Estimate of Quantities Miscellaneous Quontities

Section No. 6 Standard Detail Drawings

TOTAL SHEETS = 28

DESIGN DESIGNATION 1000-01-47

= VARIES

= VARIES

= VARIES

= VARTES

= VARIES

A.A.D.T. VARIES = VARIES A.A.D.T. VARIES = VARIES

CONVENTIONAL SYMBOLS

LIMITED HIGHWAY EASEMENT

PROPOSED OR NEW R/W LINE

EXISTING RIGHT OF WAY

D.H.V.

**ESALS** 

PLAN

DESIGN SPEED

CORPORATE LIMITS

PROPERTY LINE

SLOPE INTERCEPT

REFERENCE LINE

PROPOSED CULVERT (Box or Pipe)

COMBUSTIBLE FLUIDS

MARSH ARFA

LOT LINE

D.D.

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May 2020 ORDER OF SHEETS STATE OF WISCONSIN Section No. 1 DEPARTMENT OF TRANSPORTATION Section No. 2 Typical Sections and Details

PLAN OF PROPOSED IMPROVEMENT

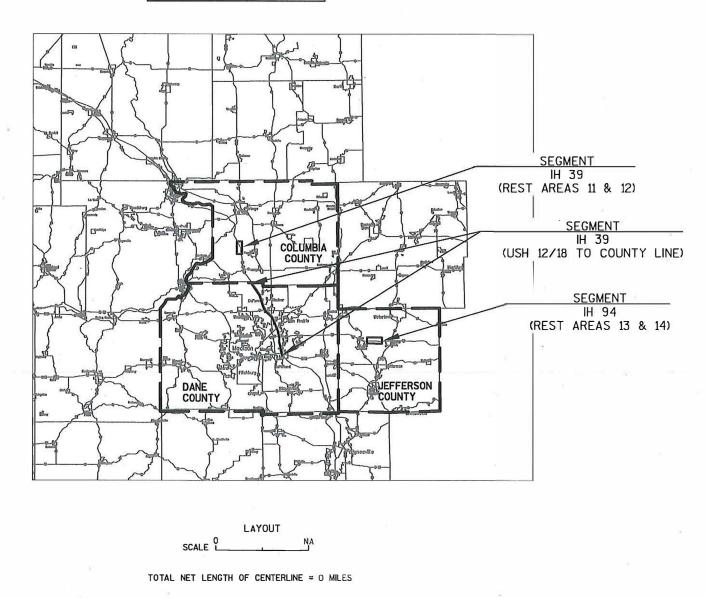
#### FEDERAL PROJECT STATE PROJECT CONTRACT wisc 2020311 1000-01-47

# STATEWIDE, EPOXY PAVEMENT MARKING

LOCATIONS ON STN PER ANNUAL PLAN

### **VAR HWY DANE COUNTY**

STATE PROJECT NUMBER 1000-01-47



FILE NAME : C:\USERS\DOTC4C\DESKTOP\BTO\_BATCH ORDERS\_HELP NOTES\2020 EPOXY PAVEMENT MARKING\010101-\_TS\_10000147.DWG

PROFILE GRADE LINE

ORIGINAL GROUND

SPECIAL DITCH

UTILITIES

ELECTRIC FIBER OPTIC

GRADE ELEVATION

SANITARY SEWER

UTILITY PEDESTAL

STORM SEWER TELEPHONE

POWER POLE TELEPHONE POLE

MARSH OR ROCK PROFILE

CULVERT (Profile View)

(To be noted as such)

PLOT DATE: 2/12/2020 1:18 PM

PLOT BY : CLARK, CLYDE J

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

DATE: 3-18-2020 Matte

STATEWIDE

2

Dial or (800) 242-8511

www.DiggersHotline.com

#### GENERAL NOTES

THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

GENERAL NOTES SHEET **E** 

FILE NAME: W: \06 SIGNSMARKING\SIGNING AND MARKING\SIGN PROGRAM\LET PROJECTS\0072-40-64\PLAN SHEETS\020101\_GN.DWG

**HWY: VARIOUS** 

PROJECT NO: 1000-01-47

PLOT DATE: 1/2/2018 11:02 AM

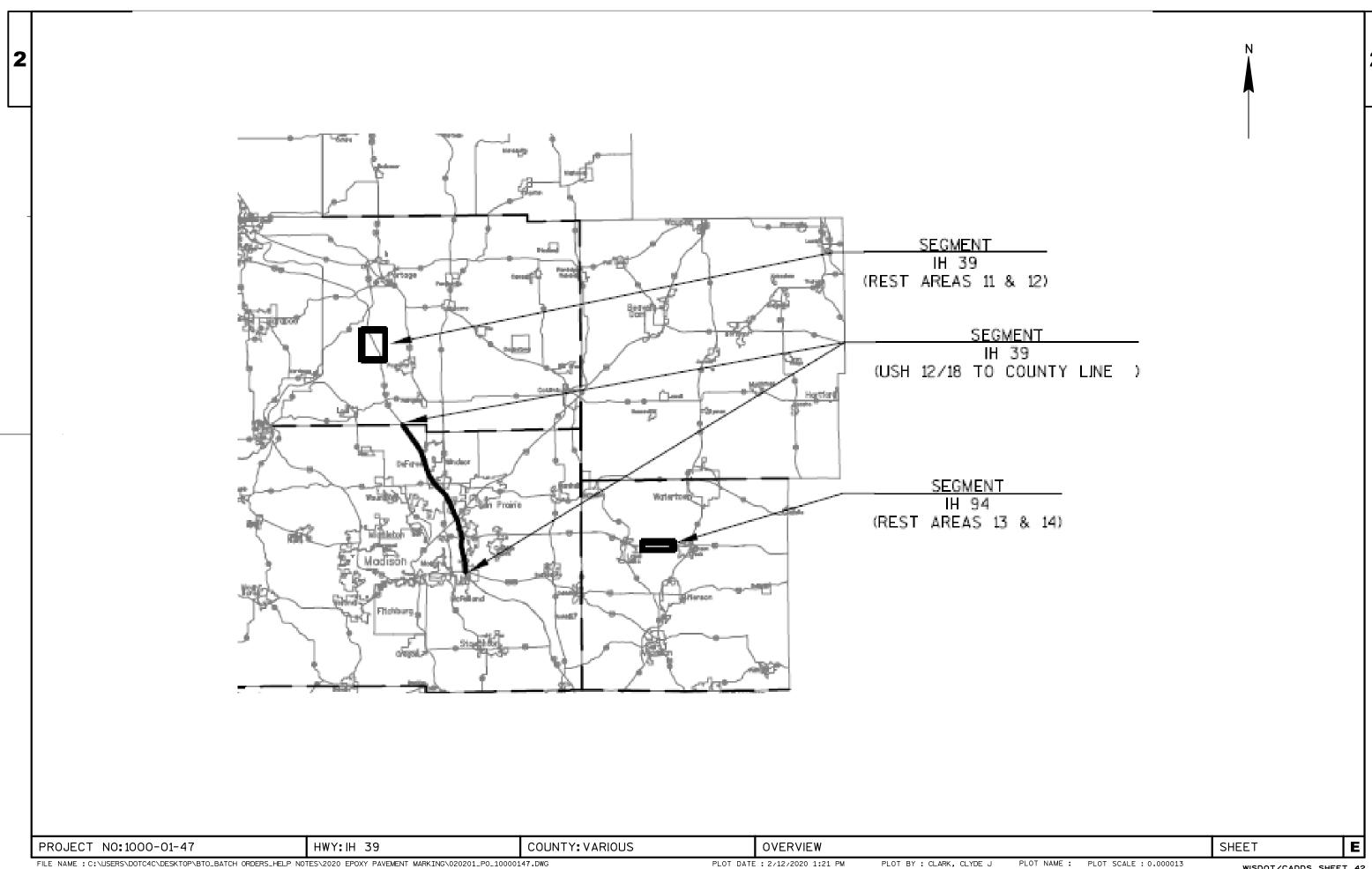
COUNTY: VARIOUS

PLOT BY : HILLE, JAY M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42



#### **Estimate Of Quantities**

Page 1

1000-01-47	
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Line	Item	Item Description	Unit	Total	Qty
0002	619.1000	Mobilization	EACH	1.000	1.000
0004	646.1020	Marking Line Epoxy 4-Inch	LF	444,360.000	444,360.000
0006	646.3020	Marking Line Epoxy 8-Inch	LF	10,682.000	10,682.000
8000	646.5020	Marking Arrow Epoxy	EACH	10.000	10.000
0010	646.5120	Marking Word Epoxy	EACH	3.000	3.000
0012	646.5220	Marking Symbol Epoxy	EACH	20.000	20.000
0014	646.6120	Marking Stop Line Epoxy 18-Inch	LF	32.000	32.000
0016	646.7020	Marking Diagonal Epoxy 6-Inch	LF	360.000	360.000
0018	646.7120	Marking Diagonal Epoxy 12-Inch	LF	1,360.000	1,360.000
0020	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	248.000	248.000
0022	646.7520	Marking Crosswalk Epoxy Ladder Pattern 24-Inch	LF	112.000	112.000
0024	646.8120	Marking Curb Epoxy	LF	741.000	741.000
0026	646.8320	Marking Parking Stall Epoxy	LF	29,683.000	29,683.000
0028	SPV.0105	Special 01. Traffic Control	LS	1.000	1.000

