## DECEMBER 2016

#### ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Detail
Section No.	3	Estimate of Quantitles
Section No.	3	Miscellaneous Quantities
Section No.	-4	<del>- Right of Way Plat</del>
Section No.	5	Plan and Profile
Condian No	c	Standard Datail Drawings

Standard Detail Drawings Section No. 6

Structure Plans Section No. 8

Computer Earthwork Data Section No. 9 Cross Sections

TOTAL SHEETS = 64

#### DESIGN DESIGNATION

A.A.D.T.	2017	=	15900
A.A.D.T.	2037	=	20600
D.H.V.		=	8.7
D.D.		=	57/43
T.		=	13.6%
DESIGN SPI	EED	=	70 MPH
ESALS		=	

#### CONVENTIONAL SYMBOLS

CORPORATE LIMITS	<u> </u>
PROPERTY LINE	
LOT LINE LIMITED HIGHWAY EASEMENT EXISTING RIGHT OF WAY PROPOSED OR NEW R/W LINE	<u> </u>
SLOPE INTERCEPT	-
REFERENCE LINE	-
EXISTING CULVERT PROPOSED CULVERT (Box or Pipe) COMBUSTIBLE FLUIDS	-caution-
	M

MARSH AREA

WOODED OR SHRUB AREA

PROFILE GRADE LINE MARSH OR ROCK PROFILE (To be noted as such) SPECIAL DITCH GRADE ELEVATION CULVERT (Profile View) UTILITIES ELECTRIC FIBER OPTIC

SANITARY SEWER STORM SEWER TELEPHONE WATER UTILITY PEDESTAL POWER POLE TELEPHONE POLE

# STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

# **PLAINFIELD - STEVENS POINT**

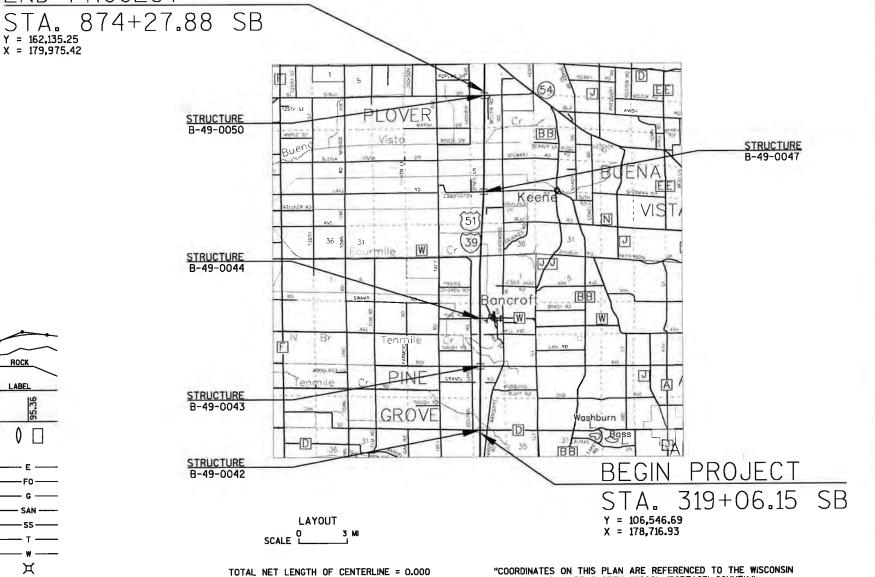
B-49-42,43,44,47,50

# **IH 39 PORTAGE COUNTY**

STATE PROJECT NUMBER 1166-00-62

END PROJECT

Y = 162.135.25X = 179,975.42



© MSA Professional Services, Inc. DAVID J.
KATZNER
E-37043
MARSHFIELD
WI

DEVELOPMENT - ENVIRONMENT 1230 South Boulevard Baraboo, WI 53913 608-356-2771 1-800-362-4505 Fax: 608-356-2770 Web Address: www.msa-ps.com

# STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

FEDERAL PROJECT

PROJECT

WISC 2016490

CONTRACT

1

STATE PROJECT

1166-00-62

PREPARED BY

MSA Professional Services, Inc. MSA Professional Services, inc.

SIMON, CHERYL KRETSCHMER, MICHAEL

PLOT DATE : 3/15/2016 9:09 AM

PLOT BY : BRAD LEE

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO USGS NAVD. 88.

COUNTY COORDINATE SYSTEM (WCCS), 'PORTAGE' COUNTY."

#### **UTILITIES**

**COMMUNICATION:** ATTN: RICK PODOLAK 304 S DEWEY ST 4TH FLOOR EAU CLAIRE, WI 54701 715-839-5565 RICK.T.PODOLAK@ATT.COM

#### DNR LIAISON

WISCONSIN DEPARTMENT OF NATURAL RESOURCES ATTN: MARC HERSHFIELD 473 GRIFFITH DRIVE WISCONSIN RAPIDS, WI 54494 715-421-7867 MARC.HERSHFIELD@WISCONSIN.GOV COMMUNICATION: UNION TELEPHONE COMPANY ATTN: RONALD BOWDEN P.O. BOX 96 PLAINFIELD, WI 54966-0096 715-335-6301 RBOWDEN@UNIONTEL.NET

