

DESIGN DESIGNATION		B-13-0052 B-13-0383	B-13-0404	B-13-0407 B-13-0408	
A.D.T.	(2013)	=	21,900	2300	24,200
A.D.T.	(2033)	=	31,900	4100	33,900
D.H.V.	(2033)	=	4180	540	4440
D.		=	62/38	62/38	62/38
T.		=	16.4%	16.4%	16.4%
DESIGN	SPEED	=	65 MPH	65 MPH	65 MPH
ESAL'S		=	N/A	N/A	N/A

111111111

CONVENTIONAL SYMBOLS COUNTY LINE

CORPORATE LIMITS
PROPERTY LINE
LOT LINE

LIMITED EASEMENT EXISTING RIGHT OF WAY

NEW RIGHT OF WAY
REFERENCE LINE
SLOPE INTERCEPT

ORIGINAL GROUND
MARSH OR ROCK PROFILE
CULVERT IN PLACE

CULVERT REQUIRED
CULVERT REQUIRED (Profile)

COMBUSTIBLE FLUIDS (UNDER PRESSURE)

UNDERGROUND UTILITIES
GAS

ELECTRIC TELEPHONE

SERVICE PEDESTAL
CABLE MARKER
POWER POLE
TELEPHONE POLE
RAILROADS

MARSH WOODED AREA

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

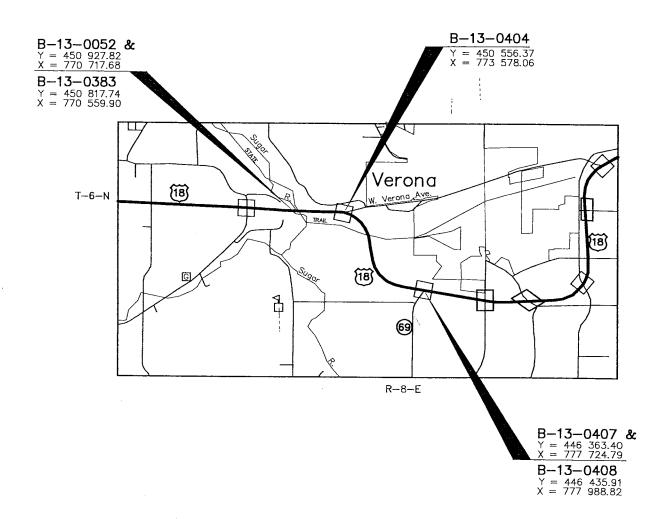
Mt. HOREB - MADISON

(STRUCTURES B-13-0052, 0383, 0404, 0407 & 0408)

USH 18

DANE COUNTY

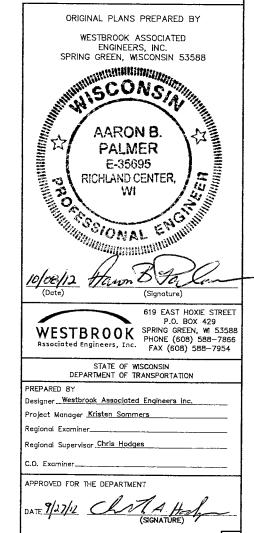
BATTLE OCCITI
STATE PROJECT NUMBER
1200-03-74
(0)



	SCALE	0	L	.5	1	Ml.			
OTAL	NET LE	NGTH	OF	CENTER	LINE	_	0.000	141	

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, DANE COUNTY.

STATE PROJECT	FEDERAL PROJECT			
STATE TAGGEST	PROJECT	CONTRACT		
1200-03-74	WISC 2013332	1		
·				



GENERAL NOTES

IT IS THE CONTRACTORS RESPONSIBILITY TO MEASURE THE ACTUAL BRIDGE DECKS TO DETERMINE MATERIAL QUANTITIES.

FOR TRAFFIC CONTROL FOR BRIDGES B-13-0052, B-13-0383, B-13-0407 AND B-13-0408, USE STANDARD DETAIL DRAWING "TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H." ADJUSTMENTS MAY BE NEEDED FOR THE EXIT RAMPS THAT PRÉCEED THE BRIDGES. USE STANDARD DETAIL DRAWING "TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE", IF NEEDED.

FOR B-13-0404 TRAFFIC CONTROL, SEE "TRAFFIC CONTROL - EXIT 78 OFF RAMP" SHEET.

PERTINENT PAVEMENT MARKINGS ARE TO BE REPLACED PER ITEM "PAVEMENT MARKING SAME DAY EPOXY 4-INCH.

