AYRES

JEREMY ASHAUER

TAMMY RABE

CONTRACT

PROJECT

AYRES

TELEPHONE POLE

WOODED OR SHRUB AREA

Ġ

GENERAL NOTES

THE LOCATION OF EXISTING UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

REFERENCE LINE REFERS TO ALIGNMENT AND STATIONING. CENTERLINE REFERS TO EXISTING ROADWAY CENTERLINE. REFERENCE LINE AND CENTERLINE ARE NOT COINCIDENTAL.

SAW CUT LOCATIONS SHOWN ON THE PLAN ARE SUBJECTED TO ADJUSTMENT BY THE ENGINEER IN FIELD. THE LINE OF SUCH SAW CUTS WILL BE NEATLY DELINEATED THRU THE ASPHALT WITHOUT ANY DAMAGE TO THE REMAINING PORTION OF THE EXISTING PAVEMENT.

CURVE DATA IS BASED ON ARC DEFINITION.

EXACT LOCATION AND WIDTH OF ENTRANCES WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

ENTRANCES ARE TO BE REPLACED IN KIND.

NO TREES OR SHRUB ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY ANY OPERATION OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS AT THE CONTRACTOR'S EXPENSE.

UTILITIES

* WISCONSIN PUBLIC SERVICE - ELECTRIC

TELEPHONE 920-433-1703

700 N. ADAMS STREET PO BOX 19001 GREEN BAY, WISCONSIN 54307 ATTENTION: LORI BUTRY E-MAIL: LAButry@integrysgroup.com

* FRONTIER COMMUNICATIONS

TELEPHONE 920-893-7242

118 DIVISION STREET
PLYMOUTH, WISCONSIN 53073
ATTENTION: RYAN OSNESS
E-MAIL: ryan.d.osness@ftr.com

* CHARTER COMMUNICATIONS

TELEPHONE 920-304-6797

3315 LINCOLN AVENUE TWO RIVERS, WISCONSIN 54241 ATTENTION: NICK FRASE E-MAIL: NICK.FRASE@CHARTER.COM

*-MEMBER OF DIGGERS HOTLINE



RUNOFF COEFFICIENT TABLE

						HYDROLOGIC S	OIL GROL	JP				
		Α			В	i		C	;		D	
	SLOPE	RANGE	(PERCENT)	SL0PE	SLOPE RANGE (PERCENT)			RANGE	(PERCENT)	SLOPE	RANGE	(PERCE
LAND USE:	0-2	2-6	6 & OVER	0-2 2-6 6 & OVER		0-2	2-6	6 & OVER	0-2	2-6	6 & OVE	
ROW CROPS			.12	.20 .34	.27 .44	.15	.24 .37		.19 .34	.28 .41	.38 .56	
MEDIAN STRIP- TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22	.26 .33	.20 .26	.23	.30 .37	.20 .27	.25	.30
SIDE SLOPE- TURF			.25 .32		.27				.28 .36			.30
PAVEMENT:		ı		<u>I</u>			!					
ASPHALT						.7095						
CONCRETE						.8095						
BRICK						.7080						
DRIVES, WALKS						.7585						
ROOFS						.7595						
GRAVEL ROADS,	SHOULDE	ERS				.4060						

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 9.81 ACRES

STANDARD ABBREVIATIONS

NE REGION PROJECT MANAGER

ATTENTION: JEREMY ASHAUER
944 VANDERPERREN WAY

GREEN BAY, WISCONSIN 54304
TELEPHONE 920-412-6381
E-MAIL: jeremy.ashauer@dot.wi.gov

DOOR COUNTY HIGHWAY COMMISSIONER

ATTENTION: JOHN KOLODZIEJ
1001 S. DULUTH AVE.
STURGEON BAY, WISCONSIN 54235-3812
TELEPHONE 920-746-2500
E-MAIL: kolodzie@co.door.wi.us

DESIGN CONTACT

ATTENTION: TROY ROBILLARD, P.E. 3376 PACKERLAND DRIVE ASHWAUBENON, WISCONSIN 54115 TELEPHONE 920-498-1200 E-MAIL: robillardt@ayresassociates.com

ADT AC AGG ASPH BM C/L CONC CMP CR. D DHV ESALS EXIST FE HYD IP L LC LR	AVERAGE DAILY TRAFFIC ASPHALT CEMENT AGGREGATE ASPHALT BENCH MARK CENTERLINE CONCRETE CORRUGATED METAL PIPE CREEK DEGREE OF CURVE DESIGN HOUR VOLUME EQUIVALENT SINGLE AXIS LOADS EXISTING FIELD ENTRANCE HYDRANT IRON PIPE OR PIN LENGTH OF CURVE LONG CHORD OF CURVE	NC PT PC PI PE R REM R/L OR RL RCCP RCPSS R.O. R/W STA SE SS T TEL TLE T	NORMAL CROWN POINT OF TANGENCY POINT OF CURVATURE POINT OF INTERSECTION PRIVATE ENTRANCE RADIUS REMOVE REFERENCE LINE REINFORCED CONCRETE CULVERT PIPE REINFORCED CONCRETE PIPE STORM SEWER RUNOUT RIGHT-OF-WAY STATION SUPER ELEVATION STORM SEWER TANGENT TELEPHONE TEMPORARY LIMITED EASEMENT TRUCKS
MH	MANHOLE	VC	VERTICAL CURVE
		W	WELL

DEPARTMENT OF NATURAL RESOURCES

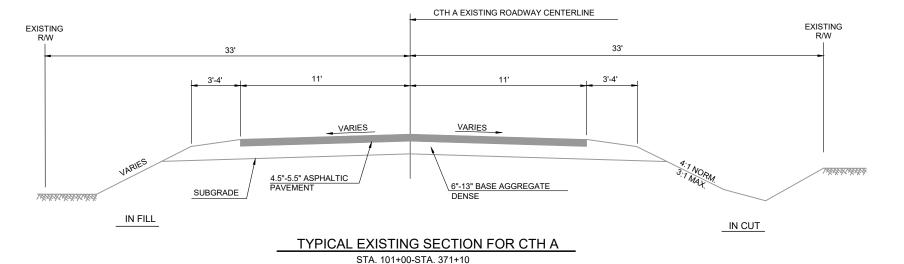
WDNR

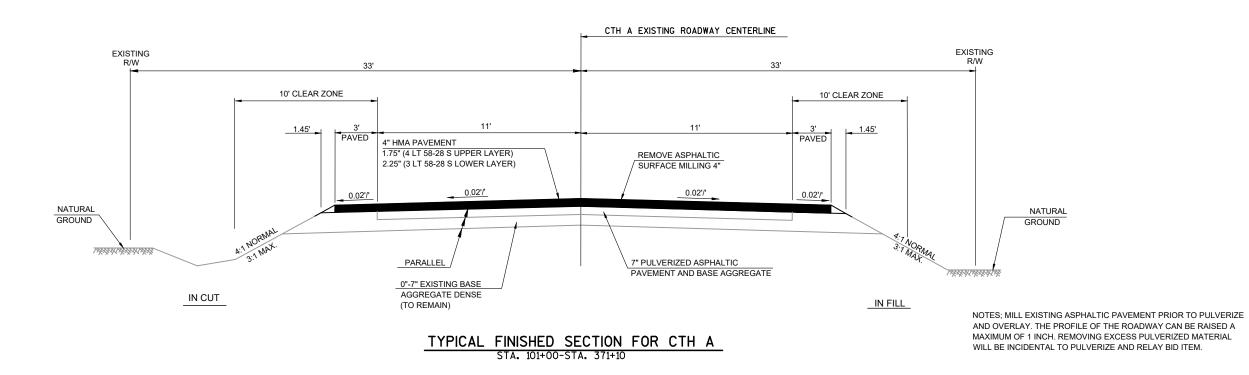
TELEPHONE 920-366-1544

2984 SHAWANO AVE.
GREEN BAY, WISCONSIN 54313
ATTENTION: MATT SCHAEVE
E-MAIL: MATTHEW.SCHAEVE@WISCONSIN.GOV

PROJECT NO:4431-00-71 HWY:CTH A COUNTY:DOOR GENERAL NOTES SHEET E







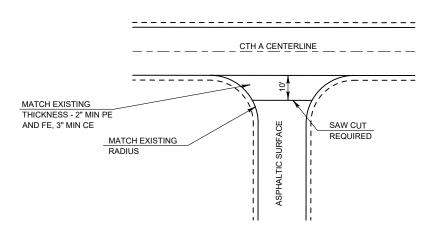
HWY: CTH A COUNTY: DOOR TYPICAL SECTIONS SHEET PROJECT NO: 4431-00-71 PLOT DATE : 7/7/2020 11:33 AM PLOT SCALE : 1" = 1'

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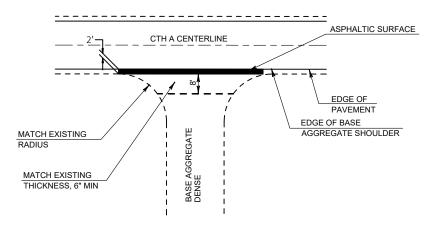
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2

