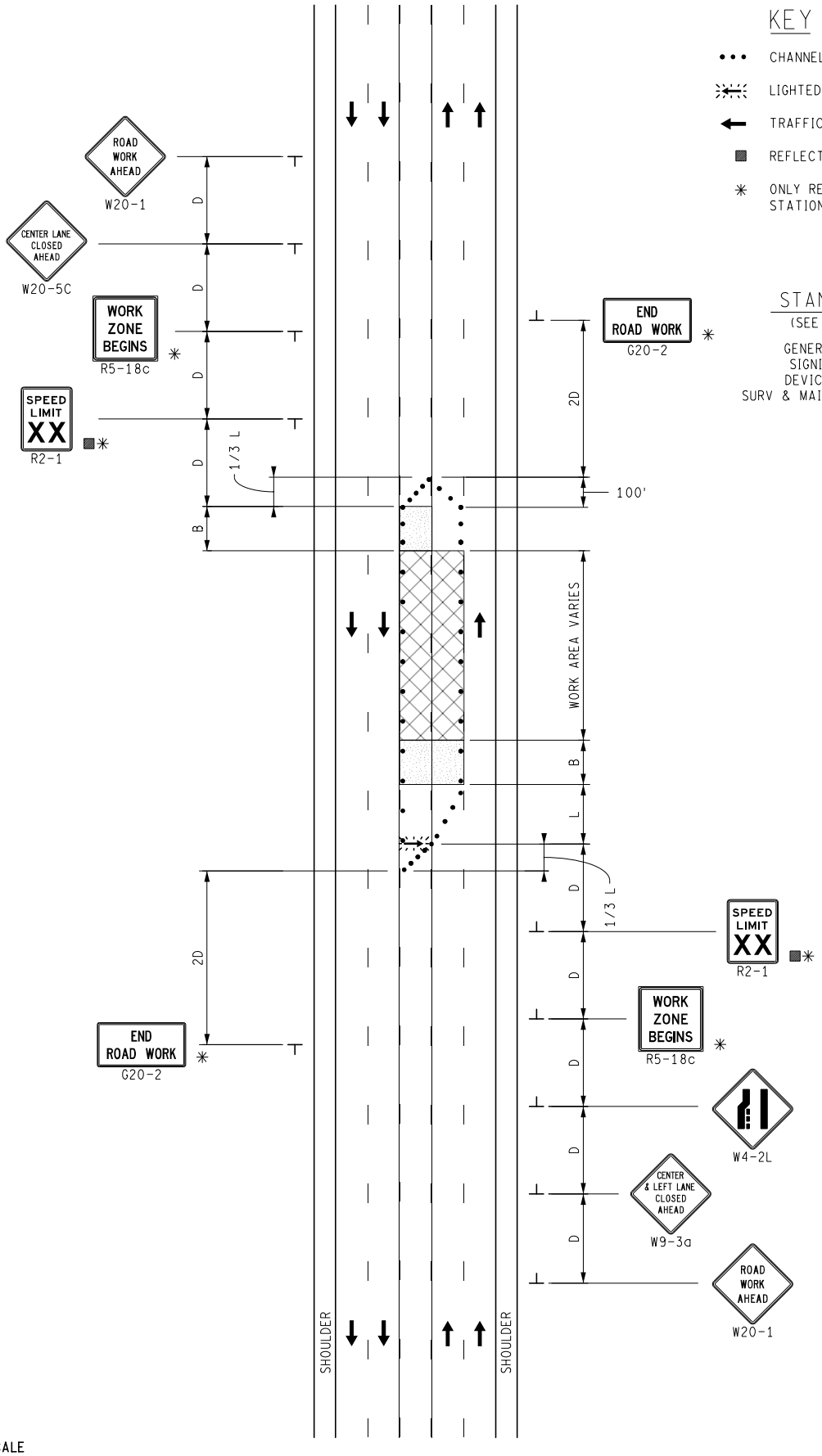
STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S3, S5
DEVICES: TCD1, TCD2, TCD6
MAINT & SURV: MS2, MS3, MS4

NOT TO SCALE

MDOT Michigan Department of Transportation	MAINTENANCE MAINTAINING TRAFFIC TYPICAL	DURATION: LONG-TERM STATIONARY INTERMEDIATE-TERM STATIONARY SHORT-TERM STATIONARY	2-LANE CLOSURE, INSIDE OF A MULTI-LANE UNDIVIDED ROADWAY, WITH A MAXIMUM 10 MPH SPEED REDUCTION	DATE: MAY 2021
				NO: 4125B-M-NFW-2LC-(IN)
FILE: 4125B-M-NFW-2LC-(IN).dgn				SHEET: 1 OF 1



KEY

- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- ✳ ONLY REQUIRED FOR INTERMEDIATE-TERM STATIONARY AND LONG-TERM STATIONARY

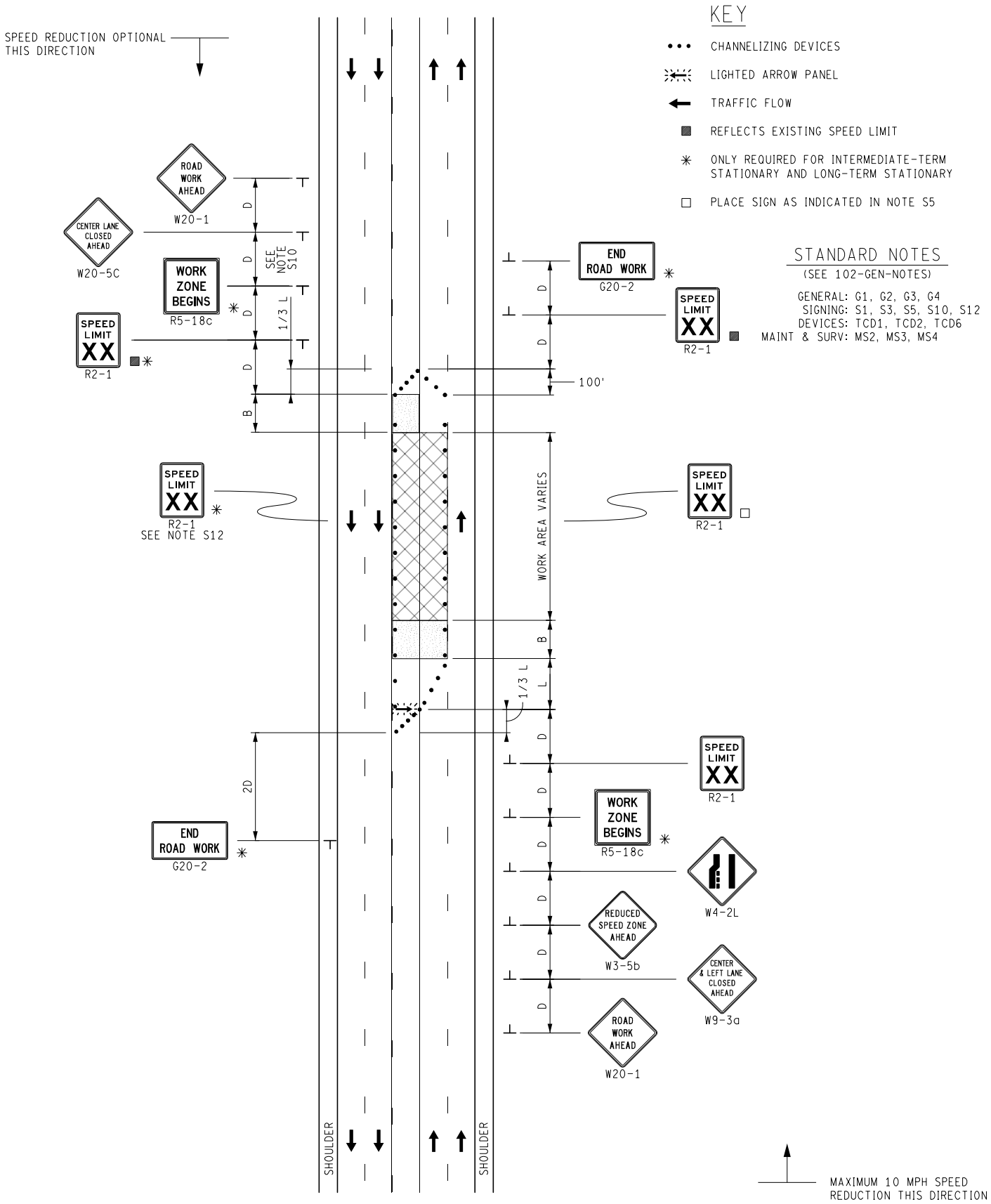
STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S3
DEVICES: TCD1, TCD2, TCD6
SURV & MAINT: M2, M3, M4

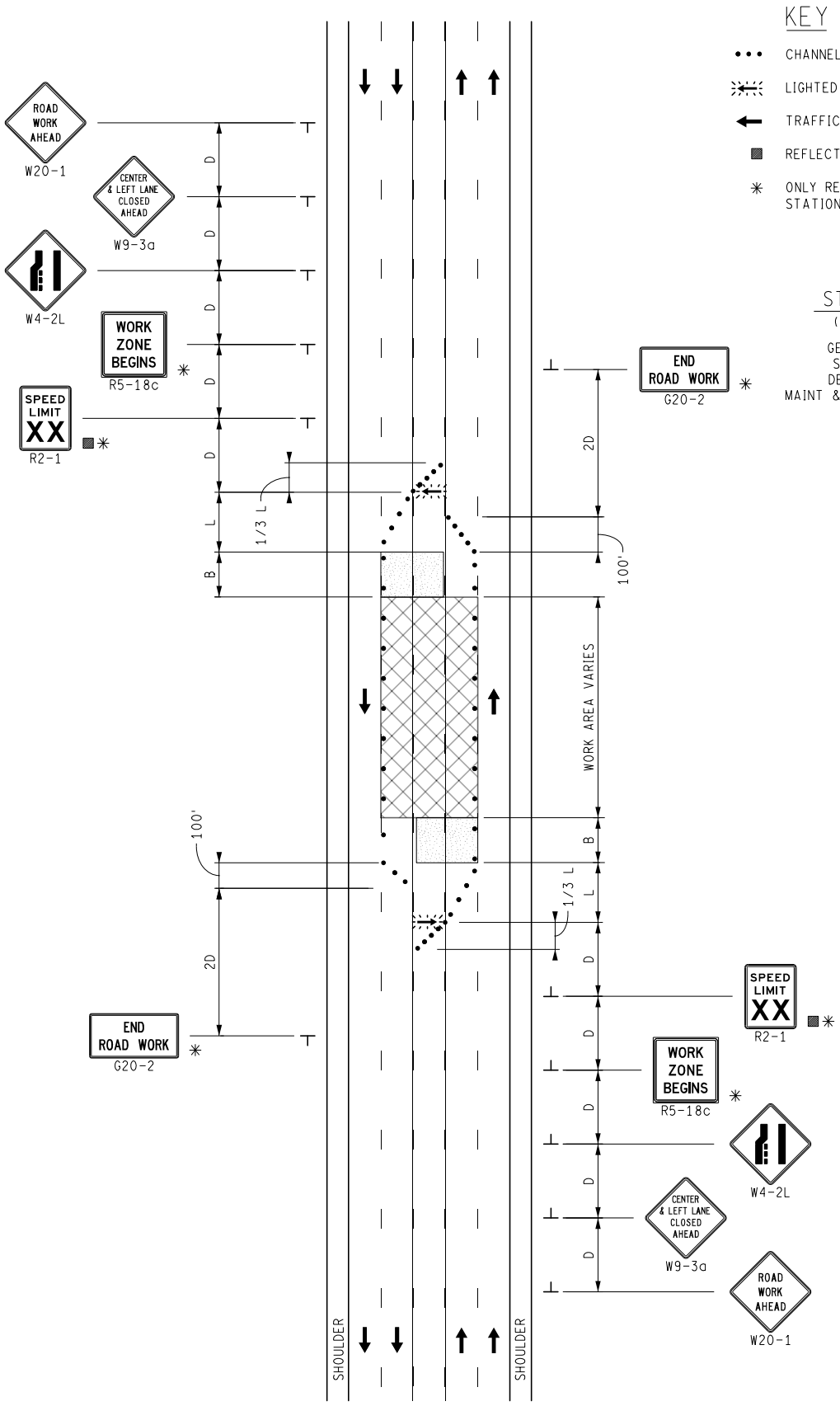
NOT TO SCALE

MDOT Michigan Department of Transportation	MAINTENANCE MAINTAINING TRAFFIC TYPICAL	DURATION: LONG-TERM STATIONARY INTERMEDIATE-TERM STATIONARY SHORT-TERM STATIONARY	CENTER AND LEFT LANE CLOSURE OF A MULTI-LANE UNDIVIDED ROADWAY, NO SPEED REDUCTION	DATE: MAY 2021 NO: 4133A-M-CLT-1LC-(L) SHEET: 1 OF 1
FILE: 4133A-M-CLT-1LC-(L).dgn				



NOT TO SCALE

MDOT Michigan Department of Transportation	MAINTENANCE MAINTAINING TRAFFIC TYPICAL	DURATION: LONG-TERM STATIONARY INTERMEDIATE-TERM STATIONARY SHORT-TERM STATIONARY	CENTER AND LEFT LANE CLOSURE OF A MULTI-LANE UNDIVIDED ROADWAY, WITH A MAXIMUM 10 MPH SPEED REDUCTION	DATE: MAY 2021 NO: 4133B-M-CLT-1LC-(L) SHEET: 1 OF 1
FILE: 4133B-M-CLT-1LC-(L).dgn				



KEY

- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- ✳ ONLY REQUIRED FOR INTERMEDIATE-TERM STATIONARY AND LONG-TERM STATIONARY

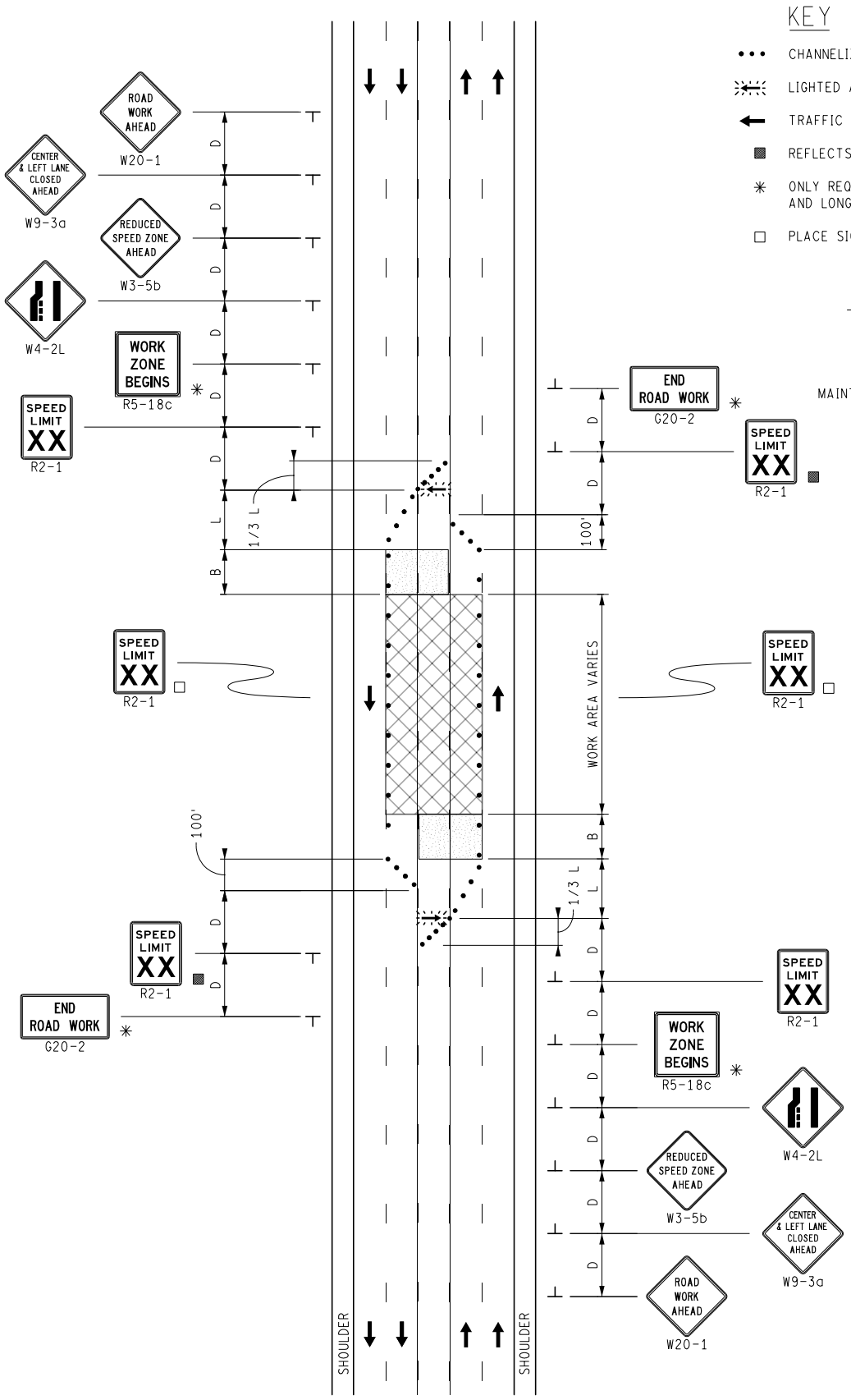
STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S3
DEVICES: TCD1, TCD2, TCD6
MAINT & SURV: MS2, MS3, MS4

NOT TO SCALE

MDOT Michigan Department of Transportation	MAINTENANCE MAINTAINING TRAFFIC TYPICAL	DURATION: LONG-TERM STATIONARY INTERMEDIATE-TERM STATIONARY SHORT-TERM STATIONARY	CLOSURE OF CENTER LANE AND LEFT LANES OF A MULTI-LANE UNDIVIDED ROADWAY, NO SPEED REDUCTION	DATE: MAY 2021
				NO: 4134A-M-CLT-2(L)LC-(IN)
FILE: 4134A-M-CLT-2(L)LC-(IN).dgn				SHEET: 1 OF 1



KEY

- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- ✳ ONLY REQUIRED FOR INTERMEDIATE-TERM STATIONARY AND LONG-TERM STATIONARY
- □ PLACE SIGN AS INDICATED IN NOTE S5

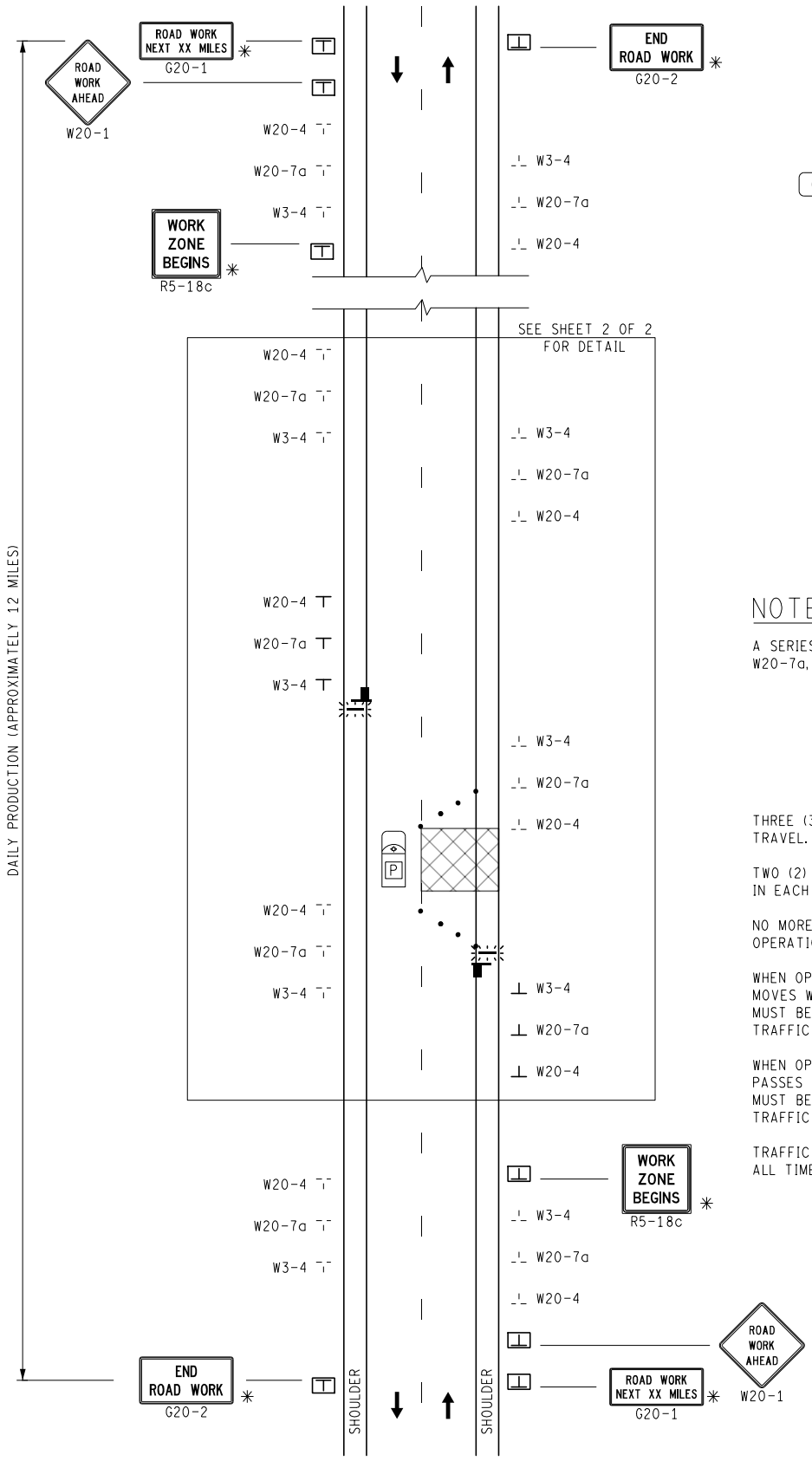
STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S3, S5
DEVICES: TCD1, TCD2, TCD6
MAINT & SURV: MS2, MS3, MS4

NOT TO SCALE

MDOT Michigan Department of Transportation	MAINTENANCE MAINTAINING TRAFFIC TYPICAL	DURATION: LONG-TERM STATIONARY INTERMEDIATE-TERM STATIONARY SHORT-TERM STATIONARY	CLOSURE OF CENTER LANE AND LEFT LANES OF A MULTI-LANE UNDIVIDED ROADWAY, WITH A MAXIMUM 10 MPH SPEED REDUCTION	DATE: MAY 2021
				NO: 4134B-M-CLT-2(L)LC-(IN)
FILE: 4134B-M-CLT-2(L)LC-(IN).dgn				SHEET: 1 OF 1



KEY

- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL (CAUTION MODE)
- TRAFFIC FLOW
- TRAFFIC REGULATOR
- PILOT CAR
- SIGN (FACE VISIBLE TO TRAFFIC)
- SIGN (FUTURE/PAST LOCATION OR FACE DOWN WITH LEGS FOLDED)
- SIGN (STATIONARY FOR LENGTH OF PROJECT - DOES NOT "LEAP")
- SIGN OPTIONAL

NOTES

A SERIES OF SIGNS AT EACH FLAGGING LOCATION INCLUDES W20-4, W20-7a, AND W3-4:

THREE (3) SERIES OF SIGNS ARE REQUIRED FOR EACH DIRECTION OF TRAVEL.