#### 3

# 1000-01-47 PAVEMENT MARKING SUMMARY

	619.1000	SPV.0105.01
MISCELLANEOUS	Mobilization	Traffic Control
	EACH	LS

Summary	Summary 646.10		646.3020	646.5020	646.5120	646.5220
Pavement Marking Epoxy	4-INCH Yellow	4-INCH White	8-INCH WHITE	ARROW WHITE	WORD WHITE	SYMBOL WHITE
	LF	LF	L.F.	EACH	EACH	EACH
Dane County	196,426	215,649	7,460	0	0	0
Columbia County	3,621	8,838	2,073	4	0	12
Jefferson County	7,971	11,855	1,149	6	3	8
Total	208,018	236,342	10,682	10	3	20

Summary Pavement Marking Epoxy	646.6120 STOP LINE WHITE LF	646.7020 DIAGONAL 6" WHITE LF	646.7120 DIAGONAL 12" WHITE LF	646.7420 Crosswalk Epoxy 6" TRANS. LF	646.7520 Crosswalk Epoxy 24" LADDER LF	646.8120 CURB EPOXY YELLOW LF	646.8320 Parking Stalls WHITE LF
Dane County	0	0	0	0	0	0	0
Columbia County	32	0	1,216	0	0	0	19,083
Jefferson County	0	360	144	248	112	741	10,600
Total	32	360	1,360	248	112	741	29,683

PROJECT NO: 1000-01-47 HWY: IH 39 COUNTY: Dane, Columbia & Jefferson MISCELLANEOUS QUANTITIES SHEET:

FILE NAME : N:\PDS\...\030200\_mq.pptx PLOT BY : A.R.H. PLOT NAME : PLOT NAME : PLOT SCALE : 1:1

	PAVEMENT MARKING EPOXY (INTERSTATE LOCATIONS)					646.	3020
	Dane County	_	4-INCH EDGELINE	646.1020 4-INCH LANELINE	4-INCH EDGELINE	8-INCH CHANNELIZING WHITE	8-INCH CHANNELIZING WHITE
HIGHWAY	LOCATION (From)	LOCATION (To)	YELLOW L.F.	WHITE L.F.	WHITE L.F.	(MAINLINE) L.F.	(RAMP) L.F.
HIGHWAI	Mile Marker 141.6 (North of USH 12/18 On Ramp)		17424	8712	17424	L.F.	L.F.
	, , ,	Mile 138.3 (IH 39/STH 30 Interchange)	17424	SKIP	17424		
IH 39 NB	Mile Marker 138.3 (IH 94/STH 30 Interchange) Mile 136.6 (USH 151)	Mile 136.6 (USH 151) Mile 131.4 (STH 19 Off Ramp Gore)	27456	SKIP	27456		
Mainline	Mile 131.4 (STH 19 Off Ramp Gore)	Mile 131.4 (STH 19 On Ramp Gore)	27430	SKIP	21430		
	Mile 131.4 (STH 19 On Ramp Gore)	Mile 131. 9 (3111 19 Off Kamp Gore) Mile 123.2 (Columbia County Line)	45936	JNIF	45936		
	Exit 138-B for STH 30 at Madison	OFF Ramp for STH 30 WB for Madison	4897		4045	454	454
IH 39 NB	Exit 138-A for IH-94 EB to Milwaukee	OFF Ramp for IH-94 EB for Milwaukee	717		1232	341	341
Ramps	STH 30 EB from Madison to IH-39/90 NB	ON Ramp for IH-39/90 NB	3090	179	1101	525	525
r torripo	IH-94 WB from Milwaukee to IH-39/90 NB	ON Ramp for IH-39/90 NB	1249	1185	5601	429	409
	Mile Marker 123.2 (Columiba County Line)	Mile 130. 9 (STH 19 OFF Ramp Taper)	40656	1100	40656	120	100
	Mile 130. 9 (STH 19 OFF Ramp Taper)	131.5 (End of STH 19 ON Ramp Gore)	.0000	SKIP	10000		
IH 39 SB	131.5 (End of STH 19 ON Ramp Gore)	Mile 136.2 (USH 151)	24816		24816		
Mainline	Mile 136.2 (USH 151)	138.0 (STH 30 Off Ramp)		SKIP			
	138.0 (STH 30 Off Ramp)	141.6 (USH12/18 Off Ramp)	19008	9504	19008		
	Exit 138-A for IH-94 EB to Milwaukee	Off Ramp for IH-94 EB	5267		3501	419	419
IH 39 SB	IH-94 WB from Milwaukee to IH-39/90 SB	On Ramp for IH-39/90 SB	3815		996	315	253
Ramps	Exit 138-B for STH 30 at Madison	Off Ramp for STH 30 WB for Madison	1073		1943	525	525
-	STH 30 EB from Madison to IH-39/90 SB	On Ramp for IH-39/90 SB	1022		2354	763	763
		Sub Totals	196426	19580	196069	3771	3689

PROJECT NO: 1000-01-47 HWY: IH 39 COUNTY: Dane MISCELLANEOUS QUANTITIES SHEET: **E** 

FILE NAME : N:\PDS\...\030200\_mq.pptx PLOT BY : A.R.H. PLOT NAME : PLOT NAME : PLOT SCALE : 1:1

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	PAVEMENT MARKING EPOXY	_											
			646.1	020	646.3020	646.5020		646.5220	646.6120	646.7120		646.8320	
	Columbia County	_	4-INCH	4-INCH	8-INCH	Type 2	Type 3	Symbol	Stop Line	Diagonals	Parking Stalls	Parking Stalls	Parking Stalls
			EDGELINE	EDGELINE	CHANNELIZING	Arrow	Arrow	Handicap	18" Ероху	12" Ероху	Ероху 4"	Ероху 8"	Epoxy 12"
			YELLOW	WHITE	WHITE	White	White	White	White	Yellow	White	White	White
HIGHWAY	LOCATION (From)	LOCATION (To)	L.F.	L.F.	L.F.	EACH	EACH	LF	LF	LF	EACH	EACH	EACH
IH 39 near Portage	Rest Area 11 Off Ramp Gore	Rest Area 11 On Ramp Gore	1631	4765	340	1	1	6	16	618	2925	6600	269
IH 39 near Portage	Rest Area 12 Off Ramp Gore	Rest Area 12 On Ramp Gore	1990	4073	1733	1	1	6	16	598	3125	5795	369
			3621	8838	2073	2	2	12	32	1216	6050	12395	638

Р	AVEMENT MARKING	G EPOXY			646.3020								646.7420	646.7520		646.8320
			646	.102	8-INCH		646.5020		646.5120	646.5220	646.7020	646.7120	Crosswalk	Crosswalk	646.8120	Parking
	Jefferson Coun	nty	4-INCH	4-INCH	CHANNELIZING	Type 1	Type 2	Type 3	Word	Symbol	Diagonals	Diagonals	<b>Epoxy Trans.</b>	Epoxy Ladder	Curb	Stalls
			Edgeline	Edgeline	Ероху	Arrow	Arrow	Arrow	Only	_		12" Ероху	Line 6"	Pattern 24-In	Ероху	Ероху 4"
	ı	I	YELLOW	WHITE	WHITE	White	White	White	White	White	White	Yellow	White	White	Yellow	White
<b>HIGHWAY</b>	LOCATION (From)	LOCATION (To)	L.F.	L.F.	L.F.	EACH	EACH	EACH	EACH	LF	LF	LF	LF	LF	EACH	EACH
IH 94 near	Rest Area 13 Off	Rest Area 13 On														
Portage	Ramp Gore	Ramp Gore	4008	6353	621					4	360		170		263	5575
IH 94 near	Rest Area 14 Off	Rest Area 14 On														
Portage	Ramp Gore	Ramp Gore	3963	5502	528	4	1	1	3	4		144	78	112	478	5025
			7971	11855	1149	4	1	1	3	8	360	144	248	112	741	10600

PROJECT NO: 1000-01-47 HWY: IH 39&94 COUNTY: Columbia & Jefferson MISCELLANEOUS QUANTITIES SHEET: **E** 

FILE NAME : N:\PDS\...\030200\_mq.pptx PLOT BY : A.R.H. PLOT NAME : PLOT NAME : PLOT SCALE : 1:1

## Standard Detail Drawing List

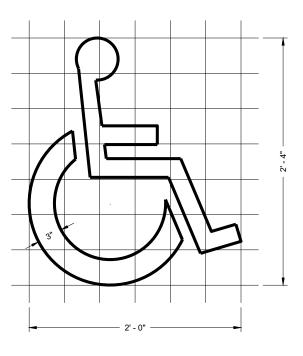
15C07-15A	PAVEMENT MARKING SYMBOLS
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C08-19A	LONGITUDINAL MARKING (MAINLINE)
15C08-19B	PAVEMENT MARKING (TURN LANES)
15C08-19C	PAVEMENT MARKING (TURN LANES)
15C18-04	MEDIAN ISLAND MARKING
15C19-06A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C19-06B	MOVING PAVEMENT MARKING OPERATION MULTI-LANE UNDIVIDED ROADWAY
15C19-06C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C27-03B	PAVEMENT MARKING (ISLANDS)
15C31-03A	PAVEMENT MARKING (RAMPS AND GORES)
15C31-03B	PAVEMENT MARKING MAJOR SPLIT FREEWAY TO FREEWAY
15C31-03C	PAVEMENT MARKING FOR PARALLEL ON-RAMP AND PARALLEL OFF-RAMP
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C36-01	PARKING STALL MARKING
15D12-07A	TRAFFIC CONTROL, LANE CLOSURE
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS

