PROJECT WITH:

8-03-63

MILWAUKE

WKE AUGUST 2016 ORDER OF SHEETS

Section No. 1 Typical Sections and Details Section No. 2 Section No. 3 Estimate of Quantities Section No. 3 Miscellaneous Quantities Section No. 4 Right of Way Plat

Section No. 5 Plan and Profile Section No. 6 Standard Detail Drawings Section No. 7 Sign Plates Section No. 8 Structure Plans

Section No. 9 Computer Earthwork Data Section No. 9 Cross Sections

TOTAL SHEETS = 22

DESIGN DESIGNATION

A.A.D.T. 2014 = 98,600 A.A.D.T. 2034 = 132,800 D.H.V. DESIGN SPEED **ESALS**

CONVENTIONAL SYMBOLS

PLAN		PROFILE	
CORPORATE LIMITS	1//////	GRADE LINE	
PROPERTY LINE		ORIGINAL GROUND MARSH OR ROCK PROFILE	_ <u>rock</u>
LOT LINE		(To be noted as such)	
LIMITED HIGHWAY EASEMENT	L	SPECIAL DITCH	LABEL
EXISTING RIGHT OF WAY PROPOSED OR NEW R/W LINE		GRADE ELEVATION	95.36
SLOPE INTERCEPT		CULVERT (Profile View)	0 □
REFERENCE LINE	300'EB'	UTILITIES	_
EXISTING CULVERT		ELECTRIC OVERHEAD UTILITY	—— E ——
PROPOSED CULVERT (Box or Pipe)	-	FIBER OPTIC	—— F0 ——
COMBUSTIBLE FLUIDS	-CAUTION-	GAS SANITARY SEWER	—— G —— —— SAN ——
	7/1	STORM SEWER	——ss——
MARSH AREA	(* * _ * _ *)	TELEPHONE	— т —
MINION ANEA	\ <u>*</u> _*_/	WATER	—— w ——
		UTILITY PEDESTAL	Д

POWER POLE

TELEPHONE POLE

₫

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

ROADWAY MAINTENANCE PROJECT

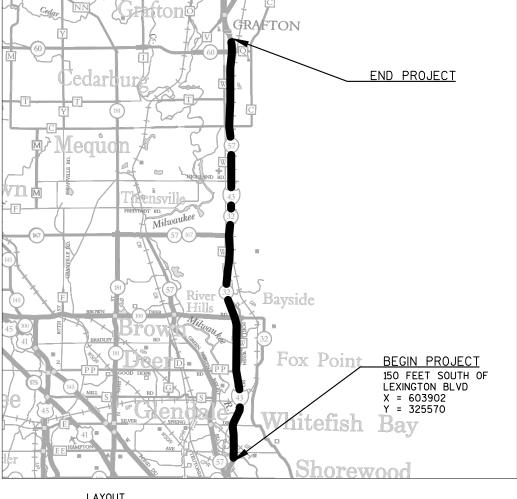
NORTH - SOUTH FREEWAY

LEXINGTON BLVD TO STH 32

IH-43

MILWAUKEE AND OZAUKEE COUNTY

STATE PROJECT NUMBER 1228-03-63



O MILES

TOTAL NET LENGTH OF CENTERLINE = 0.000 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, COUNTY COUNTY, NAD83 (YEAR), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

STATE PROJECT	I EDEKAL I KOOLO	, 1
STATE PROJECT	PROJECT	CONTRACT
1228-03-63		_

FEDERAL PROJECT

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PREPARED BY WISDOT Surveyor PRIYA MITRA DOUGLAS CAIN REGIONAL EXAMINER

APPROVED FOR THE DEPARTMENT

WOODED OR SHRUB AREA

2

CONTACTS:

WISDOT MAINTAINENCE
PAUL AMBROSE
MAINTAINENCE PROGRAM ENGINEER
WISDOT SE REGION
141 NW BARSTOW STREET
WAUKESHA, WI 53188

MILWAUKEE (SOUTH)
DAVID ZEMAN

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141 NW BARSTOW STREET, WAUKESHA WAUKESHA, WI 53188

PHONE: (414) 750-1407

OZAUKEE COUNTY

JIM WEIGLEIN

AREA MAINTAINENCE COORDINATOR

WISDOT SE REGION

141 NW BARSTOW STREET, WAUKESHA

WAUKESHA, WI 53188 PHONE: (414) 750-1406

MILWAUKEE COUNTY HIGHWAY COMMISIONER

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MC RESEARCH PARK-TIC BLDG
10437 INNOVATION DRIVE,5TH FLOOR
WAWUTOSA, WI-53226
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PHONE:(414) 257-5952

MILWAUKEE COUNTY SHERIFF

DAVID A.CLARKE, 821 WEST STATE STREET,ROOM 107 MILWAUKEE, WI 53233 PHONE:(414) 278-4766

OZAUKEE COUNTY SHERIFF

JAMES JOHNSON 1201 SOUTH SPRING STREET PORT WASHINGTON PHONE:(262) 284-8436 OZAUKEE COUNTY HIGHWAY COMMISIONER

ROBERT DREBLOW
410 SOUTH SPRING STREET
PORT WASHINGTON,
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BDREBLOW@CO.OZAUKEE.WI.US
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DNR CONTACT KRISTINA BETZHOLD WDNR - SE REGION

2300 N.MARTIN LUTHER KING DR.

MILWAUKEE-53212

KRISTINA BETZHOLD @WISCONSIN.GOV

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CONTACTS
DOUGLAS CAIN

WISDOT PROJECT MANAGER 141 NW BARSTOW ST. WAUKESHA, WI 53188 DOUGLAS CAIN@DOT.WI.GOV

PHONE: (262) 548-5603

GENERAL NOTES

NO UTILITY FACILITIES ARE EXPECTED TO BE IMPACTED WITHIN THE PROJECT LIMITS.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THE UTILITIES.

IDENTIFY ALL UTILITIES IN THE AREA BY CONTACTING DIGGERS HOTLINE.

NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINES.

QUANTITY FOR ROUTE AND SEAL IS ESTIMATED AT 3 LF PER 1 LB OF MATERIAL.

QUANTITY FOR CRACK SEALING IS ESTIMATED AT 4 LF PER 1 LB OF MATERIAL.

EXISTING EDGELINE PAVEMENT MARKINGS WILL BE REPLACED WITH GROOVED WET REFLECTIVE EPOXY PAVEMENT MARKINGS WITHIN THE PROJECT LIMITS.