TWO (2) SERIES OF SIGNS ARE ALLOWED TO BE VISIBLE AT ONE TIME IN EACH DIRECTION.

NO MORE THAN FOUR (4) MILES FROM ROAD WORK AHEAD SIGN TO OPERATION IS PERMITTED AT ANY TIME.

WHEN OPERATION (PROGRESSING TOWARD THE TRAFFIC REGULATOR) MOVES WITHIN 500 FEET OF THE REGULATOR, THE FLAGGING STATION MUST BE MOVED TO THE NEXT STATION BY POSITIONING A SECOND TRAFFIC REGULATOR AT THE NEW STATION.

WHEN OPERATION (MOVING AWAY FROM THE TRAFFIC REGULATOR) PASSES THE ADJACENT FLAGGING STATION, THE FLAGGING STATION MUST BE MOVED AND THE PILOT CAR WILL HOLD TRAFFIC UNTIL THE TRAFFIC REGULATOR IS SET AT THE NEW STATION.

TRAFFIC REGULATOR MUST REMAIN WITH LIGHTED ARROW PANEL AT ALL TIMES.

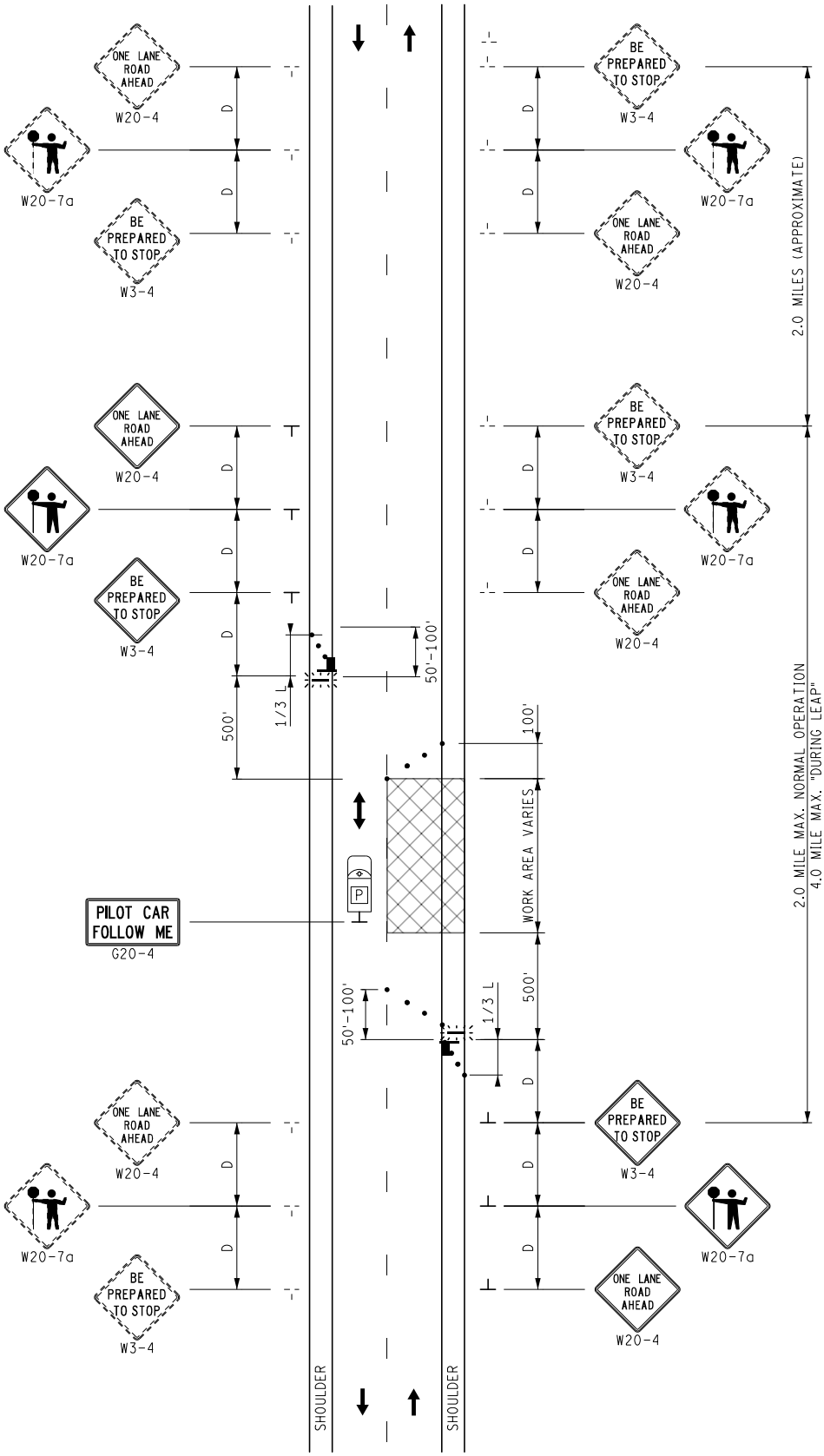
STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S2, S3, S4, S5
TRAF REG: TR1, TR2
DEVICES: TCD1, TCD2, TCD6
MAINT & SURV: MS2, MS3, MS4, MS5

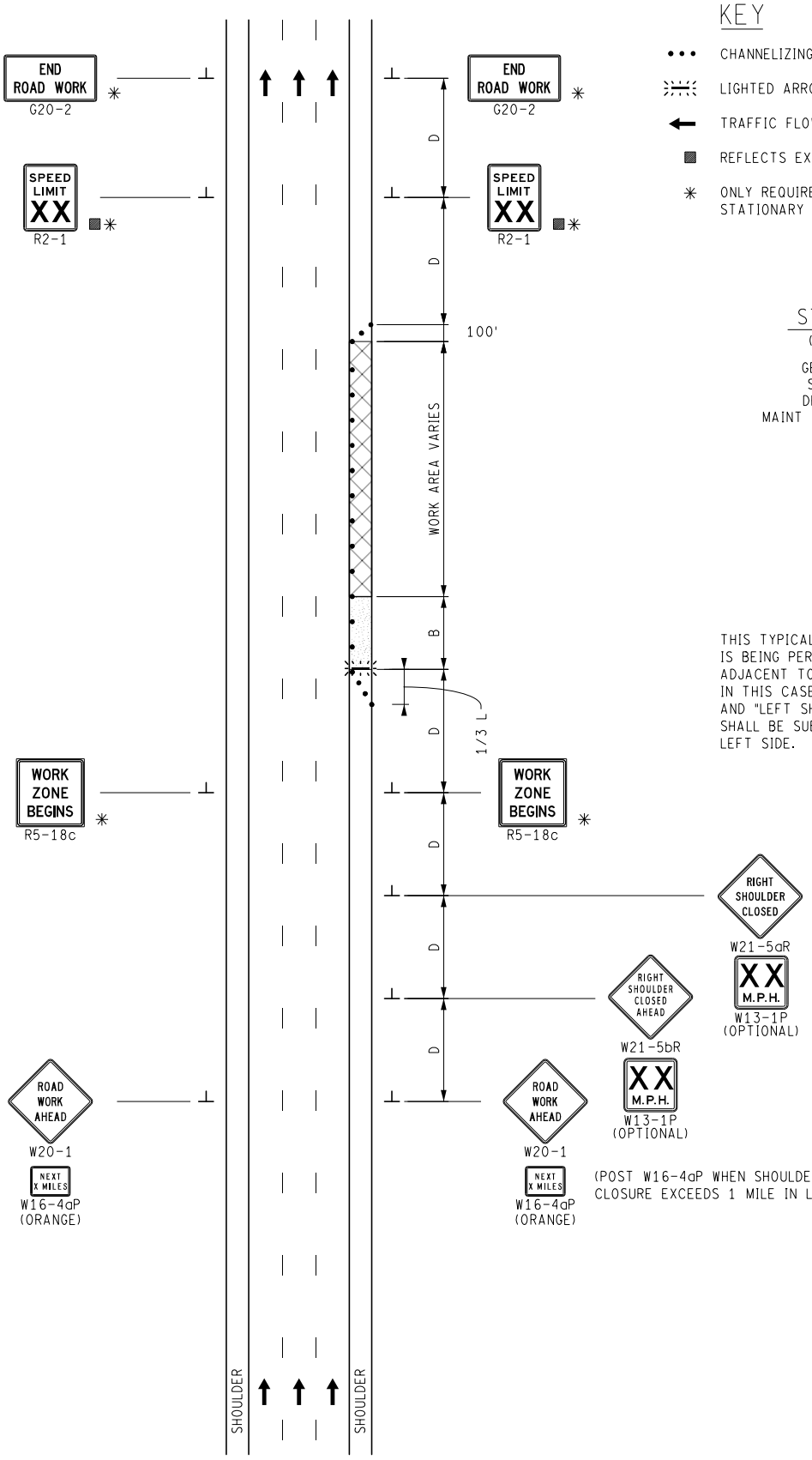
NOT TO SCALE

MDOT Michigan Department of Transportation	MAINTENANCE MAINTAINING TRAFFIC TYPICAL	DURATION: MOBILE SHORT DURATION SHORT-TERM STATIONARY	LEAP FROG LANE CLOSURE ON A TWO-LANE, TWO-WAY ROADWAY	DATE: MAY 2021
				NO: 4180-M-TR-NFW-2L
FILE: 4180-M-TR-NFW-2L.dgn				SHEET: 1 OF 2



NOT TO SCALE

MDOT Michigan Department of Transportation	MAINTENANCE MAINTAINING TRAFFIC TYPICAL	DURATION: MOBILE SHORT DURATION SHORT-TERM STATIONARY	LEAP FROG LANE CLOSURE ON A TWO-LANE, TWO-WAY ROADWAY	DATE: MAY 2021 NO: 4180-M-TR-NFW-2L SHEET: 2 OF 2
FILE: 4180-M-TR-NFW-2L.dgn				



KEY

- • • • CHANNELIZING DEVICES
- LIGHTED ARROW PANEL (CAUTION MODE)
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- ✳ ONLY REQUIRED FOR INTERMEDIATE-TERM STATIONARY AND LONG-TERM STATIONARY

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S3
DEVICES: TCD1, TCD2, TCD6
MAINT & SURV MS2, MS3, MS4

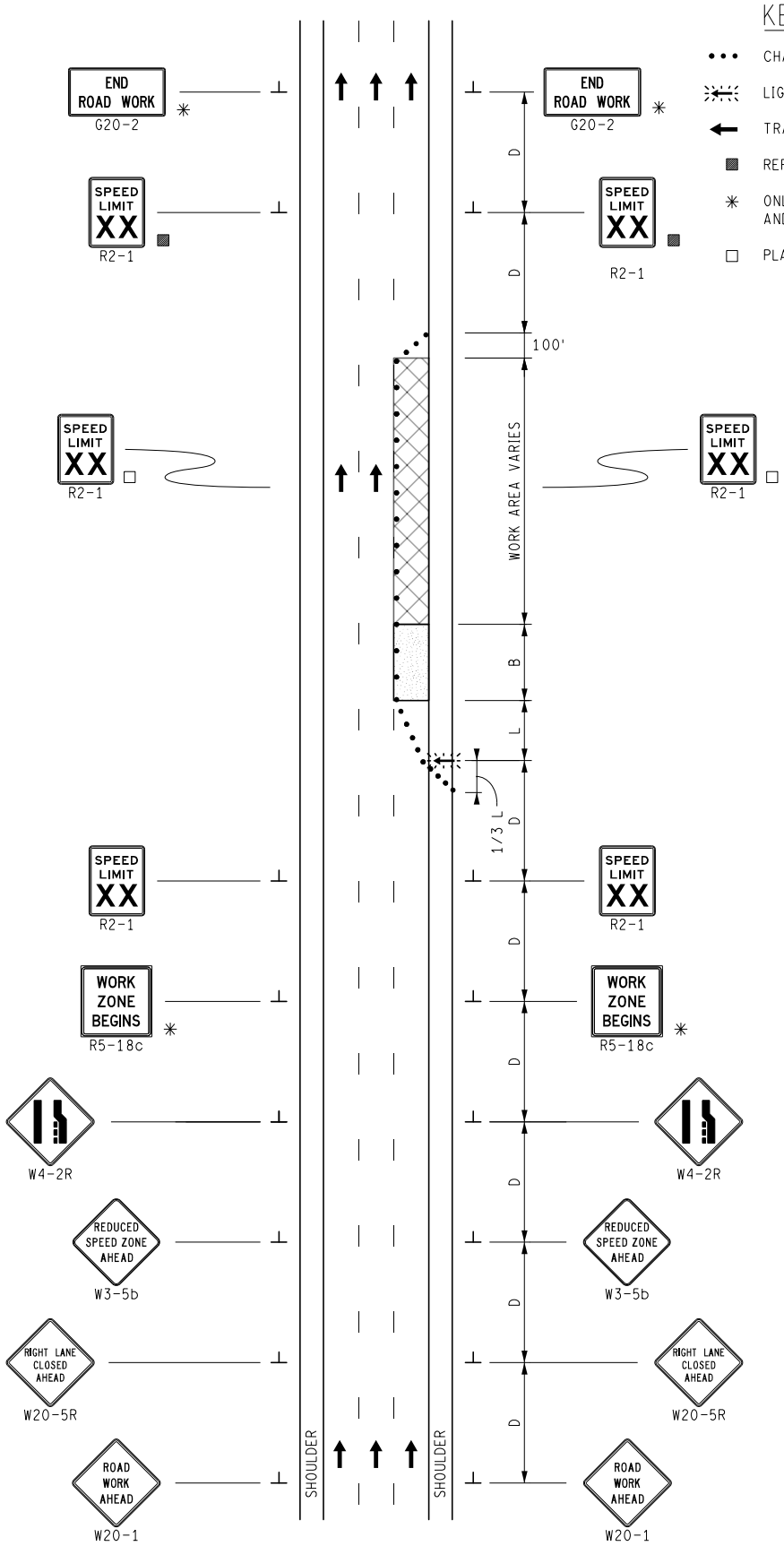
NOTE

THIS TYPICAL MAY ALSO BE USED WHEN WORK IS BEING PERFORMED IN THE SHOULDER ADJACENT TO THE MEDIAN OF THE ROADWAY. IN THIS CASE THE, "LEFT SHOULDER CLOSED" AND "LEFT SHOULDER CLOSED AHEAD" SIGNS SHALL BE SUBSTITUTED AND PLACED ON THE LEFT SIDE.

(POST W16-4aP WHEN SHOULDER CLOSURE EXCEEDS 1 MILE IN LENGTH)

NOT TO SCALE

MDOT Michigan Department of Transportation	MAINTENANCE MAINTAINING TRAFFIC TYPICAL	DURATION: LONG-TERM STATIONARY INTERMEDIATE-TERM STATIONARY SHORT-TERM STATIONARY	**SHOULDER CLOSURE ON A DIVIDED ROADWAY OR FREEWAY**	DATE: MAY 2021 NO: 4200-M-FW-SHL SHEET: 1 OF 1
FILE: 4200-M-FW-SHL.dgn				



KEY

- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- ✳ ONLY REQUIRED FOR INTERMEDIATE-TERM STATIONARY AND LONG-TERM STATIONARY
- PLACE SIGN AS INDICATED IN NOTE S5

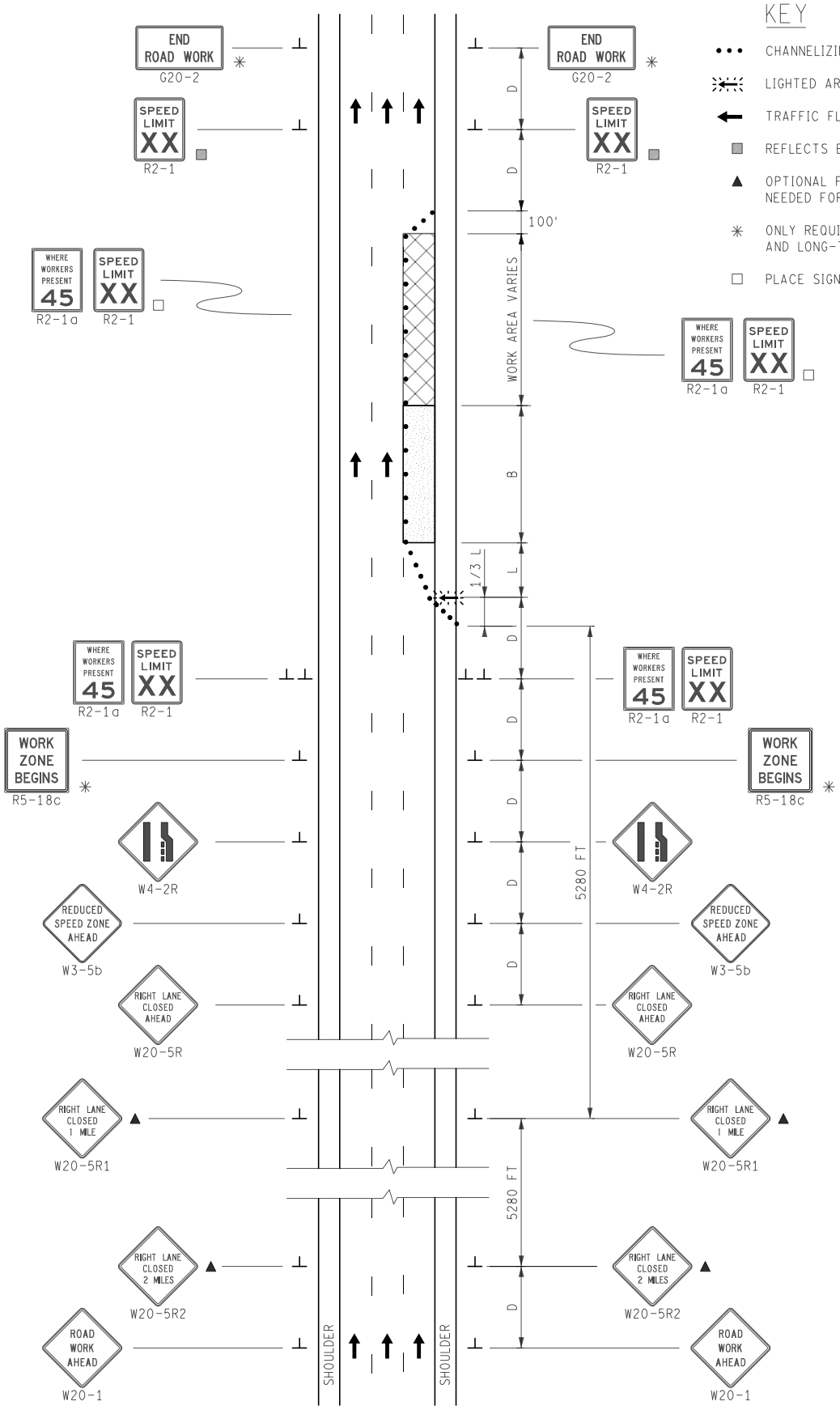
STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S3, S5
DEVICES: TCD1, TCD2, TCD6
MAINT & SURV: MS2, MS3, MS4

NOT TO SCALE

MDOT Michigan Department of Transportation	MAINTENANCE MAINTAINING TRAFFIC TYPICAL	DURATION: INTERMEDIATE-TERM STATIONARY SHORT-TERM STATIONARY	SINGLE RIGHT LANE CLOSURE ON A FREEWAY USING A 10 MPH STEP DOWN IN SPEED LIMIT	DATE: MAY 2021
				NO: 4203A-M-FW-1LC-(R)
FILE: 4203A-M-FW-1LC-(R).dgn				SHEET: 1 OF 1



KEY

- • • • CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- ▲ OPTIONAL FOR LONG-TERM STATIONARY AND NOT NEEDED FOR SHORT DURATION
- ✳ ONLY REQUIRED FOR INTERMEDIATE-TERM STATIONARY AND LONG-TERM STATIONARY
- □ PLACE SIGN AS INDICATED IN NOTE S5

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S3, S5, S8
DEVICES: TCD1, TCD2, TCD6
MAINT & SURV: MS2, MS3, MS4

NOT TO SCALE

MDOT Michigan Department of Transportation	MAINTENANCE MAINTAINING TRAFFIC TYPICAL	DURATION: APPLIES TO ALL DURATIONS	SINGLE LANE CLOSURE ON A FREEWAY USING "WHERE WORKERS PRESENT" AND A 10 MPH STEP DOWN IN SPEED LIMIT 2 MILE ADVANCED WARNING	DATE: DECEMBER 2021
				NO: 4203B-M-FW-1LC-(R)
FILE: 4203B-M-FW-1LC-(R).dgn				SHEET: 1 OF 1

KEY

• • • CHANNELIZING DEVICES

← TRAFFIC FLOW

STANDARD NOTES

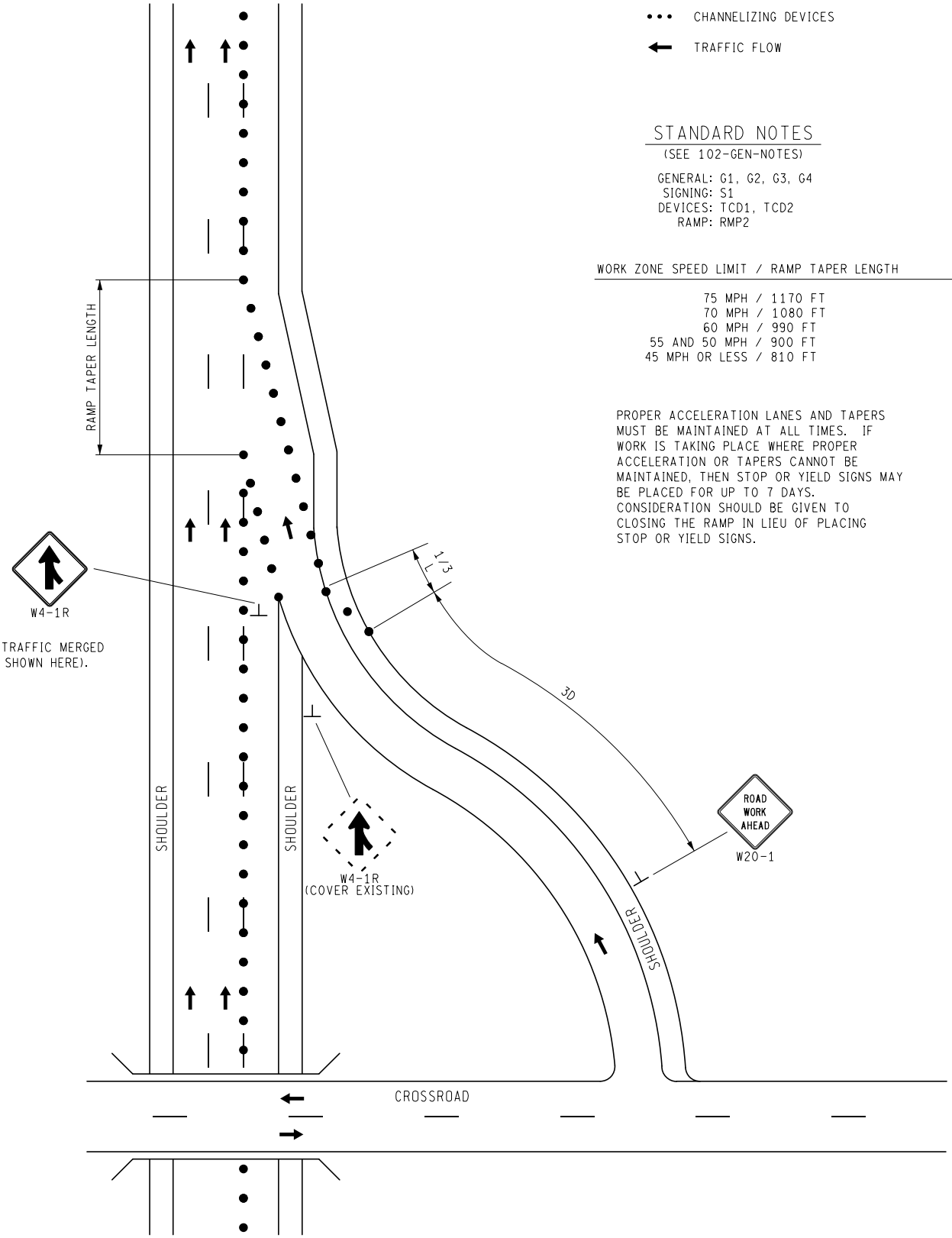
(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1
DEVICES: TCD1, TCD2
RAMP: RMP2

WORK ZONE SPEED LIMIT / RAMP TAPER LENGTH

75 MPH	1170 FT
70 MPH	1080 FT
60 MPH	990 FT
55 AND 50 MPH	900 FT
45 MPH OR LESS	810 FT

PROPER ACCELERATION LANES AND TAPERS MUST BE MAINTAINED AT ALL TIMES. IF WORK IS TAKING PLACE WHERE PROPER ACCELERATION OR TAPERS CANNOT BE MAINTAINED, THEN STOP OR YIELD SIGNS MAY BE PLACED FOR UP TO 7 DAYS. CONSIDERATION SHOULD BE GIVEN TO CLOSING THE RAMP IN LIEU OF PLACING STOP OR YIELD SIGNS.