__ __ _ _ _ _ _ _ _ _ _ <u>CTH A CENTERLINE</u> __ _ _ _ _ _ ASPHALTIC PAVED SHOULDER BASE AGGREGATE
DENSE SHOULDER MATCH EXISTING RADIUS MATCH EXISTING RADIUS SIDE ROAD MILLING, PULVLERIZING, AND PAVING REMOVING ASPHALTIC SURFACE SAW CUT BUTT JOINTS (PAVING LIMITS TO REQUIRED END OF LARGEST RADIUS OR AS **EXISTING HMA** DIRECTED BY THE ENGINEER) PAVEMENT SIDE ROAD WITHOUT CURB AND GUTTER HMA PAVING DETAIL

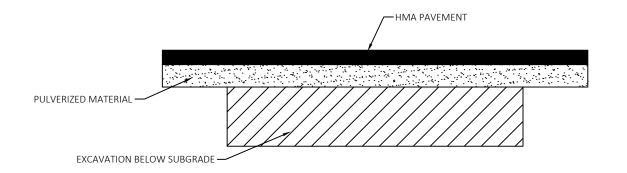


PRIVATE ENTRANCE AND FIELD ENTRANCE ASPHALTIC SURFACE DETAIL



PRIVATE ENTRANCE AND FIELD ENTRANCE
BASE AGGREGATE DENSE DETAIL

PROJECT NO:4431-00-71 HWY:CTH A COUNTY:DOOR CONSTRUCTION DETAILS SHEET **E**

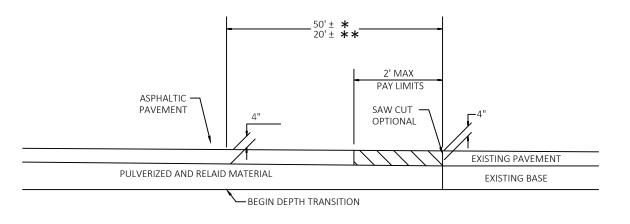


EXCAVATION BELOW SUBGRADE DETAIL

NOTE: SALVAGE PULVERIZED MATERIAL PRIOR TO COMPLETING EXCAVATION BELOW SUBGRADE. PLACE SALVAGED PULVERIZED MATERIAL ABOVE BACKFILL MATERIAL. SALVAGING AND RELAYING THE PULVERIZED MATERIAL WILL BE INCIDENTAL TO PULVERIZE AND RELAY BID ITEM.

EXACT LOCATIONS AND EXTEND OF EBS SECTIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

EBS AREA TO BE BACKFILLED WITH BASE AGGREGATE DENSE 1 1/4-INCH.



REMOVING ASPHALTIC SURFACE, BUTT JOINTS

BUTT JOINT DETAIL FOR MAINLINE AND SIDE ROADS (PROFILE CHANGE)

* MAINLINE ** SIDEROADS NOTE: PULVERIZED MATERIAL TO BE REMOVED AS NEEDED TO MATCH EXISTING PAVEMENT GRADE AT BUTT JOINTS. GRADING WILL BE INCIDENTAL TO PULVERIZE AND RELAY BID ITEM.

PROJECT NO:4431-00-71 HWY:CTH A COUNTY:DOOR CONSTRUCTION DETAILS SHEET **E**

Estimate Of Quantities

					4431-00-71
Line	Item	Item Description	Unit	Total	Qty
0002	204.0115	Removing Asphaltic Surface Butt Joints	SY	60.000	60.000
0004	204.0120	Removing Asphaltic Surface Milling	SY	67,580.000	67,580.000
0006	205.0100	Excavation Common	CY	500.000	500.000
8000	211.0400	Prepare Foundation for Asphaltic Shoulders	STA	542.000	542.000
0010	213.0100	Finishing Roadway (project) 01. 4431-00-71	EACH	1.000	1.000
0012	305.0110	Base Aggregate Dense 3/4-Inch	TON	1,200.000	1,200.000
0014	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	1,000.000	1,000.000
0016	325.0100	Pulverize and Relay	SY	67,640.000	67,640.000
0018	374.1020.S	QMP Pulverize and Relay Compaction	SY	67,640.000	67,640.000
0020	455.0605	Tack Coat	GAL	5,150.000	5,150.000
0022	460.2000	Incentive Density HMA Pavement	DOL	12,800.000	12,800.000
0024	460.5223	HMA Pavement 3 LT 58-28 S	TON	11,243.000	11,243.000
0026	460.5224	HMA Pavement 4 LT 58-28 S	TON	8,747.000	8,747.000
0028	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	130.000	130.000
0030	619.1000	Mobilization	EACH	1.000	1.000
0032	624.0100	Water	MGAL	385.000	385.000
0034	642.5001	Field Office Type B	EACH	1.000	1.000
0036	643.0300	Traffic Control Drums	DAY	600.000	600.000
0038	643.0420	Traffic Control Barricades Type III	DAY	1,320.000	1,320.000
0040	643.0705	Traffic Control Warning Lights Type A	DAY	2,640.000	2,640.000
0042	643.0900	Traffic Control Signs	DAY	3,360.000	3,360.000
0044	643.5000	Traffic Control	EACH	1.000	1.000
0046	646.1005	Marking Line Paint 4-Inch	LF	78,258.000	78,258.000
0048	650.8000	Construction Staking Resurfacing Reference	LF	27,010.000	27,010.000
0050	650.9910	Construction Staking Supplemental Control (project) 01. 4431-00-71	LS	1.000	1.000
0052	690.0150	Sawing Asphalt	LF	760.000	760.000
0054	740.0440	Incentive IRI Ride	DOL	20,470.000	20,470.000

3

REMOVING ASPHALTIC SURFACE MILLING

REMOVING ASPHALTIC SURFACE BUTT JOINTS

PREPARE FOUNDATION FOR ASPHALTIC PAVING

					204.0120 REMOVING ASPHALTIC SURFACE MILLING		
CATEGORY	STATION	TO	STATION	LOCATION	SY	CATEGORY	STATION
0020 0020	101+00	-	371+10	CTH A SIDE ROADS	66,050 1,530	0010 0010	101+00
				TOTAL 0010	67,580		

CORV	STATION	TO.	CTATION	LOCATION	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS	CATEGORY	STATION	TO	STATION	LOCATION	211.0400 PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS STA
GORY	STATION	TO	STATION	LOCATION	SY						
10	101+00	_	371+10	CTH A	20	0010	101+00	-	371+10	CTH A, LT & RT	542
	101100		3/1/10		20						-
10				SIDE ROADS	40						
										TOTAL 0010	542

EXCAVATION BELOW SUBGRADE ITEMS

		205.0100 EXCAVATION COMMON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH
CATEGORY	LOCATION	СҮ	TON
0010	EBS - UNDISTRIBUTED	500	1,000
	TOTAL 0010	500	1,000

NOTE: SOIL BORINGS SHOW HIGH CONTENT OF ORGANIC MATERIAL FROM LAUEL LN (SOUTH) TO LAUREL LN (NORTH) AND FROM HONOLD RD TO FAIRVIEW RD. EXACT LOCATIONS AND EXTEND OF EBS SECTIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

PULVERIZE AND RELAY

TOTAL 0010

					325.0100
					PULVERIZE AND
					RELAY
CATEGORY	STATION	TO	STATION	LOCATION	SY
0010	101+00	-	371+10	CTH A	66,070
0010				SIDE ROADS	1,570
			•		
				TOTAL 0020	67,640

BASE AGGREGATE DENSE

					305.0110 BASE AGGREGA DENSE 3/4-INC
CATEGORY	STATION 1	TO	STATION	LOCATION	TON
0010	101+00	-	371+10	CTH A, LT & RT	1,000
0010				DRIVEWAYS AND FIELD ENTRANCES	200
				TOTAL 0010	1,200

HMA PAVEMENT

					455.0605	460.5223	460.5224	465.0120
								ASPHALTIC SURFACE
						HMA PAVEMENT	HMA PAVEMENT	DRIVEWAYS AND FIELD
					TACK COAT	3 LT 58-28 S	4 LT 58-28 S	ENTRANCES
CATEGORY	STATION	TO	STATION	LOCATION	GAL	TON	TON	TON
0010	101+00	-	371+10	CTH A	5,050	11,043	8,587	-
0010				SIDE ROADS	100	200	160	=
0010				DRIVEWAYS AND PRIVATE DRIVES	=	-	=	130
				TOTAL 0010	5,150	11,243	8,747	130