A PORTABLE CHANGEABLE MESSAGE SIGN SHALL BE PLACED FOR ADVANCED WARNING AT EACH END OF THE PROJECT AT LEAST ONE WEEK PRIOR TO CONSTRUCTION AND THROUGHOUT THE DURATION OF CONSTRUCTION. THE PCMS'S ARE TO BE FIELD LOCATED BY THE WISDOT TRAFFIC

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA

LIAISON LISTING

WISDOT-SW REGION ATTN: KRISTEN SOMMERS kristen.sommers@dot.wi.gov 2101 WRIGHT STREET 123J MADISON, WI 53704 PHONE: (608) 242-8014

WESTBROOK ASSOCIATED ENGINEERS, INC. ATTN: MR. AARON B. PALMER apalmer@westbrookeng.com P.O. BOX 429 619 E. HOXIE ST. SPRING GREEN, WI 53588 PHONE: (608) 588-7866

DNR CONTACT

WISCONSIN DEPARTMENT OF NATURAL RESOURCES 3911 FISH HATCHERY ROAD FITCHBURG, WI 53711 ATTN: JULIE WIDHOLM julie.widholm@wisconsin.gov PHONE: (608) 275-3210

UTILITIES

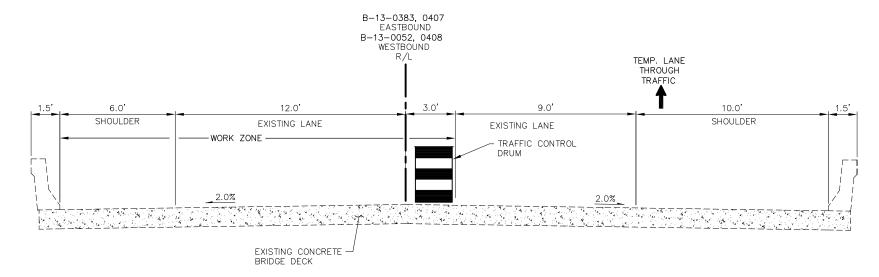
MADISON GAS & ELECTRIC ATTN: STEVE BEVERSDORF 133 S. BLAIR ST. P.O. BOX 5158 MADISON, WI 53701-1231 PHONE: (608) 252-7373 sbeversdorf@mge.com

ALLIANT ENERGY ATTN: JASON HOGAN 4902 N. BILTMORE LANE SUITE 1000 MADISON, WI 53718-2148 PHONE: (608) 458-4871 (OFFICE) PHONE: (608) 395-7395 (CELL) jasonhogan@alliantenergy.com



Toll Free (800) 242-8511 FAX-A-LOCATE (800) 338-3860 Hearing Impaired TDD (800) 542-2289 www.DiggersHotline.com

** DENOTES UTILTIES THAT ARE NOT DIGGERS HOTLINE MEMBERS



STAGE 1

FOR BRIDGES B-13-0383, B-13-0052, B-13-0407 AND B-13-0408 SEE "TRAFFIC CONTROL-EXIT 78 OFF RAMP" SHEET FOR BRIDGE B-13-0404 TYPICAL SECTION.

(BRIDGE SECTION, USH 18)

MIRROR IMAGE FOR STAGE 2

UTILIZE STANDARD DETAIL DRAWING "TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H.'