USE W4-1 WHEN HAVING TRAFFIC MERGED INTO AN OPEN LANE (AS SHOWN HERE).

NOT TO SCALE

MDOT Michigan Department of Transportation	MAINTENANCE MAINTAINING TRAFFIC TYPICAL	DURATION: LONG-TERM STATIONARY INTERMEDIATE-TERM STATIONARY SHORT-TERM STATIONARY	OUTSIDE LANE CLOSURE ON A FREEWAY THROUGH ENTRANCE RAMP AREA FREEFLOW CONDITION	DATE: MAY 2021
				NO: 4221-FW EnR-O-LC-FREE
FILE: 4221-FW-EnR-O-LC-FREE.dgn				SHEET: 1 OF 1

KEY

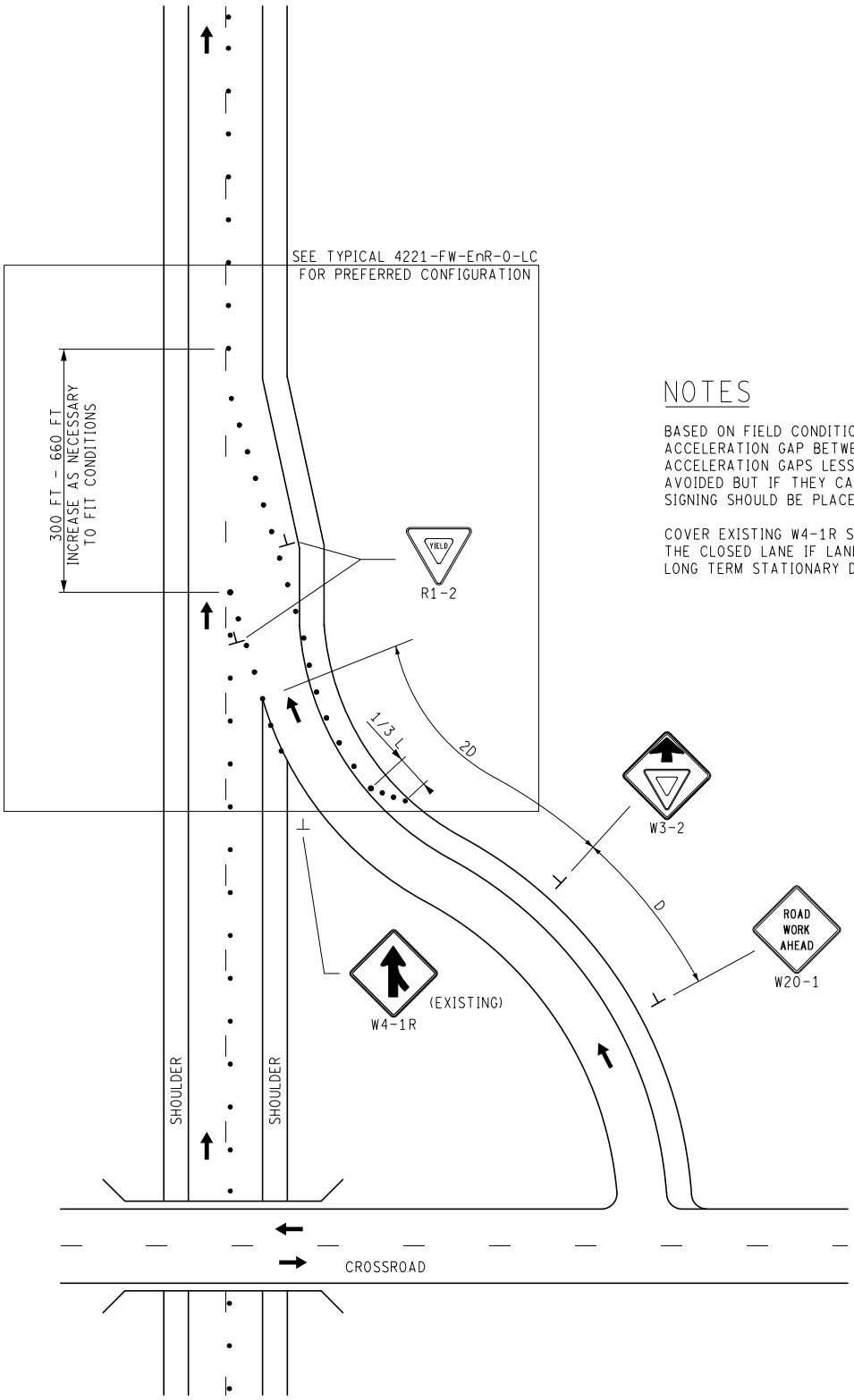
• • • CHANNELIZING DEVICES

← TRAFFIC FLOW

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1
DEVICES: TCD1, TCD2
RAMP: RMP2
MAINT & SURV: MS2, MS3, MS4



NOTES

BASED ON FIELD CONDITIONS, PROVIDE AN ACCELERATION GAP BETWEEN 300 AND 660 FT. ACCELERATION GAPS LESS THAN 300 FT SHOULD BE AVOIDED BUT IF THEY CANNOT, THEN R1-1 (STOP) SIGNING SHOULD BE PLACED.

COVER EXISTING W4-1R SIGN AND POST A W4-1R SIGN IN THE CLOSED LANE IF LANE CLOSURE IS IN PLACE FOR A LONG TERM STATIONARY DURATION.

NOT TO SCALE

MDOT Michigan Department of Transportation	MAINTENANCE MAINTAINING TRAFFIC TYPICAL	DURATION: LONG-TERM STATIONARY INTERMEDIATE-TERM STATIONARY SHORT-TERM STATIONARY	**OUTSIDE LANE CLOSURE ON A FREEWAY THROUGH ENTRANCE RAMP AREA YIELD CONDITION**	DATE: MAY 2021 NO: 4222-FW EnR-O-LC-YIELD SHEET: 1 OF 1
FILE: 4222-FW-EnR-O-LC-YIELD.dgn				

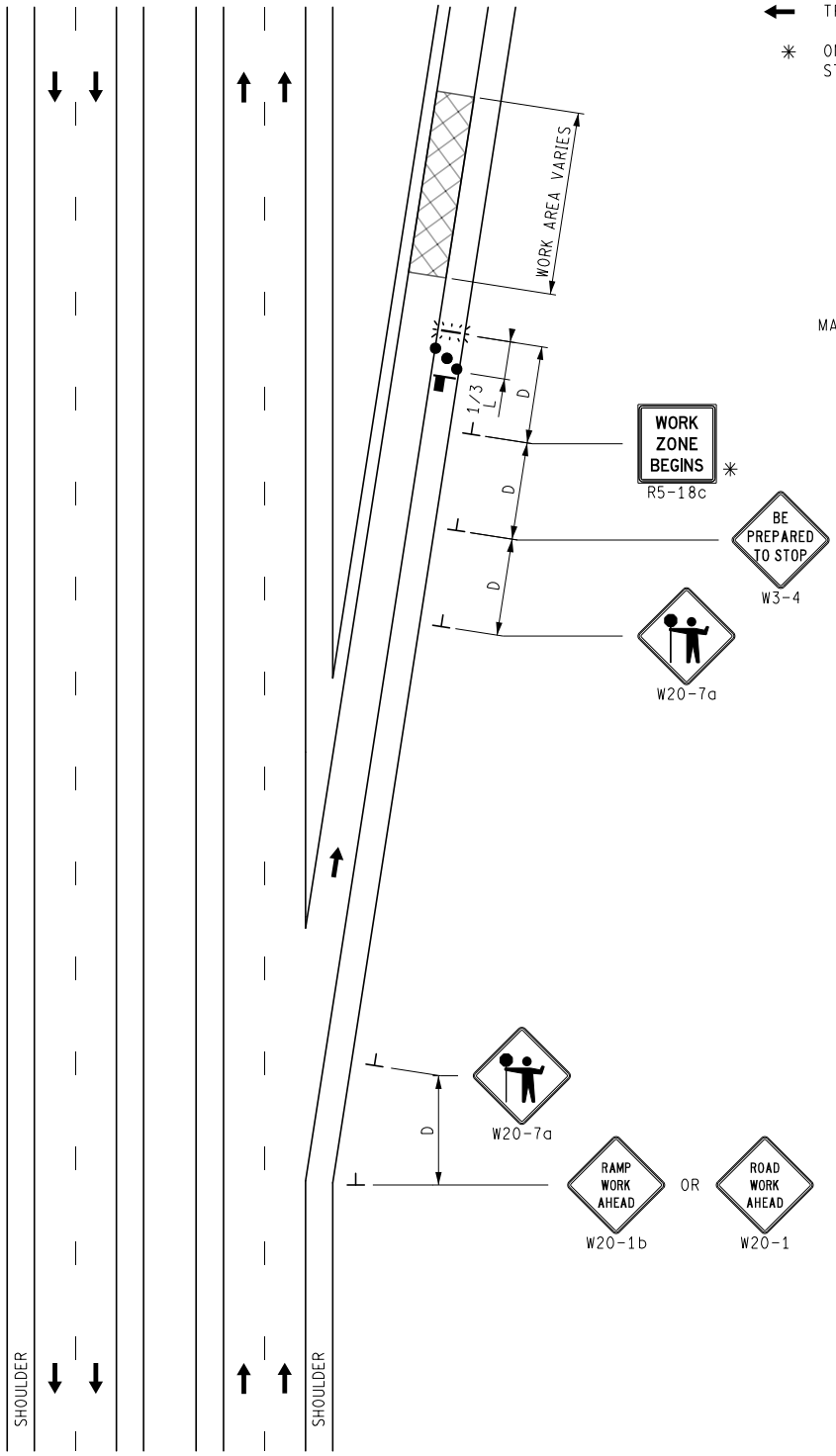
KEY

- TRAFFIC REGULATOR
- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL (CAUTION MODE)
- TRAFFIC FLOW
- ✳ ONLY REQUIRED FOR INTERMEDIATE-TERM STATIONARY AND LONG-TERM STATIONARY

STANDARD NOTES

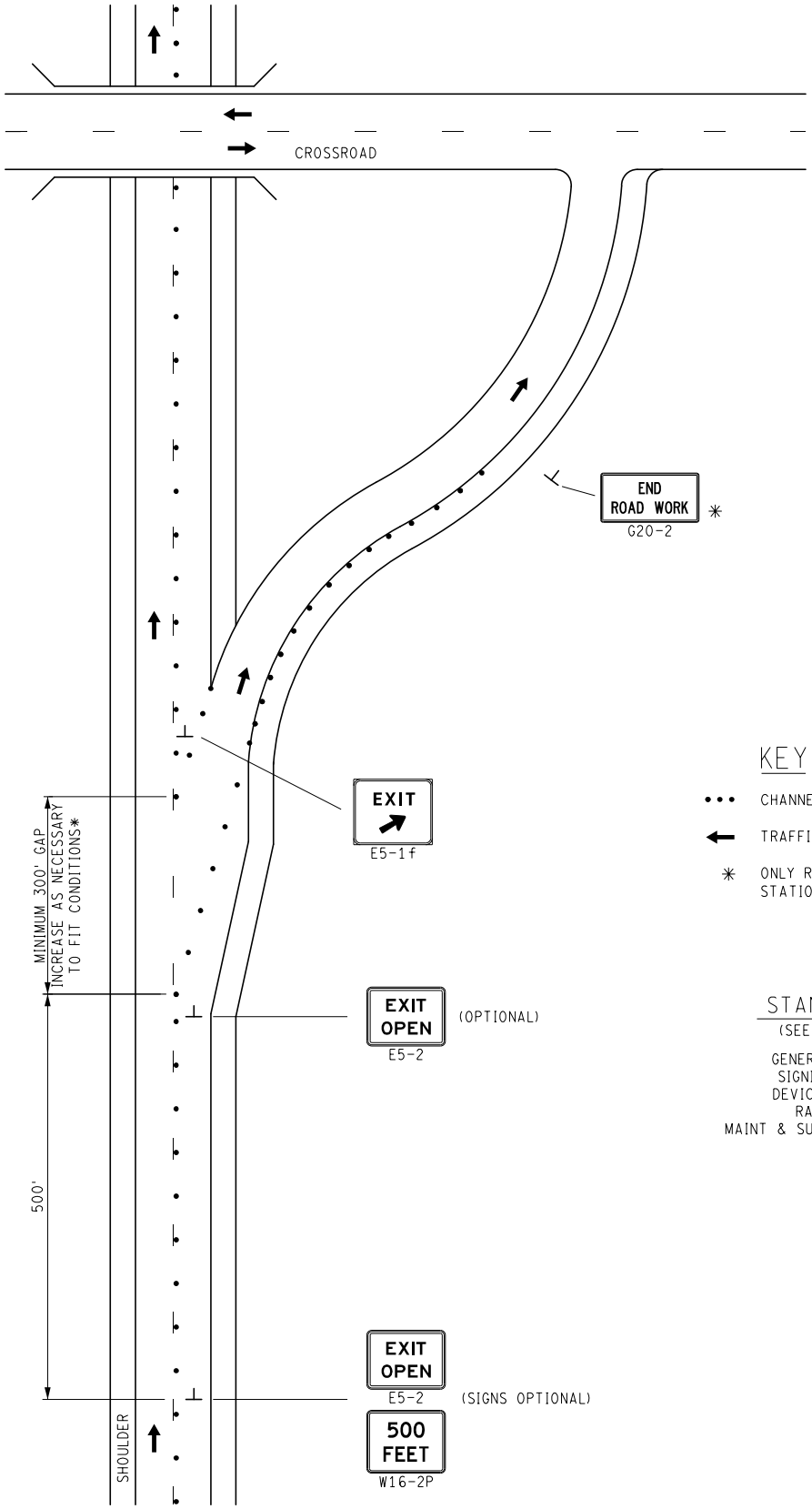
(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S3, S4
TRAF REG: TR1, TR2
DEVICES: TCD1, TCD2, TCD6
MAINT & SURV: MS2, MS3, MS4



NOT TO SCALE

MDOT Michigan Department of Transportation	MAINTENANCE MAINTAINING TRAFFIC TYPICAL	DURATION: LONG-TERM STATIONARY INTERMEDIATE-TERM STATIONARY SHORT-TERM STATIONARY	**WORK OPERATIONS ON EXIT RAMPS**	DATE: MAY 2021 NO: 4224-M-FW-ExR-TR SHEET: 1 OF 1
FILE: 4224-M-FW-ExR-TR.dgn				



KEY

- ••• CHANNELIZING DEVICES
- ← TRAFFIC FLOW
- ✳ ONLY REQUIRED FOR INTERMEDIATE-TERM STATIONARY AND LONG-TERM STATIONARY

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1
DEVICES: TCD1, TCD2
RAMP: RMP1
MAINT & SURV: MS2, MS3, MS4

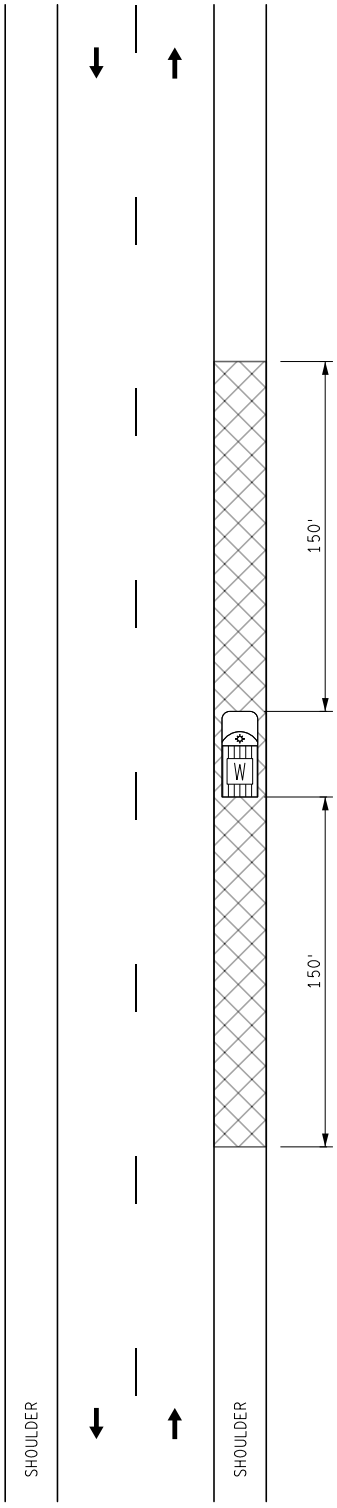
NOT TO SCALE

MDOT Michigan Department of Transportation	MAINTENANCE MAINTAINING TRAFFIC TYPICAL	DURATION: LONG-TERM STATIONARY INTERMEDIATE-TERM STATIONARY SHORT-TERM STATIONARY	EXIT RAMP TREATMENT ON A FREEWAY WITH OUTSIDE LANE CLOSURE	DATE: MAY 2021 NO: 4231-M-FW-ExR-O-LC SHEET: 1 OF 1
FILE: 4231-M-FW-ExR-O-LC.dgn				

KEY

VEHICLE FROM WHICH WORK IS BEING PERFORMED

TRAFFIC FLOW



STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1
MAINT & SURV: MS2, MS3, MS4

NOTES

AT A MINIMUM, MAINTAINING TRAFFIC SHALL CONSIST OF AN APPROPRIATELY MARKED VEHICLE WITH A ROTATING BEACON. NO SIGNS OR CHANNELIZING DEVICES ARE REQUIRED.

THE FOLLOWING FACTORS SHOULD BE CONSIDERED IN DETERMINING THE NEED FOR ADDITIONAL ADVANCE WARNING:

1. TRAFFIC VOLUME
2. POSTED AND OPERATING SPEED LIMITS
3. HORIZONTAL AND VERTICAL ALIGNMENTS
4. URBAN OR RURAL SITE
5. WORK TYPE
6. AVAILABLE SHOULDER WIDTH

NOT TO SCALE

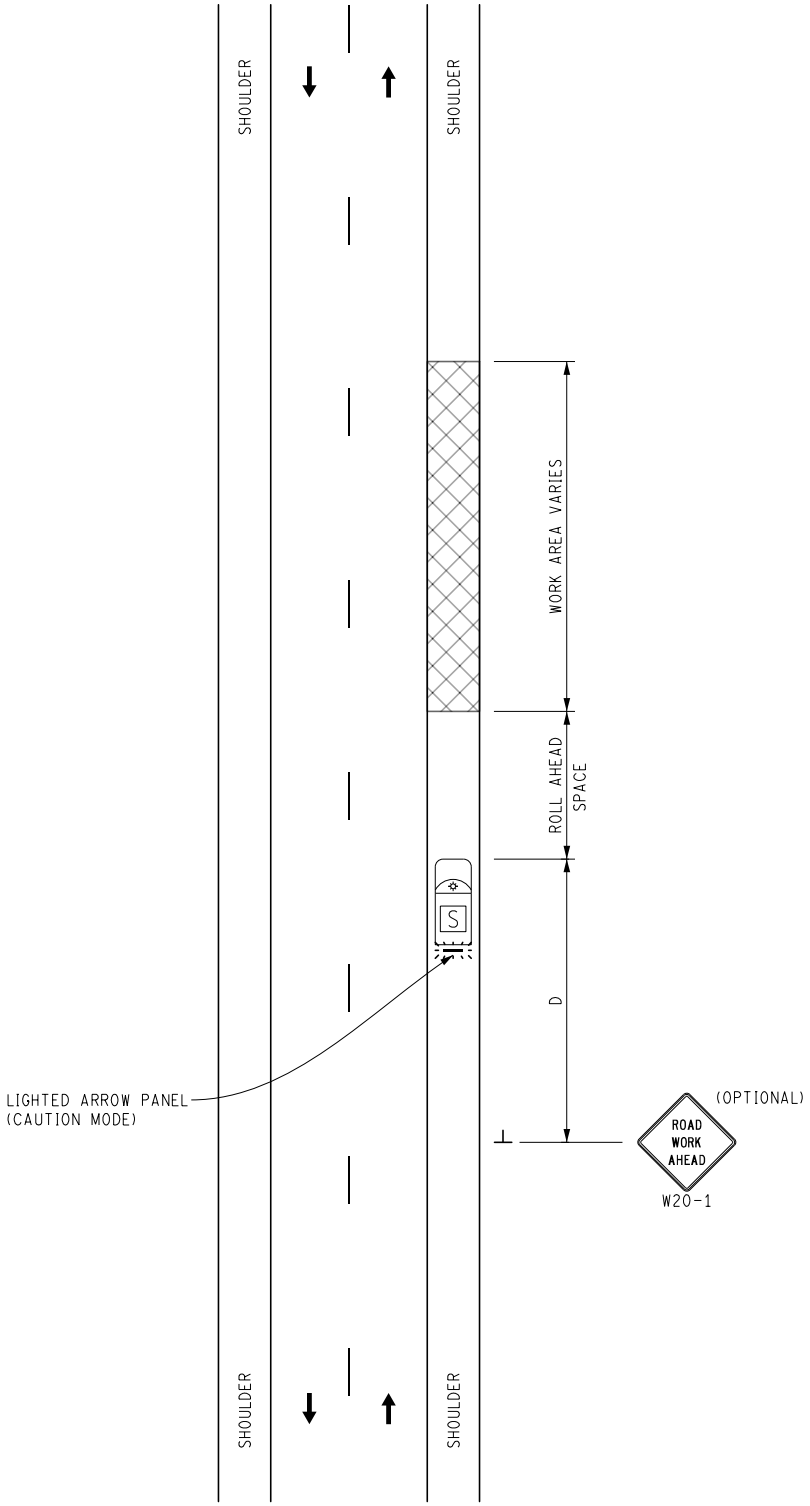
MDOT Michigan Department of Transportation	MAINTENANCE MAINTAINING TRAFFIC TYPICAL	DURATION: MOBILE	SHOULDER WORK WITH TRAFFIC VOLUMES LESS THAN 10,000 ADT AND ADEQUATE SIGHT DISTANCES	DATE: MAY 2021
				NO: 4400-M-NFW-SHL-MOB
FILE: 4400-M-SHL-MOB.dgn				SHEET: 1 OF 1

KEY

LIGHTED ARROW PANEL (CAUTION MODE)

TRAFFIC FLOW

SHADOW VEHICLE WITH OPTIONAL TRUCK MOUNTED ATTENUATOR



STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1
MAINT & SURV: MS2, MS3, MS4

NOTES

THERE MUST BE EITHER AN APPROPRIATELY MARKED VEHICLE WITH A ROTATING BEACON OR OPTIONAL W20-1 SIGNS TO INDICATE TO THE PUBLIC THAT WORK IS BEING DONE IN THE AREA.