6

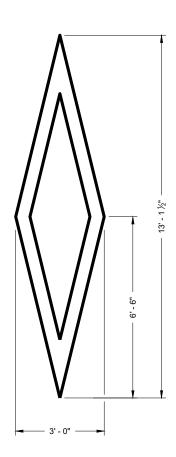
# **SDD 15C07** 15a

#### **GENERAL NOTES**

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



HANDICAP SYMBOL



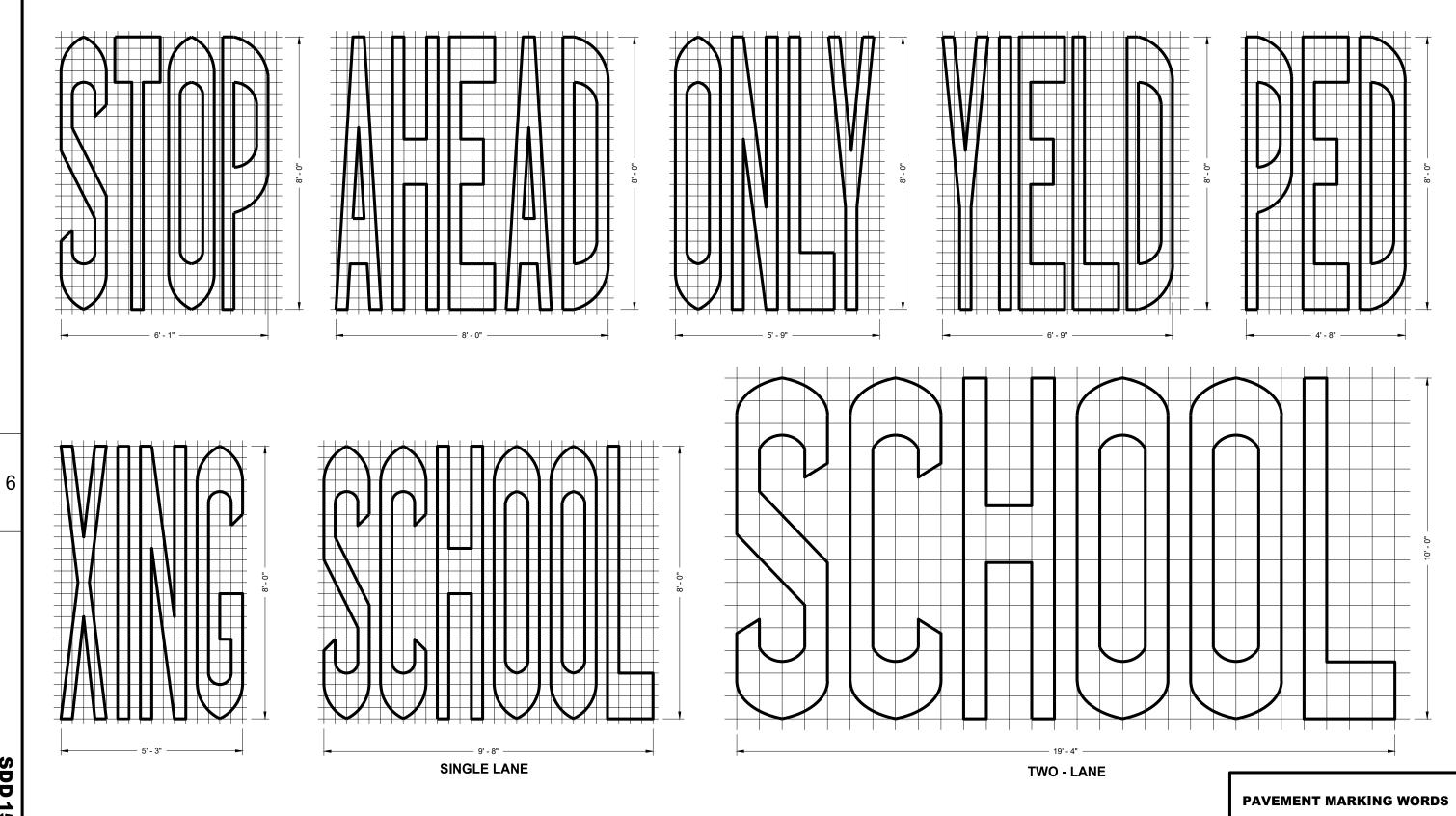
PREFERENTIAL LANE SYMBOL

#### PAVEMENT MARKING SYMBOLS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION **SDD15C07** 

APPROVED

November 2019 DATE /S/ Matthew Rauch
STATE SIGNING AND MARKING ENGINEER



**SDD 15C07** 15b

#### **GENERAL NOTES**

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