STANDARD ABBREVIATIONS

INLET

IN

RFO'D

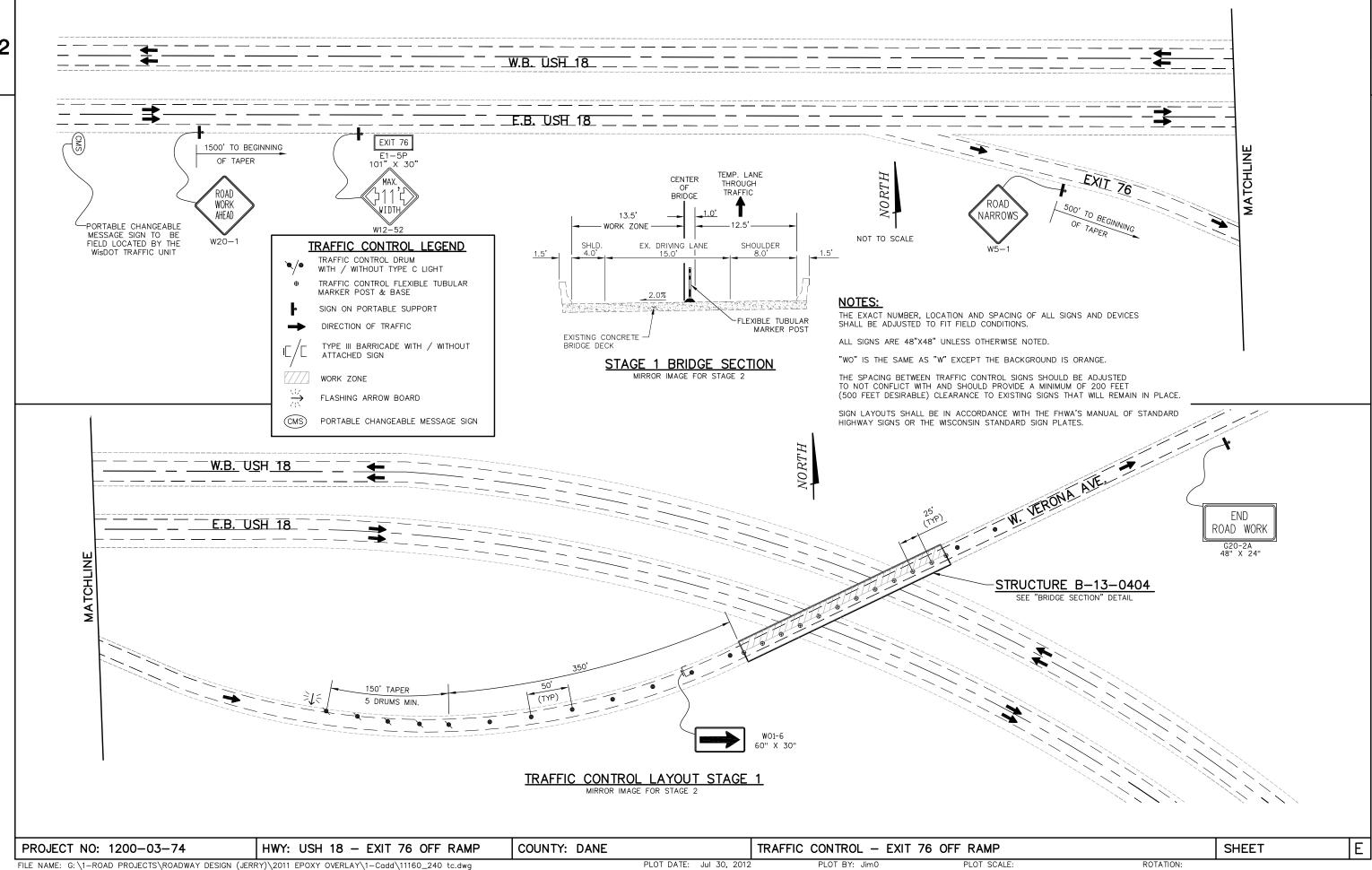
REQUIRED

A	UI	AVERAGE DAILT TRAFFIC	IIN	IINLL I	KEQ D.	KEQUIKED
В.	A.D.	BASE AGGREGATE DENSE	K	SIGHT DISTANCE	RT.	RIGHT
В	.М.	BENCH MARK	L.	LENGTH OF CURVE	R/L	REFERENCE LINE
В	.O.P.	BEGIN PROJECT	L.F.	LINEAR FEET	R/W	RIGHT-OF-WAY
Ģ	OR C/L	CENTERLINE	L.H.F.	LEFT HAND FORWARD	RD.	ROAD
C	MCP	CORRUGATED METAL	L.S.	LUMP SUM	RDWY.	ROADWAY
		CULVERT PIPE	LT.	LEFT	S.	SOUTH
С	Р	CULVERT PIPE	MAX.	MAXIMUM	SE	SOUTHEAST
Ċ	.P.R.C.H.E.	CULVERT PIPE REINFORCED	MH	MANHOLE	SHLD.	SHOULDER
		CONCRETE HORIZONTZL ELLIPTICAL	MIN.	MINIMUM	SHRK.	SHRINKAGE
_	.т.н.	COUNTY TRUNK HIGHWAY	N.	NORTH	S.R.	SIDE ROAD
	WT.	HUNDRED WEIGHT	NOR.	NORMAL	STD.	STANDARD
	.Y.	CUBIC YARD	PAV'T.	PAVEMENT	S.T.H.	STATE TRUNK HIGHWAY
	. н. .н.	DOUBLE HEADED	P.C.	POINT OF CURVE	STA.	STATION
	.H.V.	DESIGN HOURLY VOLUME	P.I.	POINT OF INTERSECTION	S.Y.	SQUARE YARD
	IR.	DIRECTED	P.E.	PRIVATE ENTRANCE	T	TANGENT LENGTH OF CURVE
E.		EAST	P.K.	PARKER-KALON NAIL	V	DESIGN SPEED
	OR.	CORNER	P OR PL	PROPERTY LINE	V.C.	VERTICAL CURVE
	L. OR ELEV.	ELEVATION	P.P.	POWER POLE	VAR.	VARIABLE
	.O.P.	END PROJECT	PROJ.	PROJECT	V.P.I.	VERTICAL POINT OF INTERSECTION
	E.	FIELD ENTRANCE	P.T.	POINT OF TANGENCY	V.P.C.	VERTICAL POINT OF CURVATURE
	Т.	FOOT (FEET)	PVMT.	PAVEMENT	V.P.T.	VERTICAL POINT OF TANGENCY
	AL.	GALLON	R.	RADIUS	W.	WEST
	.W.	HIGH WATER	R.R.	RAILROAD		
11	. **.	HIGH WAILK	REINF.	REINFORCED		