WATER

CATEGORY	LOCATION	624.0100 WATER MGAL
0010	PULVERIZE AND RELAY	375
0010	BASE AGGREGATE FOR SHOULDERS	10
	TOTAL 0010	385

PROJECT NO: 4431-00-71 HWY: CTH A COUNTY: DOOR MISCELLANEOUS QUANTITIES SHEET: **E**

3

MARKING LINE

CATEGORY STATION TO STATION LOCATION LOCATION LF

0010 101+00 - 371+10 CTH A 78,258

TOTAL 0010 78,258

TRAFFIC CONTROL SUMMARY

	APPROXIMATE SERVICE		643.0300 DRUMS NO. IN		643.0420 BARRICADES NO. IN		643.0705 WARNING LIGHTS NO. IN		643.0900 SIGNS NO. IN		
CATEGORY	DAYS	LOCATION	SERVICE	DAY	SERVICE	DAY	SERVICE	DAY	SERVICE	DAY	REMARKS
0010	60	CTH A, NORTH OF PROJECT LIMITS	-	_	-	-	-	-	4	240	ROAD CLOSED AHEAD
0010	60	CTH A, NORTH PROJECT LIMITS	-	-	2	120	4	240	1	60	ROAD CLOSED TO THRU TRAFFIC
0010	60	SIDE ROADS	-	-	16	960	32	1,920	16	960	ROAD CLOSED AHEAD
0010	60	CTH A, SOUTH PROJECT LIMITS	-	-	2	120	4	240	1	60	ROAD CLOSED TO THRU TRAFFIC
0010	60	CTH V, E AST AND WEST OF CTH A	-	-	-	-	-	-	4	240	ROAD WORK AHEAD, END ROAD WORK
0010	60	CTH A	-	-	-	-	-	-	12	720	LOW SHOULDER, UNEVEN LANES (EVERY MILE AS APPLICABLE)
0010	10	CTH A	-	-	-	-	-	-	12	120	SIGNING ON ROADWAYS WITH MILLED SURFACES
0010	20	CTH A	-	-	-	-	-	-	12	240	SIGNING ON ROADWAYS WITH LOOSE GRAVEL
0010	60	UNDISTRIBUTED	10	600	2	120	4	240	12	720	
		TOTAL 0010		600		1,320		2,640		3,360	

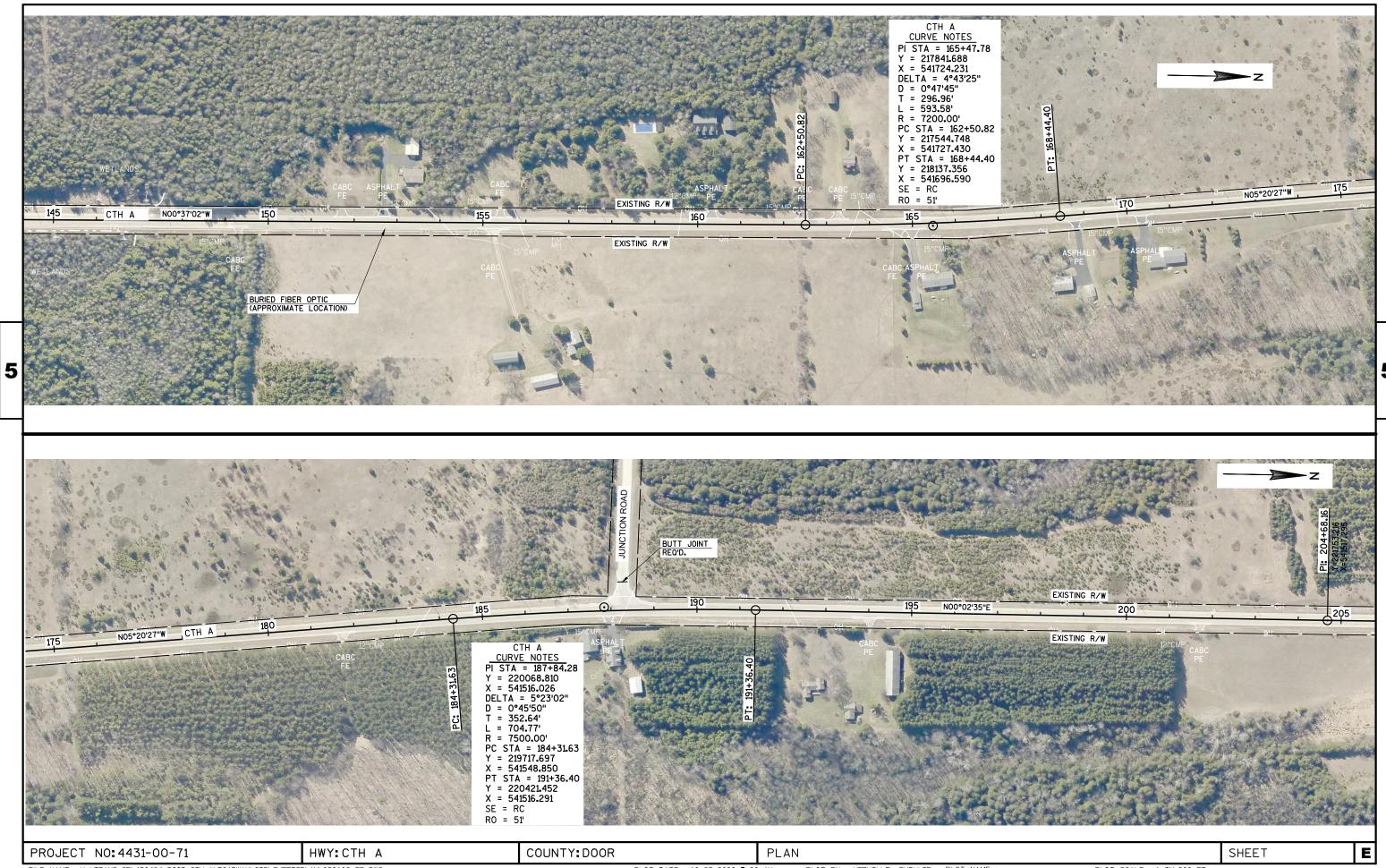
<u>CONSTRUCTION STAKING</u>

<u>SAWING</u>

				650.8000 RESURFACING REFERENCE	650.9910.01 SUPPLEMENTAL CONTROL (4431-00-71)	_CATEGORY STATION LOCAT	690.0150 SAWING ASPHALT TION LF
CATEGORY	STATION TO	O STATION	LOCATION	LF	LS		
	017111011	3 017111011	200,111011			0010 101+00 CTH	A 22
						0010 371+10 CTH	A 35
0010	101+00 -	371+10	CTH A	27,010	1	0010 SIDE RO	DADS 178
							WAYS 525
			TOTAL 0010	27,010	1	TOTAL	0010 760

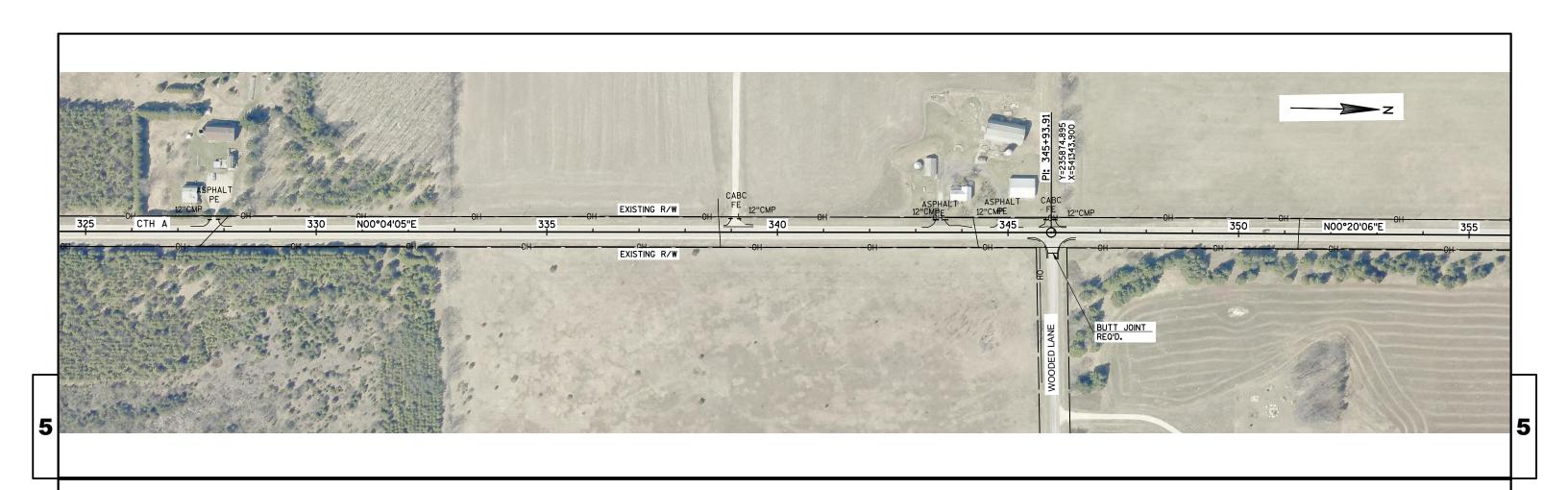
PROJECT NO: 4431-00-71 HWY: CTH A COUNTY: DOOR MISCELLANEOUS QUANTITIES SHEET: **E**