NOT TO SCALE

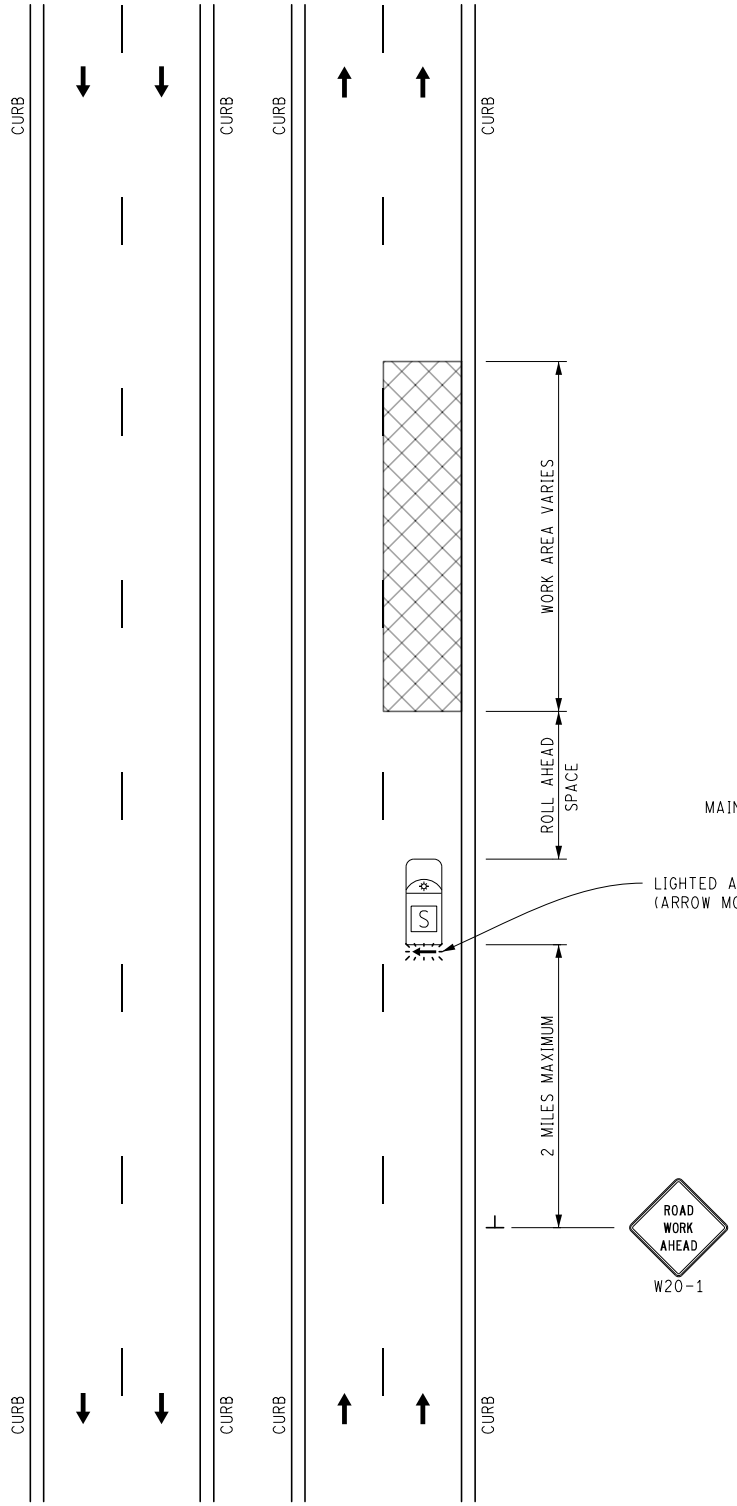
MDOT Michigan Department of Transportation	MAINTENANCE MAINTAINING TRAFFIC TYPICAL	DURATION: SHORT-DURATION MOBILE	SHOULDER WORK ON A TWO-LANE, TWO-WAY ROADWAY	DATE: MAY 2021
				NO: 4401-M-NFW-SHL-2L
FILE: 4401-M-NFW-SHL-2L.dgn				SHEET: 1 OF 1

KEY

LIGHTED ARROW PANEL

TRAFFIC FLOW

SHADOW VEHICLE WITH OPTIONAL TRUCK MOUNTED ATTENUATOR



NOTES

"ROAD WORK AHEAD" SIGN SHALL BE WITHIN TWO MILES OF WORK AREA.

THIS DETAIL IS ONLY ALLOWED IN AREAS WITHOUT SHOULDERS AND SPEED LIMITS OF 45 MPH OR LESS. USED FOR PATROLLING, MINOR PATCHING AND OTHER ACTIVITIES IN AREAS WITH CURBED ROADWAY.

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1
MAINT & SURV: MS1, MS2, MS3, MS4, MS5

NOT TO SCALE

MDOT Michigan Department of Transportation	MAINTENANCE MAINTAINING TRAFFIC TYPICAL	DURATION: SHORT-DURATION MOBILE	LANE CLOSURE ON A DIVIDED ROADWAY WITH CURBS AND SPEED LIMITS 45 MPH OR LESS	DATE: MAY 2021
				NO: 4402-M-NFW-1LC
FILE: 4402-M-NFW-1LC.dgn				SHEET: 1 OF 1

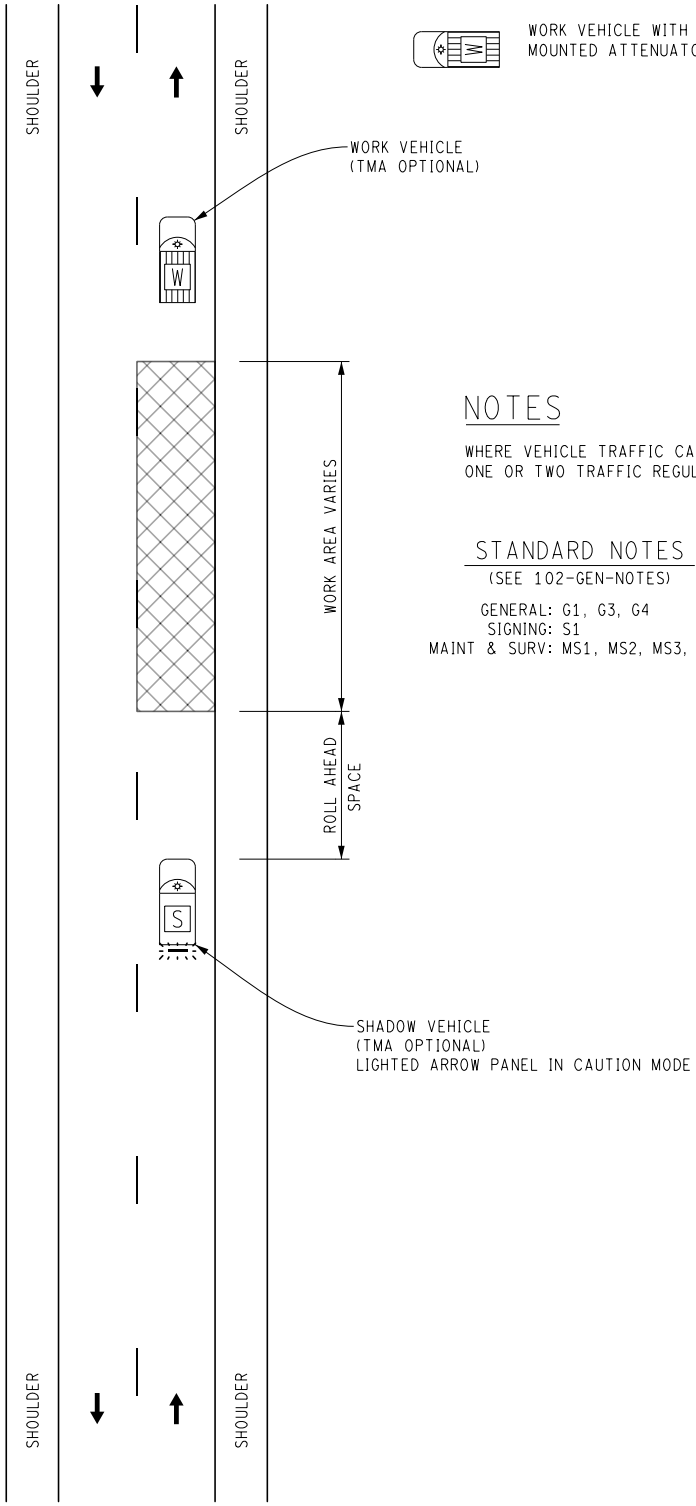
KEY

LIGHTED ARROW PANEL (CAUTION MODE)

TRAFFIC FLOW

SHADOW VEHICLE WITH OPTIONAL TRUCK MOUNTED ATTENUATOR

WORK VEHICLE WITH OPTIONAL TRUCK MOUNTED ATTENUATOR



NOTES

WHERE VEHICLE TRAFFIC CANNOT EFFECTIVELY SELF REGULATE, ONE OR TWO TRAFFIC REGULATORS SHALL BE USED.

STANDARD NOTES

(SEE 102-GEN-NOTES)

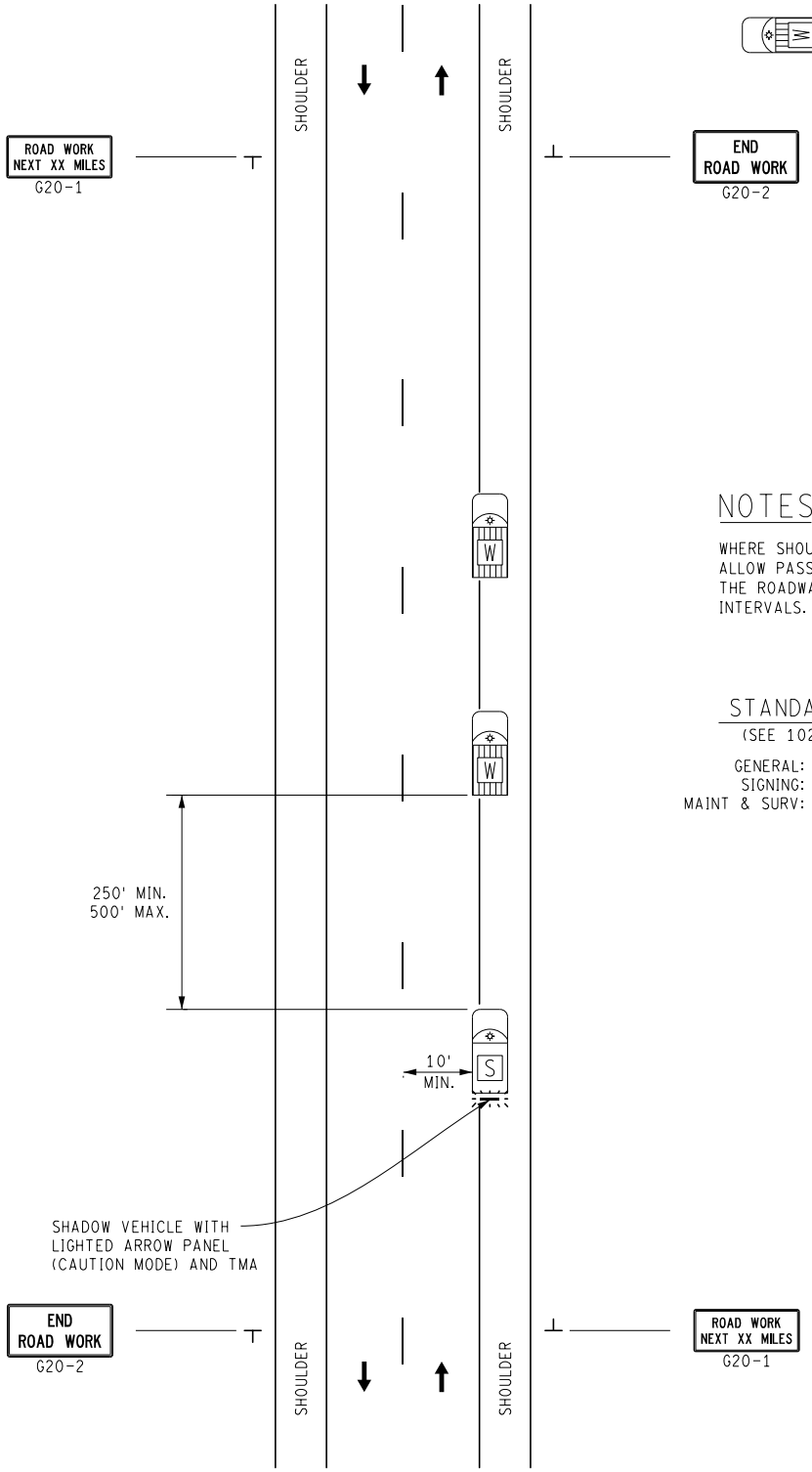
GENERAL: G1, G3, G4
SIGNING: S1
MAINT & SURV: MS1, MS2, MS3, MS4, MS5

NOT TO SCALE

MDOT Michigan Department of Transportation	MAINTENANCE MAINTAINING TRAFFIC TYPICAL	DURATION: SHORT-DURATION MOBILE	**MOBILE OPERATION ON A TWO-LANE ROADWAY**	DATE: MAY 2021 NO: 4403-M-NFW-2L SHEET: 1 OF 1
FILE: 4403-M-NFW-2L.dgn				

KEY

- LIGHTED ARROW PANEL (TRUCK MOUNTED) (CAUTION MODE)
- TRAFFIC FLOW
- SHADOW VEHICLE WITH TRUCK MOUNTED ATTENUATOR
- WORK VEHICLE



NOTES

WHERE SHOULDERS ARE NARROW AND INSUFFICIENT WIDTH EXISTS TO ALLOW PASSING, THE CONVOY SHALL CEASE OPERATION AND PULL OFF THE ROADWAY TO ALLOW QUEUED TRAFFIC TO PASS AT REASONABLE INTERVALS.

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G3, G4
SIGNING: S1
MAINT & SURV: MS1, MS2, MS3, MS4, MS5

NOT TO SCALE

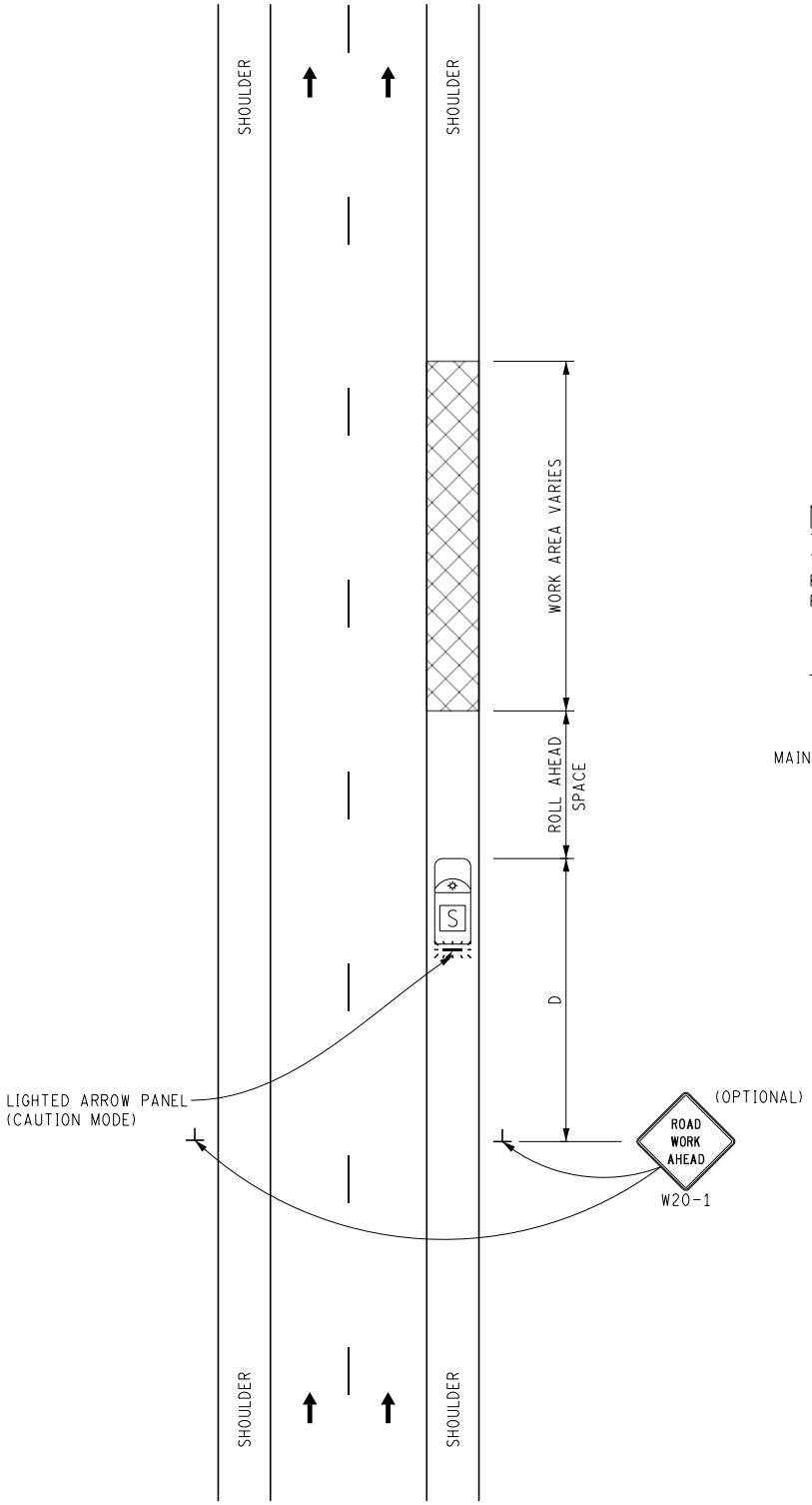
MDOT Michigan Department of Transportation	MAINTENANCE MAINTAINING TRAFFIC TYPICAL	DURATION: MOBILE	SHOULDER WORK ON A TWO-LANE, TWO-WAY ROADWAY WITH LANE ENCROACHMENTS	DATE: MAY 2021
				NO: 4405-M-NFW-SHL
FILE: 4405-M-NFW-SHL.dgn				SHEET: 1 OF 1

KEY

LIGHTED ARROW PANEL (CAUTION MODE)

TRAFFIC FLOW

SHADOW VEHICLE WITH OPTIONAL TRUCK MOUNTED ATTENUATOR



NOTES

THERE MUST BE EITHER AN APPROPRIATELY MARKED VEHICLE WITH A ROTATING BEACON OR OPTIONAL W20-1 SIGNS TO INDICATE TO THE PUBLIC THAT WORK IS BEING DONE IN THE AREA.

STANDARD NOTES

(SEE 102-GEN-NOTES)

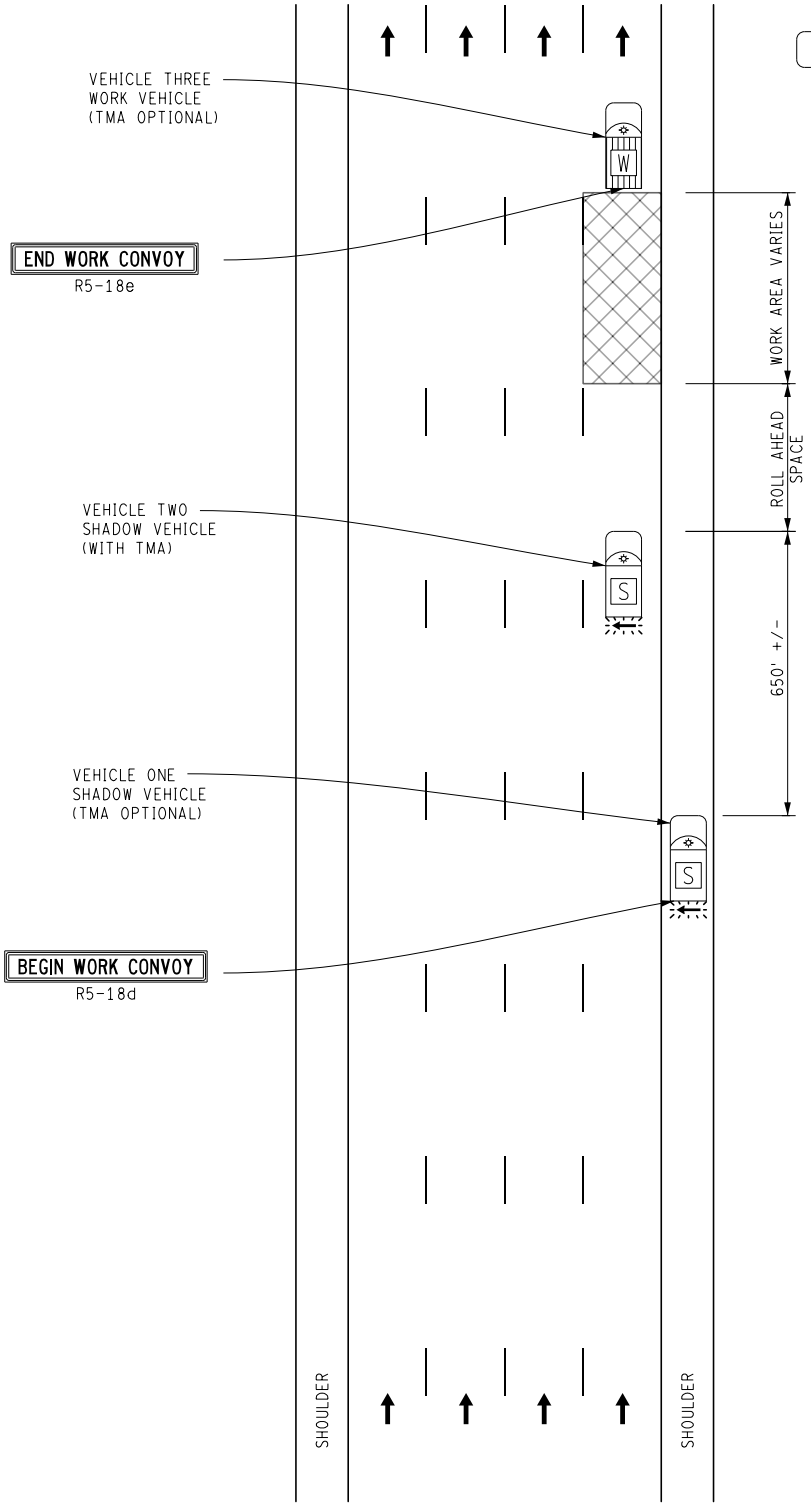
GENERAL: G1, G2, G3, G4
SIGNING: S1
MAINT & SURV: MS2, MS3, MS4

NOT TO SCALE

MDOT Michigan Department of Transportation	MAINTENANCE MAINTAINING TRAFFIC TYPICAL	DURATION: SHORT-DURATION MOBILE	SHOULDER WORK ON A DIVIDED ROADWAY OR FREEWAY	DATE: MAY 2021
				NO: 4420-M-FW-SHL
FILE: 4420-M-FW-SHL.dgn				SHEET: 1 OF 1

KEY

- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- SHADOW VEHICLE WITH OPTIONAL TRUCK MOUNTED ATTENUATOR
- WORK VEHICLE WITH OPTIONAL TRUCK MOUNTED ATTENUATOR



STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G3, G4
SIGNING: S1
MAINT & SURV: MS1, MS2, MS3, MS4, MS5

NOTES

1. THIS TYPICAL ALSO MAY BE USED WHEN WORK IS BEING PERFORMED IN THE LANE ADJACENT TO THE MEDIAN OF THE ROADWAY. IN THIS CASE, THE "LEFT LANE CLOSED AHEAD" SIGNS SHALL BE SUSTITUTED.