ROUTE AND SEAL AND CRACK SEALING LOCATIONS ARE APPROXIMATE AND WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

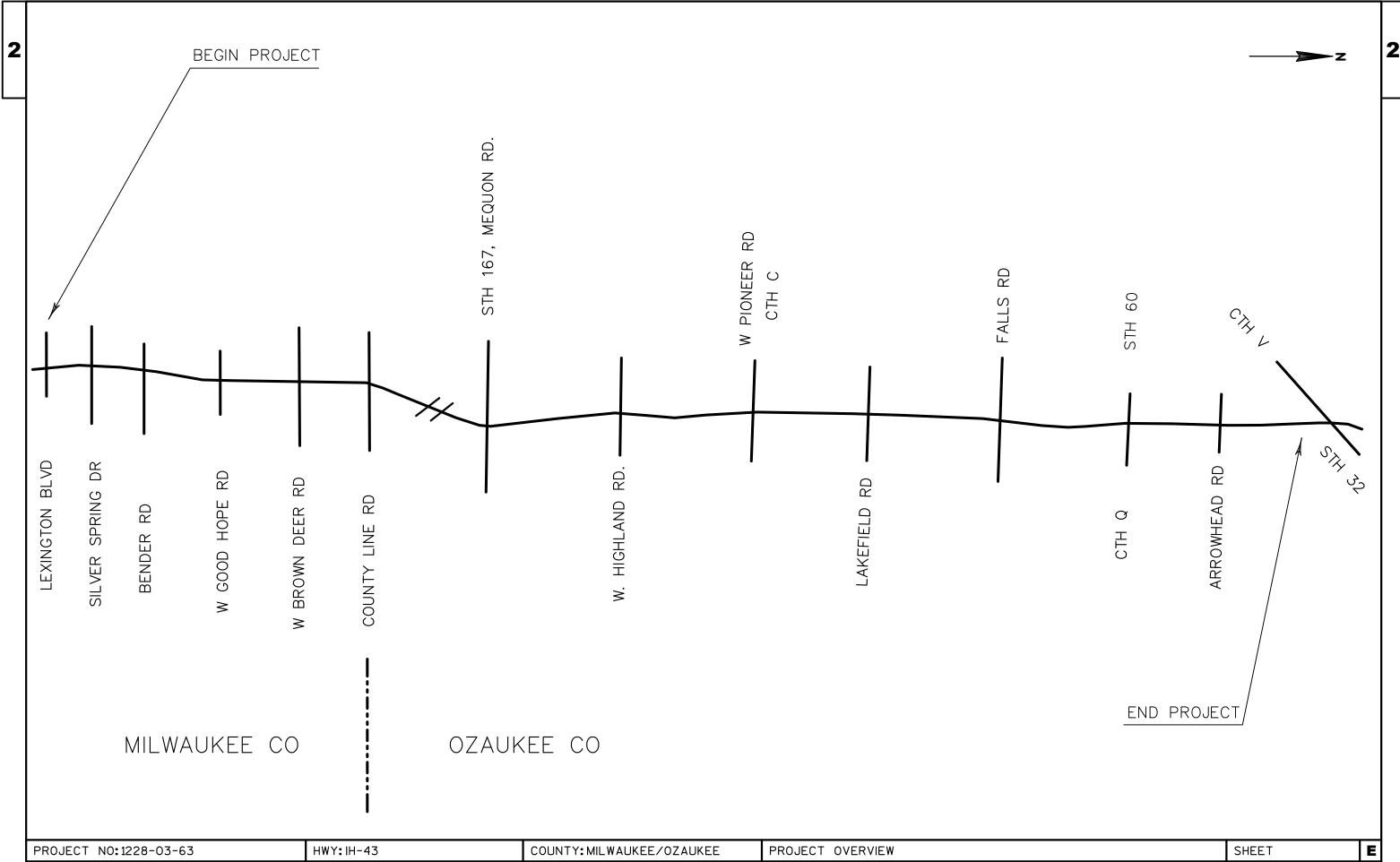
ROUTE AND SEAL AND CRACK SEALING AREA INCLUDES MAINLINE TRAVEL LANES, TURNLANES, AUXILLARY LANES AND TAPER SECTIONS AND RAMPS.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

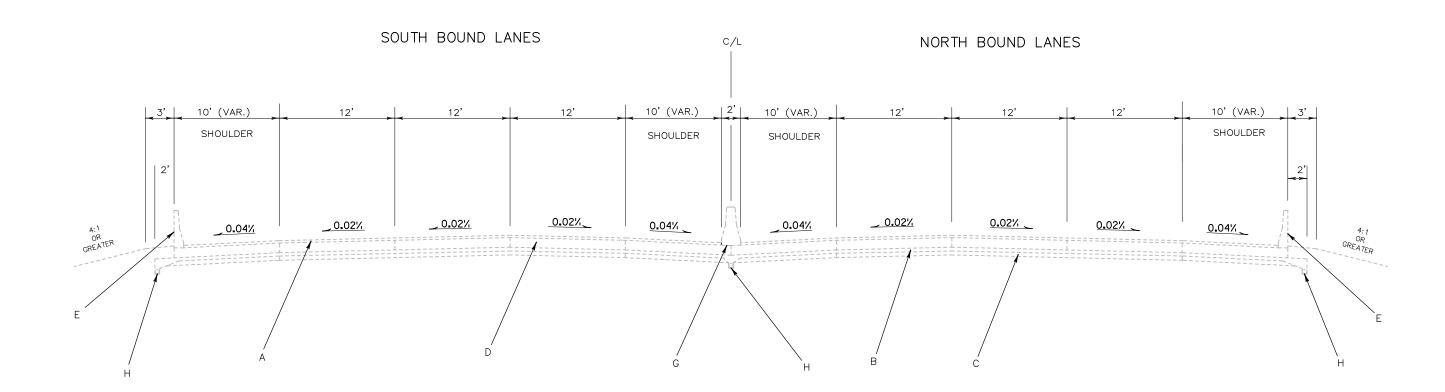


PROJECT NO: 1228-03-63 HWY: IH-43 COUNTY: MILWAUKEE / OZAUKEE GENERAL NOTES AND UTILITY CONTACTS SHEET: E

FILE NAME : ______ PLOT BY : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1



2



EXISTING TYPICAL SECTION

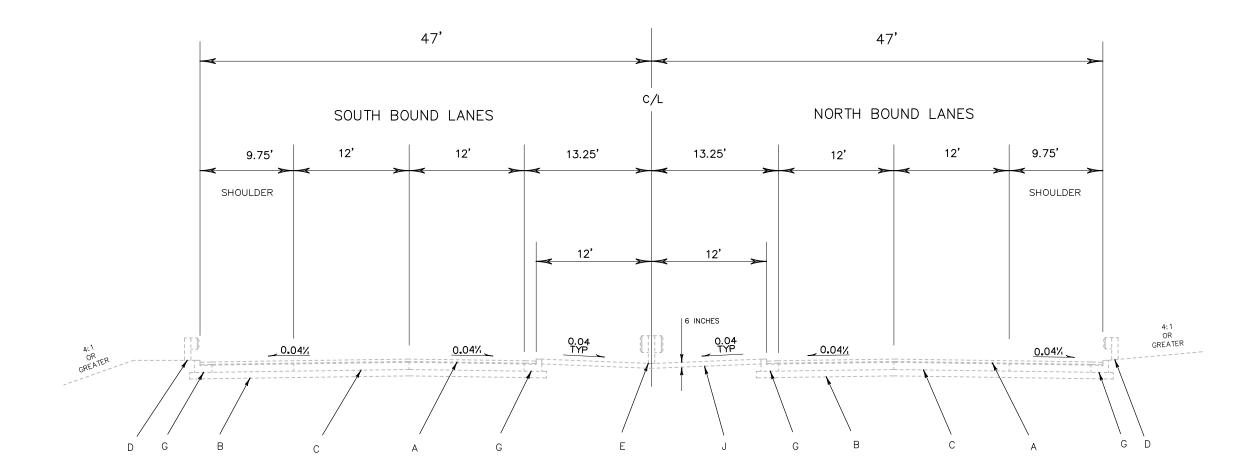
IH-43

(LEXINGTON BLVD. TO BENDER RD.)