ELECTRIC: WISCONSIN PUBLIC SERVICE CORP. ATTN: DON LUTZOW P.O. BOX 1166 WAUSAU, WI 54402 715-848-7487 DALUTZOW@WISCONSINPUBLICSERVICE.COM GAS/PETROLEUM: KOCH PIPELINE COMPANY L.P. ATTN: SEAN MANTEL 2267 COUNTY RD HH JUNCTION CITY, WI 54443 715-457-6404 SEAN.MANTEI@KOCHPIPELINE.COM

GAS/PETROLEUM: WISCONSIN PUBLIC SERVICE CORP. ATTN: MATT CURTIN 2001 PLOVER RD PLOVER, WI 54467 715-345-7582 MJCURTIN@WISCONSINPUBLICSERVICE.COM



## RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	А			В			С			D		
	SLOPE	RANGE	(PERCENT)	SL0PE	RANGE	(PERCENT)	SLOPE	RANGE	(PERCENT)	SLOPE	RANGE	(PERCENT
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 & OVER
ROW CROPS	.08	.16	.22	.12	.20	.27	.15	.24	.33	.19	.28	.38
	.22	.30	.38	.26	.34	.44	.30	.37	.50	.34	.41	.56
MEDIAN STRIP-	.19	.20	.24	.19	.22	.26	.20	.23	.30	.20	.25	.30
TURF	.24	.26	.30	.25	.28	.33	.26	.30	.37	.27	.32	-40
SIDE SLOPE-			.25			.27			.28			.30
TURF			.32			.34			.36			.38
PAVEMENT:						l .				•		•
ASPHALT						.7095						
CONCRETE						.8095						
BRICK						.7080						
DRIVES, WALKS						.7585						
ROOFS				·		.7595						
GRAVEL ROADS,	SHOULDE	ERS		<u> </u>		.4060						

HWY: IH 39

TOTAL PROJECT AREA = 4.04 ACRES TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 4.04 ACRES SECTION 2 ORDER

GENERAL NOTES PROJECT OVERVIEW TYPICAL SECTIONS TRAFFIC CONTROL

AS-BUILT REFERENCE (YEAR)\*

PROJECT: 1160-01-74 (2000) PROJECT: 1166-04-76 (2007)

\*APPROVAL YEAR (NOT CONSTRUCTION)

#### **GENERAL NOTES**

PLAN: GENERAL NOTES, ABBREVIATIONS & UTILITIES

PURSUANT TO CHAPTER 59 OF THE WISCONSIN STATUTES. THE CONTRACTOR SHALL CAREFULLY MAKE A SEARCH FOR EVIDENCE OF A LANDMARK IN ALL AREAS WHERE SUCH A LANDMARK MAY EXIST.

CURVE DATA SHOWN ON PLANS IS BASED ON AS-BUILTS.

STATIONING FOR THE SHOULDER MILLING/PAVING IS BASED ON IH 39 BELOW THE STRUCTURES. SEE THE STRUCTURE PLANS FOR STATIONING REFERENCE POINTS.

BENCHMARKS WERE LOCATED IN THE FIELD USING GPS TECHNOLOGY.

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

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE NOT SHOWN ON THE PLANS.

PAVING OPERATION SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING LANE.

THE 4" HMA PAVEMENT 4 LT 58-28 S SHALL CONSIST OF A  $1\frac{3}{4}$ " UPPER LAYER AND A  $2\frac{1}{4}$ " LOWER LAYER. USE 12.5 MM NOMINAL AGGREGATE.