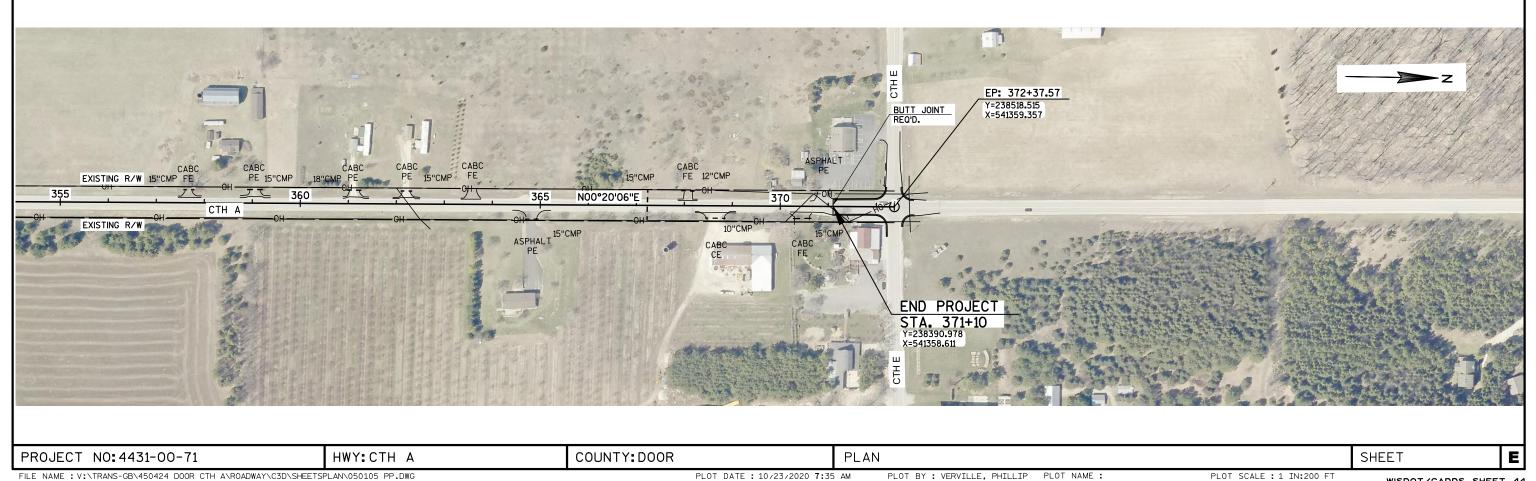








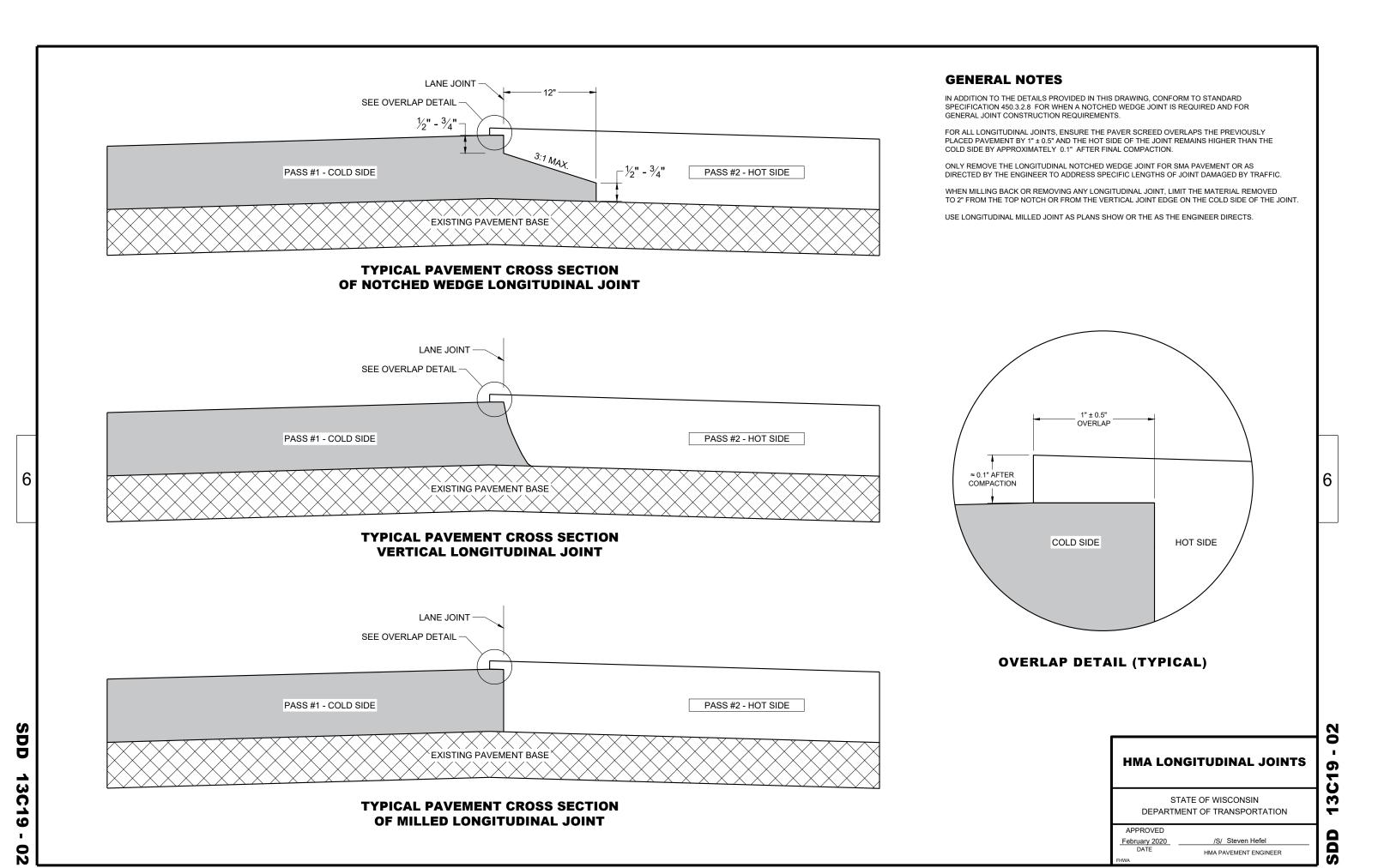


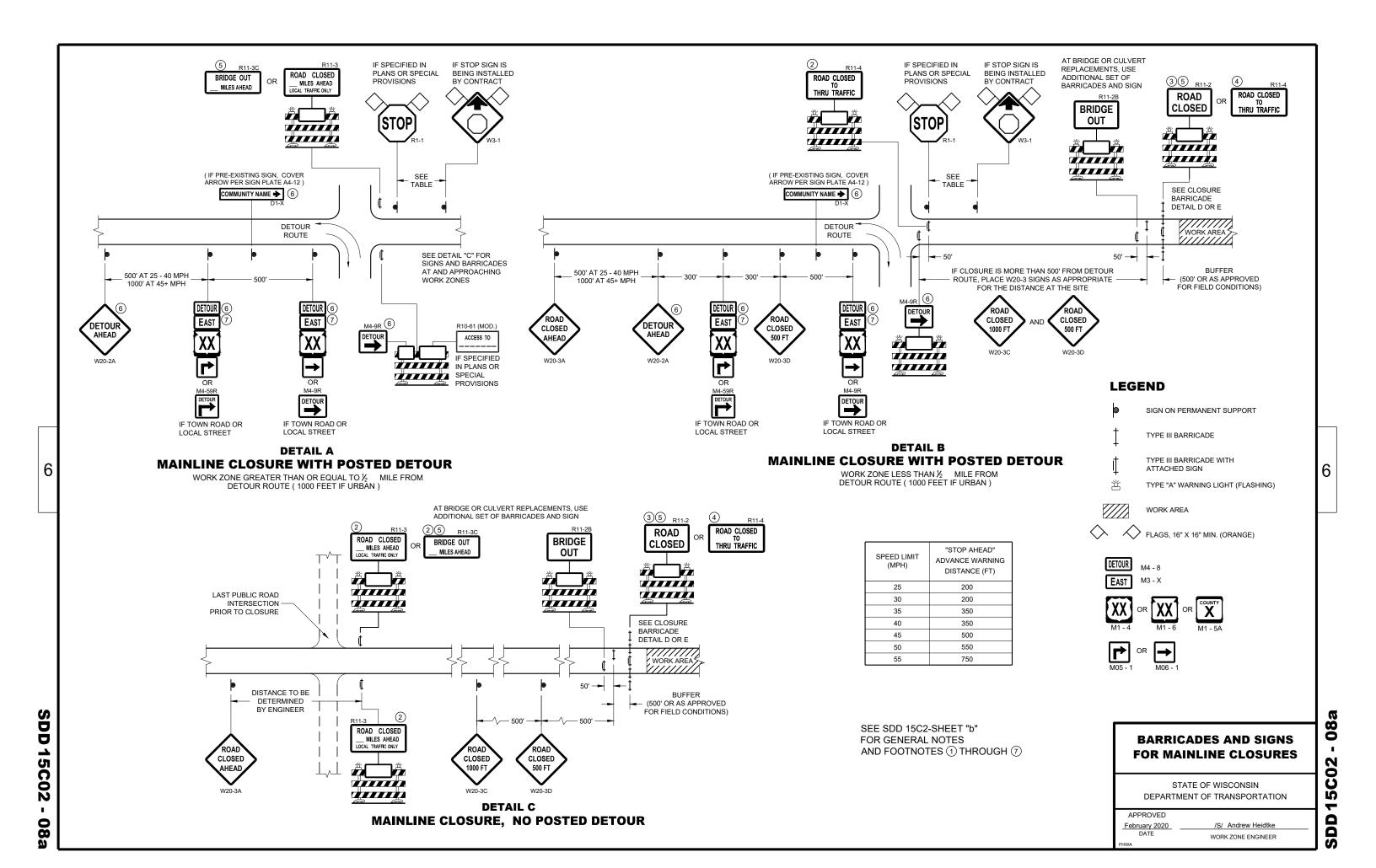


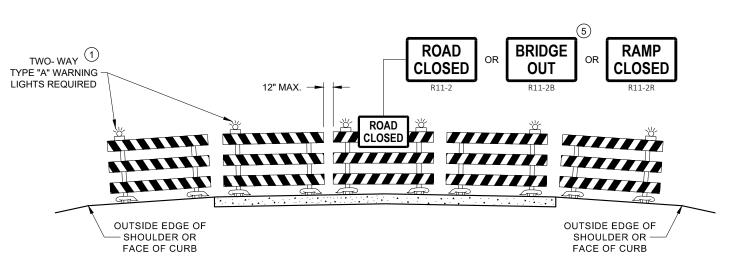
Standard Detail Drawing List

L3C19-02	HMA LONGITUDINAL JOINTS
L5C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
L5C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
L5C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
L5C08-20A	LONGITUDINAL MARKING (MAINLINE)
L5C11-07в	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
L5C12-07	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
L5C19-06A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
L5C35-04A	PAVEMENT MARKING (INTERSECTIONS)
L5D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
L5D38-02B	ATTACHMENT OF SIGNS TO POSTS
L5D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
L5D44-02	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES

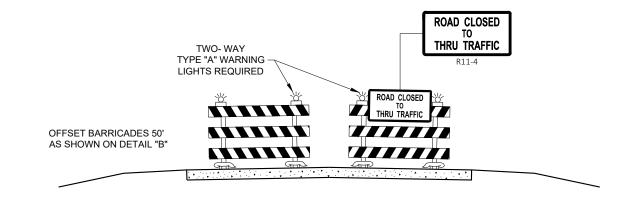
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DETAIL D ROAD CLOSURE BARRICADE DETAIL APPROACH VIEW



DETAIL E LANE CLOSURE BARRICADE DETAIL APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:

R11 - 2 SHALL BE 48" X 30"

R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"

M4 - 9 SHALL BE 30" X 24"

M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)

M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)