- A EXISTING 2 INCHES OF HMA E-30
- B EXISTING 4 INCHES BASE AGGREGATE OPEN GRADED
- C EXISTING 4 INCHES BASE AGGREGATE DENSE
- D EXISTING 10 INCHES CONCRETE PAVEMENT, DOWELED
- E EXISTING SINGLE FACED CONCRETE BARRIER
- G EXISTING DOUBLE FACED CONCRTE BARRIER H EXISTING 4 INCH PIPE UNDERDRAIN, WRAPPED

PROJECT NO:1228-03-63 HWY: IH-43 COUNTY: MILWAUKEE/OZAUKEE TYPICAL SECTIONS SHEET **E**

WISDOT/CADDS SHEET 42



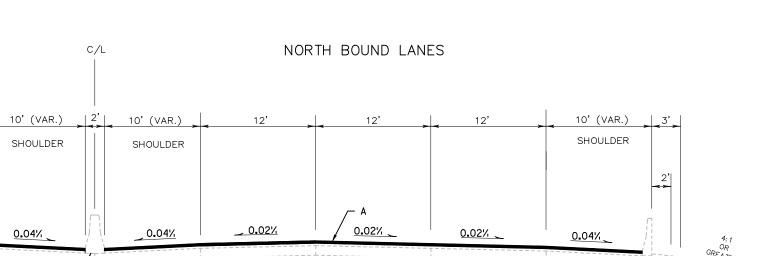
EXISTING TYPICAL SECTION IH-43

(BENDER RD. TO STH 32))

- A EXISTING PLACE 2 INCHES HMA E-30
- B EXISTING 8 INCHES BASE AGGREGATE DENSE C EXISTING 9 INCHES REINFORCED CONCRETE PAVEMENT
- D EXISTING MGS GUARDRAIL 3, SEE SDD
- E EXISTING STEEL THRIE BEAM, DOUBLE-FACED
- G EXISTING 22 INCH CURB AND GUTTER
- J REMOVE 6 INCHES EXISTING TOPSOIL, PLACE SALVAGED ASPHALTIC PAVEMENT, SPECIAL 6 INCHES

PROJECT NO:1228-03-63 HWY: IH-43 COUNTY: MILWAUKEE/OZAUKEE SHEET E TYPICAL SECTIONS PLOT SCALE : 1 IN:10 FT





PROPOSED TYPICAL SECTION

SOUTH BOUND LANES

0.021/1

__0.02½

0.02%

IH-43
(LEXINGTON BLVD. TO BENDER RD.)

A ROUTE AND SEAL AND CRACK SEALING

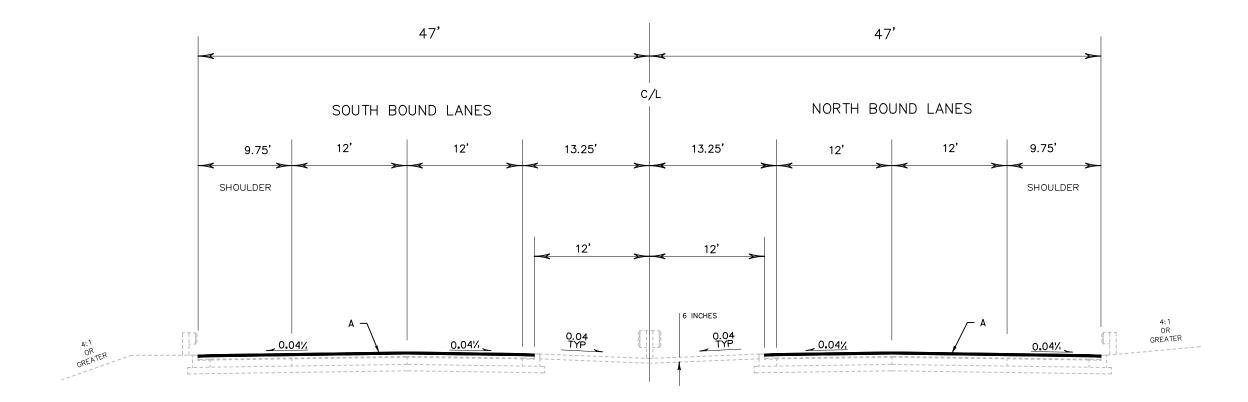
3' 10' (VAR.)

SHOULDER

0.04%

PROJECT NO:1228-03-63 HWY: IH-43 COUNTY: MILWAUKEE/OZAUKEE TYPICAL SECTIONS SHEET **E**

2

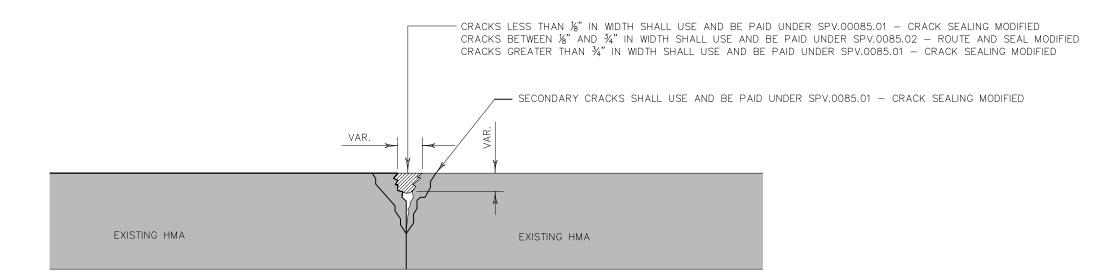


PROPOSED TYPICAL SECTION

IH-43
(BENDER RD. TO STH 32))

A ROUTE AND SEAL AND CRACK SEALING

PROJECT NO:1228-03-63 HWY: IH-43 COUNTY: MILWAUKEE/OZAUKEE TYPICAL SECTIONS SHEET **E**



LONGITUDINAL AND / OR TRANSVRSE
ROUTE AND SEAL AND CRACK SEALING — DETAIL

PROJECT NO:1228-03-63 HWY:H-43 COUNTY:MILWAUKEE/OZAUKEE CONSTRUCTION DETAIL SHEET **E**

DATE 31	MAY16	E S	TIMAT	E OF QUAN	
LI NE NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	1228-03-63 QUANTI TY
0010	213. 0100	Finishing Roadway (project) 01. 1228-03-63	EACH	1. 000	1. 000
0020	619. 1000	Mobilization	EACH	1.000	1. 000
0030	624. 0100	Water	MGAL	15. 000	15. 000
0040	643.0100	Traffic Control (project) 01. 1228-03-63	EACH	1.000	1. 000
0050	643. 0300	Traffic Control Drums	DAY	3, 410. 000	3, 410. 000
0060	643. 0420	Traffic Control Barricades Type III	DAY	220. 000	220. 000
0070	643. 0715	Traffic Control Warning Lights Type C	DAY	242. 000	242. 000
0800	643. 0800	Traffic Control Arrow Boards	DAY	44. 000	44.000
0090	643. 0900	Traffic Control Signs	DAY	242. 000	242. 000
0100	643. 1050	Traffic Control Signs PCMS	DAY	22. 000	22. 000
0110	646. 0841. S	Pavement Marking Grooved Wet Reflective Contrast Tape 4-Inch	LF	3, 723. 000	3, 723. 000
0120	646. 0843. S	Pavement Marking Grooved Wet Reflective Contrast Tape 8-Inch	LF	2, 500. 000	2, 500. 000
0130	646. 2304. S	Pavement Marking Grooved Wet Reflective Epoxy 4-Inch	LF	74, 461. 000	74, 461. 000
0140	647. 0746	Pavement Marking Diagonal Epoxy 24-Inch	LF	500.000	500.000
0150	649. 0400	Temporary Pavement Marking Removable Tape 4-Inch	LF	2, 500. 000	2, 500. 000
0160	SPV. 0085	Special 01. Crack Sealing Modified	LB	9, 982. 000	9, 982. 000
0170	SPV. 0085	Special 02. Route and Seal Modified	LB	85, 781. 000	85, 781. 000