STATE PROJECT NUMBER: 1200-03-74 HWY: USH 18 DANE SHEET NO: GENERAL NOTES, LIAISON LIST, TYPICAL SECTION, STANDARD ABBREVIATIONS,

AVERAGE DAILY TRAFFIC

ADT



DATE 03 LINE	MAY13	EST	IMATE	OF QUAN	T I T I E S 1200-03-74
NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	QUANTI TY
0010	213. 0100	FINISHING ROADWAY (PROJECT) 01.	EACH	1.000	1. 000
		1200-03-74			
0020	509. 0301	PREPARATION DECKS TYPE 1	SY	30.000	30.000
0030	509. 2500	CONCRETE MASONRY OVERLAY DECKS	CY	2.000	2.000
0040	509. 5100. S	POLYMER OVERLAY	SY	3, 760. 000	3, 760. 000
0050	619. 1000	MOBI LI ZATI ON	EACH	1. 000	1. 000
0060	643. 0100	TRAFFIC CONTROL (PROJECT) 01. 1200-03-74	EACH	1. 000	1. 000
0070	643. 0300	TRAFFIC CONTROL DRUMS	DAY	348. 000	348. 000
0080	643. 0420	TRAFFIC CONTROL BARRICADES TYPE III	DAY	10. 000	10. 000
0090	643. 0500	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER	EACH	24. 000	24. 000
0070	0.0.000	POSTS	271011	2 000	2000
0100	643.0600	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER	EACH	24.000	24.000
		BASES			
0110	643. 0705	TRAFFIC CONTROL WARNING LIGHTS TYPE A	DAY	20. 000	20. 000
0120	643. 0715	TRAFFIC CONTROL WARNING LIGHTS TYPE C	DAY	130. 000	130. 000
0130	643. 0800	TRAFFIC CONTROL ARROW BOARDS	DAY	10. 000	10. 000
0140	643. 0900	TRAFFIC CONTROL SIGNS	DAY	76. 000	76. 000
0150	643. 1050	TRAFFIC CONTROL SIGNS PCMS	DAY	46, 000	46. 000
0160	646. 0406	PAVEMENT MARKING SAME DAY EPOXY 4-INCH	LF	2, 160. 000	2, 160. 000