M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)

MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS) D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

R1 - 1 SHALL BE 36" X 36"

- 1 TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.
- THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.
- (3) FOR ROAD CLOSURE <u>WITHOUT</u> LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".
- (4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".
- (5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 2 AND R11 3 SIGNS.
- (6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.
- "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

FOR VARIOUS CLOSURES

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

February 2020 DATE

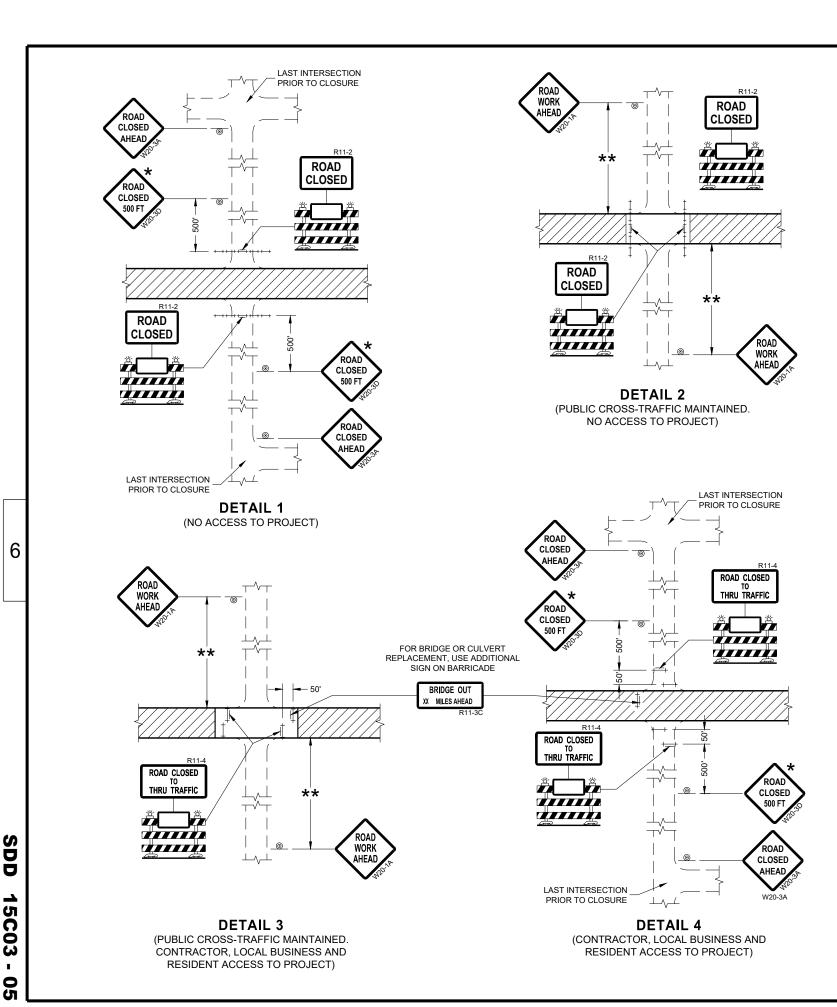
/S/ Andrew Heidtke
WORK ZONE ENGINEER

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GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW: R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

- ★ OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.
- ** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

LEGEND

SIGN ON PERMANENT SUPPORT

TYPE III BARRICADE

TYPE III BARRICADE WITH ATTACHED SIGN

TYPE "A" WARNING LIGHT (FLASHING)

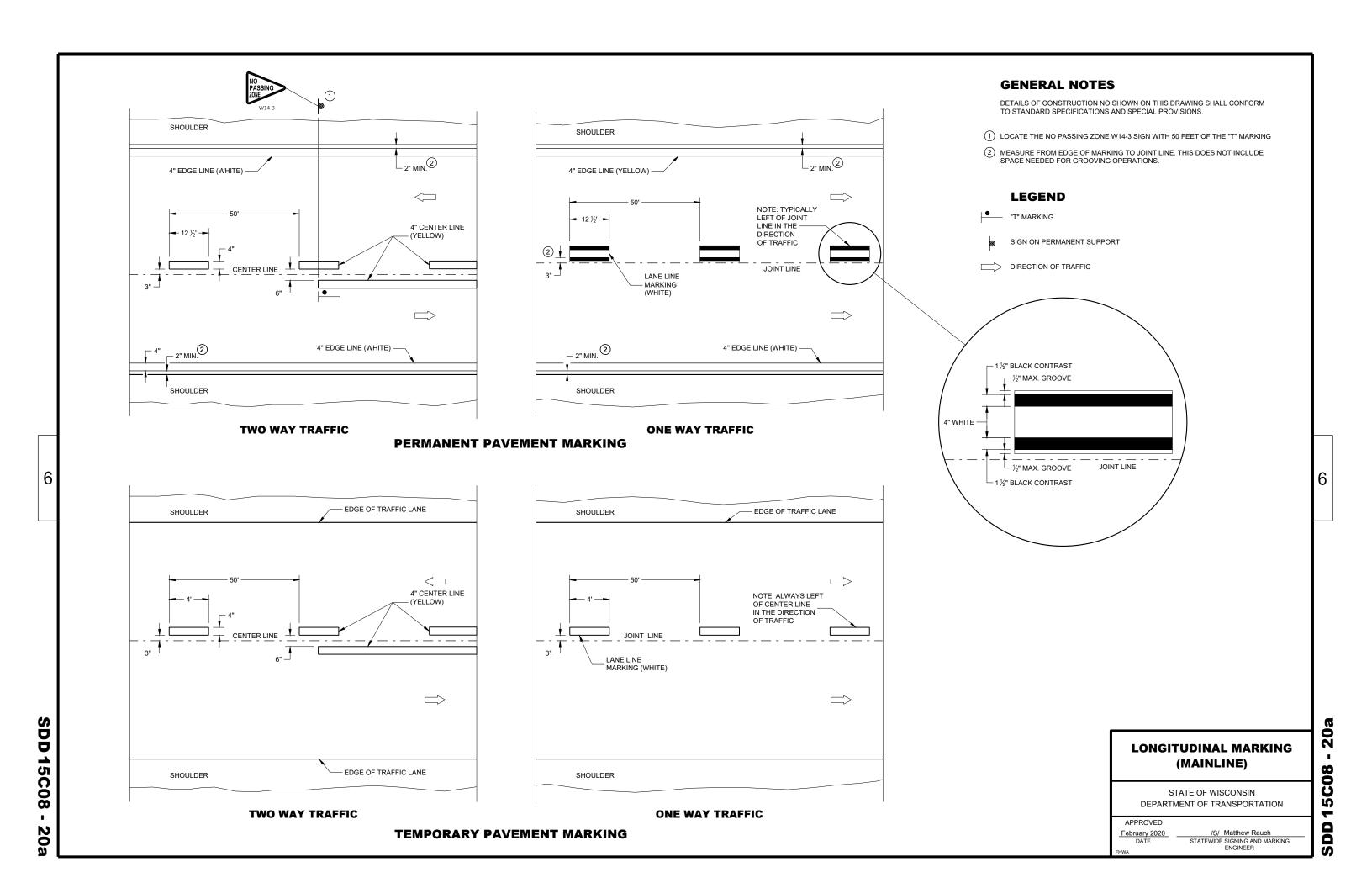
WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