SHEET

E

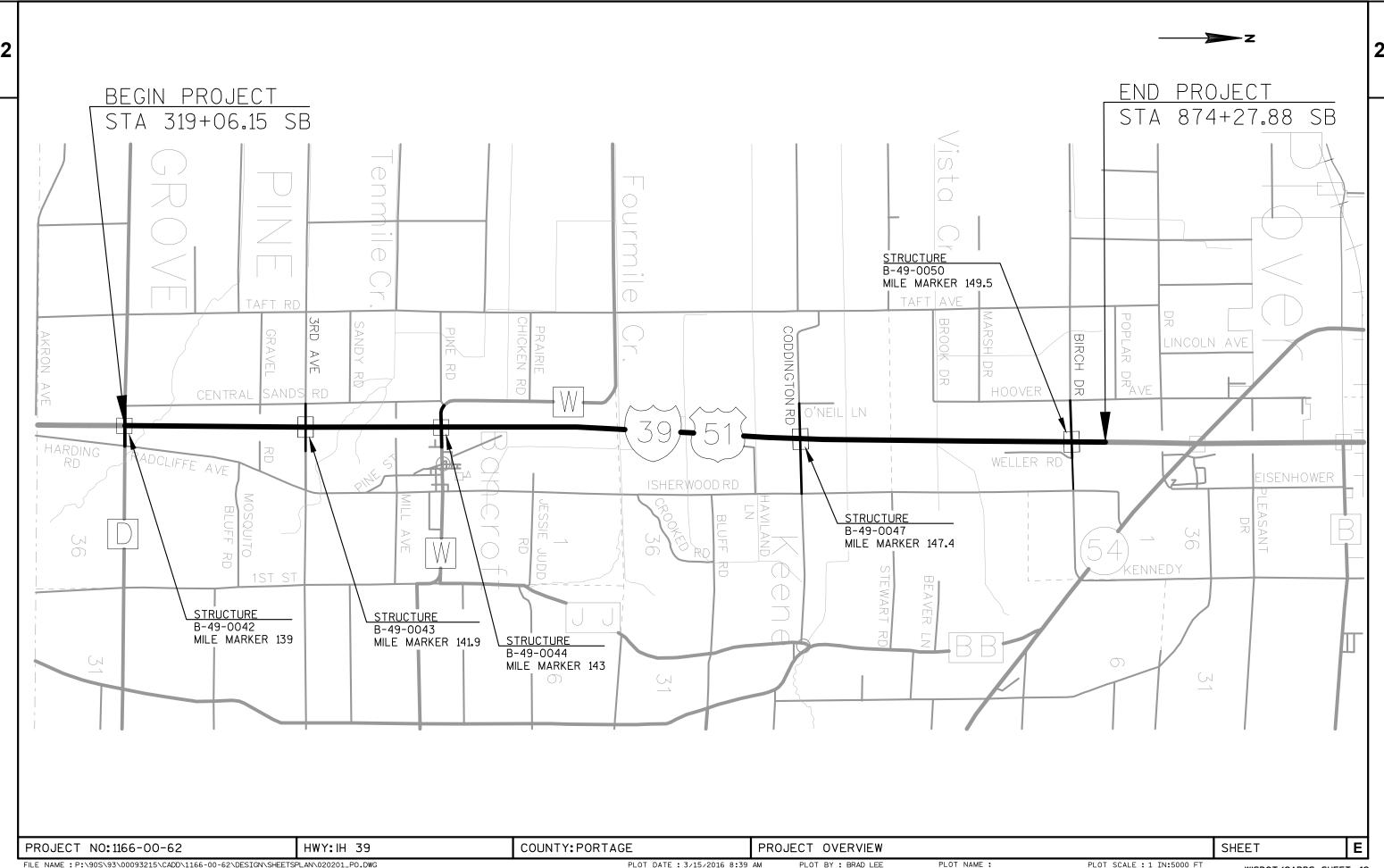
PROJECT NO: 1166-00-62

PLOT DATE: 4/26/2016 6:14 AM

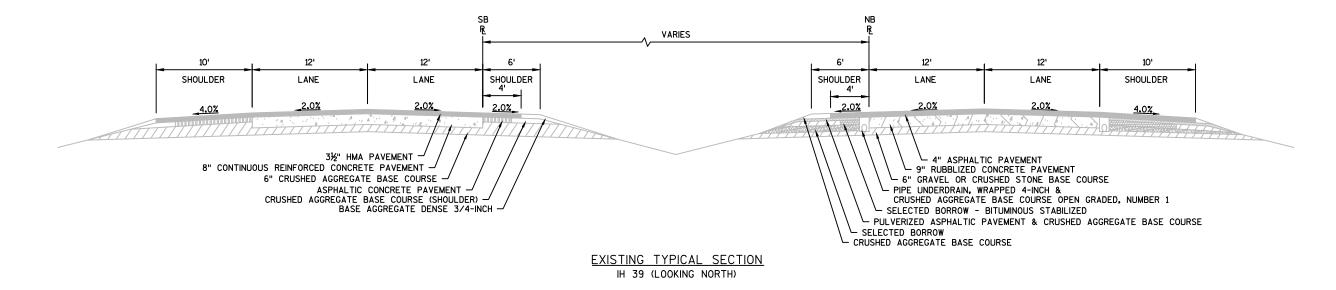
COUNTY: PORTAGE

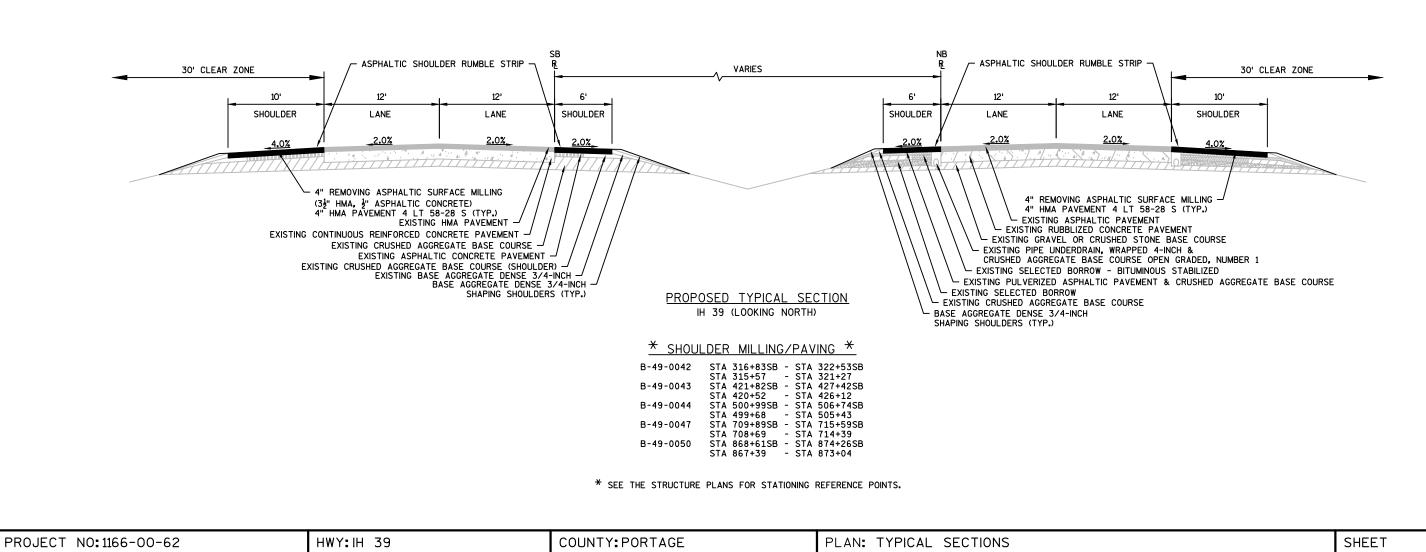
PLOT BY : BRAD LEE

PLOT NAME : PLOT SCALE: 0.100015









PLOT BY : BRAD LEE

E

GENERAL NOTES FOR CHANGEABLE MESSAGE BOARDS

PCMS=PORTABLE CHANGEABLE MESSAGE SIGN

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING MESSAGE SIGNS. PLACE THE SIGNS SO THE DRIVER HAS A CLEAR VIEW OF THE MESSAGE FOR A MINIMUM OF 1,000 FEET.

MESSAGE SIGNS SHOULD BE PLACED AS FAR AWAY FROM LIVE TRAFFIC LANES AS POSSIBLE WITHOUT HAMPERING VISIBILITY. IN ADVANCE OF INTERSTATE CONSTRUCTION PROJECTS, THE SIGNS SHOULD BE PLACED ON THE BACKSLOPE BEYOND THE DITCH. THE LOCATION SELECTED SHOULD BE AT OR SLIGHTLY ABOVE THE ELEVATION OF THE ROADWAY.

FOR INTERMITTENT WORK SUCH AS FREEWAY LANE CLOSURE, OR WHERE SITE CONDITIONS DO NOT ALLOW OTHERWISE, THE SIGNS MAY BE PLACED ON THE SHOULDER. THE SITE SHOULD BE VISITED TO ASSURE VISIBILITY, SAFETY AND MAINTENANCE CONSIDERATIONS. A TAPER OR REFLECTORIZED DRUMS OR BARRICADES SHOULD BE PLACED AHEAD OF A PCMS THAT IS PLACED ON THE SHOULDER IF IT IS NOT SHIELDED BY A BARRIER. SITE 1 MESSAGE SIGN IS TO BE IN PLACE AND DISPLAYING THE "PRIOR TO CONSTRUCTION" MESSAGES FOR SEVEN DAYS PRIOR TO THE EXPECTED START OF WORK ON IH 39 NB.

SITE 2 MESSAGE SIGN IS TO BE IN PLACE AND DISPLAYING THE "PRIOR TO CONSTRUCTION" MESSAGES FOR SEVEN DAYS PRIOR TO THE EXPECTED START OF WORK ON IH 39 SB.

MAINTENANCE CROSSOVER LOCATIONS (MILE MARKER)