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

PREPERATION DECKS TYPE 1

CATAGORY NO.	LOCATION	509.0301 (SY)
0020	UNDISTRIBUTED	30
	TOTAL	30

CONCRETE MASONRY OVERLAY DECKS

CATAGORY NO.	LOCATION	509.2500 (CY)
0020	UNDISTRIBUTED	2
	TOTAL	2

TRAFFIC CONTROL

LOCATION	STAGE	643.0300 TRAFFIC CONTROL DRUMS (DAYS)	643.0420 TRAFFIC CONTROL BARRICADES TYPE III (DAYS)	643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS (EACH)	643.0600 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES (EACH)	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A (DAYS)	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C (DAYS)	643.0800 TRAFFIC CONTROL ARROW BOARDS (DAYS)	643.0900 TRAFFIC CONTROL SIGNS (DAYS)	643.1050 TRAFFIC CONTROL SIGNS PCMS (DAYS)
B-13-0052	1	40	1	0	0	2	15	1	8	0
B-13-0383	1	40	1	0	0	2	15	.1	8	0
B-13-0404	1	14	1	12	12	2	5	1	6	0
B-13-0407	1	40	1	0	0	2	15	1	8	0
B-13-0408	1	40	1	0	0	2	15	1	8	0
ADVANCED WARNING	1	0	0	0	0	0	0	0	0	23
STAGE 1 TOTALS		174	5	12	12	10	65	5	38	23
B-13-0052	2	40	1	0	0	2	15	1	8	0
B-13-0383	2	40	1	0	0	2	15	1	8	0
B-13-0404	2	14	1	12	12	2	5	1	6	0 0 0
B-13-0407	2	40	1	0	0	2	15	3.	8	0
B-13-0408	2	40	1	0	0	2	15	1	8	0
ADVANCED WARNING	1	0	0	0	0	0	0	0	0	23
STAGE 2 TOTALS		174	5	12	12	10	.65	5	38	23
PROJ	ECT TOTALS	348	10	24	24	20	130	10	76	46 *

^{*} THE PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE IN PLACE AT EACH END OF THE PROJECT AT LEAST ONE WEEK PRIOR TO CONSTRUCTION AND THROUGHOUT THE DURATION OF CONSTRUCTION.

PAVEMENT MARKING

		SAME	646.0406 DAY EPOXY	4-INCH
CATAGORY NO.	LOCATION	EDGELINE YELLOW (LF)	LANE LINE WHITE (LF)	EDGELINE WHITE (LF)
0020	B-13-0052	164	73	164
	0020	TOTAL	379	
0030	B-13-0383	153	73	153
	0030	TOTAL	379	
0040	B-13-0404	260	0	260
	0040	TOTAL	520	
0050	B-13-0407	191	59	191
	0050	TOTAL	441	
0060	B-13-0408	191	59	191
	0060	TOTAL	441	
	PROJEC	T TOTAL	2160	

POLYMER OVERLAY

CATAGORY NO.	STAGE	LOCATION	509.5100.S POLYMER OVERLAY (SY)
0020	1	B-13-0052	353
0030	1	B-13-0383	326
0040	1	B-13-0404	379
0050	1	B-13-0407	411
0060	1	B-13-0408	411
		STAGE 1 TOTAL	1880
0020	2	B-13-0052	352
0030	2	B-13-0383	326
0040	2	B-13-0404	380
0050	2	B-13-0407	411
0060	2	B-13-0408	411
		STAGE 2 TOTAL	1880
		PROJECT TOTAL	3760