 July 2018
 /S/ Andrew Heidtke

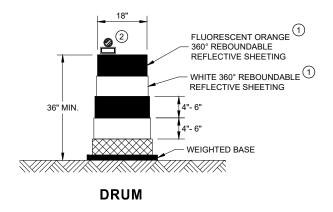
 DATE
 WORK ZONE ENGINEER

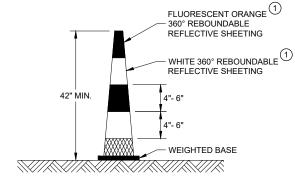


SDD 15C11 - 07

GENERAL NOTES

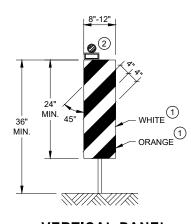
- (1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
- (2) LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



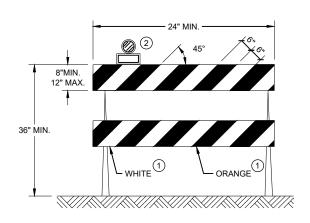


42" CONE
DO NOT USE IN TAPERS

½ SPACING OF DRUMS

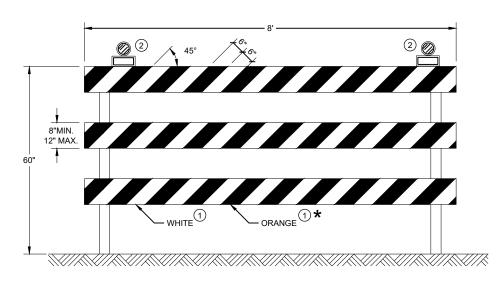


VERTICAL PANEL THE STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

★ IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

07

SDD 15C

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED	
June 2017	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER

RUMBLE

STRIPS

ROAD

WORK

GENERAL NOTES FLAGGING LEGEND FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE SIGN ON PORTABLE OR PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PERMANENT SUPPORT PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING. UNIFORM TRAFFIC CONTROL DEVICES. ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING TEMPORARY PORTABLE RUMBLE WORK OPERATION OR AS APPROVED BY THE ENGINEER. STRIP ARRAY "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE. SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS, DEVICES, AND LOCATION OF ALL FLAGGERS SHALL BE DIRECTION OF TRAFFIC ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED. THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP WORK AREA **TEMPORARY PORTABLE RUMBLE STRIPS** WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS. TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER. FLAGGER, EQUIPPED WITH STOP/SLOW EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S PADDLE FASTENED ON SUPPORT STAFF RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN. ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FOR THE APPROVED PRODUCTS LIST. INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS. PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS. DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS. **SIGN AND TEMPORARY RUMBLE** STRIP ARRAY SPACING TABLE 5' MIN BE SPEED LIMIT SPACING "A" USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, PREPARED THIS SIGN SHALL BE LOCATED BETWEEN THE 25-30 MPH TO STOP W20-7A AND W20-4A SIGNS, USING SPACING "A" 35-40 MPH STOP/SLOW PADDLE ŔUMBLĖ 45-55 MPH 500' WO3-4 WORK **ON SUPPORT STAFF** ROAD STRIPS 1 VARIABLE DISTANCE - 200' - 300' (TYP.) END ROAD WORK |||3 WORK AREA A/2 END ROAD WORK 200' - 300' (TYP.) VARIABLE DISTANCE

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

LANE CLOSURE WITH **FLAGGING OPERATION**

2

S

TRAFFIC CONTROL FOR

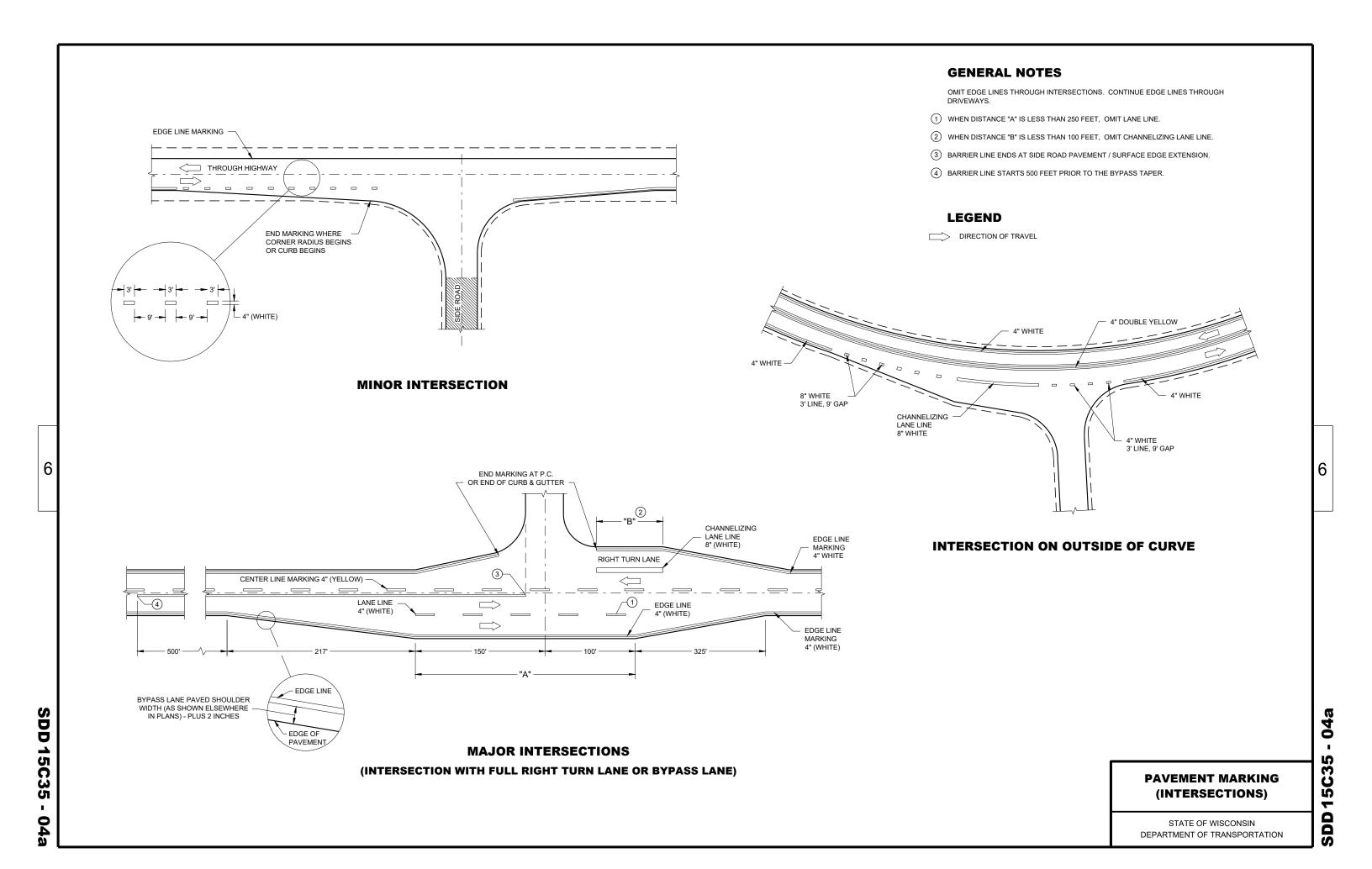
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2019 DATE WORK ZONE ENGINEER

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WORK ZONE ENGINEER

6





TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SO. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SO.FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE). SIGNS LARGER THAN 27 SO.FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

URBAN AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

WOOD POST **EMBEDMENT DEPTH**

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREM	MENTS	NUMBER OF	
L	E	WOOD POSTS REQUIRED	
48" OR LESS AND LESS THAN 20 SO.FT.	-	1	
LESS THAN 60"	12"	2	٤
60" TO 120"	L/5	2	
GREATER THAN 120" LESS THAN 168"	12"	3	
168" AND GREATER	12"	4	

SEE NOTE (3)