Е

SHEET:

ROUTE AND SEAL/ CRACK SEALING

STA		STA	HIGHWAY	NUMBER OF LANES	LENGTH (LF)	SPV.0085.02 ROUTE AND SEAL MODIFIED (LB)	SPV.0085.01 CRACK SEALING MODIFIED (LB)	624.0100 WATER (MGAL)
1500 FT SOUTH OF LEXINGTON BLVD		725 FT SOUTH OF BENDER RD	IH 43 NB	3	6,825	5,219	552	
725 FT SOUTH OF BENDER RD		800 FT NORTH OF BENDER RD	IH 43 NB	2	1,475	1,060	107	
800 FT NORTH OF BENDER ROAD		1750 FT SOUTH OF W. GOOD HOPE RD	IH 43 NB	2	4,150	2,854	276	
1750 FT SOUTH OF GOOD HOPE RD		2400 FT SOUTH OF W. OF BROWN DEER RD	IH 43 NB	2	6,900	4,319	379	
2400 FT SOUTH OF W. BROWN DEER RD		COUNTY LINE RD	IH 43 NB	2	3,200	2,003	176	
COUNTY LINE RD		950 FT NORTH OF ARROWHEAD RD	IH 43 NB	2	51,911	21,102	2,849	
SILVERSPRING DR			NB OFF-RAMP		1,723	244		
SILVERSPRING DR			NB OFF-RAMP		2,380	337		
SILVERSPRING DR			NB OFF-RAMP		621	88		
SILVERSPRING DR			NB ON-RAMP		2,077	294		
GOOD HOPE RD			NB OFF-RAMP		1,100	156		
GOOD HOPE RD			NB ON-RAMP		1,200	170		
BROWN DEER RD			NB OFF-RAMP		720	102		
BROWN DEER RD			NB OFF-RAMP		1,000	141		
BROWN DEER RD			NB ON-RAMP		820	116		
BROWN DEER RD			NB ON-RAMP		1,280	181		
PORT WASHINGTON RD			NB OFF-RAMP		600	85		
STH 167, MEQUON RD.			NB OFF-RAMP		950	134		
STH 167, MEQUON RD.			NB ON-RAMP		1,030	146		
CTH C, PIONEER RD.			NB OFF-RAMP		725	103		
CTH C, PIONEER RD.			NB ON-RAMP		1,200	170		
STH 60, CTH Q			NB OFF-RAMP		660	93		
STH 60, CTH Q			NB ON-RAMP		900	127		
1500 FT SOUTH OF LEXINGTON BLVD		725 FT SOUTH OF BENDER RD	IH 43 SB	3	6,825	2,951	507	
725 FT SOUTH OF BENDER RD		800 FT NORTH OF BENDER RD	IH 43 SB	2	1,475	622	98	
800 FT NORTH OF BENDER ROAD		1750 FT SOUTH OF W. GOOD HOPE RD	IH 43 SB	2	4,150	1,721	253	
1750 FT SOUTH OF GOOD HOPE RD		2400 FT SOUTH OF W. GOOD HOPE RD	IH 43 SB		6,900	2,763	348	
2400 FT SOUTH OF W. BROWN DEER RD				2				
		COUNTY LINE RD	IH 43 SB	2	3,200	1,282	161	
COUNTY LINE RD SILVERSPRING DR		950 FT NORTH OF ARROWHEAD RD	IH 43 SB	2	51,911	20,791	2,615	
			SB OFF-RAMP		1,000	141		
SILVERSPRING DR			SB ON-RAMP		1,330	188		
GOOD HOPE RD			SB OFF-RAMP		1,170	165		
GOOD HOPE RD			SB ON-RAMP		1,130	160		
BROWN DEER RD			SB OFF-RAMP		760	107		
BROWN DEER RD			SB OFF-RAMP		1,060	150		
BROWN DEER RD			SB ON-RAMP		900	127		
BROWN DEER RD			SB ON-RAMP		1,176	166		==
COUNTY LINE RD			SB ON-RAMP		820	116		==
STH 167, MEQUON RD.			SB OFF-RAMP		920	130		
STH 167. MEQUON RD.			SB ON-RAMP		1,030	146		
CTH C, PIONEER RD.			SB OFF-RAMP		900	127		
CTH C, PIONEER RD.			SB ON-RAMP		750	106		
STH 60, CTH Q			SB OFF-RAMP		900	127		
STH 60, CTH Q			SB OFF-RAMP		1,100	156		
UN	DISTR	BUTED				14,297	1,664	15
TOTAL					182,854	85,781	9,982	15

PROJECT NO:1228-03-63	HWY : IH -43	COUNTY:MILWAUKEE/ OZAUKEE	MISCELLANEOUS QUAN	TITIES	
		PLOT DATE ·	PLOT BY:	PLOT NAME :	PLOT SCALE : 1:1

TRAFFIC CONTROL

			LANES	PROJECT	APPROX.	643.0300	643.0420	643.0715 WARNING	643.0800 ARROW	643.0900	643.1050 SIGNS
LIMIT	 LIMIT	HIGHWAY	BEING CLOSED	LENGTH (LF)	DAYS CLOSED	DRUMS (DAY)	BARRICADES TYPE III (DAY)	C (DAY)	BOARDS (DAY)	SIGNS (DAY)	PCMS (DAY)
1500 FT SOUTH OF LEXINGTON BLVD	 725 FT SOUTH OF BENDER RD	IH-43 NB	1	6,825	1	155	10	11	2	11	1
725 FT SOUTH OF BENDER RD	 800 FT NORTH OF BENDER RD	IH-43 NB	1	1,475	1	155	10	11	2	11	1
800 FT NORTH OF BENDER ROAD	 1750 FT SOUTH OF W. GOOD HOPE RD	IH-43 NB	1	4,150	1	155	10	11	2	11	1
1750 FT SOUTH OF GOOD HOPE RD	 2400 FT SOUTH OF W. OF BROWN DEER RD	IH-43 NB	1	6,900	1	155	10	11	2	11	1
2400 FT SOUTH OF W. BROWN DEER RD	 COUNTY LINE RD	IH-43 NB	1	3,200	1	155	10	11	2	11	1
COUNTY LINE RD	 950 FT NORTH OF ARROWHEAD RD	IH-43 NB	1	51,911	6	930	60	66	12	66	6
1500 FT SOUTH OF LEXINGTON BLVD	 725 FT SOUTH OF BENDER RD	IH-43 SB	1	6,825	1	155	10	11	2	11	1
725 FT SOUTH OF BENDER RD	 800 FT NORTH OF BENDER RD	IH-43 SB	1	1,475	1	155	10	11	2	11	1
800 FT NORTH OF BENDER ROAD	 1750 FT SOUTH OF W. GOOD HOPE RD	IH-43 SB	1	4,150	1	155	10	11	2	11	1
1750 FT SOUTH OF GOOD HOPE RD	 2400 FT SOUTH OF W. OF BROWN DEER RD	IH-43 SB	1	6,900	1	155	10	11	2	11	1
2400 FT SOUTH OF W. BROWN DEER RD	 COUNTY LINE RD	IH-43 SB	1	3,200	1	155	10	11	2	11	1
COUNTY LINE RD	 950 FT NORTH OF ARROWHEAD RD	IH-43 SB	1	51,911	6	930	60	66	12	66	6
TOTALS					22	3,410	220	242	44	242	22