PROJECT NO: 1200-03-74 HWY: USH 18 COUNTY: DANE MISCELLANEOUS QUANTITIES SHEET E

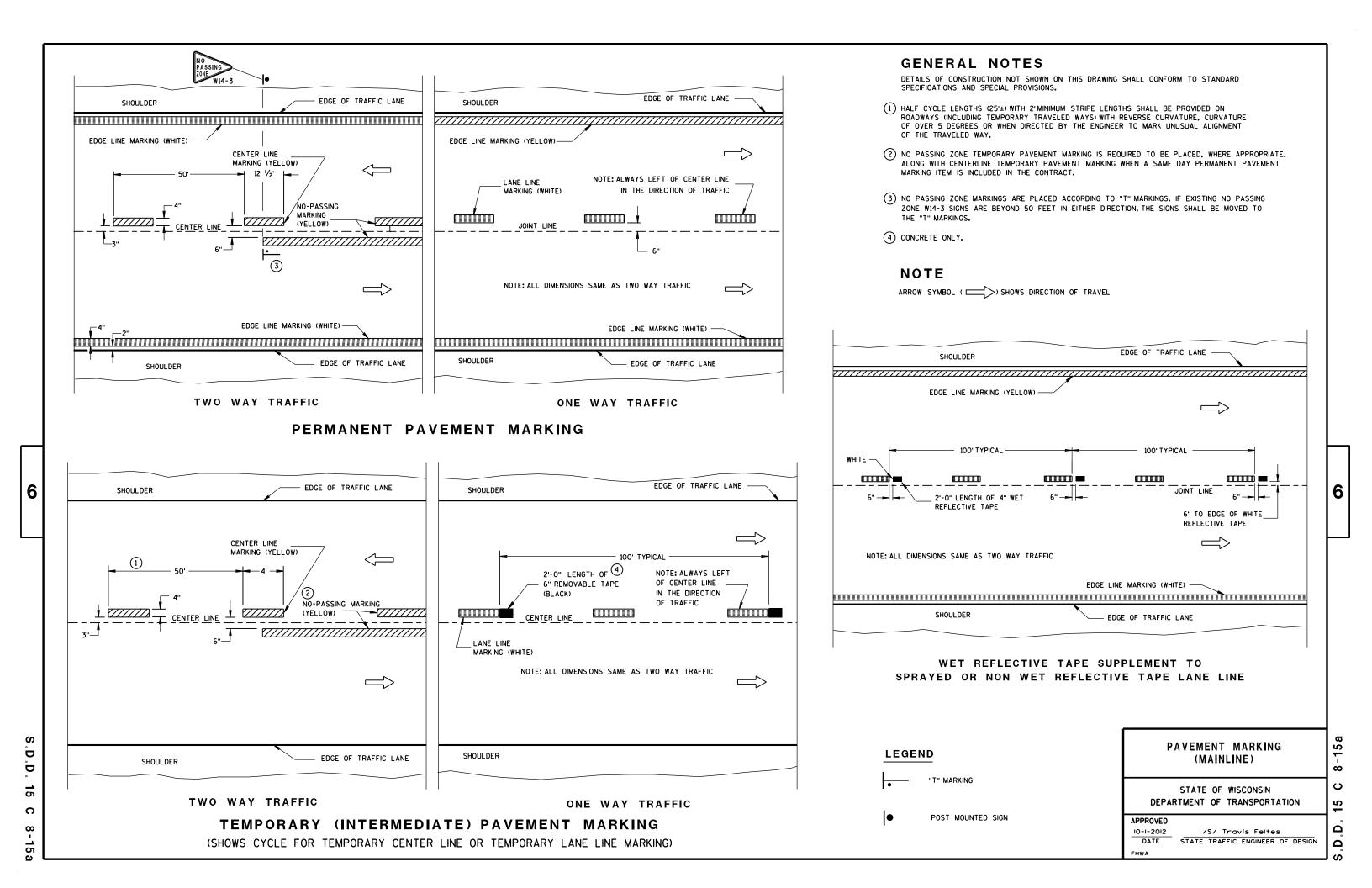
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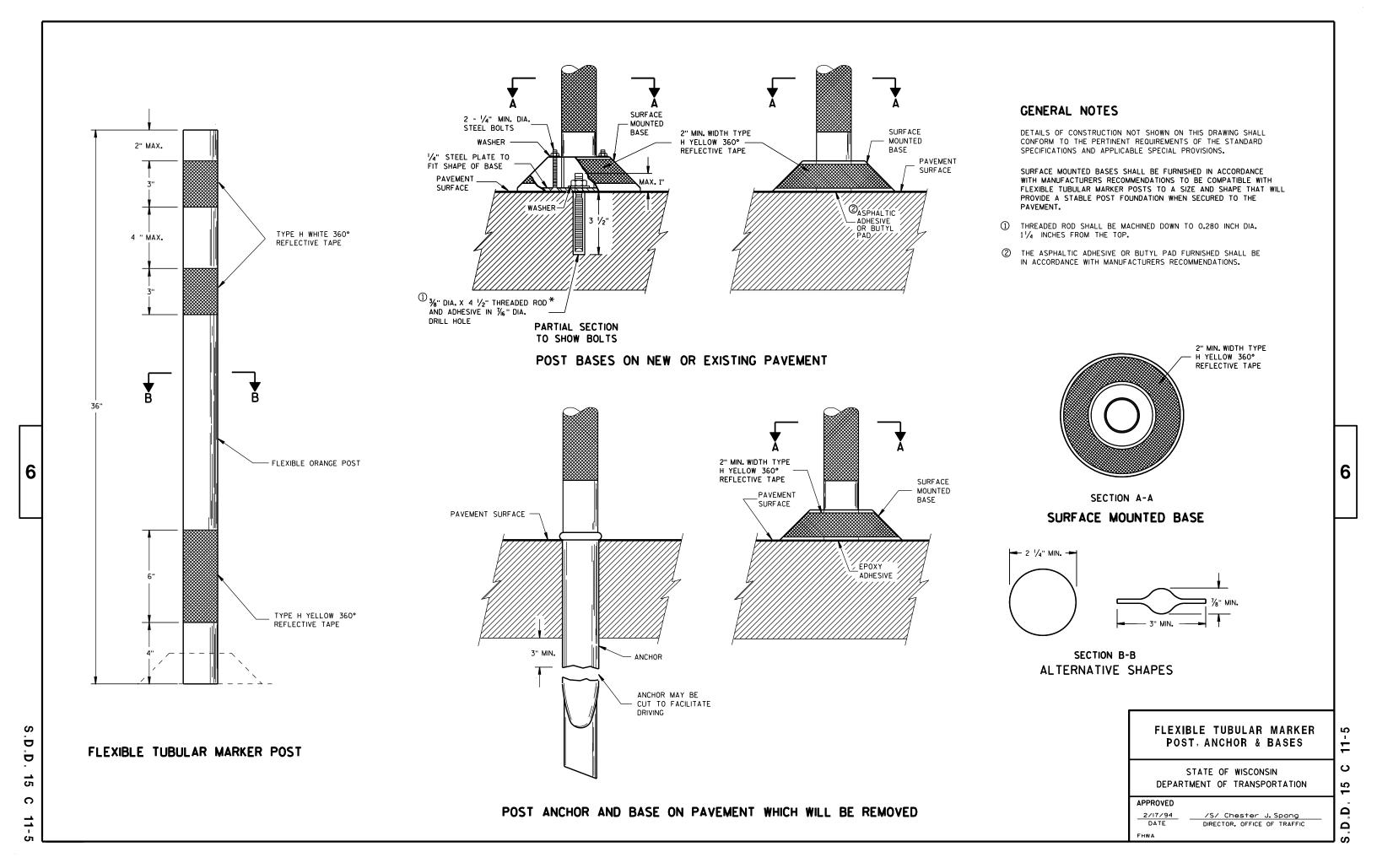
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Standard Detail Drawing List