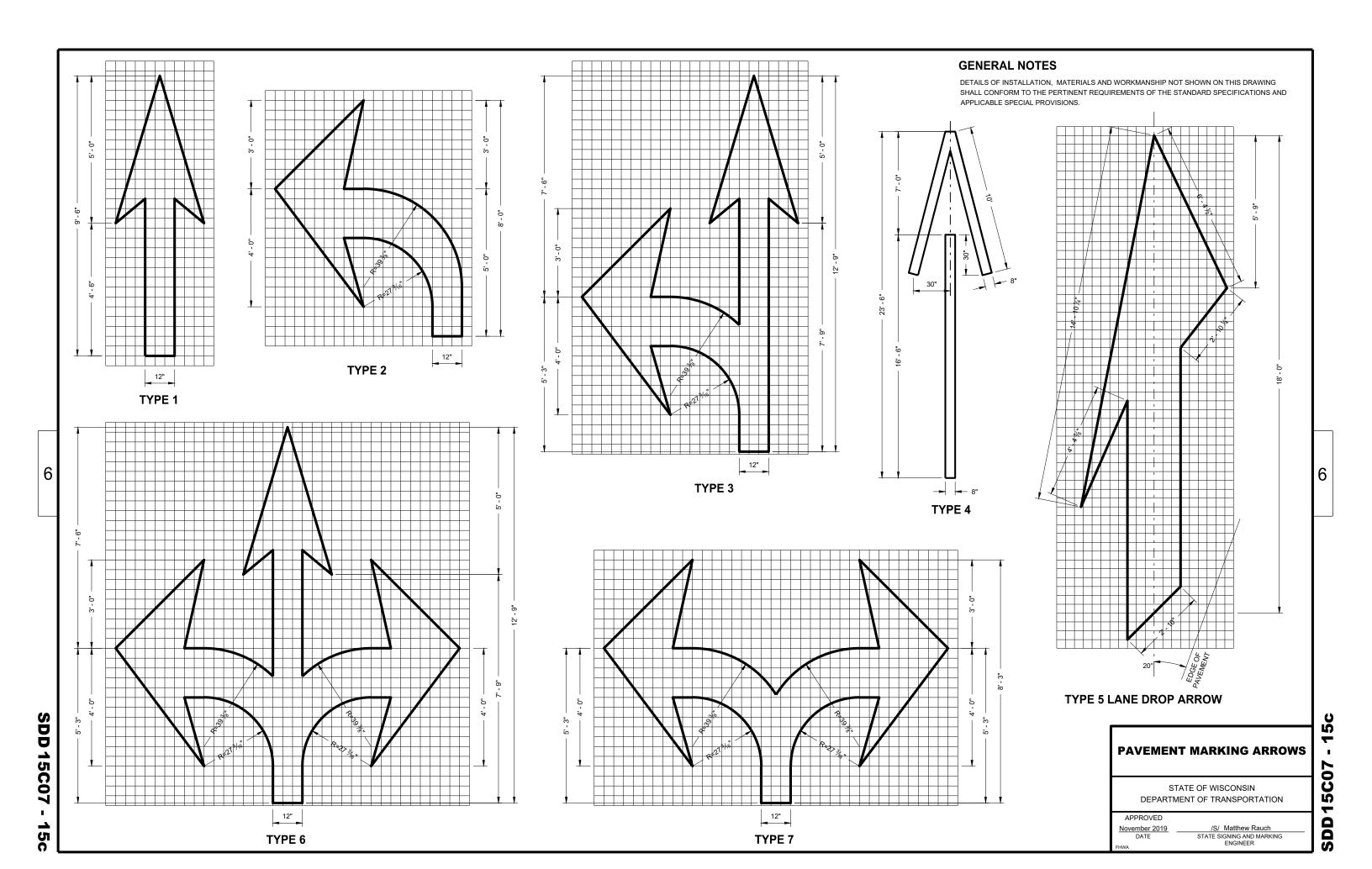
APPROVED

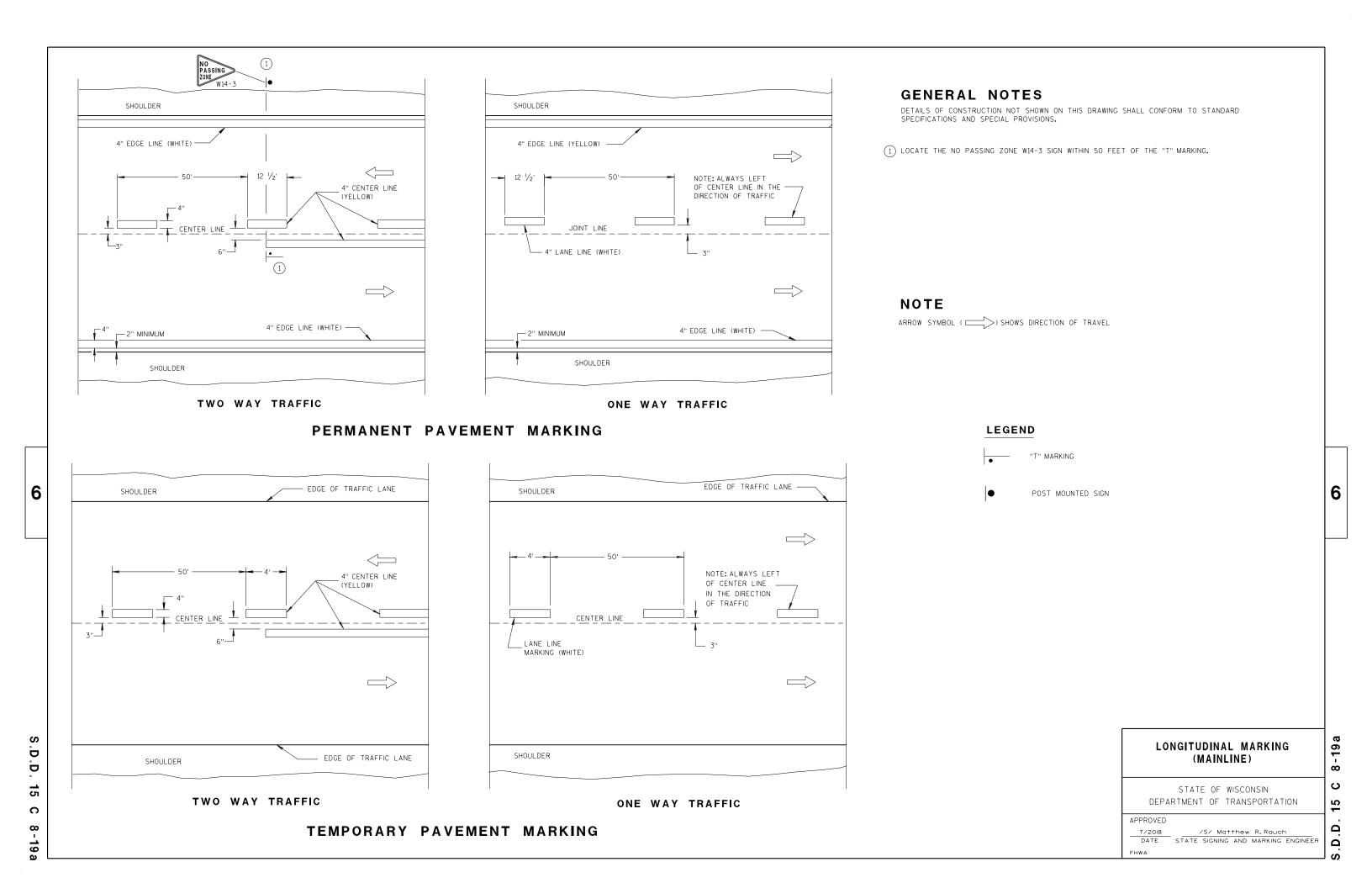
November 2019 \_\_\_\_ /S/ Matthew Rauch
STATE SIGNING AND MARKING
ENGINEER

6

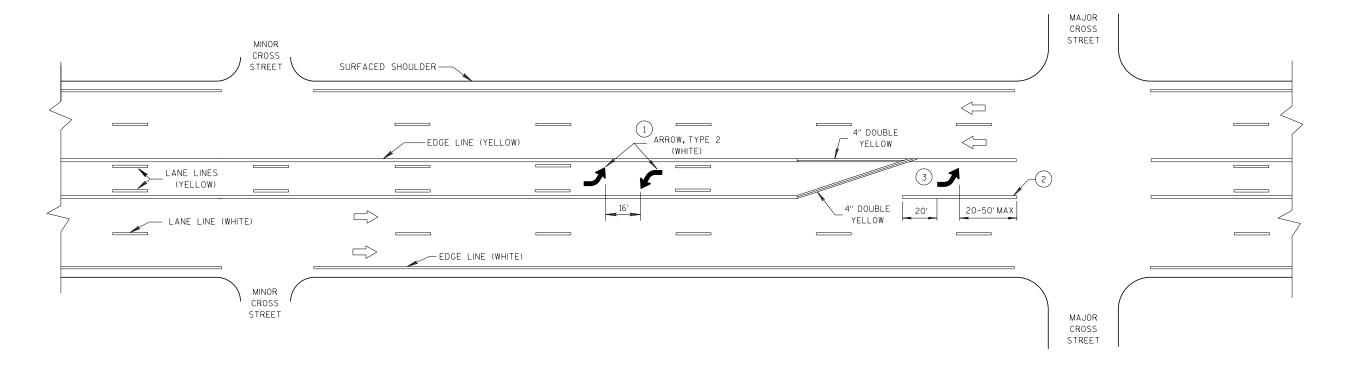
**5**b

**SDD15C07** 





- 1 A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
- 2 8" WHITE
- (3) TURN BAY LENGTH OF LESS THAN 48'DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT
- DIRECTION OF TRAFFIC