NOT TO SCALE

MDOT Michigan Department of Transportation	MAINTENANCE MAINTAINING TRAFFIC TYPICAL	DURATION: SHORT-DURATION MOBILE	**MOBILE OPERATION ON A MULTI-LANE ROADWAY**	DATE: MAY 2021 NO: 4421-M-FW-1LC SHEET: 1 OF 1
FILE: 4421-M-FW-1LC.dgn				

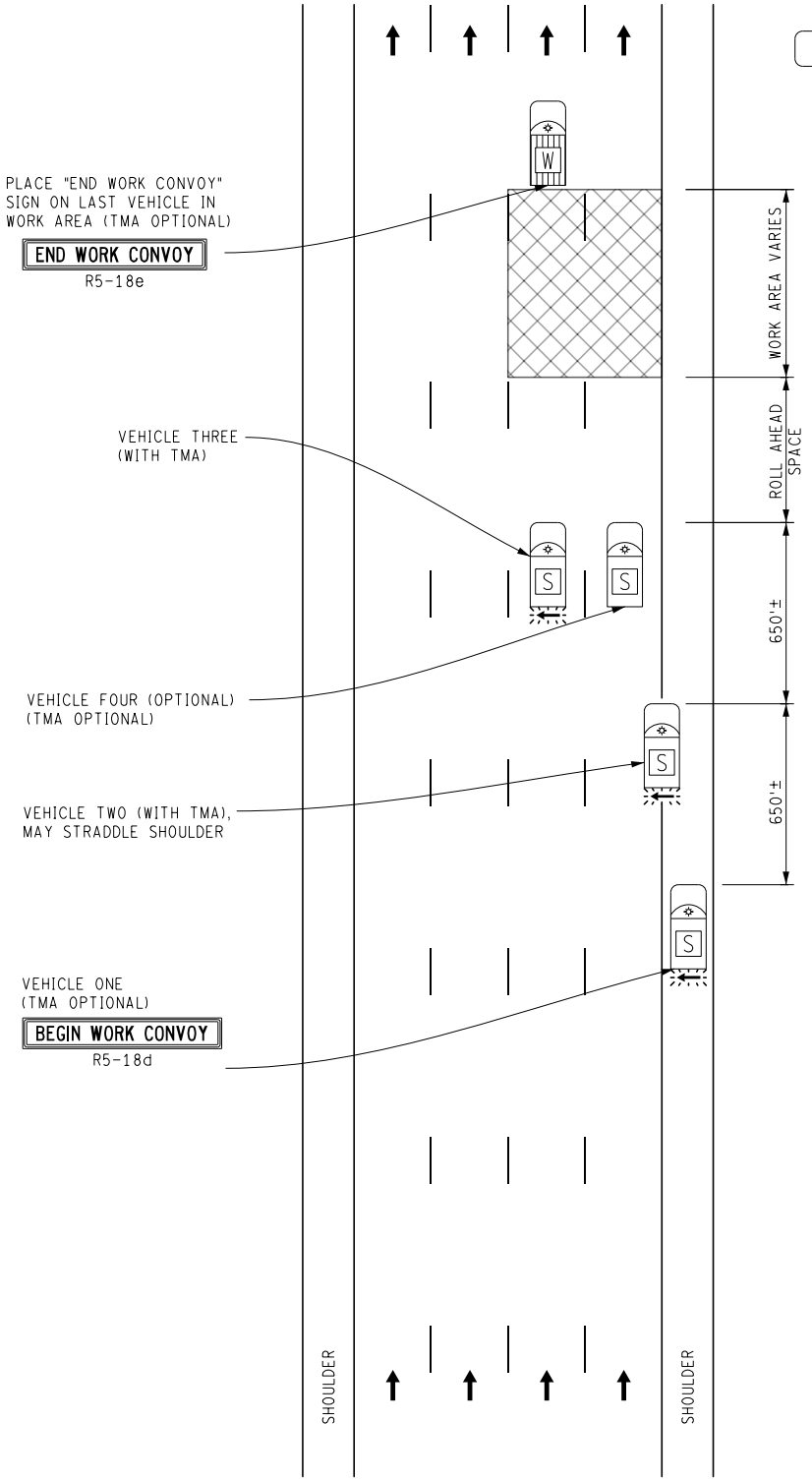
KEY

LIGHTED ARROW PANEL

TRAFFIC FLOW

SHADOW VEHICLE WITH OPTIONAL TRUCK MOUNTED ATTENUATOR

WORK VEHICLE WITH OPTIONAL TRUCK MOUNTED ATTENUATOR



STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1
MAINT & SURV: MS1, MS2, MS3, MS4, MS5

NOTES

1. THIS TYPICAL ALSO MAY BE USED WHEN WORK IS BEING PERFORMED IN THE LANE ADJACENT TO THE MEDIAN OF THE ROADWAY. IN THIS CASE, THE "LEFT TWO LANES CLOSED AHEAD" SIGNS SHALL BE SUSTITUTED.

NOT TO SCALE

MDOT Michigan Department of Transportation	MAINTENANCE MAINTAINING TRAFFIC TYPICAL	DURATION: SHORT-DURATION MOBILE	MOBILE OPERATION ON A MULTI-LANE ROADWAY - 2 LANES	DATE: MAY 2021
				NO: 4422-M-FW-2LC
FILE: 4422-M-FW-2LC.dgn				SHEET: 1 OF 1

MDOT
Michigan Department of Transportation

SURVEY MAINTAINING TRAFFIC TYPICALS

MDOT Michigan Department of Transportation	COVER SHEET	SURVEY COVER SHEET	DATE: MAY 2021
	NO:		SHEET:
FILE: Cover for Survey.dgn			1 OF 1

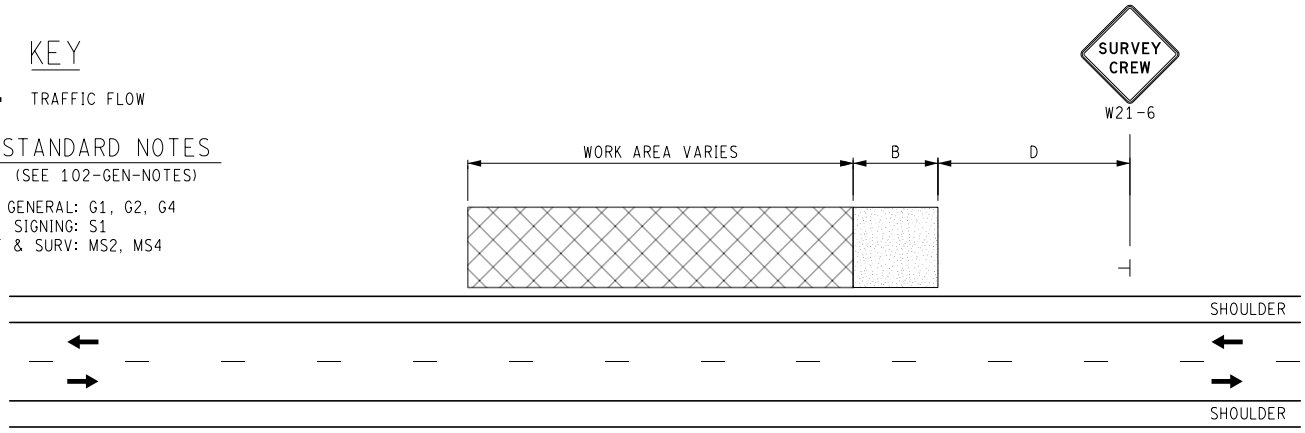
KEY

TRAFFIC FLOW

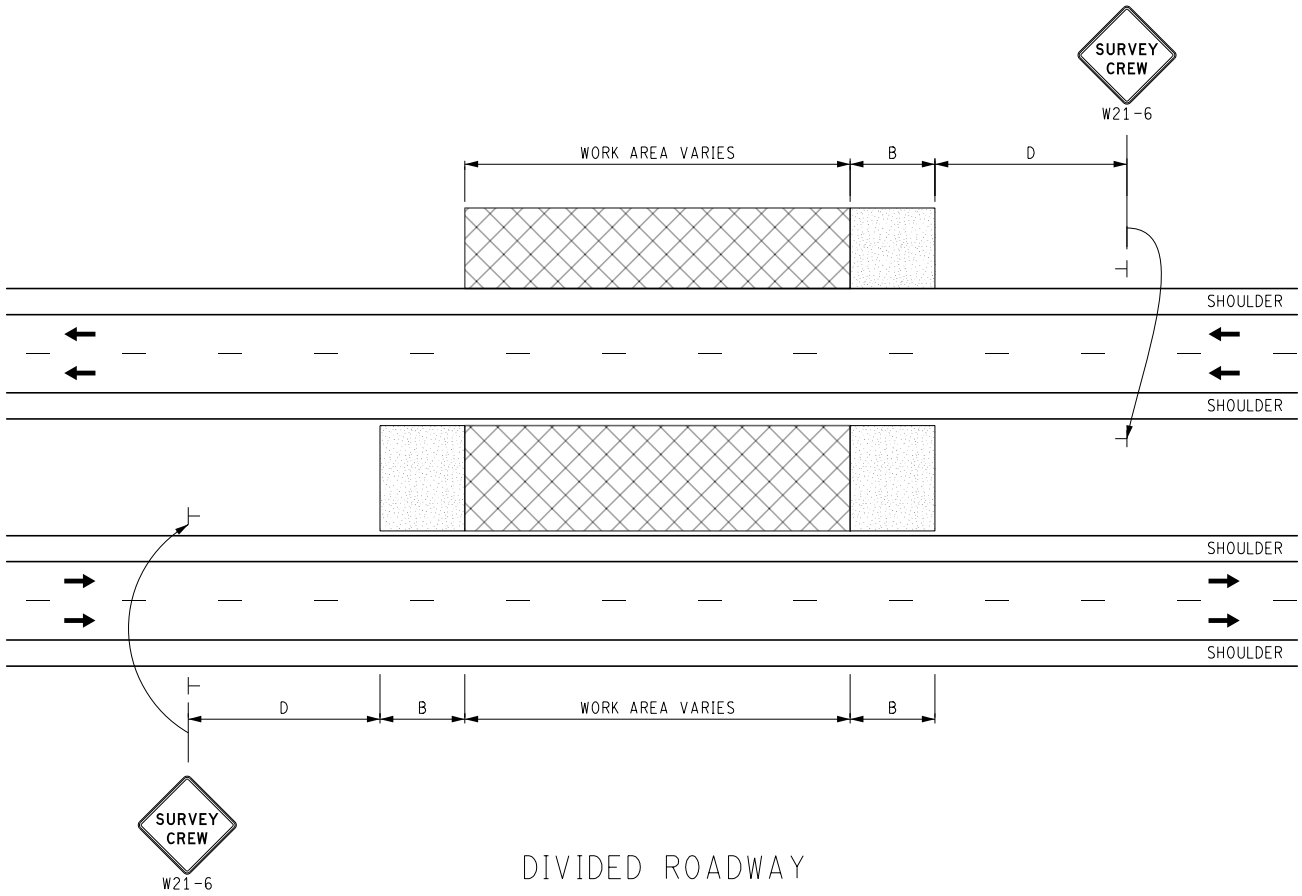
STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G4
SIGNING: S1
MAINT & SURV: MS2, MS4



UNDIVIDED MULTI-LANE ROADWAY



DIVIDED ROADWAY

NOTES

1. FOR SHORT-DURATION OR MOBILE OPERATIONS, NO SIGNS ARE REQUIRED IF APPROPRIATELY EQUIPPED VEHICLES ARE USED.
2. IF THE OPERATION HAS VEHICLE(S) PARKED ON THE SHOULDER OR VEHICLES ACCESSING THE WORK SITE VIA THE HIGHWAY OR CROSSING THE HIGHWAY TO PERFORM OPERATIONS, A W21-6 SIGN, W20-1 SIGN, OR AN ARROW BOARD IN CAUTION MODE SHALL BE USED.
3. WORK VEHICLES SHOULD BE PARKED AS FAR OFF THE TRAVELED WAY AS PRACTICAL.
4. IF THE WORK SPACE IS IN THE MEDIAN OF A DIVIDED ROADWAY, ADVANCE WARNING SIGNS SHALL BE PLACED IN BOTH DIRECTIONS OF TRAVEL.
5. VEHICLES AND PERSONNEL SHOULD ALL BE LOCATED AND PARKED ON THE SAME SIDE OF THE ROADWAY TO THE EXTENT PRACTICAL.

NOT TO SCALE

MDOT Michigan Department of Transportation	SURVEYING MAINTAINING TRAFFIC TYPICAL	DURATION: APPLIES TO ALL DURATIONS	**WORK OUTSIDE SHOULDER**	DATE: MAY 2021
				NO: 5000-S-SHL-OUT
FILE: 5000-S-SHL-OUT.dgn				SHEET: 1 OF 1

KEY

- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL (CAUTION MODE)
- TRAFFIC FLOW
- TRAFFIC REGULATOR

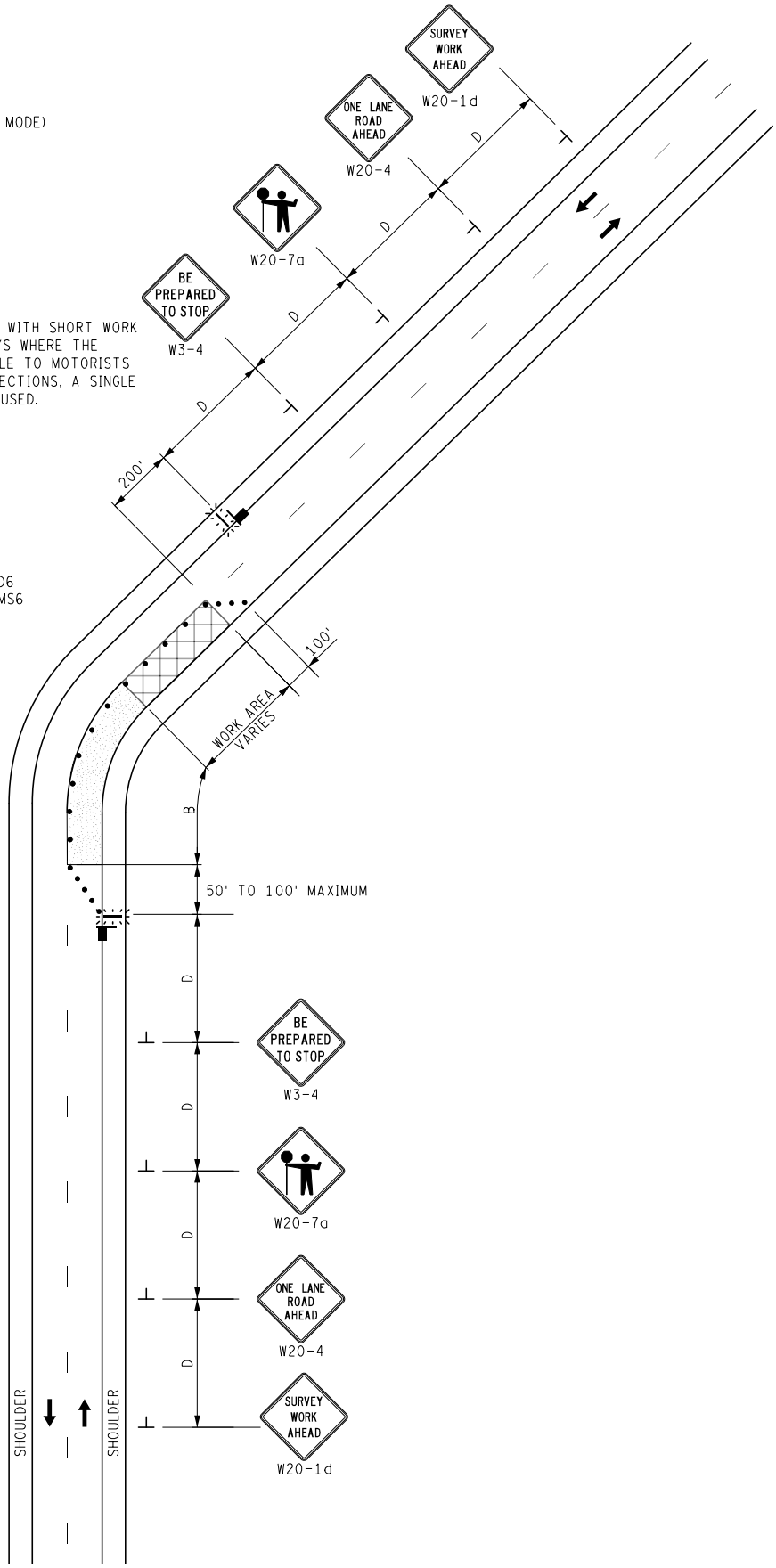
NOTES

1. FOR LOW VOLUME SITUATIONS WITH SHORT WORK ZONES ON STRAIGHT ROADWAYS WHERE THE TRAFFIC REGULATOR IS VISIBLE TO MOTORISTS APPROACHING FROM BOTH DIRECTIONS, A SINGLE TRAFFIC REGULATOR MAY BE USED.

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1
TRAF REG: TR1, TR2, TR3
DEVICES: TCD1, TCD2, TCD6
MAINT & SURV: MS2, MS3, MS4, MS6



NOT TO SCALE

MDOT Michigan Department of Transportation	SURVEYING MAINTAINING TRAFFIC TYPICAL	DURATION: SHORT-TERM STATIONARY	LANE CLOSURE ON A TWO-LANE, TWO-WAY ROADWAY UTILIZING TRAFFIC REGULATORS	DATE: MAY 2021
				NO: 5110-S-TR-NFW-2L
FILE: 5110-S-TR-NFW-2L.dgn				SHEET: 1 OF 1

KEY

- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL (CAUTION MODE)
- TRAFFIC FLOW
- SHADOW VEHICLE WITH OPTIONAL TRUCK MOUNTED ATTENUATOR

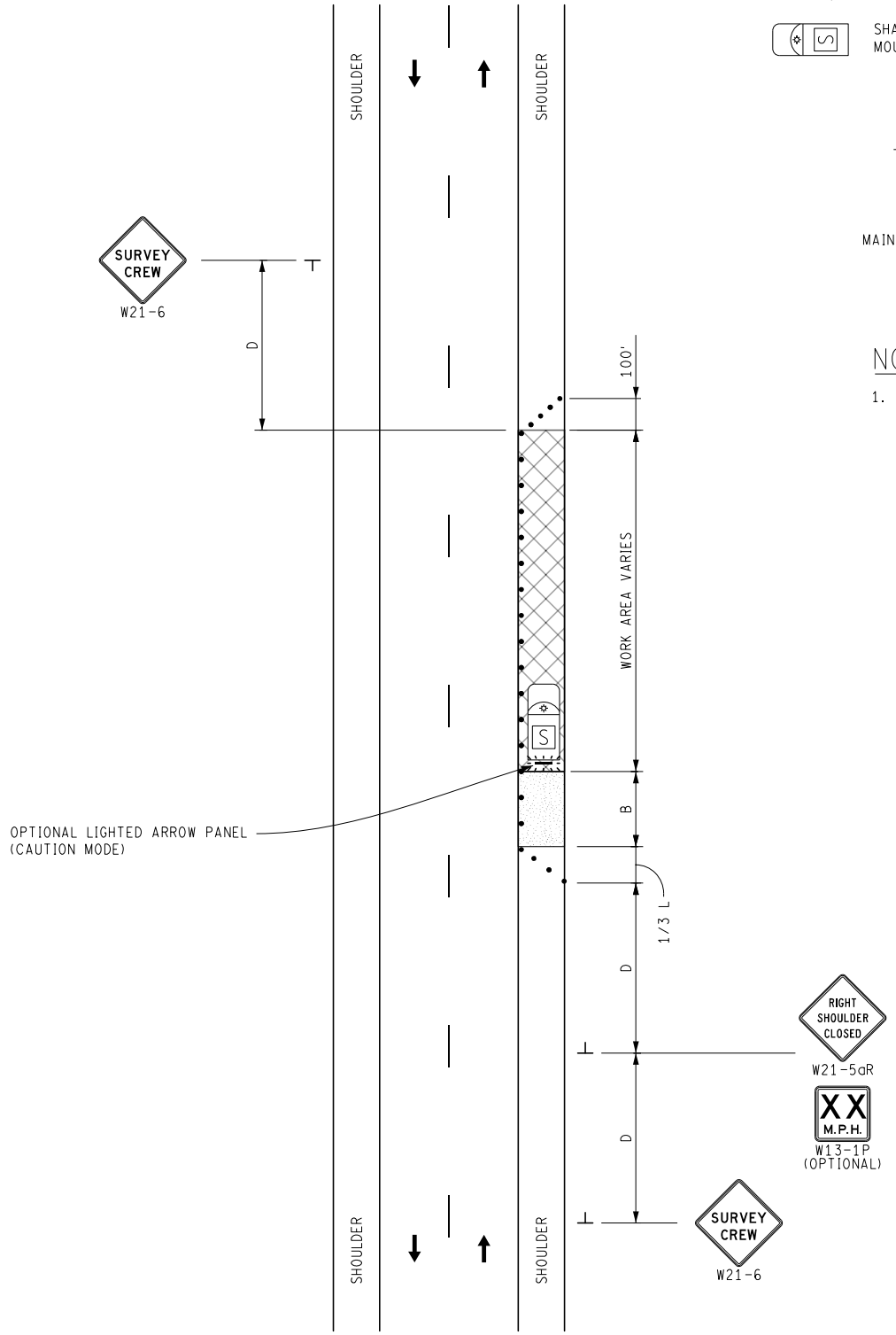
STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1
DEVICES: TCD1, TCD2, TCD6
MAINT & SURV: MS1, MS2, MS3, MS4, MS6