Traffic Control quantities can vary in the field due how contractor chooses to carry out working operations

PROJECT NO:1228-03-63 HWY:IH-43	COUNTY:MILWAUKEE /OZAUKEE	MISCELLANEOUS QUANTITIES	SHEET:	E
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FILE NAME : _____ PLOT BY : ____ PLOT NAME : ____ PLOT SCALE : 1:1

PAVEMENT MARKING ITEMS

					646.2304.S PAVEMENT MARKING GROOVED WET REFLECTIVE EPOXY 4-INCH (SOLID WHITE)	646.2304.S PAVEMENT MARKING GROOVED WET REFLECTIVE EPOXY 4-INCH (SOLID YELLOW)	646.0841.S PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 4- INCH (DASHED WHITE)	646.0843.S PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8- INCH (SOLID WHITE)	647.0746 PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4- INCH (SOLID WHITE)
LIMIT		LIMIT	HIGHWAY	NUMBER OF LANES	LF	LF	LF	LF	LF	LF
1500 FT SOUTH OF LEXINGTON BLVD		725 FT SOUTH OF BENDER RD	IH 43 NB	3	1,706	1,706				
725 FT SOUTH OF BENDER RD		800 FT NORTH OF BENDER RD	IH 43 NB	2	369	369				
800 FT NORTH OF BENDER ROAD		1750 FT SOUTH OF W. GOOD HOPE RD	IH 43 NB	2	1,038	1,038				
1750 FT SOUTH OF GOOD HOPE RD		2400 FT SOUTH OF W. OF BROWN DEER RD	IH 43 NB	2	1,725	1,725				
2400 FT SOUTH OF W. BROWN DEER RD		COUNTY LINE RD	IH 43 NB	2	800	800				
COUNTY LINE RD		950 FT NORTH OF ARROWHEAD RD	IH 43 NB	2	12,978	12,978				
1500 FT SOUTH OF LEXINGTON BLVD		725 FT SOUTH OF BENDER RD	IH 43 SB	3	1,706	1,706				
725 FT SOUTH OF BENDER RD		800 FT NORTH OF BENDER RD	IH 43 SB	2	369	369				
800 FT NORTH OF BENDER ROAD		1750 FT SOUTH OF W. GOOD HOPE RD	IH 43 SB	2	1,038	1,038				
1750 FT SOUTH OF GOOD HOPE RD	-	2400 FT SOUTH OF W. OF BROWN DEER RD	IH 43 SB	2	1,725	1,725				
2400 FT SOUTH OF W. BROWN DEER RD		COUNTY LINE RD	IH 43 SB	2	800	800				
COUNTY LINE RD		950 FT NORTH OF ARROWHEAD RD	IH 43 SB	2	12,978	12,978				
SUB-TOTAL					37,231	37,231				
UN	DISTRI	IBUTED					3,723	2,500	500	2,500
TOTALS					74,	461	3,723	2,500	500	2,500

PROJECT NO:1228-03-63 HWY:IH-43	COUNTY:MILWAUKEE/OZAUKEE	MISCELLANEOUS QUANTITIES	SHEET:	E
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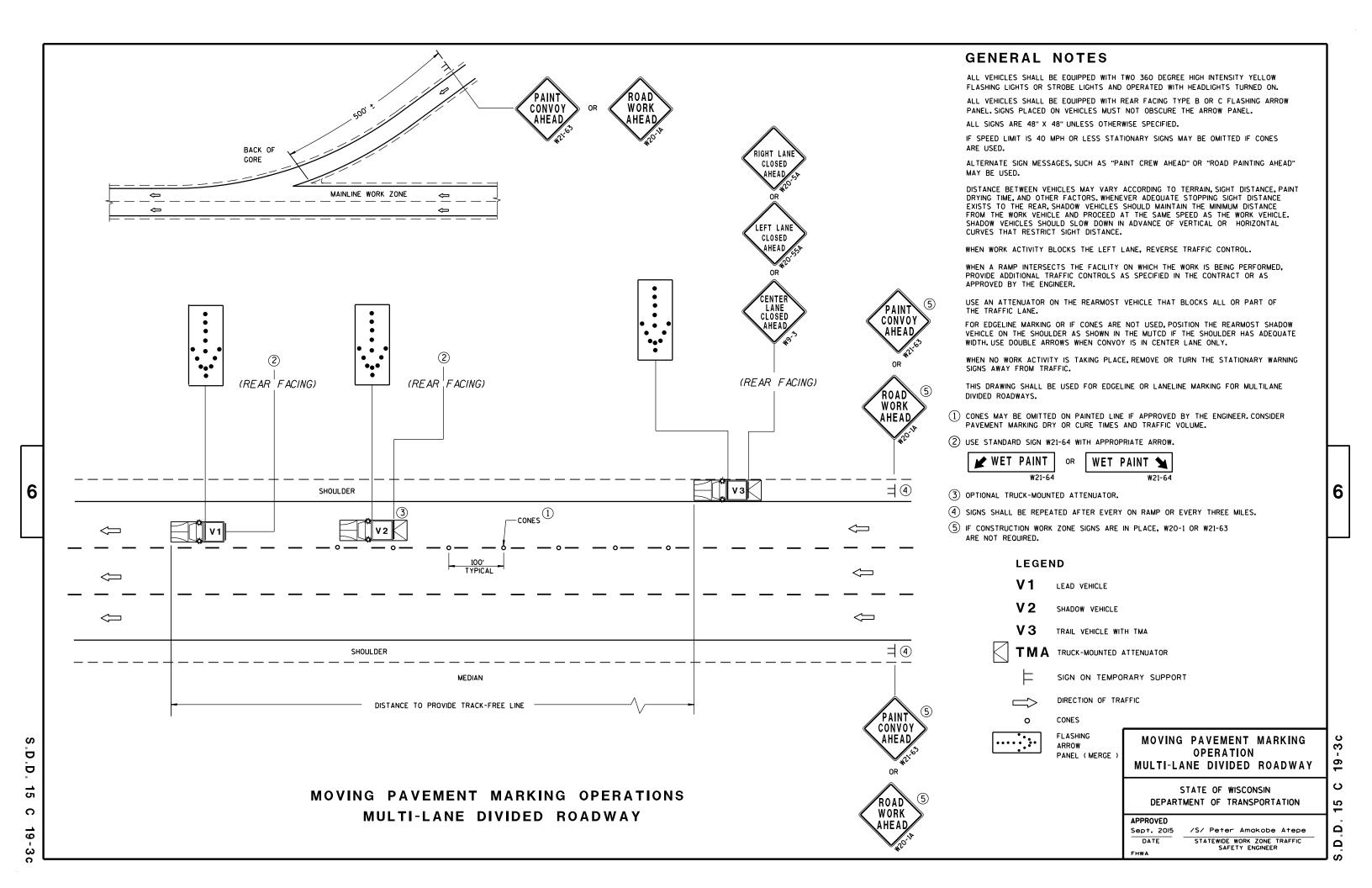
FILE NAME : _____ PLOT BY : ____ PLOT NAME : ____ PLOT SCALE : 1:1