TWO WAY LEFT TURN LANE

PAVEMENT MARKING (TURN LANES) 6

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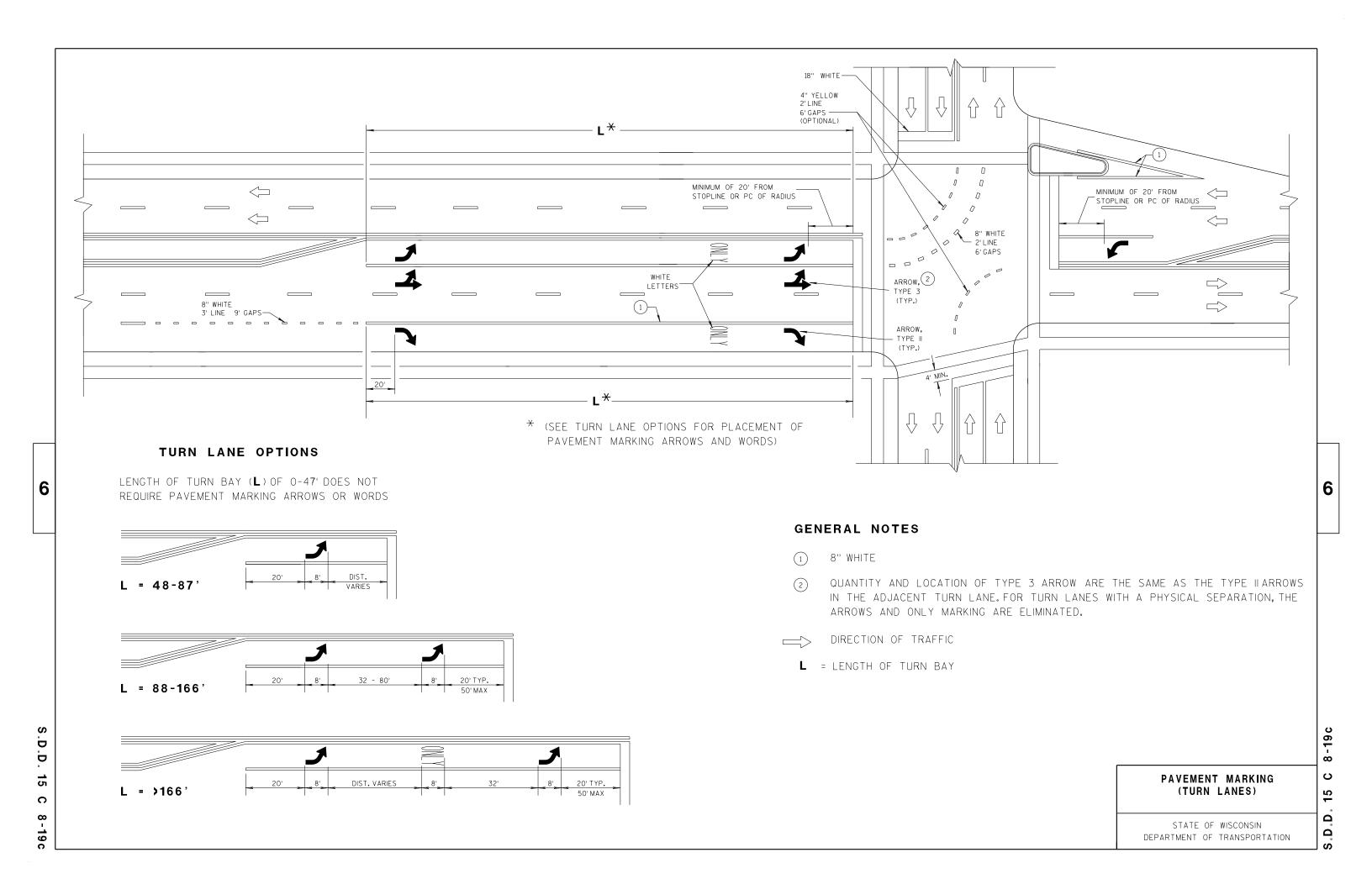
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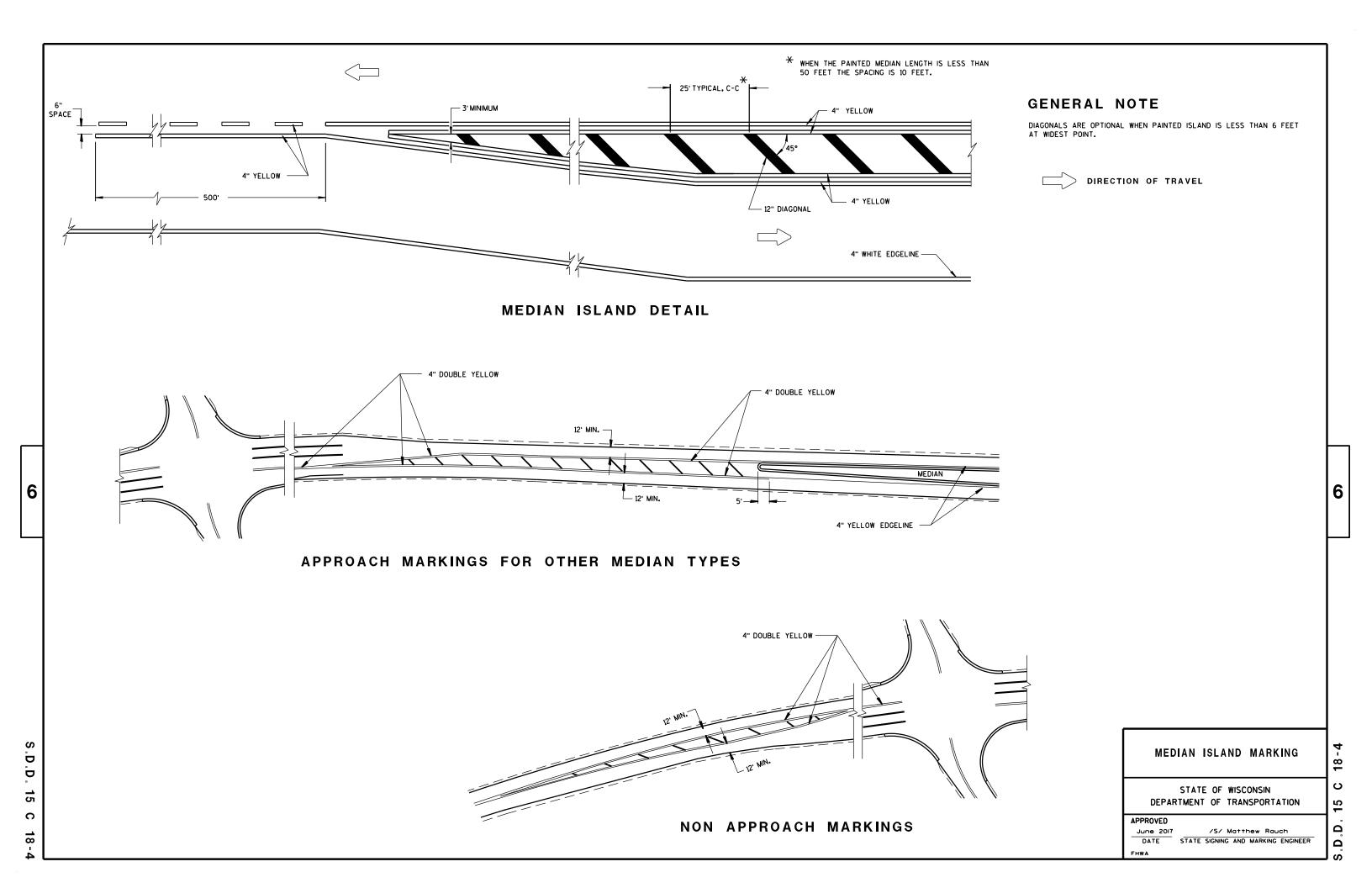
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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