140.5

142.8

144**.**0 146**.**6

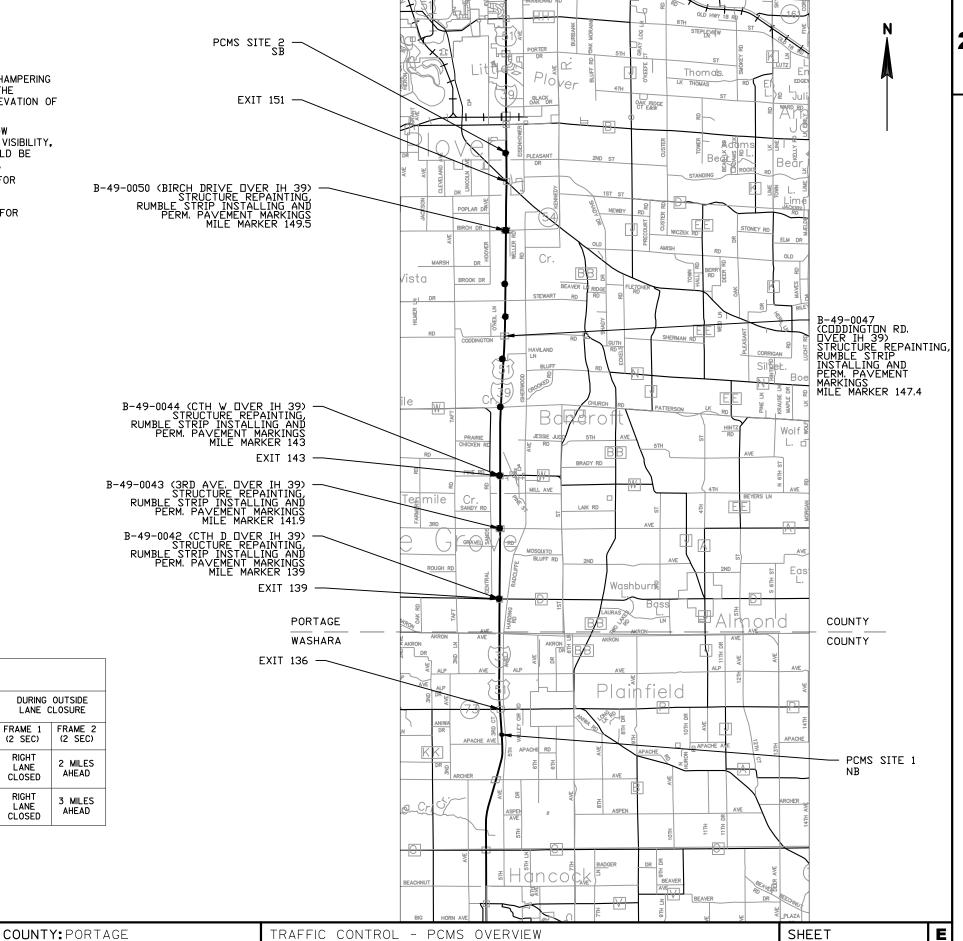
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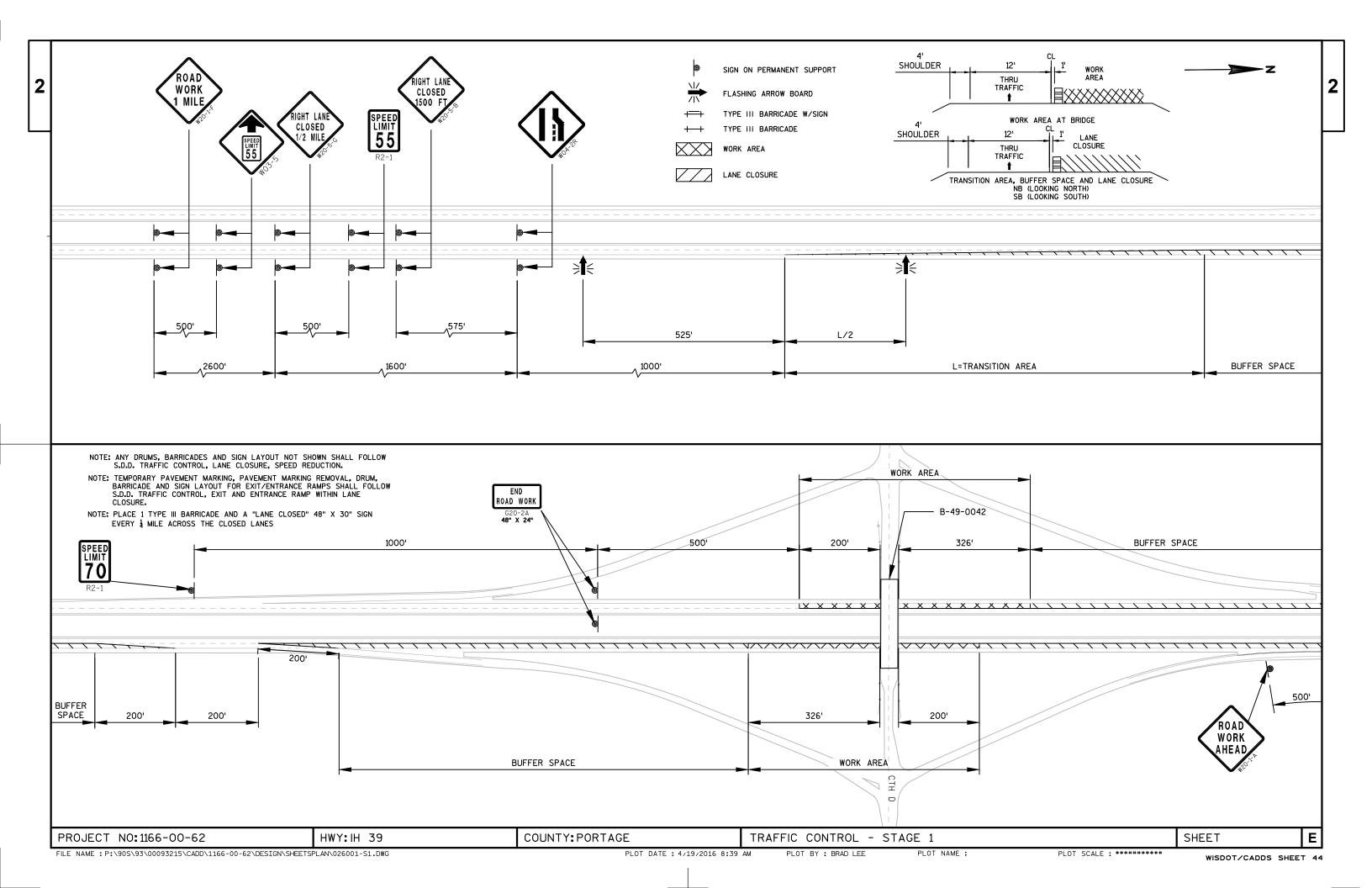
149.6