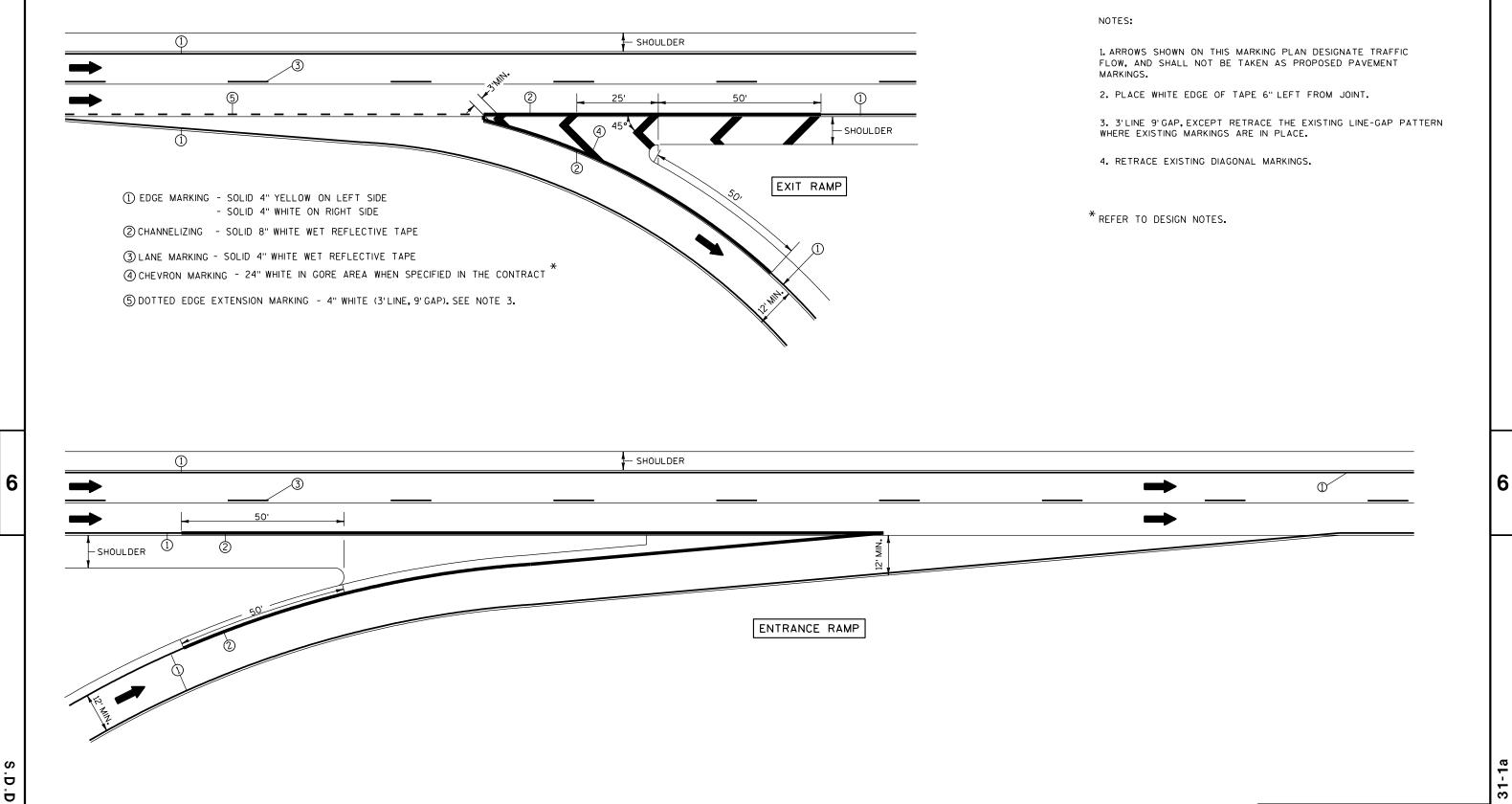
Standard Detail Drawing List

15C08-16A	PAVEMENT MARKING (MAINLINE)
15C19-03C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C31-01A	PAVEMENT MARKING (RAMPS AND GORES)
15C31-01D	PAVEMENT MARKING FOR PARALLEL ON-RAMP AND PARALLEL OFF-RAMP
15D12-06A	TRAFFIC CONTROL, LANE CLOSURE
15D14-03	TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY, SHORT-TERM (LESS THAN 24 HOURS)
15D15-02	TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE
15D16-03	TRAFFIC CONTROL, EXIT RAMP CLOSURE