5C08-15A	PAVEMENI	MARKING	(MAINLINE)		
5C11-05	FLEXI BLE	TUBULAR	MARKER POST,	ANCHOR & BASES	

15D12-02	TRAFFIC CONTROL,	LANE CLOSURE,	SPEEDS GREATER THAN 40 M.P.H.
15D15-01	TRAFFIC CONTROL,	EXIT AND ENTR	ANCE RAMP WITHIN LANE CLOSURE





LEGEND

- POST WITH ATTACHED SIGN
- POST WITH ATTACHED SIGN
- ✓ DRUM WITH WARNING LIGHT (TYPE C)
- DRUM
- → ARROW BOARD
- √ 8' TYPE III BARRICADE
- *- x-* REMOVING PAVEMENT MARKING
- □⇒ DIRECTION OF TRAFFIC

GENERAL NOTES:

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 DESIREABLE) DISTANCE TO EXISTING SIGNS.

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

ALL SIGNS ARE 48"x48" 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 AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

(1) CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 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.

GENERAL NOTES CONTINUED:

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 7 CONTINUOUS DAYS AND NIGHTS.

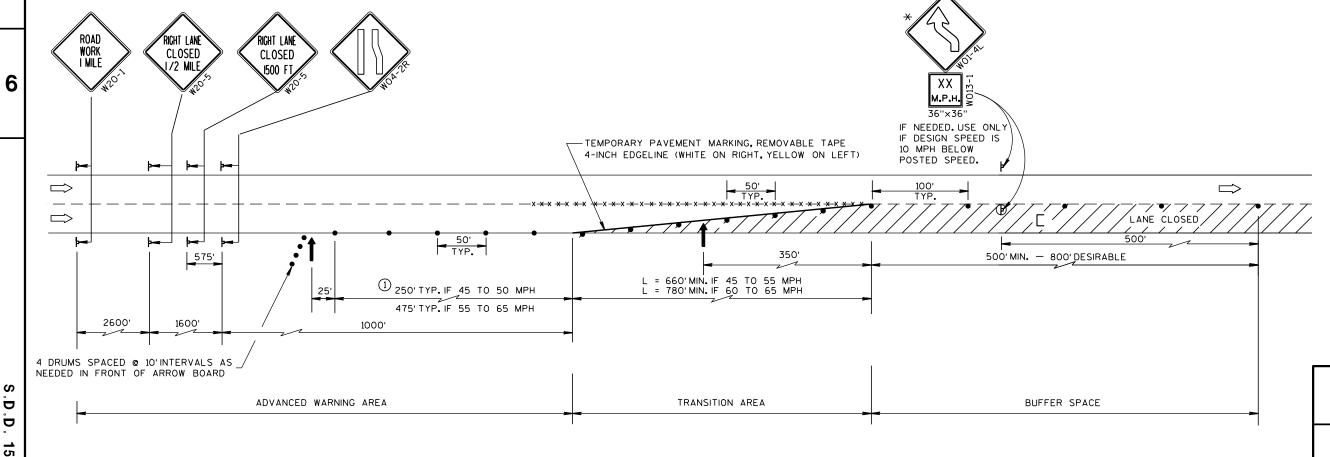
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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

IF LANE CLOSURE IS MORE THAN 1 MILE, PLACE A TYPE III BARRICADE APPROXIMATELY EVERY 1/4 MILE ACROSS THE CLOSED LANE TO HELP ENFORCE THE DRUM LINE.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST 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. 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.