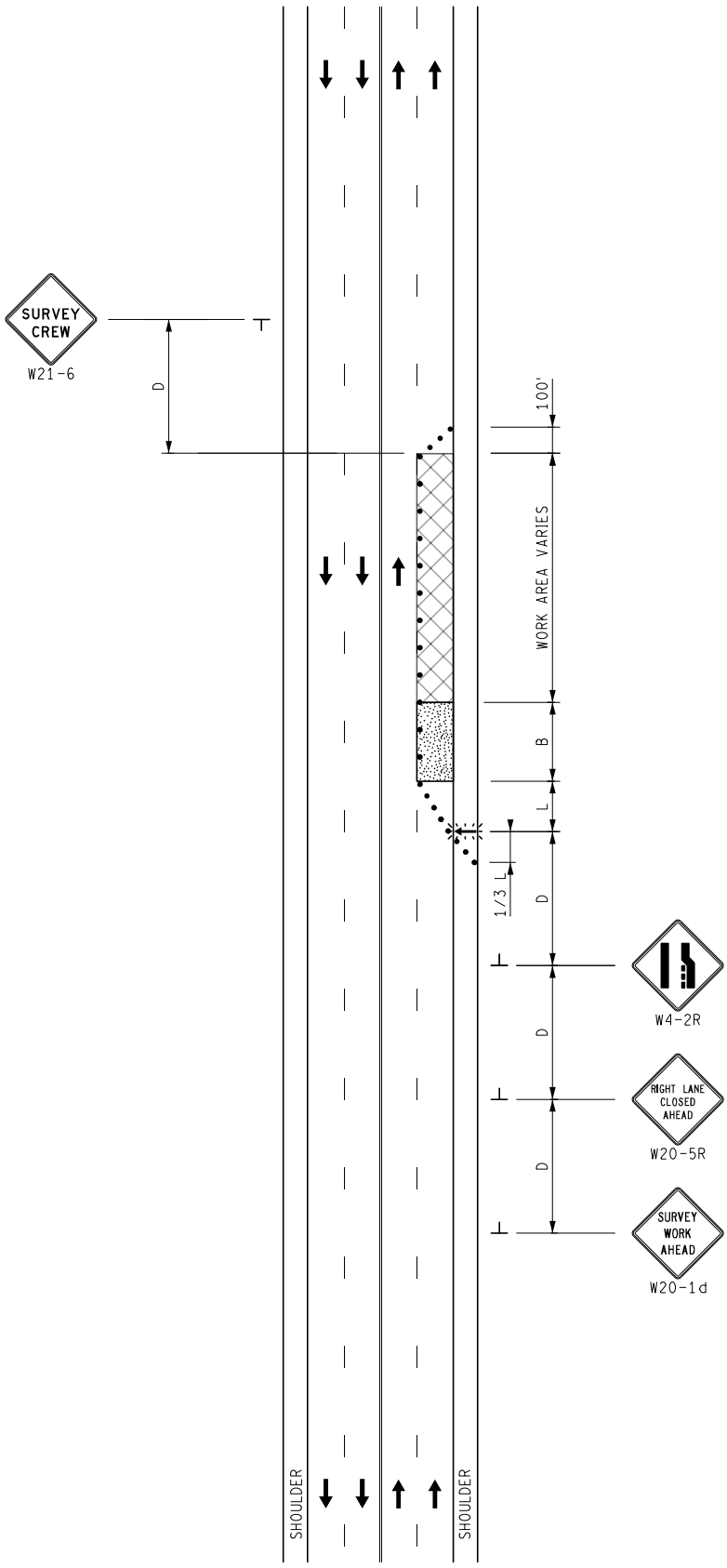
NOTES

1. IF MINOR ENCROACHMENT INTO THE TRAVEL LANE OCCURS, ALL LANES SHOULD BE A MINIMUM OF 10 FEET IN WIDTH, OTHERWISE THE APPROPRIATE LANE CLOSURE SHOULD BE USED.



NOT TO SCALE

MDOT Michigan Department of Transportation	SURVEYING MAINTAINING TRAFFIC TYPICAL	DURATION: SHORT-TERM STATIONARY	SHOULDER CLOSURE ON A TWO-LANE, TWO-WAY ROADWAY	DATE: MAY 2021
				NO: 5122-S-NFW-SHL
FILE: 5122-S-NFW-SHL.dgn				SHEET: 1 OF 1



KEY

- • • • CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW

NOTES

1. FOR SHORT DURATION OPERATIONS, AT LEAST ONE ADVANCE WARNING SIGN (W21-6 OR W20-1) MUST BE USED.

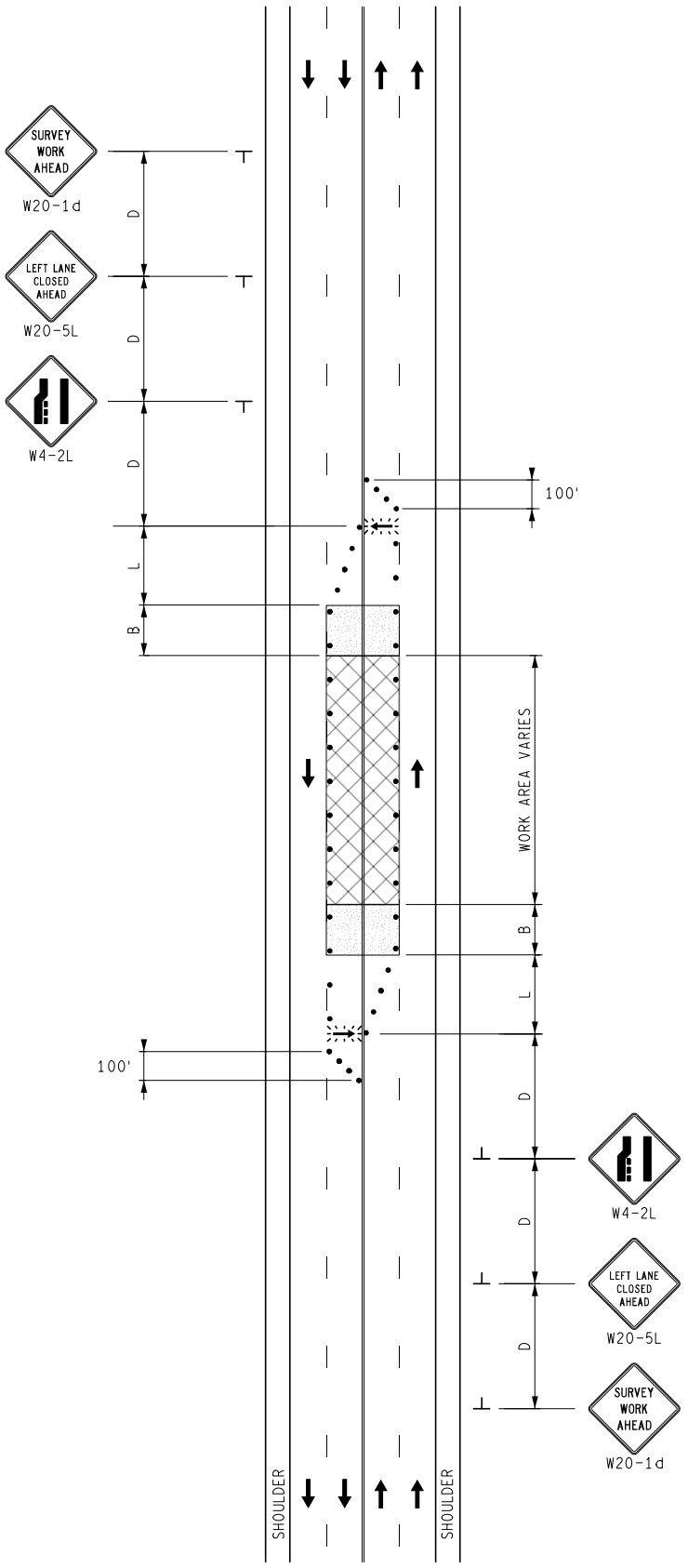
STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1
DEVICES: TCD1, TCD2, TCD6
MAINT & SURV: MS2, MS3, MS4, MS6

NOT TO SCALE

MDOT Michigan Department of Transportation	SURVEYING MAINTAINING TRAFFIC TYPICAL	DURATION: SHORT-TERM STATIONARY SHORT DURATION	SINGLE LANE CLOSURE ON AN UNDIVIDED MULTI-LANE ROADWAY	DATE: MAY 2021
				NO: 5123-S-NFW-1LC-(R)
FILE: 5123-S-NFW-1LC-(R).dgn				SHEET: 1 OF 1



KEY

- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW

NOTES

1. FOR SHORT DURATION OPERATIONS, AT LEAST ONE ADVANCE WARNING SIGN (W20-1 OR W21-6) SHALL BE USED.

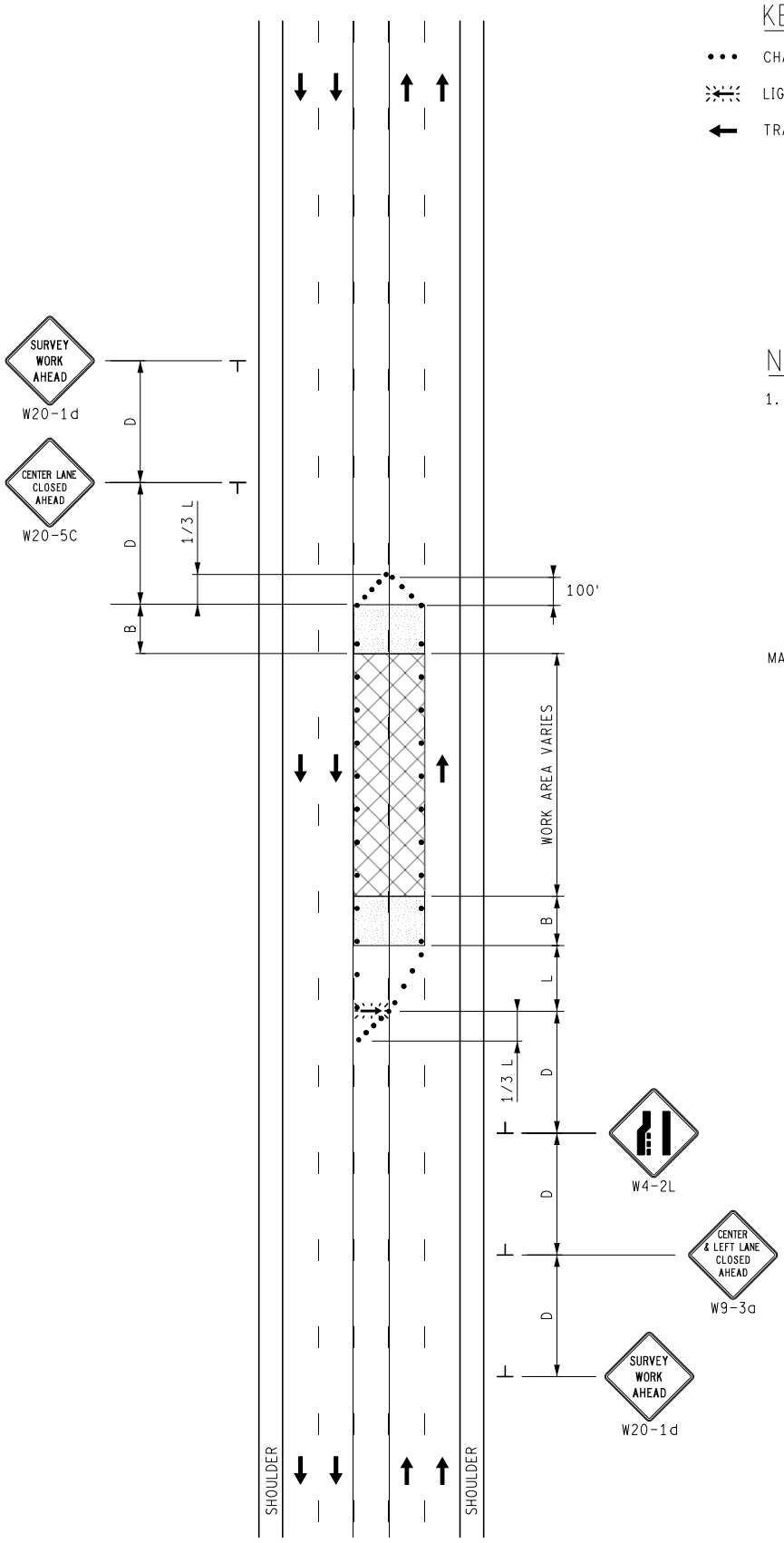
STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1
DEVICES: TCD1, TCD2, TCD6
MAINT & SURV: MS2, MS3, MS4, MS6

NOT TO SCALE

MDOT Michigan Department of Transportation	SURVEYING MAINTAINING TRAFFIC TYPICAL	DURATION: SHORT-TERM STATIONARY SHORT DURATION	LANE CLOSURE - INSIDE TWO LANES OF AN UNDIVIDED MULTI-LANE ROADWAY	DATE: MAY 2021
				NO: 5125-S-NFW-2LC-(IN)
FILE: 5125-S-NFW-2LC-(IN).dgn				SHEET: 1 OF 1



KEY

- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW

NOTES

1. FOR SHORT DURATION OPERATIONS, AT LEAST ONE ADVANCE WARNING SIGN (W21-6 OR W20-1) SHALL BE USED.

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1
DEVICES: TCD1, TCD2, TCD6
MAINT & SURV: MS2, MS3, MS4, MS6

NOT TO SCALE

MDOT Michigan Department of Transportation	SURVEYING MAINTAINING TRAFFIC TYPICAL	DURATION: SHORT-TERM STATIONARY SHORT DURATION	CENTER AND LEFT LANE CLOSURE OF AN UNDIVIDED MULTI-LANE ROADWAY	DATE: MAY 2021
				NO: 5133-S-CLT-1LC-(L)
FILE: 5133-S-CLT-1LC-(L).dgn				SHEET: 1 OF 1

KEY

- • • • CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW

NOTES

1. IF THE WORK SPACE IS LESS THAN 1/2 MILE FROM THE BEGINNING OF THE PASSING LANE, THE PASSING LANE SHOULD BE CLOSED FROM THE BEGINNING.
2. IF THERE IS LESS THAN 1000 FEET OF PASSING LANE REMAINING BEYOND THE WORK SPACE, THE PASSING LANE SHOULD BE CLOSED TO THE END.
3. COVER CONFLICTING PERMANENT ADVANCED PASSING LANE SIGNS PRIOR TO THE WORK SPACE.

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1
DEVICES: TCD1, TCD2, TCD6
MAINT & SURV: MS2, MS3, MS4, MS6