15 C 8-19b

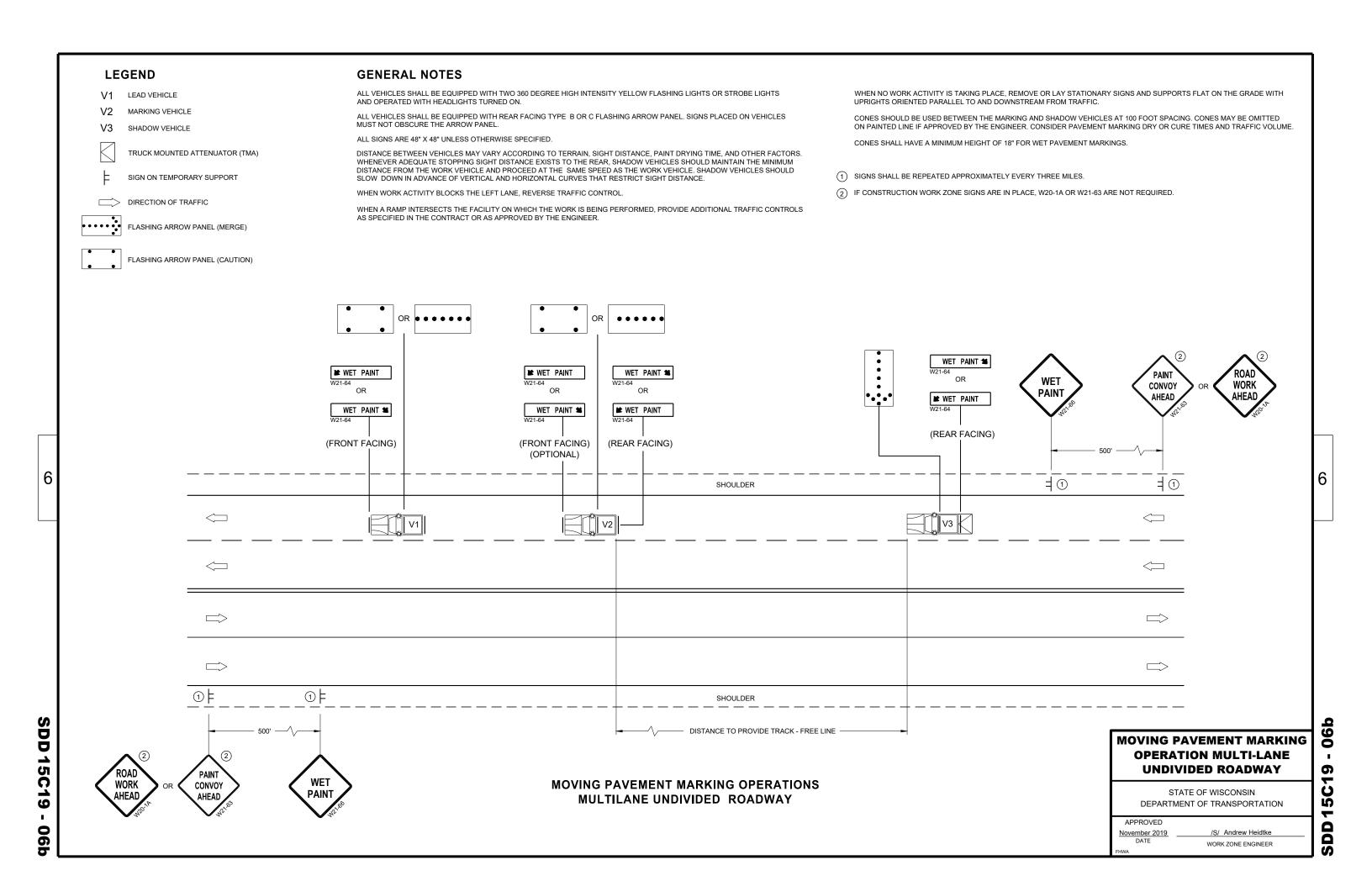


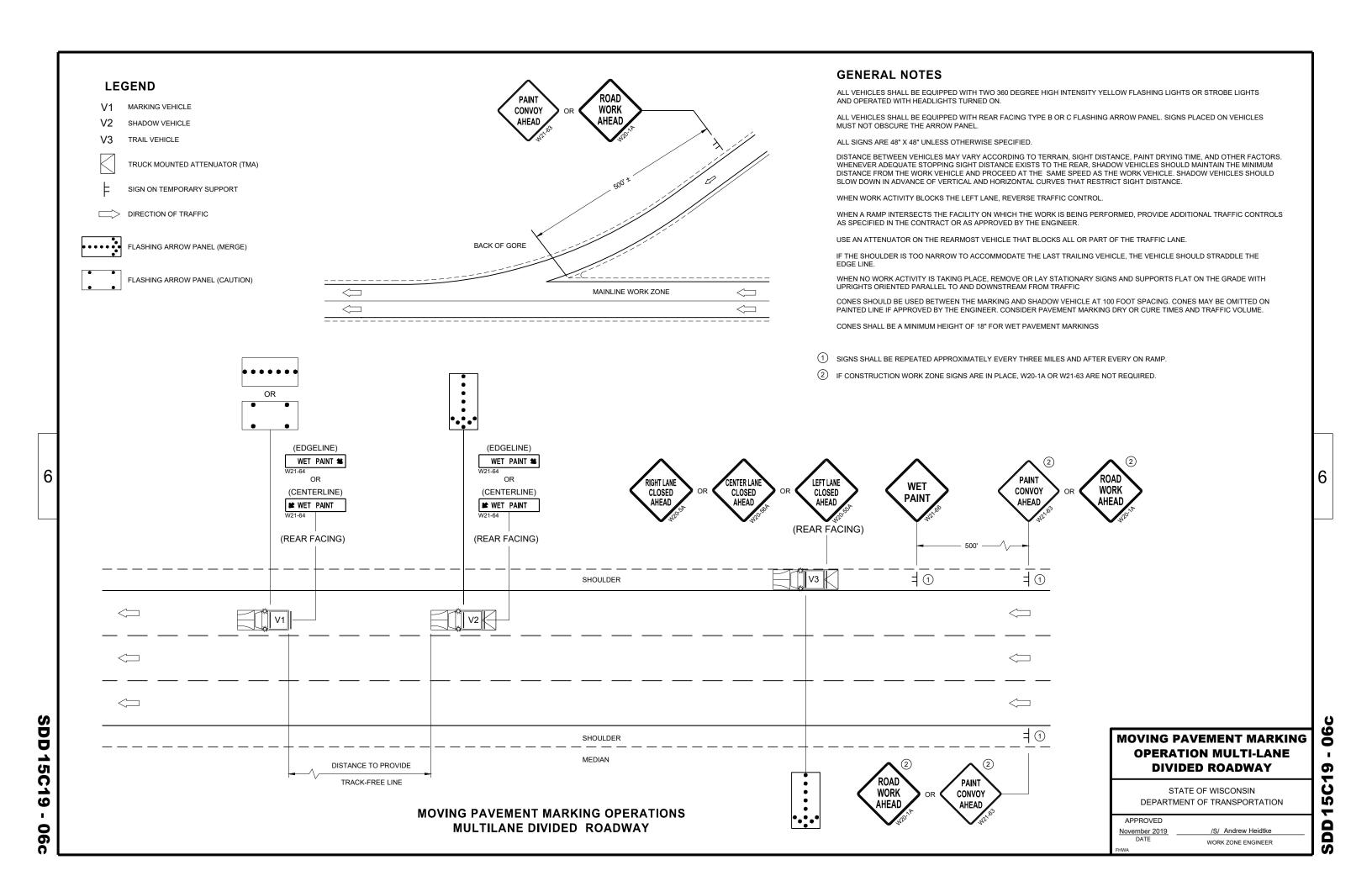


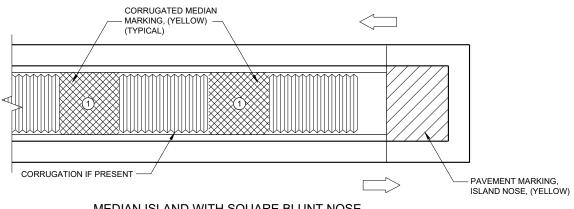
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WORK ZONE ENGINEER

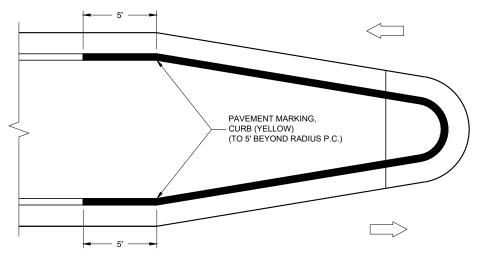
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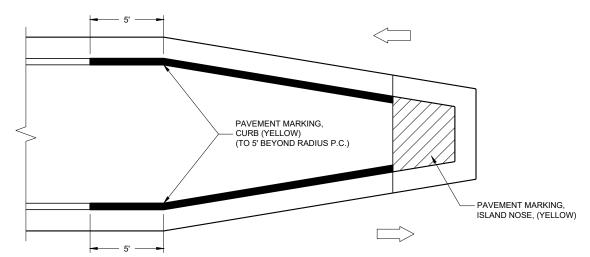




#### MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

#### **TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS**

#### **GENERAL NOTES**

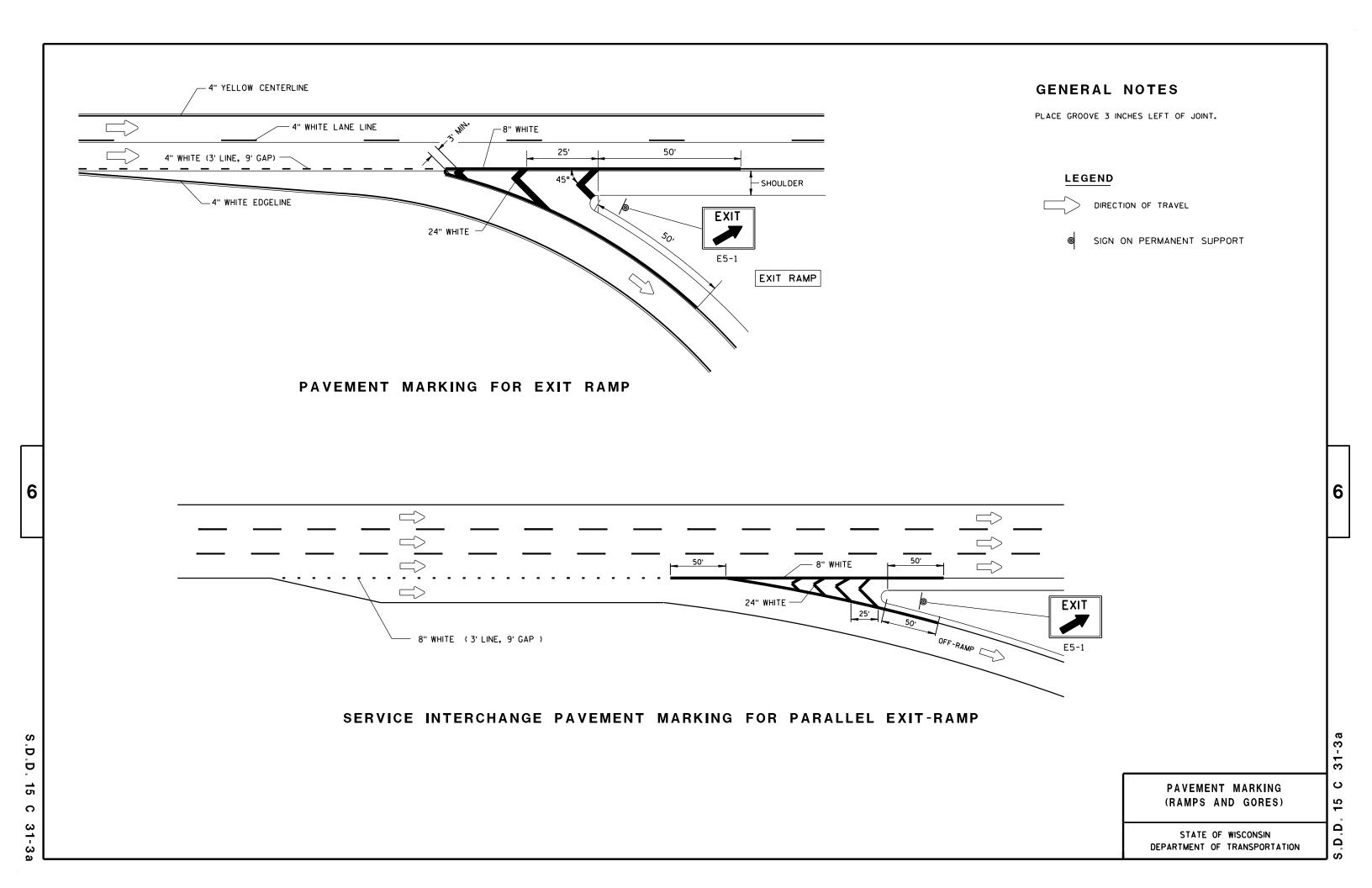
WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