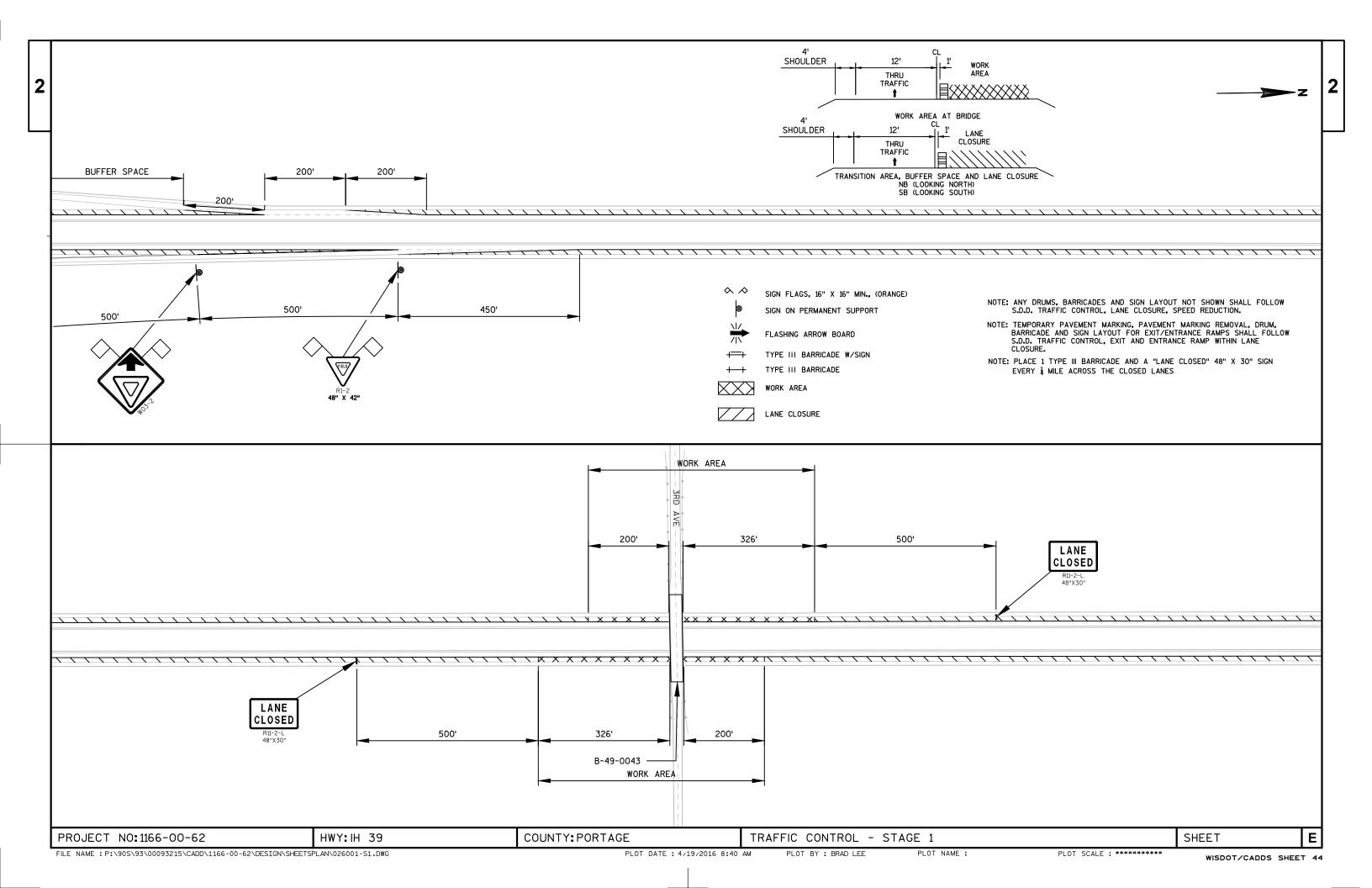
PROJECT NO: 1166-00-62

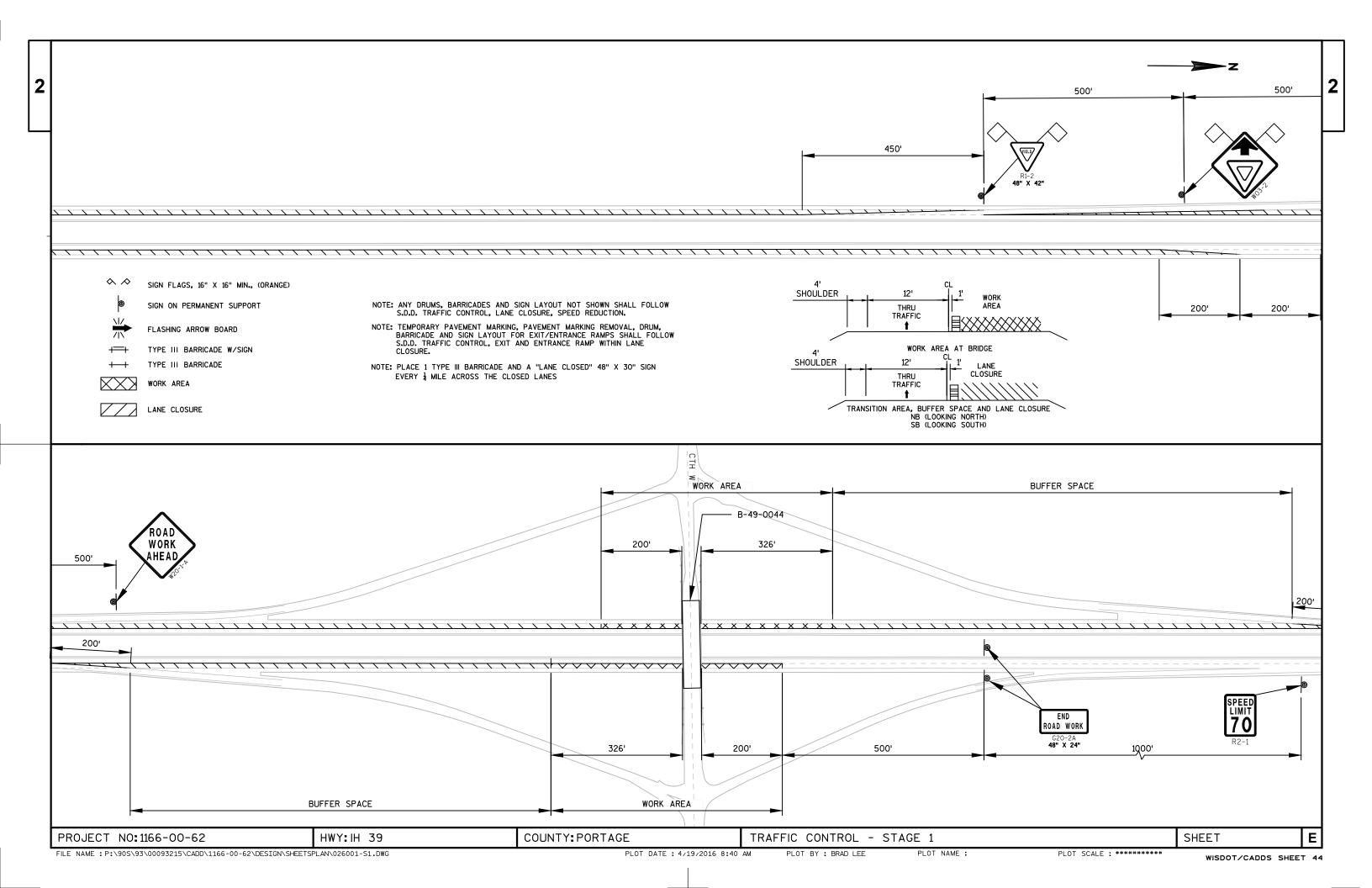
MESSAGE OVERVIEW											
PCMS SITE		MILE	7 DAYS PRIOR TO CONSTRUCTION		DURING SHOULDER CLOSURE		DURING INSIDE LANE CLOSURE		DURING OUTSIDE LANE CLOSURE		
SIGN OWNER	NO. (DIR.)		MARKER	FRAME 1 (2 SEC)	FRAME 2 (2 SEC)	FRAME 1 (2 SEC)	FRAME 2 (2 SEC)	FRAME 1 (2 SEC)	FRAME 2 (2 SEC)	FRAME 1 (2 SEC)	FRAME 2 (2 SEC)
CONTRACTOR	2 (SB)	152.5	SINGLE LANE TRAFFIC	BEGINS MON. XX	SHLDRS CLOSED	2 MILES AHEAD	LEFT LANE CLOSED	2 MILES AHEAD	RIGHT LANE CLOSED	2 MILES AHEAD	
CONTRACTOR	1 (NB)	134.0	SINGLE LANE TRAFFIC	BEGINS MON. XX	SHLDRS CLOSED	3 MILES AHEAD	LEFT LANE CLOSED	3 MILES AHEAD	RIGHT LANE CLOSED	3 MILES AHEAD	