* THE LEFT REVERSE CURVE SIGN (WO1-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL.



TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED 8-7-95

DATE

/S/ Chester J. Spang
DIRECTOR, OFFICE OF TRAFFIC

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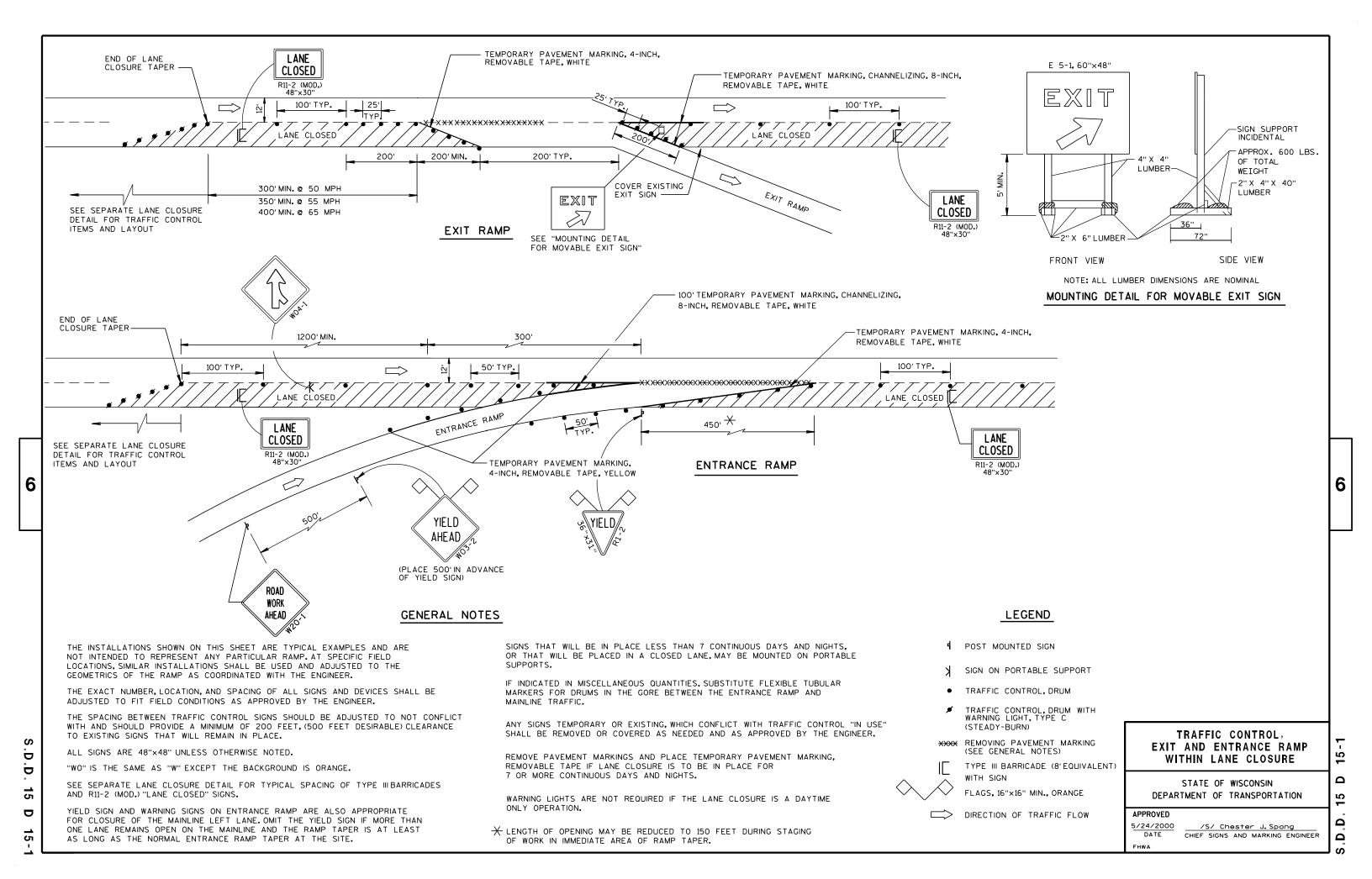
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Notes



Wisconsin Department of Transportation

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