RURAL AREA

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

-11

D 15 D ∞

6

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6

- 11/2" DIAMETER HOLES

Ω

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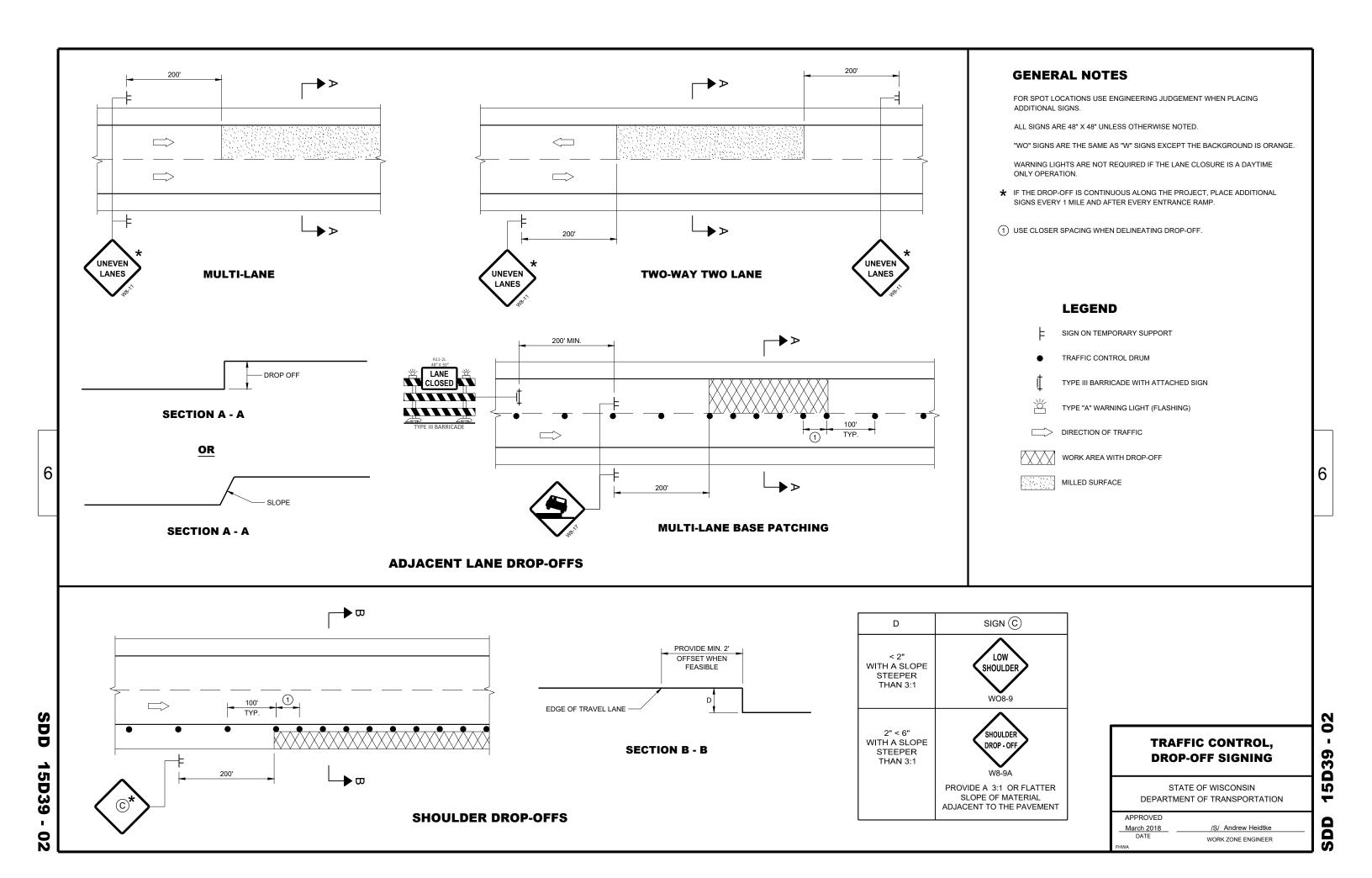
 ∞ **2**D

DEPARTMENT OF TRANSPORTATION

/S/ Andrew Heidtke WORK ZONE ENGINEER

APPROVED

June 2017 DATE



DRAWING NOT TO SCALE. ALL SIGNS AND POSTS ON THIS SHEET SHALL BE PAID FOR WITH 'TRAFFIC CONTROL SIGNS' BID ITEM. ALL SIDE ROADS WHICH ARE UNDER CONSTRUCTION OF CURB AND GUTTER AND/OR GRADING SHALL BE ADEQUATELY SIGNED.

ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNS IN THE VICINITY, SHALL BE COVERED

SEE 15C34 FOR ADDITIONAL TRAFFIC CONTROL SIGNING WHEN CENTERLINE PAVEMENT MAKINGS ARE MISSING. 'DO NOT PASS' SIGNS MUST BE INSTALLED ON THE SAME DAY AS MILLING OPERATIONS.

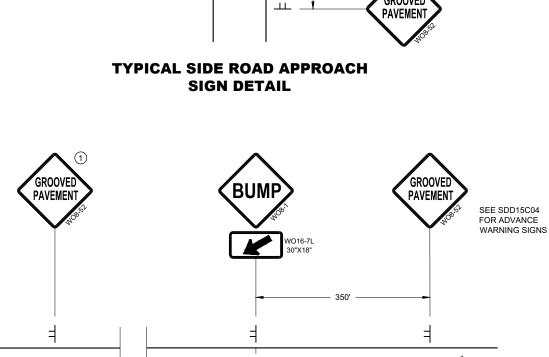
- (1) PLACE SIGNS 350' IN ADVANCE OF MILLED SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.
- (2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

FOR ADVANCE

WARNING SIGNS



END MILLED SURFACE

BEGIN MILLED SURFACE PAVEMENT SEE SDD15C04

DETAIL FOR SIGNING ON MILLED SURFACES

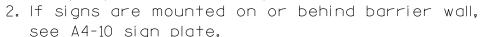
TRAFFIC CONTROL, **SIGNING ON ROADWAYS WITH MILLED SURFACES**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED February 2020 DATE /S/ Andrew Heidtke WORK ZONE ENGINEER

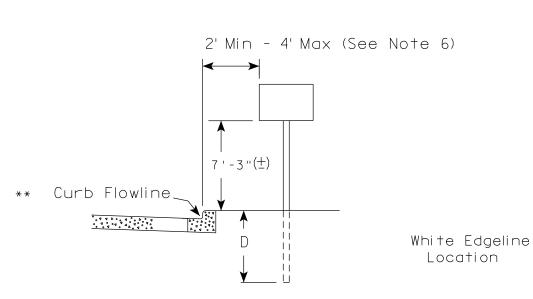
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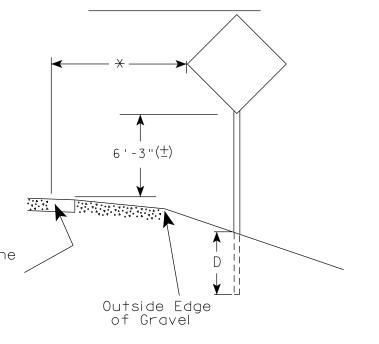
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The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52). Mile Markers (D10 series). In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3'' ($\frac{+}{-}$).

- 3. For expressways and freeways, mounting height is $7'-3''(\pm)$ or 6'-3" (±) depending upon existence of a sub-sign.
- 4. Minimum mounting height for signs mounted on traffic signal poles is $5' - 3'' \stackrel{(\pm)}{-}$.
- 5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 6. The (+) tolerance for mounting height is 3 inches.
- 7. Folding signs shall be mounted at a height of 5'-3'' (\pm) or as directd by the Engineer.





2' Min - 4' Max (See Note 6) 6'-3"(±) ** Curb Flowline D

5'-3"(士) White Edgeline $D \parallel$ Location Outside Edge of Gravel

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated.

That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

HWY:

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign	
Installation	D
(Sq.Ft.)	(Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED For State Traffic Engineer

DATE 5/13/2020

SHEET NO:

Ε

PROJECT NO: FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A43.dgn COUNTY:

PLOT BY: mscj9h

PLOT NAME :

PLOT SCALE: \$\$.....plo†scale.....\$\$ WISDOT/CADDS SHEET 42

PLOT DATE: 13-MAY 2020 1:04



NOTES: 1. ALL MATERIAL TO BE APPROVED

BY ENGINEER PRIOR TO INSTALLATION

- 2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
- 3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

HWY:



PLAN VIEW

COUNTY:

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN

PROJECT NO:

PLOT DATE: 27-JAN-2014 09:48

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 13.659812:1.000000

APPROVED

WISDOT/CADDS SHEET 42

GENERAL NOTES

- 1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
- 2. See tables below for required number of posts.
- 3. For expressways and freeways, mounting height is 7'-3'' (±) or 6'-3'' (±) depending upon existence of sub-sign.
- 4. The (±) tolerance for mounting height is 3 inches.
- 5. J-Assemblies are considered to be one sign for mounting height.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. Folding signs shall be mounted at a height of 5'-3'' (\pm) or as directed by the engineer.
- 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8). Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4''-3'' (±).
- * 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.
- ** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.
- ** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

D
(Min)
4'
5'

WISCONSIN DEPT OF TRANSPORTATION APPROVED For State Traffic Engineer DATE 8/21/17 PLATE NO. <u>A4-4.15</u>





	SIGN SHAPE OTHER THAN (TWO POSTS REQUIRE)		
	L	E	
***	Greater than 48" Less than 60"	12"	
	60" to 108"	L/5	

HWY:

SIGN SHAPE OTHER THAN (THREE POSTS REQUIR	
L	E
Greater than 108" to 144"	12''

COUNTY:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A44.DGN

PROJECT NO:

PLOT DATE: 21-AUG-2017 15:54

PLOT SCALE: 108.188297:1.000000

WISDOT/CADDS SHEET 42

OF TYPE II SIGNS ON MULTIPLE POSTS

TYPICAL INSTALLATION

SHEET NO:

PLOT BY: \$\$...plotuser...\$\$ PLOT NAME:



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either:

- a. Hot dip galvanized in accordance with ASTM Designation: A 153. Class D. or SC 3
- b. Electro-galvanized in accordance with ASTM Designation: B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - $\frac{5}{16}$ " X 1-3/4" Length w/ lock nuts

WOOD POSTS $(4'' \times 6'')$

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN) 3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN) 3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 1/32 " (6605-9-6) BULB-TITE. TRI-FOLD. ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X $\frac{3}{8}$ " I.D. X $\frac{1}{16}$ " STEEL 1-1/4" O.D. X $\frac{3}{8}$ " I.D. X .080 NYLON

Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq.ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther

≠or State Traffic Engineer

SHEET NO:

DATE 4/1/2020

PLATE NO. <u>A4-8.9</u>

PLOT DATE: 01-APRIL-2020

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

Ε

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A48.DGN

PROJECT NO:



PROJECT NO: HWY: COUNTY: SHEET NO: FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE: 05-FEB-2015 17:09 PLOT BY: mscsja PLOT NAME : PLOT SCALE: 13.659812:1.000000

DATE 2/05/15

PLATE NO. <u>A4-9.9</u>

For State Traffic Engineer



BANDING



SINGLE SIGN





WASHER PLACEMENT



HWY:

WASHERS (ALL POSTS) -

1-1/4" O.D. X³/₈" I.D. X¹/₁₆" STEEL 1-1/4" O.D. $\times \frac{3}{8}$ " I.D. \times .080 NYLON FOR ALL TYPE H SIGNS

CHANNEL

GENERAL NOTES

- 1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
- 2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
- 3. Banding and assembly bracket shall be stainless steel. All bands shall be $\frac{3}{4}$ " in width and 0.025" thickness.
- 4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
 - a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
 - b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



STANDARD SIGN SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

DATE 6/10/19

PLATE NO. A5-9.4

Ε

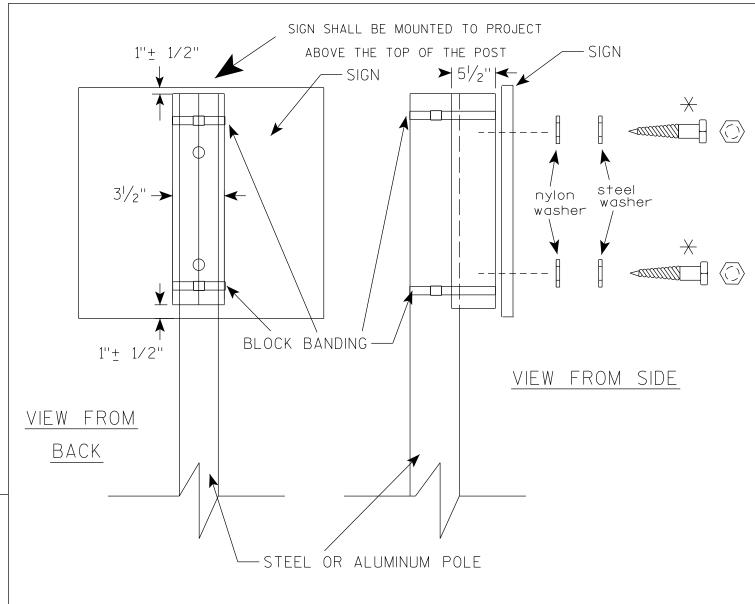
State Traffic Engineer

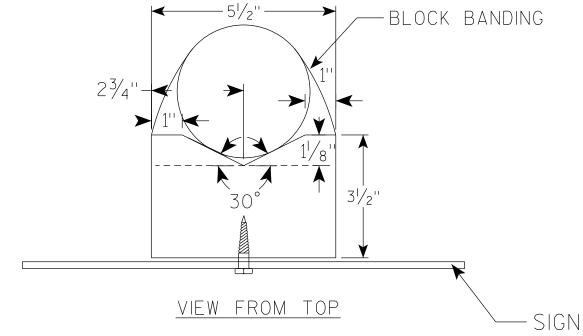
COUNTY:

PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

PROJECT NO:





GENERAL NOTES

- 1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WISDOT STANDARD SPECIFICATIONS
- 2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, $\frac{3}{4}$ " WIDTH AND 0.025" THICKNESS
- 3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS.

 SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
- 4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
- 5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
 - a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
 - b. Electro-galvanized in accordance with ASTM Designation: B 633, TYPE III, SC 3
- 6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
- 7. STEEL WASHERS SHALL BE $1\frac{1}{4}$ " O.D. X $\frac{3}{8}$ " I.D. X $\frac{1}{16}$ "
- 8. NYLON WASHERS SHALL BE $1^{1}/_{4}$ " O.D. X $\frac{3}{8}$ " I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

 \rightarrow LAG BOLTS SHALL BE $\frac{3}{8}$ " X $2\frac{1}{2}$ "

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

Matthew R

APPROVED

For State Traffic Engineer

SHEET NO:

DATE <u>6/10/19</u>

PLATE NO. <u>A5-10.2</u>

PROJECT NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A510.dgn

PLOT DATE: 10-JUN 2019 4:15

PLOT BY : mscj9h

WISDOT/CADDS SHEET 42

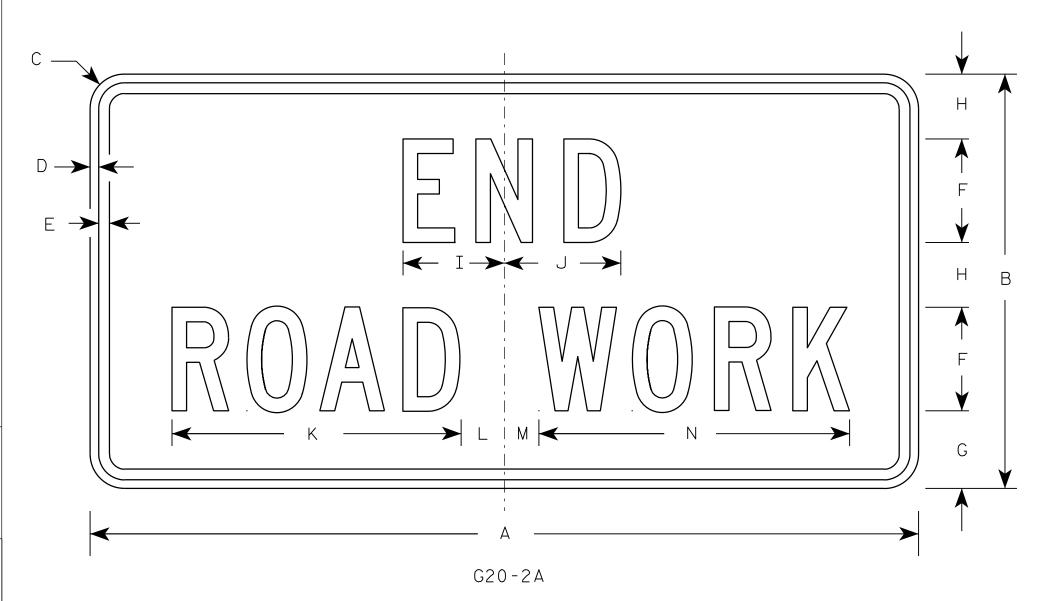
NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.

2. Color:

Background - Orange Message - Black

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



Metric equivalent for this sign is:

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 ½	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 %	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 %	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 %	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 1/8	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72

COUNTY:

STANDARD SIGN G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED AND UN A O N

Matther R Lauch

For State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\G202A.DGN

HWY:

PROJECT NO:

PLOT DATE: 30-SEP-2009 09:31

PLOT BY: ditjph

PLOT NAME :

PLOT SCALE: 5.561773:1.000000

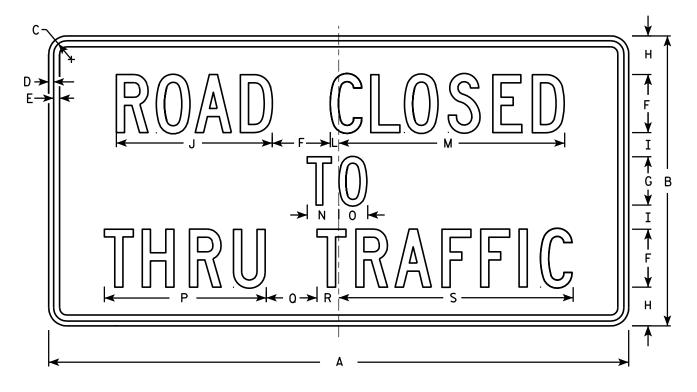
WISDOT/CADDS SHEET 42

NOTES

- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - White Message - Black

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R11-4

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7 /8	23 ¾	3 1/4	3	16 ¾	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7∕8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
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STANDARD SIGN R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

DATE 4/1/11 PLATE NO. R11-4.3

SHEET NO:

HWY:

COUNTY:

PLOT NAME :

PLOT SCALE: 9.931739:1.000000

WISDOT/CADDS SHEET 42

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R114.DGN

PROJECT NO:

PLOT DATE: 01-APR-2011 14:11 PLOT BY: mscj9h



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