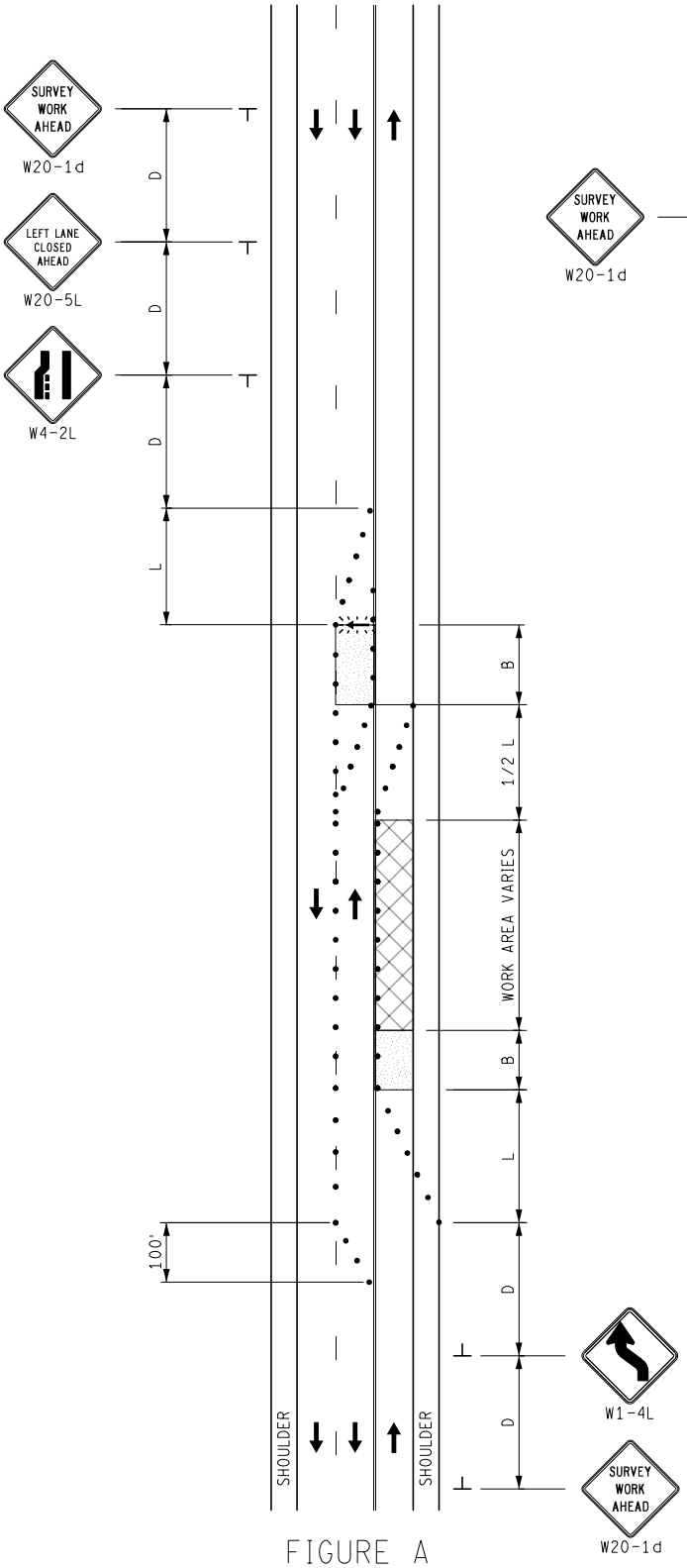


FIGURE A

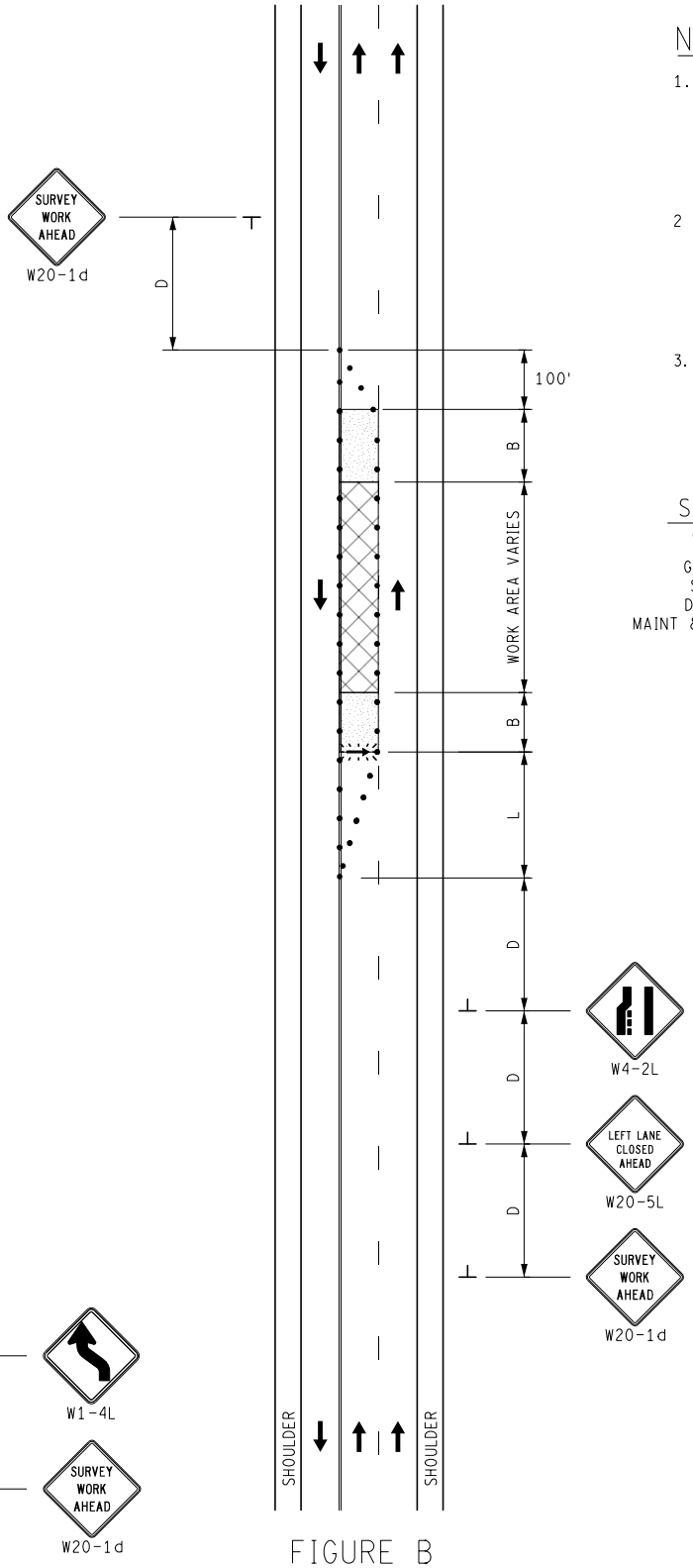


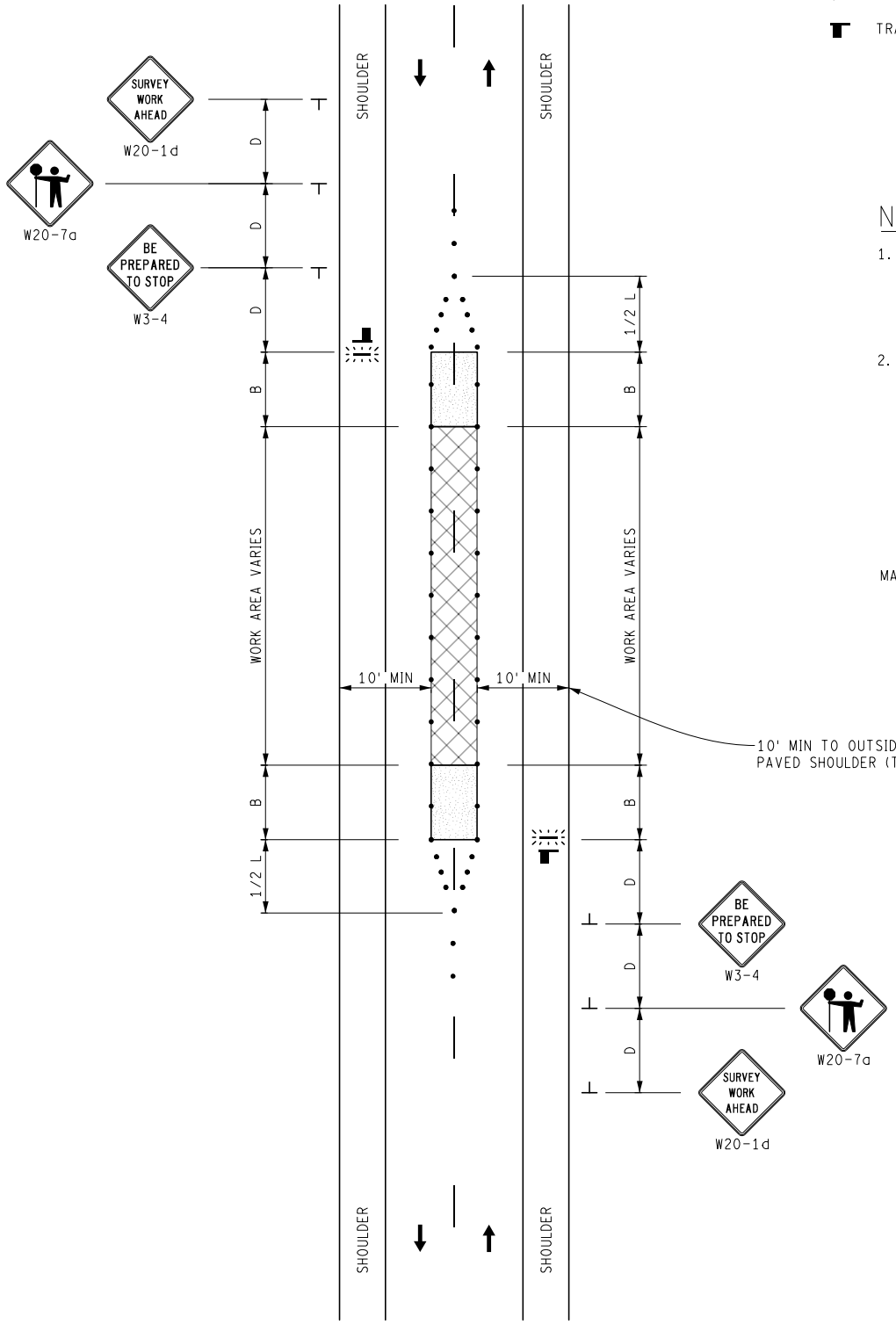
FIGURE B

NOT TO SCALE

MDOT Michigan Department of Transportation	SURVEYING MAINTAINING TRAFFIC TYPICAL	DURATION: SHORT-TERM STATIONARY	LANE CLOSURE ON A 3-LANE, TWO-WAY ROADWAY	DATE: MAY 2021
				NO: 5181-S-NFW-1LC
FILE: 5181-S-NFW-1LC.dgn				SHEET: 1 OF 1

KEY

- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL (CAUTION MODE)
- TRAFFIC FLOW
- TRAFFIC REGULATOR



NOTES

1. TYPICAL MAY ONLY BE USED ON LOW VOLUME ROADWAYS WITH POSTED SPEED LIMIT OF 55 MPH OR LESS AND SUFFICIENT LANE AND SHOULDER WIDTH TO ALLOW 10 FT TRAVEL LANES ON EACH SIDE OF WORK SPACE.
2. FOR SURVEYING ON THE CENTERLINE OF A HIGH VOLUME OR HIGHER SPEED ROAD, ONE LANE SHALL BE CLOSED USING APPROPRIATE LANE CLOSURE.

STANDARD NOTES

(SEE 102-GEN-NOTES)

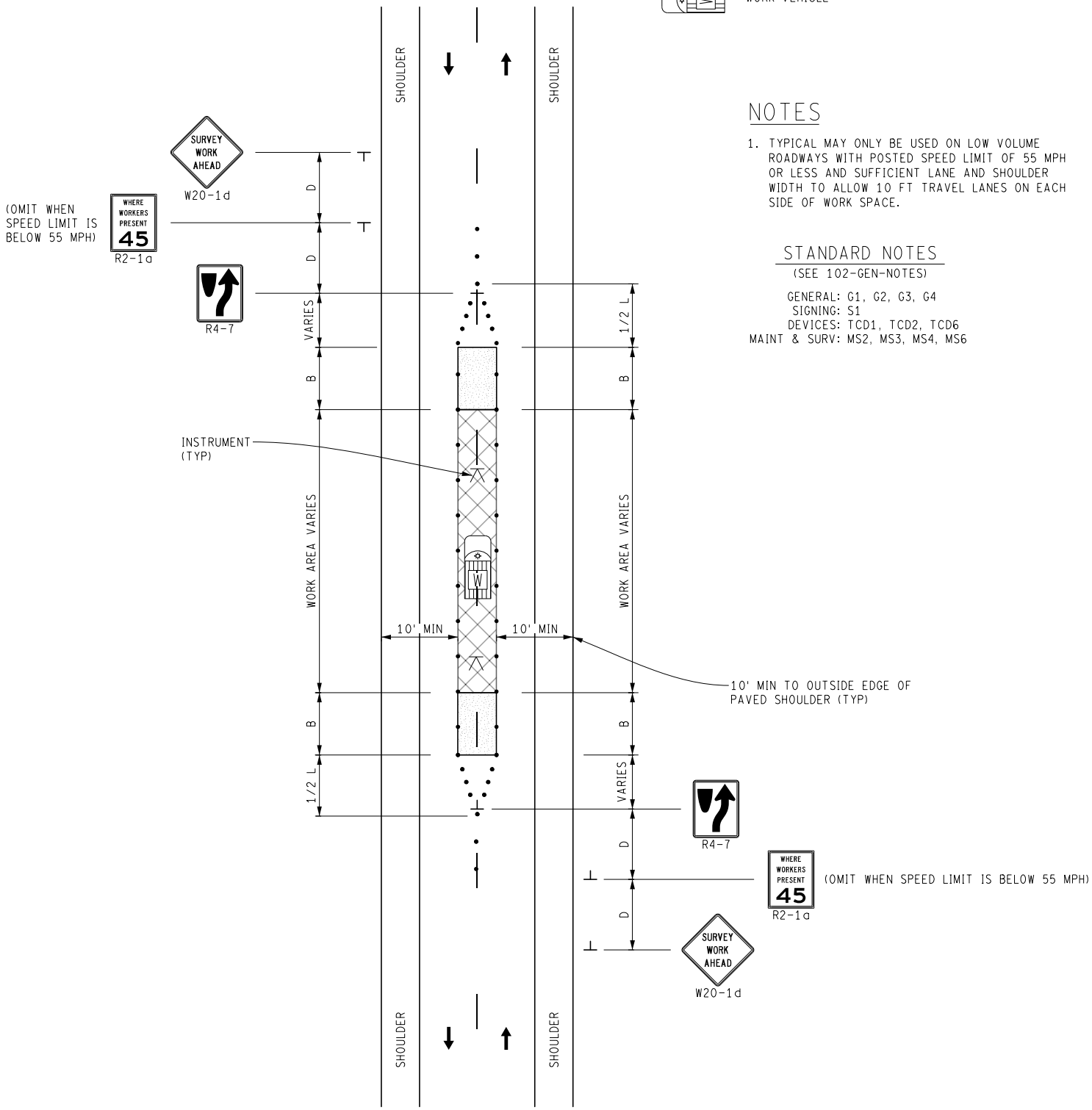
GENERAL: G1, G2, G3, G4
SIGNING: S1
TRAF REG: TR1, TR2
DEVICES: TCD1, TCD2, TCD6
MAINT & SURV: MS2, MS3, MS4, MS6

NOT TO SCALE

MDOT Michigan Department of Transportation	SURVEYING MAINTAINING TRAFFIC TYPICAL	DURATION: SHORT-TERM STATIONARY	CLOSURE OF THE CENTER OF A TWO-LANE, TWO-WAY ROADWAY UTILIZING TRAFFIC REGULATORS FOR POSTED SPEEDS OF 55 MPH OR LESS	DATE: MAY 2021
				NO: 5182A-S-NFW-MID
FILE: 5182A-S-NFW-MID.dgn				SHEET: 1 OF 1

KEY

- • • • CHANNELIZING DEVICES
- ← TRAFFIC FLOW
- WORK VEHICLE



NOTES

1. TYPICAL MAY ONLY BE USED ON LOW VOLUME ROADWAYS WITH POSTED SPEED LIMIT OF 55 MPH OR LESS AND SUFFICIENT LANE AND SHOULDER WIDTH TO ALLOW 10 FT TRAVEL LANES ON EACH SIDE OF WORK SPACE.

STANDARD NOTES

(SEE 102-GEN-NOTES)

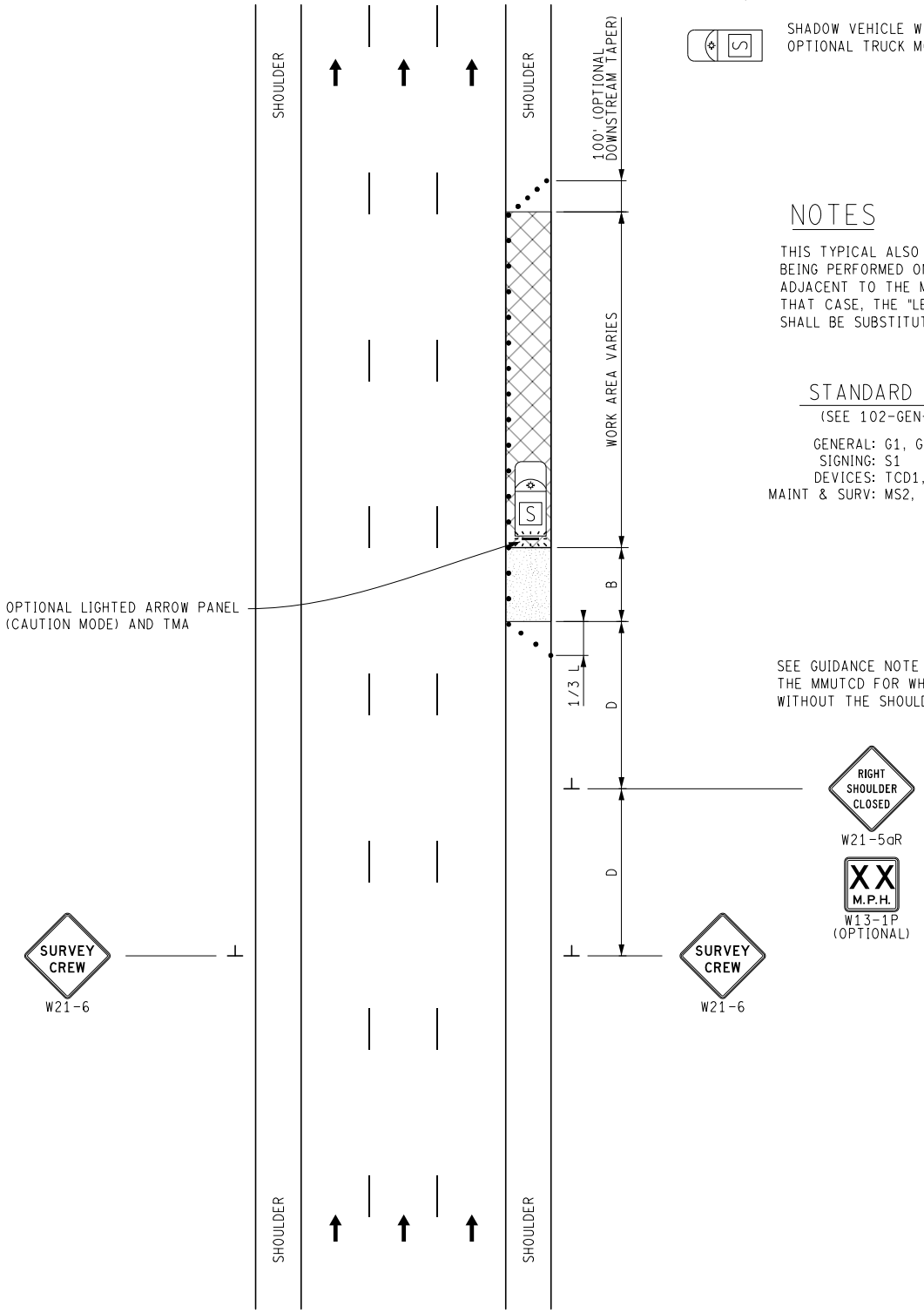
GENERAL: G1, G2, G3, G4
SIGNING: S1
DEVICES: TCD1, TCD2, TCD6
MAINT & SURV: MS2, MS3, MS4, MS6

NOT TO SCALE

MDOT Michigan Department of Transportation	SURVEYING MAINTAINING TRAFFIC TYPICAL	DURATION: SHORT-TERM STATIONARY	CLOSURE OF THE CENTER OF A TWO-LANE, TWO-WAY ROADWAY WITH LOW TRAFFIC VOLUMES	DATE: MAY 2021
				NO: 5182B-S-NFW-MID
FILE: 5182B-S-NFW-MID.dgn				SHEET: 1 OF 1

KEY

- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL (CAUTION MODE)
- TRAFFIC FLOW
- SHADOW VEHICLE WITH AMBER BEACON AND OPTIONAL TRUCK MOUNTED ATTENUATOR



NOTES

THIS TYPICAL ALSO MAY BE USED WHEN WORK IS BEING PERFORMED ON THE LEFT SHOULDER ADJACENT TO THE MEDIAN OF THE FREEWAY. IN THAT CASE, THE "LEFT SHOULDER CLOSED" SIGN SHALL BE SUBSTITUTED.

STANDARD NOTES

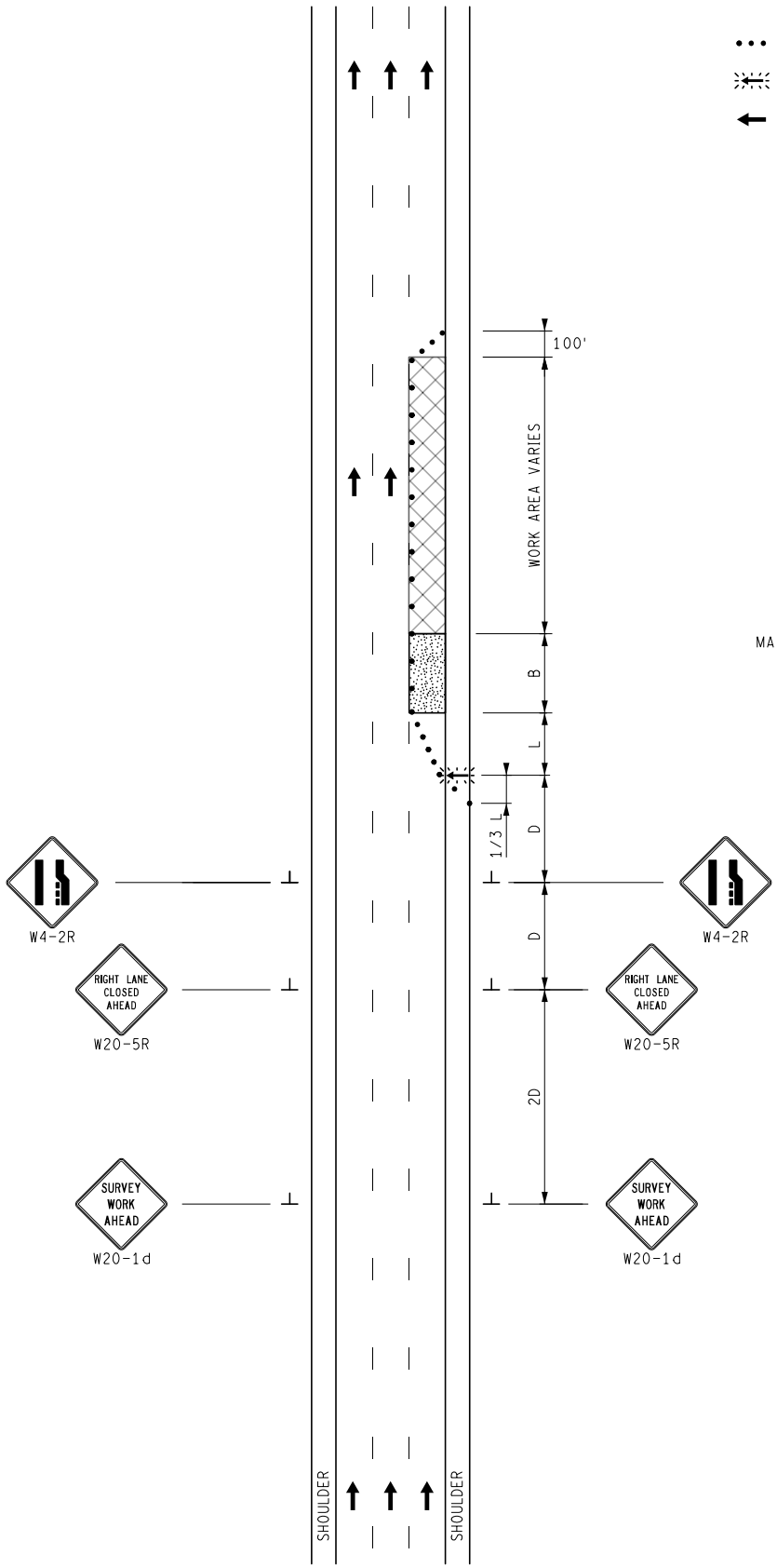
(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1
DEVICES: TCD1, TCD2, TCD6
MAINT & SURV: MS2, MS3, MS4, MS6

SEE GUIDANCE NOTE 03 IN SECTION 6G.07 OF THE MMUTCD FOR WHY THE SIGN ON THE SIDE WITHOUT THE SHOULDER CLOSURE IS NOT NEEDED.

NOT TO SCALE

MDOT Michigan Department of Transportation	SURVEYING MAINTAINING TRAFFIC TYPICAL	DURATION: SHORT-TERM STATIONARY	SHOULDER CLOSURE ON A DIVIDED ROADWAY OR FREEWAY	DATE: MAY 2021
				NO: 5200-S-FW-SHL
FILE: 5200-S-FW-SHL.dgn				SHEET: 1 OF 1



KEY

- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW

NOTES

1. THIS TYPICAL MAY ALSO BE USED WHEN WORK IS BEING PERFORMED IN THE LANE ADJACENT TO THE MEDIAN. IN THIS CASE, THE "LEFT LANE CLOSED AHEAD" SIGNS AND THE CORRECT CORRESPONDING LANE ENDS SIGN SHALL BE SUBSTITUTED.

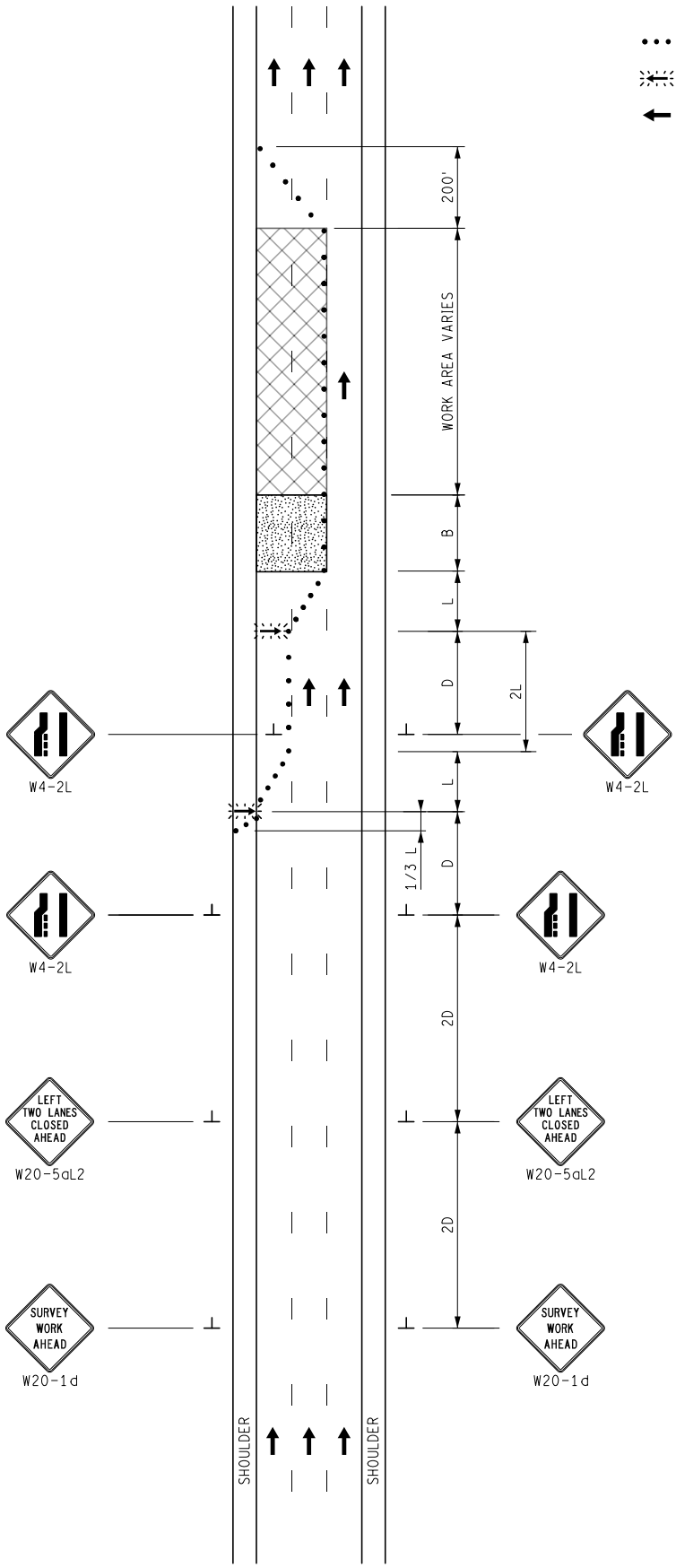
STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1
DEVICES: TCD1, TCD2, TCD6
MAINT & SURV: MS2, MS3, MS4, MS6

NOT TO SCALE

MDOT Michigan Department of Transportation	SURVEYING MAINTAINING TRAFFIC TYPICAL	DURATION: SHORT-TERM STATIONARY	SINGLE LANE CLOSURE ON A FREEWAY	DATE: MAY 2021
				NO: 5203-S-FW-1LC
FILE: 5203-S-FW-1LC.dgn				SHEET: 1 OF 1



KEY

- CHANNELIZING DEVICES
- LIGHTED ARROW PANEL
- TRAFFIC FLOW

NOTES

1. THIS TYPICAL MAY ALSO BE USED WHEN WORK IS BEING PERFORMED IN THE LANE ADJACENT TO THE OUTSIDE OF THE FREEWAY. IN THAT CASE, W20-5aL2 AND W4-2L MUST BE SUBSTITUTED WITH W20-5aR2 AND W4-2R.
2. A LIGHTED ARROW PANEL IN ARROW MODE IS REQUIRED FOR EACH LANE CLOSURE.