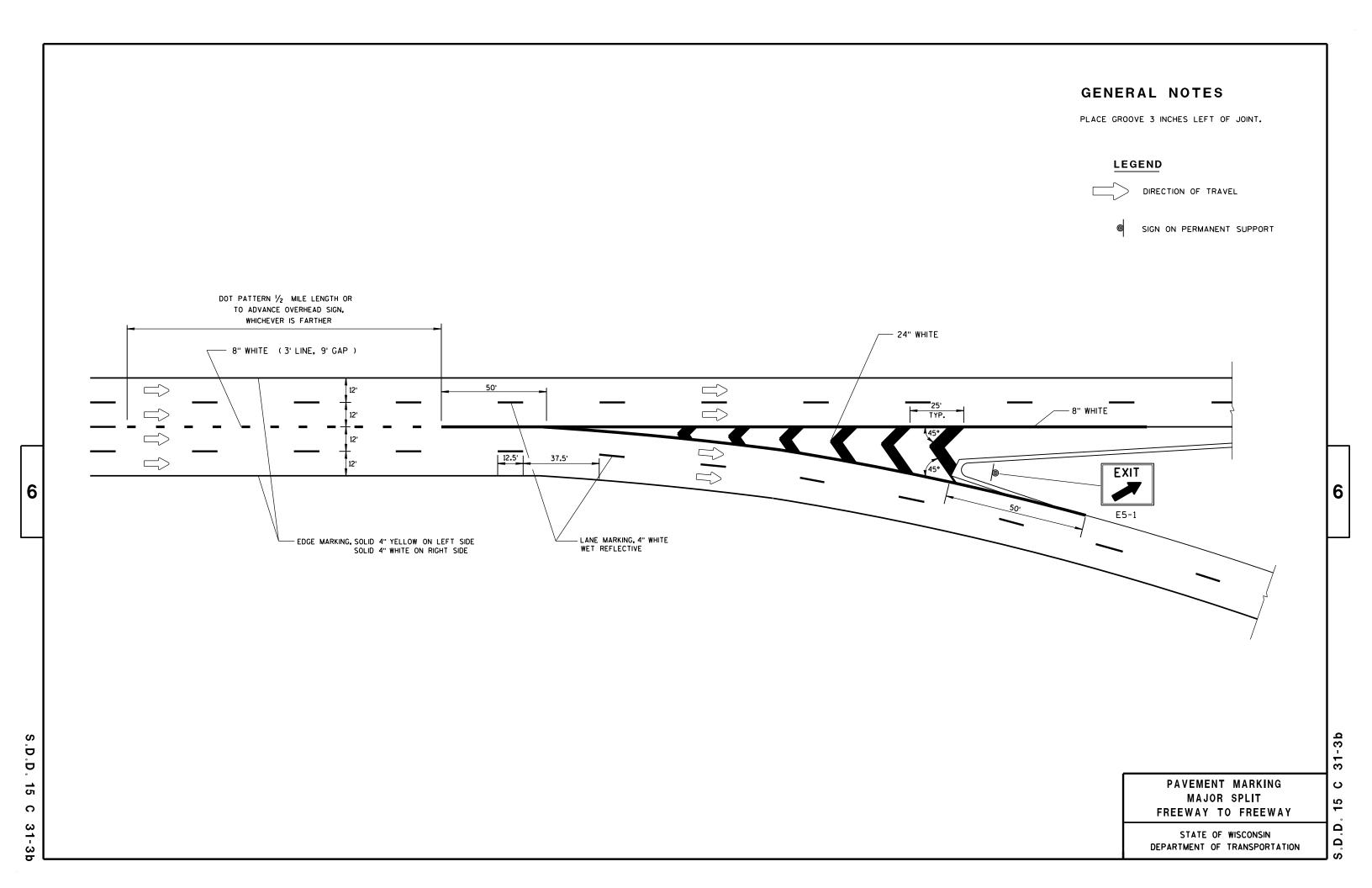


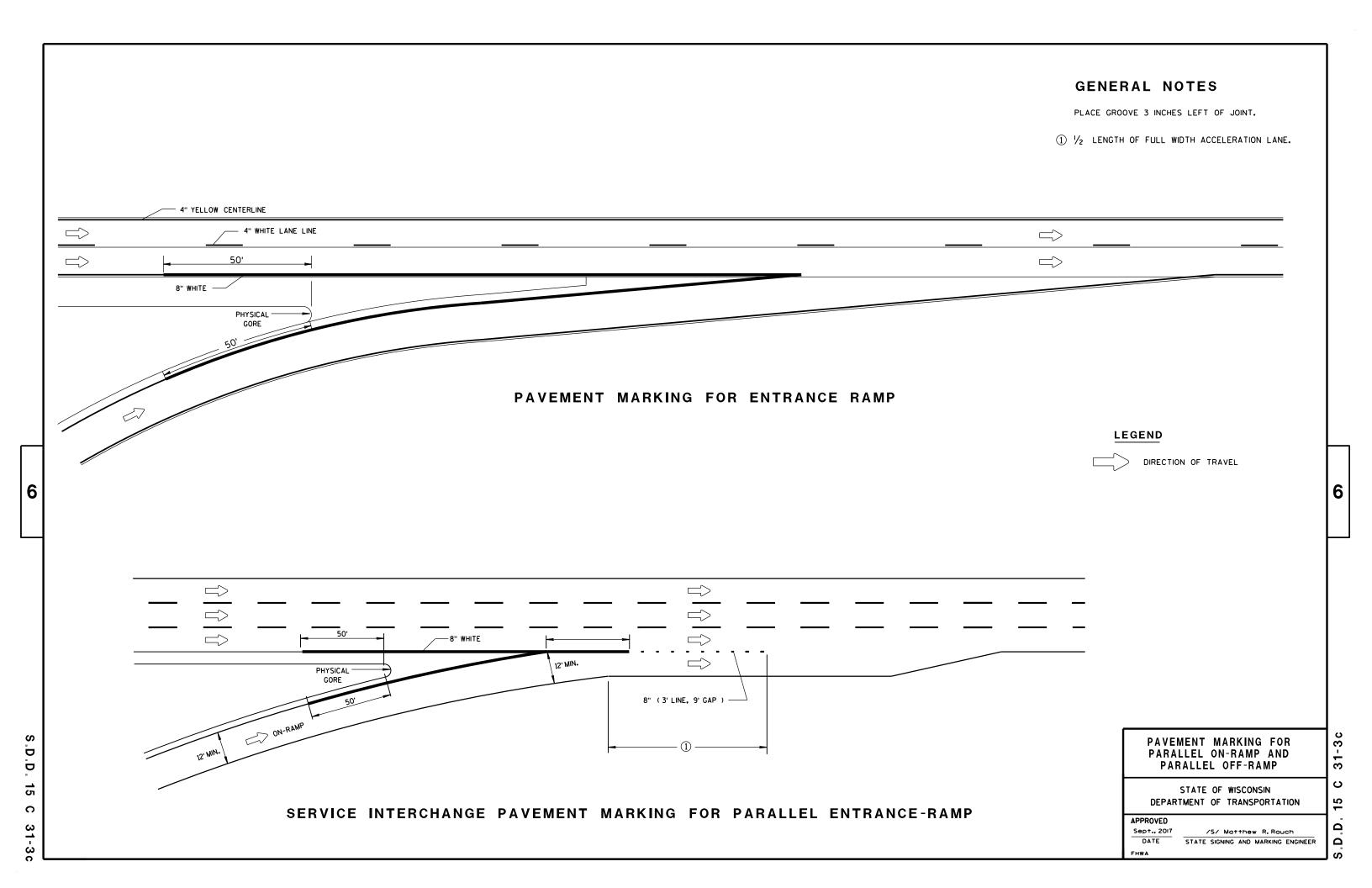
#### **PAVEMENT MARKINGS** (ISLANDS)

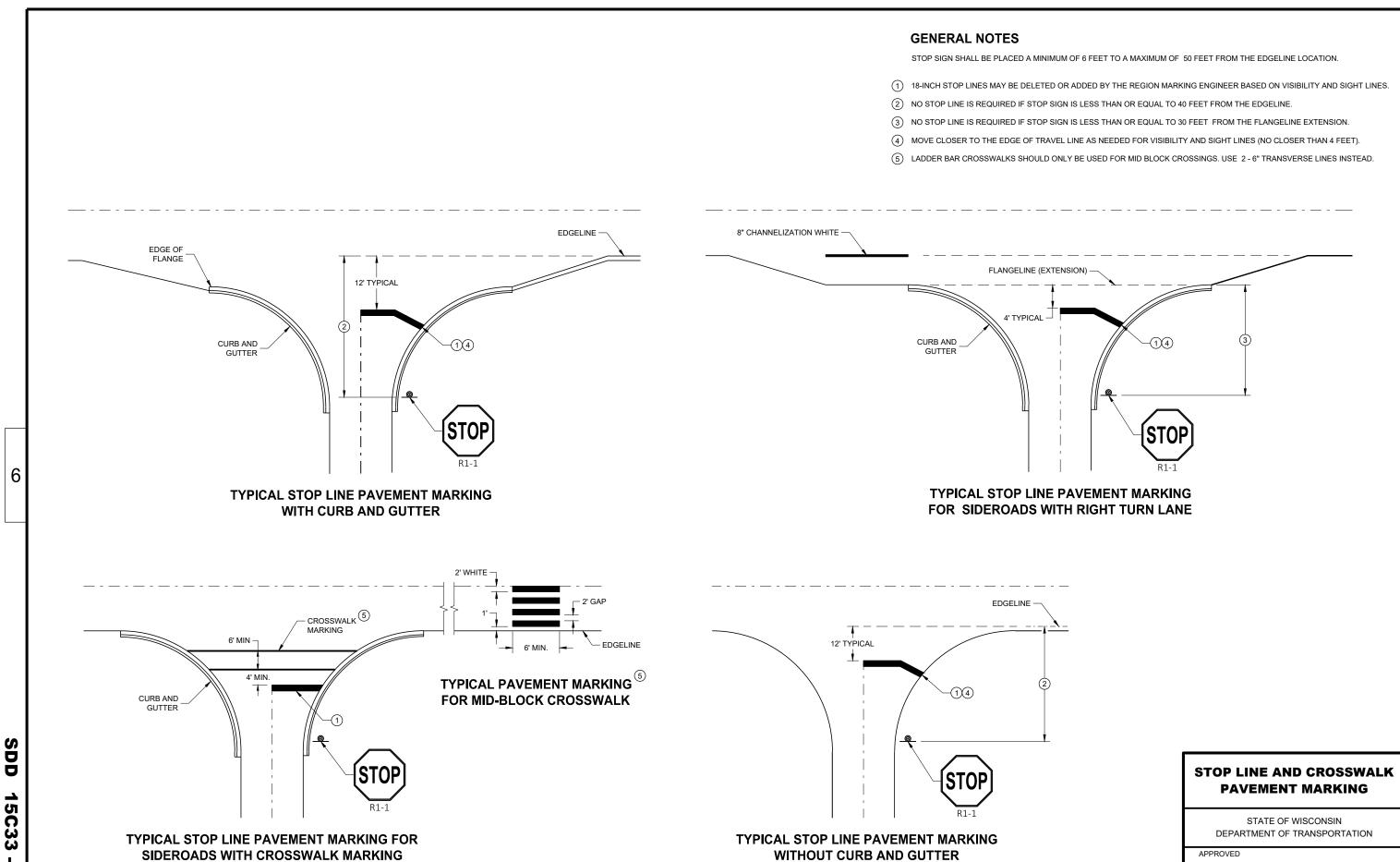
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED	
7/2018	/S/ Matthew R. Rauch
DATE	STATE SIGNING AND MARKING ENGINEER
FHWA	LINGINEER