6





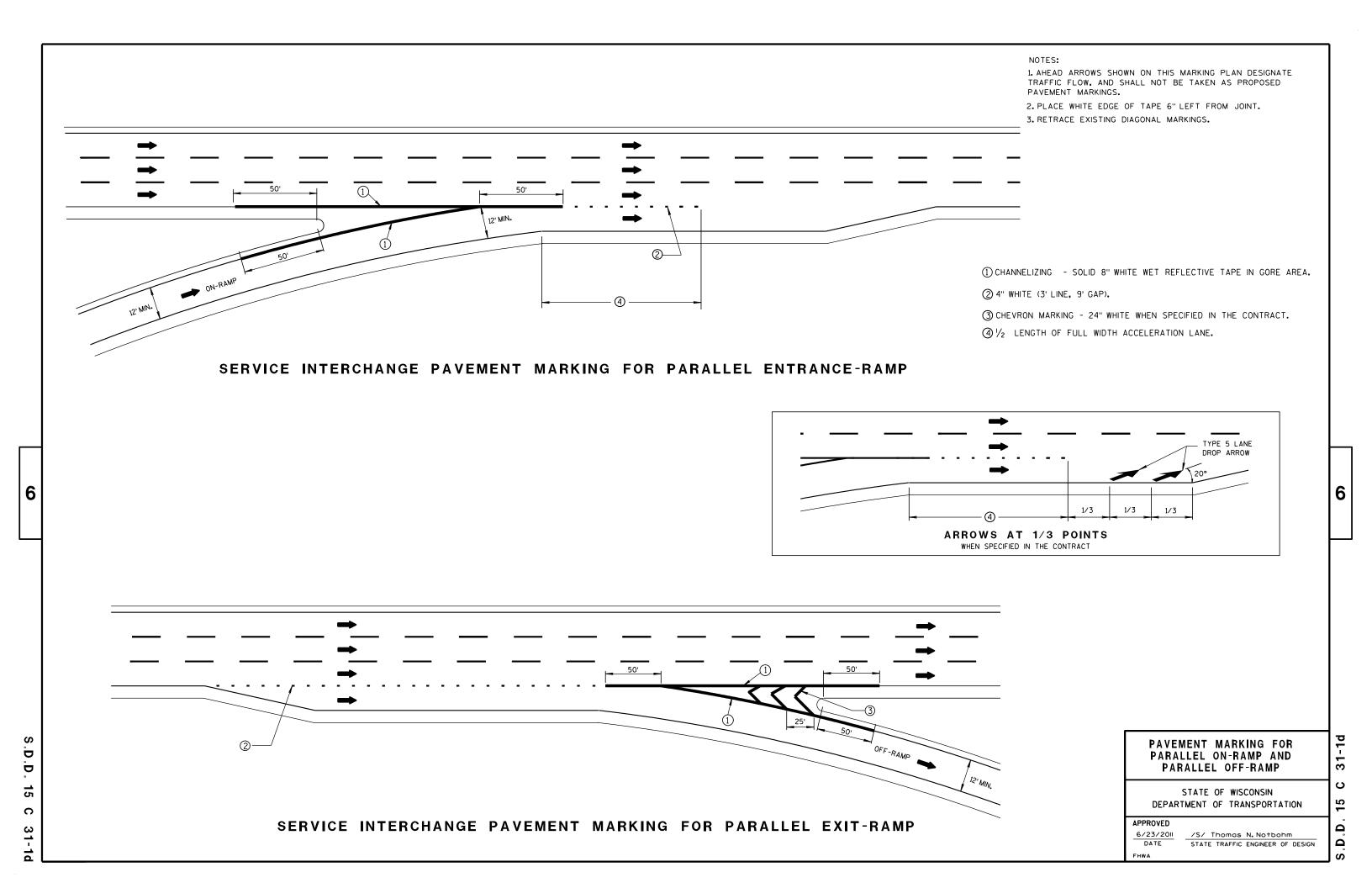


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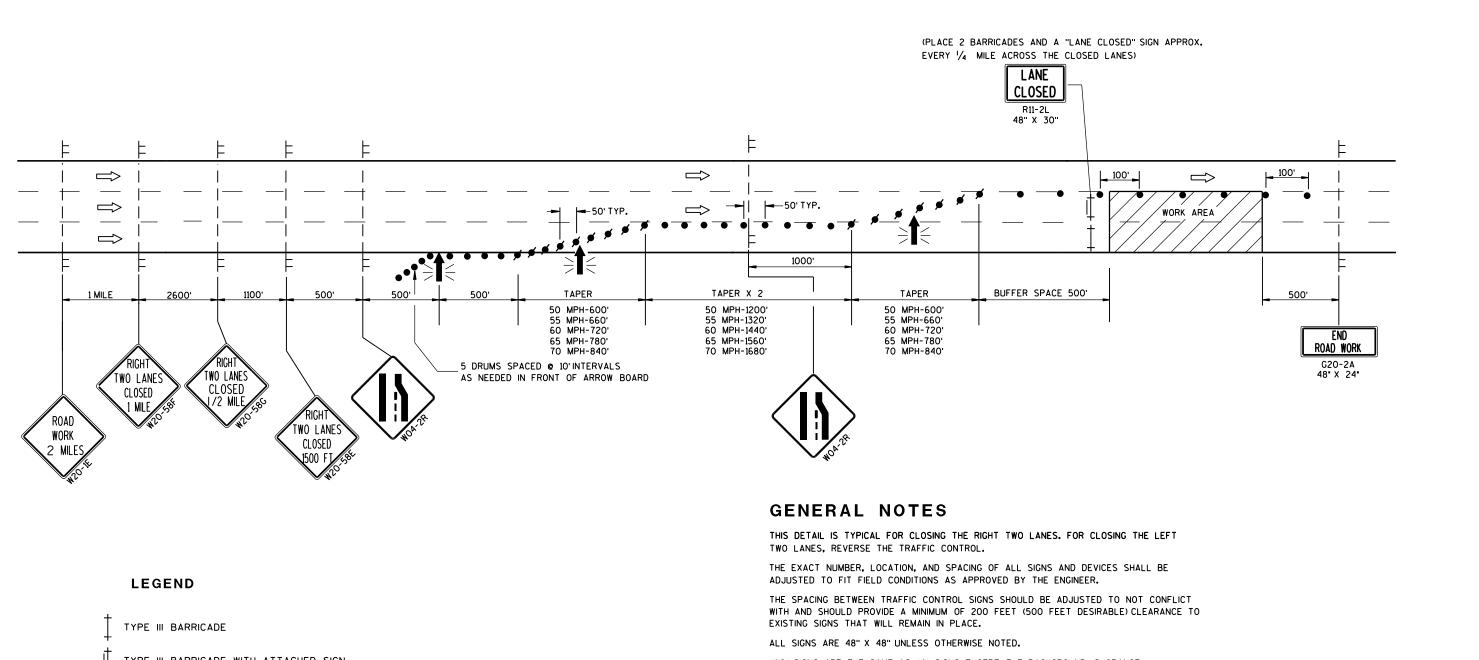
3.D.D. 15 C 31-1a

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING (RAMPS AND GORES)



GENERAL NOTES LEGEND THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. 4 OR MORE DAYS AND NIGHTS. TYPE III BARRICADE WITH ATTACHED SIGN THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIREABLE) DISTANCE TO EXISTING WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION. SIGN ON PERMENENT SUPPORT IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING DELINEATION. THE DEVICE SPACING MAY BE DECREASED TO 50 FEET. LEFT LANE. TRAFFIC CONTROL DRUM ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST FLASHING ARROW BOARD "WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE. 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 1/2 THE LENGTH OF THE TRANSITION AREA. ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" TYPE "A" WARNING LIGHT (FLASHING) 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 SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS. * X -X REMOVING PAVEMENT MARKING CROSSOVER MANEUVER. CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS * THE LEFT REVERSE CURVE SIGN (WO1-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL. DIRECTION OF TRAFFIC 1500 FEET IN FRONT OF DRUMS. 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. 6 6 WORK CLOSED CLOSED I MILE 1500 F XX м.Р.н 36"×36" IF NEEDED. USE ONLY TYPE III BARRICADE IF DESIGN SPEED IS TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE SPACED EVERY 1/4 MILE. 10 MPH BELOW 4-INCH EDGELINE (WHITE ON RIGHT, YELLOW ON LEFT) POSTED SPEED. 100' \Rightarrow \Rightarrow \Longrightarrow WORK AREA 50' L/2 500' MIN. - 800' DESIRABLE 575 L. TAPER 500 50 MPH - 600' 55 MPH - 660' 2600' 1600' 1000' 60 MPH - 720' TRAFFIC CONTROL, 9 65 MPH - 780' D 70 MPH - 840' LANE CLOSURE 5 DRUMS SPACED @ 10' INTERVALS AS 2 Ö NEEDED IN FRONT OF ARROW BOARD 15 Ω STATE OF WISCONSIN ADVANCED WARNING AREA TRANSITION AREA BUFFER SPACE DEPARTMENT OF TRANSPORTATION D **APPROVED** /S/ Peter Amakobe Atepe 2 March 2016 STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER Ω 6 FHWA



TYPE III BARRICADE WITH ATTACHED SIGN

SIGN ON TEMPORARY SUPPORT

TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT

TRAFFIC CONTROL DRUM

FLASHING ARROW BOARD

DIRECTION OF TRAFFIC

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

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.