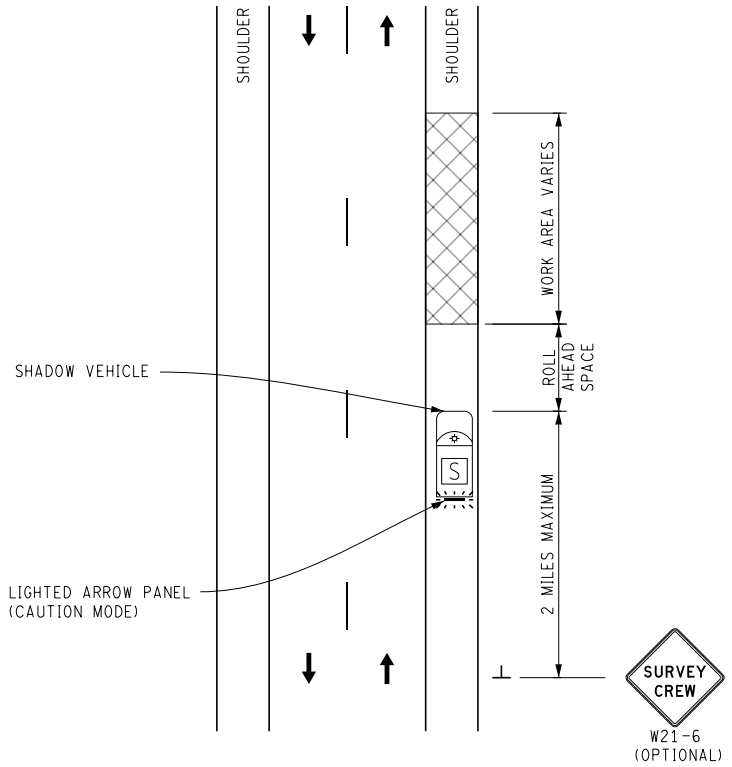
STANDARD NOTES

(SEE 102-GEN-NOTES)

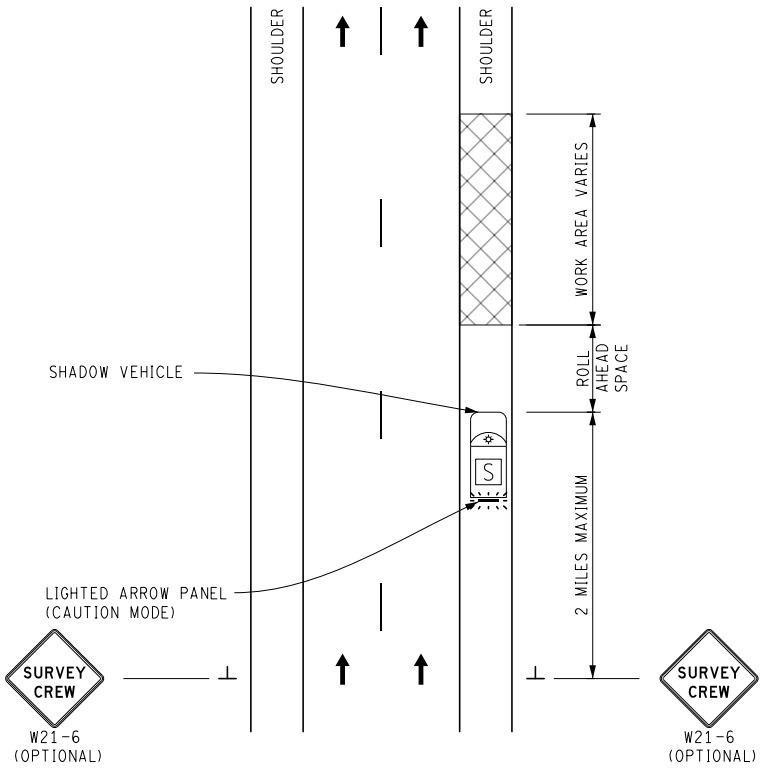
GENERAL: G1, G2, G3, G4
SIGNING: S1
DEVICES: TCD1, TCD2, TCD6
MAINT & SURV: MS2, MS3, MS4, MS6

NOT TO SCALE

MDOT Michigan Department of Transportation	SURVEYING MAINTAINING TRAFFIC TYPICAL	DURATION: SHORT-TERM STATIONARY	TWO-LANE CLOSURE ON A FREEWAY	DATE: MAY 2021
				NO: 5205-S-FW-2LC-(L)
FILE: 5205-S-FW-2LC-(L).dgn				SHEET: 1 OF 1



SHOULDER WORK ON A TWO LANE, TWO WAY ROADWAY WITHIN 150 FEET OF VEHICLE



SHOULDER WORK ON A DIVIDED ROADWAY OR FREEWAY WITHIN 150 FEET OF VEHICLE

KEY

LIGHTED ARROW PANEL (CAUTION MODE)

TRAFFIC FLOW

SHADOW VEHICLE

STANDARD NOTES

(SEE 102-GEN-NOTES)

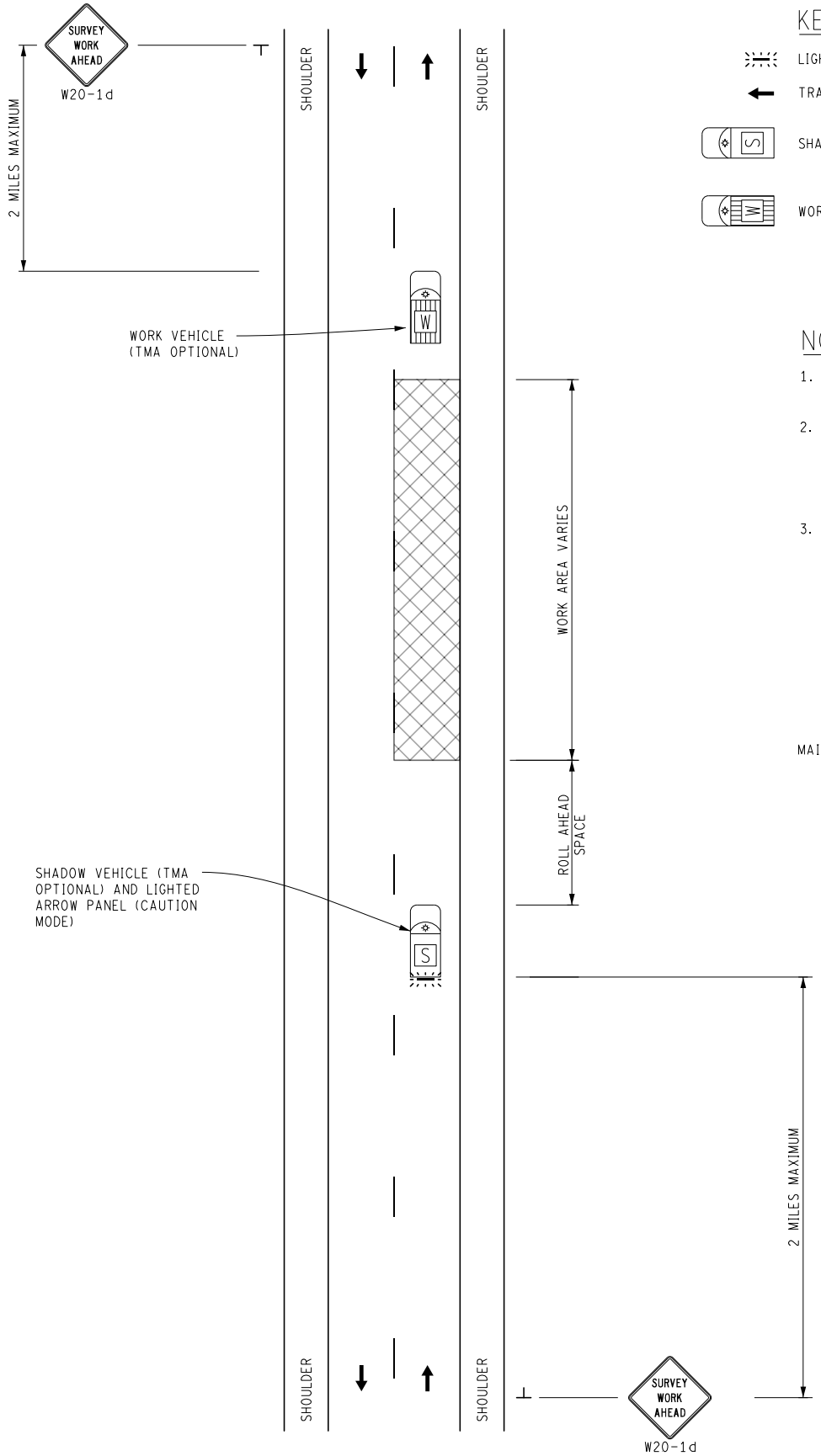
GENERAL: G1, G2, G3, G4
SIGNING: S1
MAINT & SURV: MS1, MS2, MS3, MS4, MS6

NOTES

1. AT A MINIMUM, MAINTAINING TRAFFIC SHALL CONSIST OF A VEHICLE WITH AN AMBER BEACON. NO SIGNS OR CHANNELIZING DEVICES ARE REQUIRED.
2. IF THE OPERATION HAS A VEHICLE(S) PARKED ON THE SHOULDER OR VEHICLE(S) ACCESSING THE WORK SITE VIA THE HIGHWAY OR CROSSING THE HIGHWAY TO PERFORM OPERATIONS, A "SURVEY CREW" SIGN(S) SHOULD BE USED. THE W21-6 SIGN(S) SHOULD BE PLACED PRIOR TO WORK ARE TO INDICATE TO THE PUBLIC THAT A SURVEY CREW IS IN THE AREA. THE ADVANCED SIGNAGE SHOULD BE WITHIN 2 MILES OF THE SURVEY AREA.
3. WORK IN THE ROADWAY COINCIDES WITH GAPS IN THE TRAFFIC SO FLOW IS NOT IMPEDED. A SPOTTER SHOULD BE USED AND LOCATED SUFFICIENTLY IN ADVANCE OF THE WORKERS TO WARN WORKERS OF APPROACHING TRAFFIC.
4. DO NOT USE THIS TYPICAL IF TRAFFIC MUST BE CONTROLLED TO GAIN SAFE ACCESS TO THE WORK SPACE DUE TO HIGH TRAVEL SPEEDS OR TRAFFIC VOLUMES. USE THE APPROPRIATE LANE CLOSURE TYPICAL.

NOT TO SCALE

MDOT Michigan Department of Transportation	SURVEYING MAINTAINING TRAFFIC TYPICAL	DURATION: SHORT DURATION MOBILE	SHOULDER WORK ON A DIVIDED ROADWAY, FREEWAY, OR TWO-LANE, TWO-WAY ROADWAY WITHIN 150 FEET OF VEHICLE	DATE: MAY 2021
				NO: 5401-S-SHL
FILE: 5401-S-SHL.dgn				SHEET: 1 OF 1



KEY

- LIGHTED ARROW PANEL (CAUTION MODE)
- TRAFFIC FLOW
- SHADOW VEHICLE
- WORK VEHICLE

NOTES

1. IF A LIGHTED ARROW PANEL IS USED, IT SHALL BE IN CAUTION MODE.
2. THE SIGN(S) SHOULD BE PLACED PRIOR TO WORK AREA TO INDICATE TO THE PUBLIC THAT A SURVEY CREW IS IN THE AREA. THE ADVANCED SIGNAGE SHOULD BE WITHIN 2 MILES OF THE SURVEY AREA.
3. WHERE PRACTICAL AND WHEN NEEDED, THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW VEHICULAR TRAFFIC TO PASS.

STANDARD NOTES

(SEE 102-GEN-NOTES)

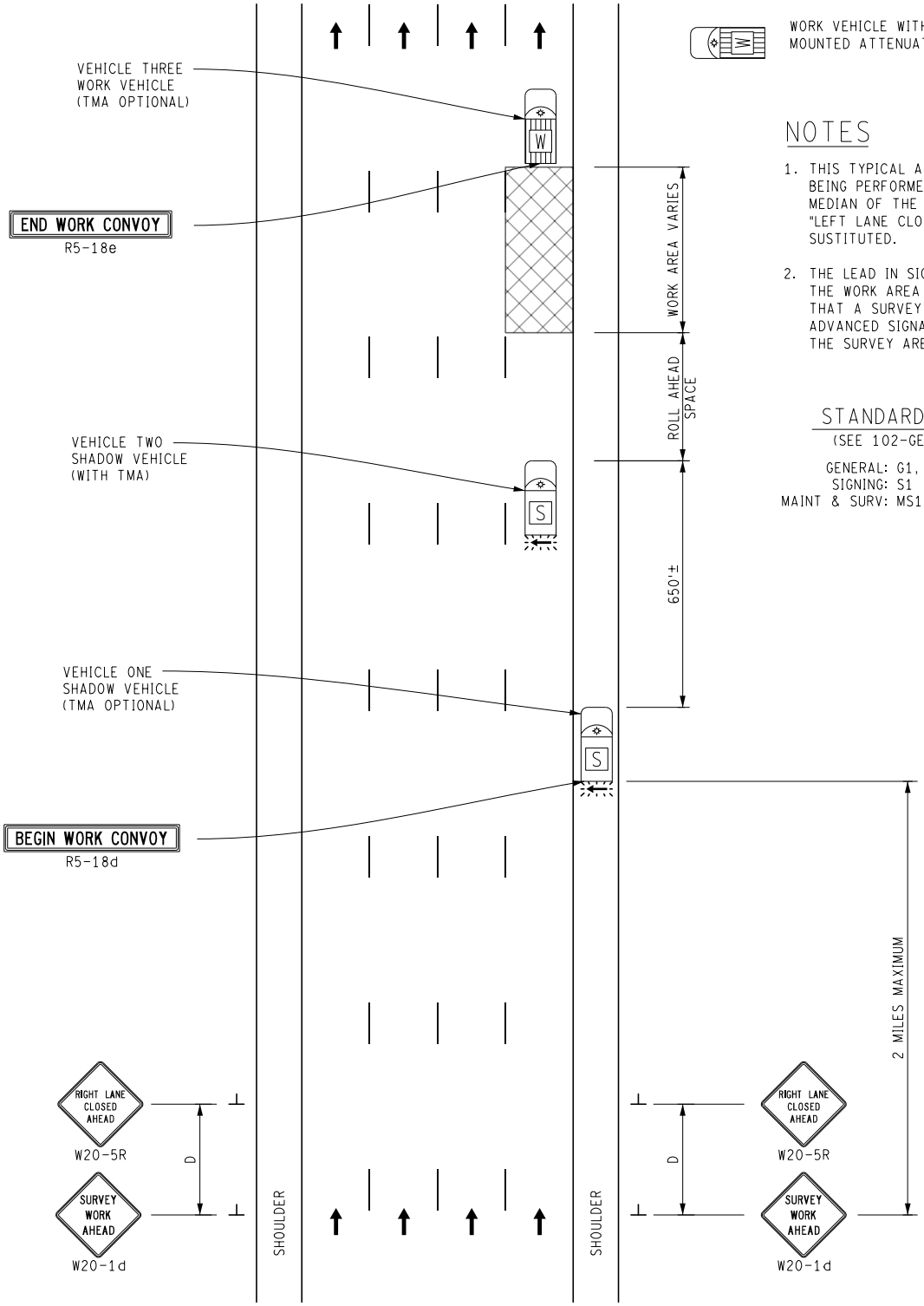
GENERAL: G1, G2, G3, G4
SIGNING: S1
MAINT & SURV: MS1, MS2, MS3, MS4, MS5, MS6

NOT TO SCALE

MDOT Michigan Department of Transportation	SURVEYING MAINTAINING TRAFFIC TYPICAL	DURATION: SHORT DURATION MOBILE	MOBILE OPERATION ON A TWO-LANE ROADWAY WITHIN 150 FEET OF WORK VEHICLE	DATE: MAY 2021
				NO: 5403-S-NFW-2L
FILE: 5403-S-NFW-2L.dgn				SHEET: 1 OF 1

KEY

- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- SHADOW VEHICLE WITH OPTIONAL TRUCK MOUNTED ATTENUATOR
- WORK VEHICLE WITH OPTIONAL TRUCK MOUNTED ATTENUATOR



NOTES

1. THIS TYPICAL ALSO MAY BE USED WHEN WORK IS BEING PERFORMED IN THE LANE ADJACENT TO THE MEDIAN OF THE ROADWAY. IN THIS CASE, THE "LEFT LANE CLOSED AHEAD" SIGNS SHALL BE SUSTITUTED.
2. THE LEAD IN SIGNS SHOULD BE PLACED PRIOR TO THE WORK AREA TO INDICATE TO THE PUBLIC THAT A SURVEY CREW IS IN THE AREA. THE ADVANCED SIGNAGE SHOULD BE WITHIN 2 MILES OF THE SURVEY AREA.

STANDARD NOTES

(SEE 102-GEN-NOTES)

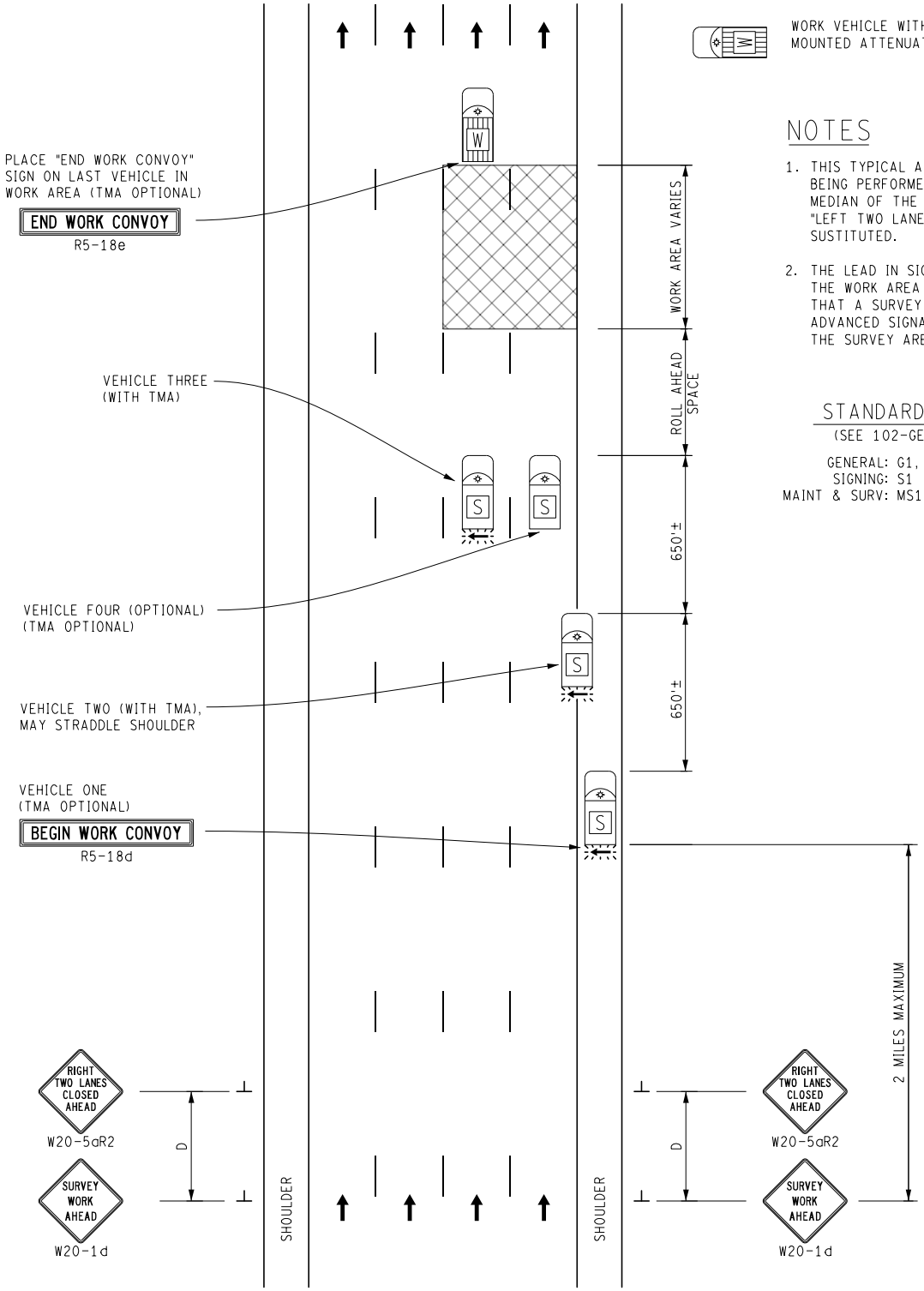
GENERAL: G1, G2, G3, G4
SIGNING: S1
MAINT & SURV: MS1, MS2, MS3, MS4, MS5, MS6

NOT TO SCALE

MDOT Michigan Department of Transportation	SURVEYING MAINTAINING TRAFFIC TYPICAL	DURATION: SHORT DURATION MOBILE	MOBILE OPERATION ON A MULTI-LANE ROADWAY	DATE: MAY 2021
				NO: 5421-S-FW-1LC
FILE: 5421-S-FW-1LC.dgn				SHEET: 1 OF 1

KEY

- LIGHTED ARROW PANEL
- TRAFFIC FLOW
- SHADOW VEHICLE WITH OPTIONAL TRUCK MOUNTED ATTENUATOR
- WORK VEHICLE WITH OPTIONAL TRUCK MOUNTED ATTENUATOR



NOTES

1. THIS TYPICAL ALSO MAY BE USED WHEN WORK IS BEING PERFORMED IN THE LANE ADJACENT TO THE MEDIAN OF THE ROADWAY. IN THIS CASE, THE "LEFT TWO LANES CLOSED AHEAD" SIGNS SHALL BE SUSTITUTED.
2. THE LEAD IN SIGNS SHOULD BE PLACED PRIOR TO THE WORK AREA TO INDICATE TO THE PUBLIC THAT A SURVEY CREW IS IN THE AREA. THE ADVANCED SIGNAGE SHOULD BE WITHIN 2 MILES OF THE SURVEY AREA.

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1
MAINT & SURV: MS1, MS2, MS3, MS4, MS5, MS6

NOT TO SCALE

MDOT Michigan Department of Transportation	SURVEYING MAINTAINING TRAFFIC TYPICAL	DURATION: SHORT DURATION MOBILE	MOBILE OPERATION ON A MULTILANE ROADWAY - 2 LANES	DATE: MAY 2021
				NO: 5422-S-FW-2LC
FILE: 5422-S-FW-2LC.dgn				SHEET: 1 OF 1