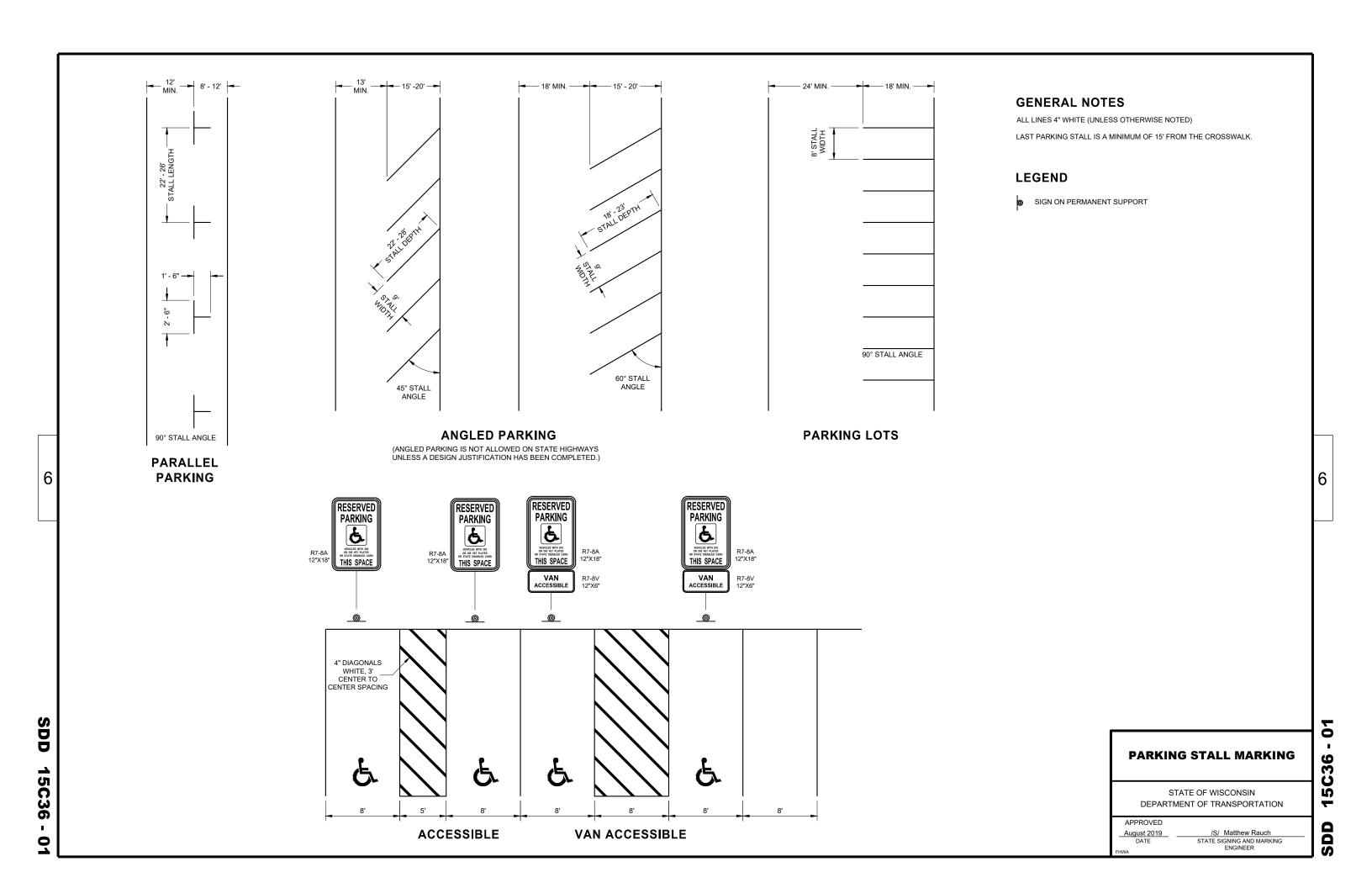


**C33** 15(

SDD

/S/ Matthew Rauch
STATE SIGNING AND MARKING
ENGINEER

November 2019 DATE



#### **GENERAL NOTES**

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48" x 48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

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

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS

NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

#### **LEGEND**

TYPE III BARRICADE WITH ATTACHED SIGN

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT

TRAFFIC CONTROL DRUM

TYPE "A" WARNING LIGHT (FLASHING)

REMOVING PAVEMENT MARKING

DIRECTION OF TRAFFIC

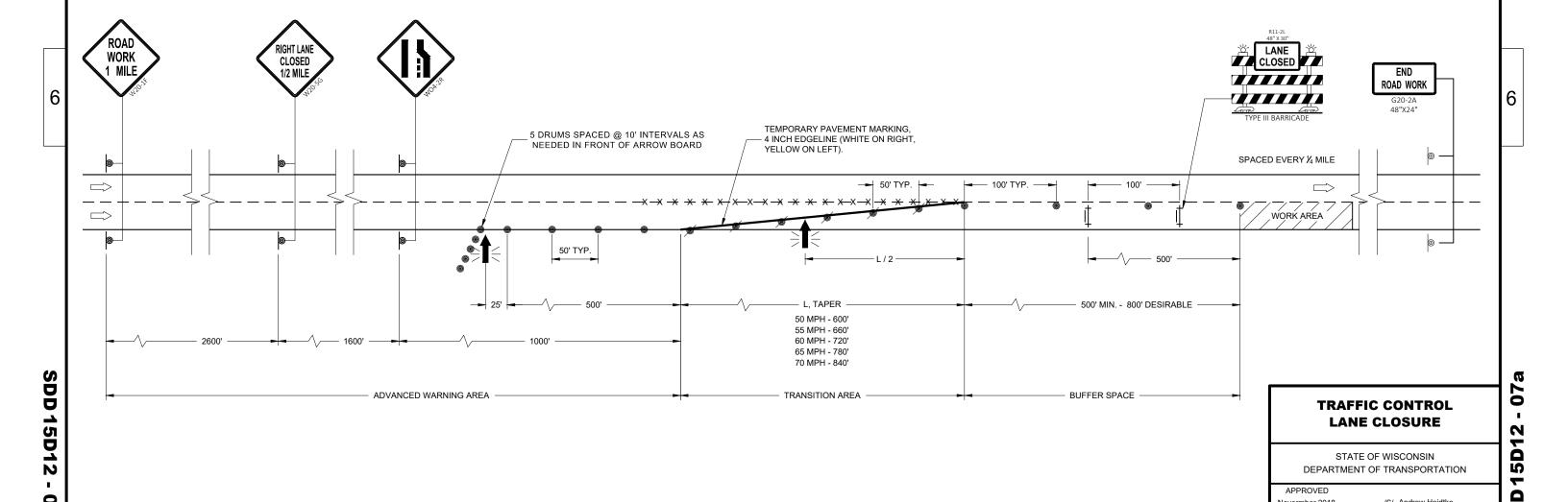
WORK AREA

FLASHING ARROW BOARD

Novermber 2018 DATE

/S/ Andrew Heidtke

WORK ZONE ENGINEER





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 REQUIREMENTS		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

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- 11/2" DIAMETER HOLES

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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.

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3"

MACHINE BOLTS - 1/6" X 6-1/2" OR 7" LENGTH W/ NUTS

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" LENGTH W/ NUTS

RIVETS - 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 3/8" I.D. X 1/16" STEEL

1-1/4" O.D. X 3/8" I.D. X .080 NYLON FOR ALL TYPE H SIGNS

\* 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. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

> ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

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

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# Wisconsin Department of Transportation

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