W20-IE AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROWBOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

WHEN A RAMP OR SIDE ROAD INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

BARRICADES IN A CLOSED LANE 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.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

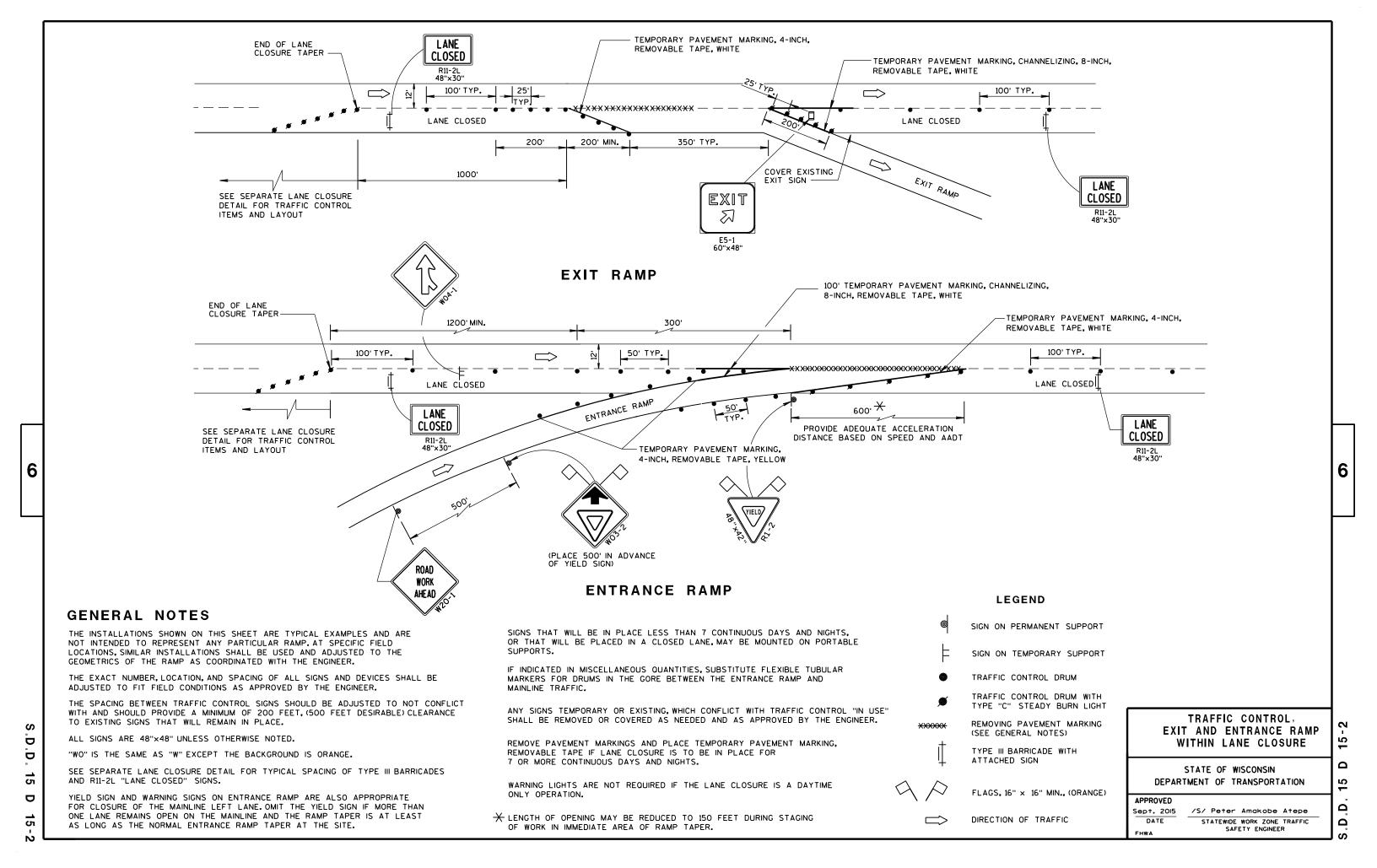
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

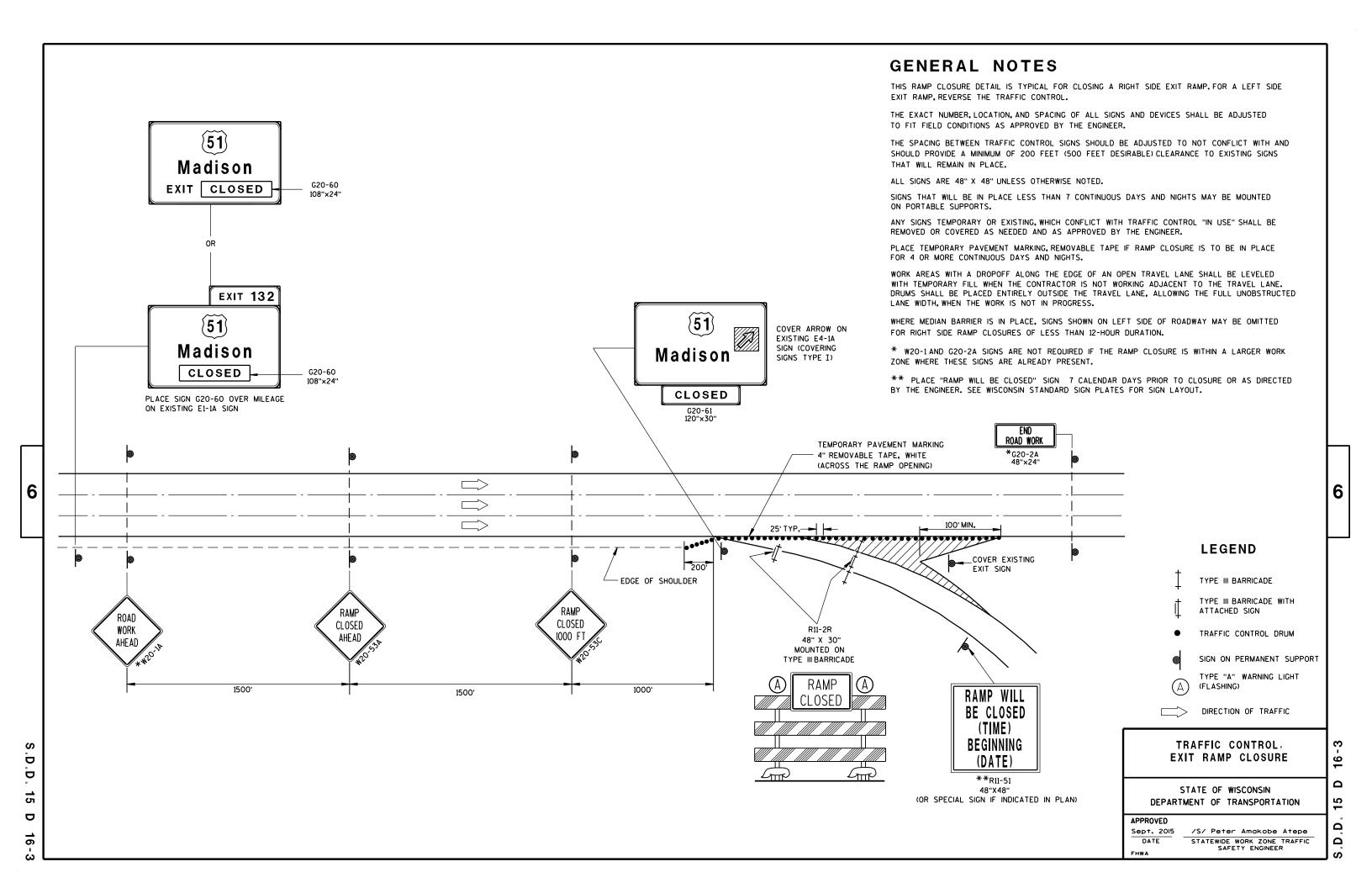
TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY, SHORT TERM (LESS THAN 24 HOURS)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

July 14, 2015 /S/ Peter Amakobe Atepe DATE STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

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Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

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