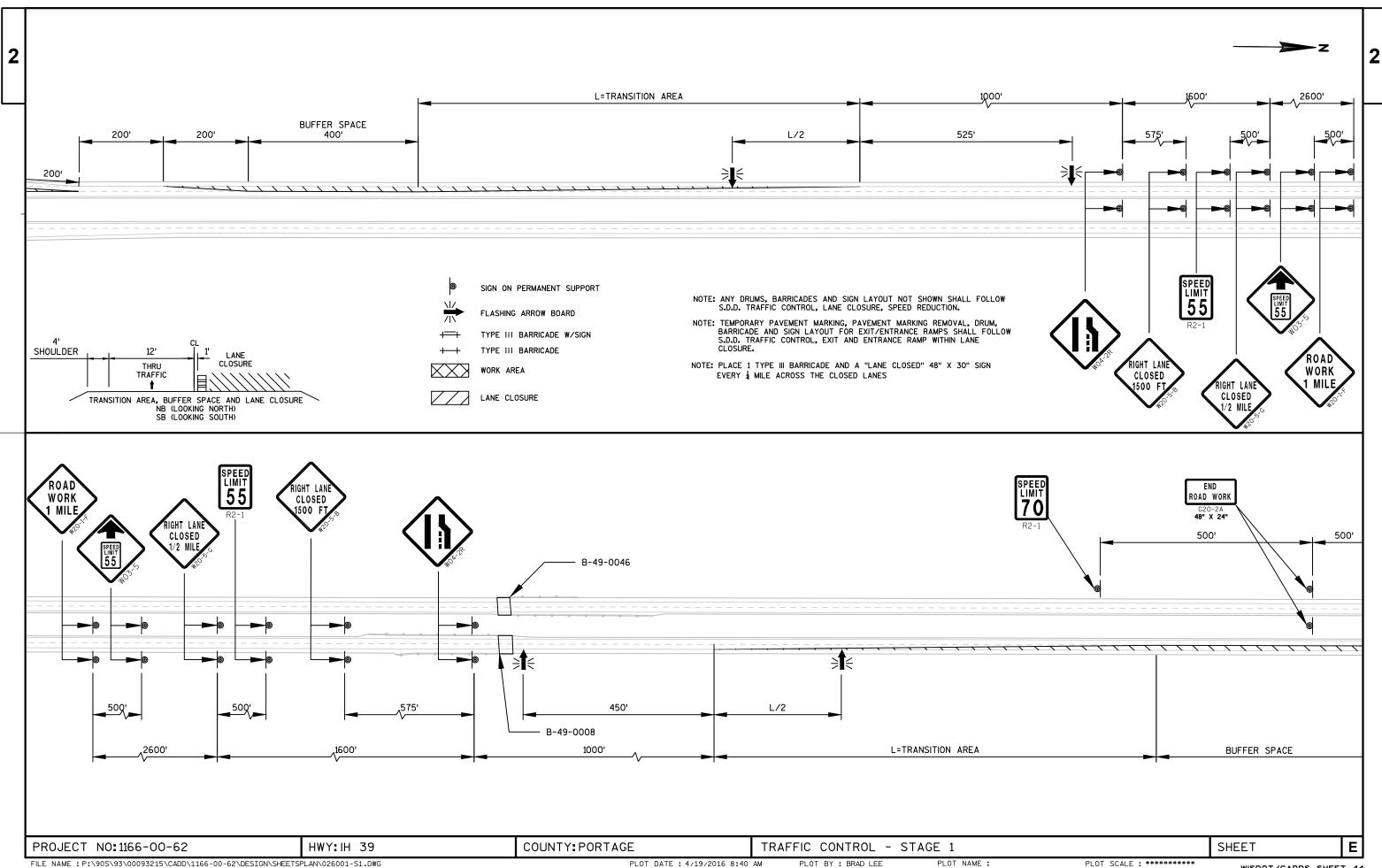
**HWY:** IH 39



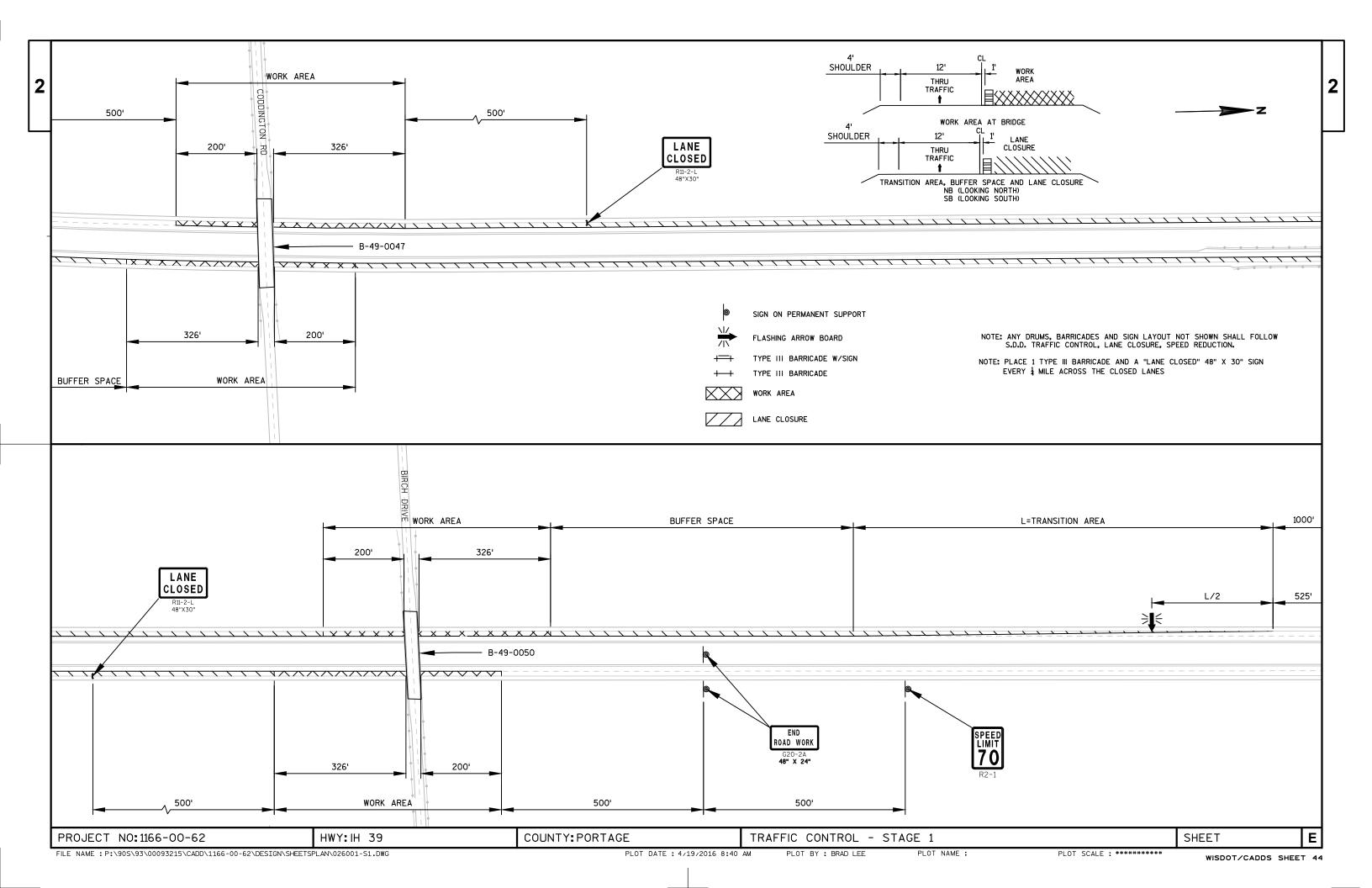


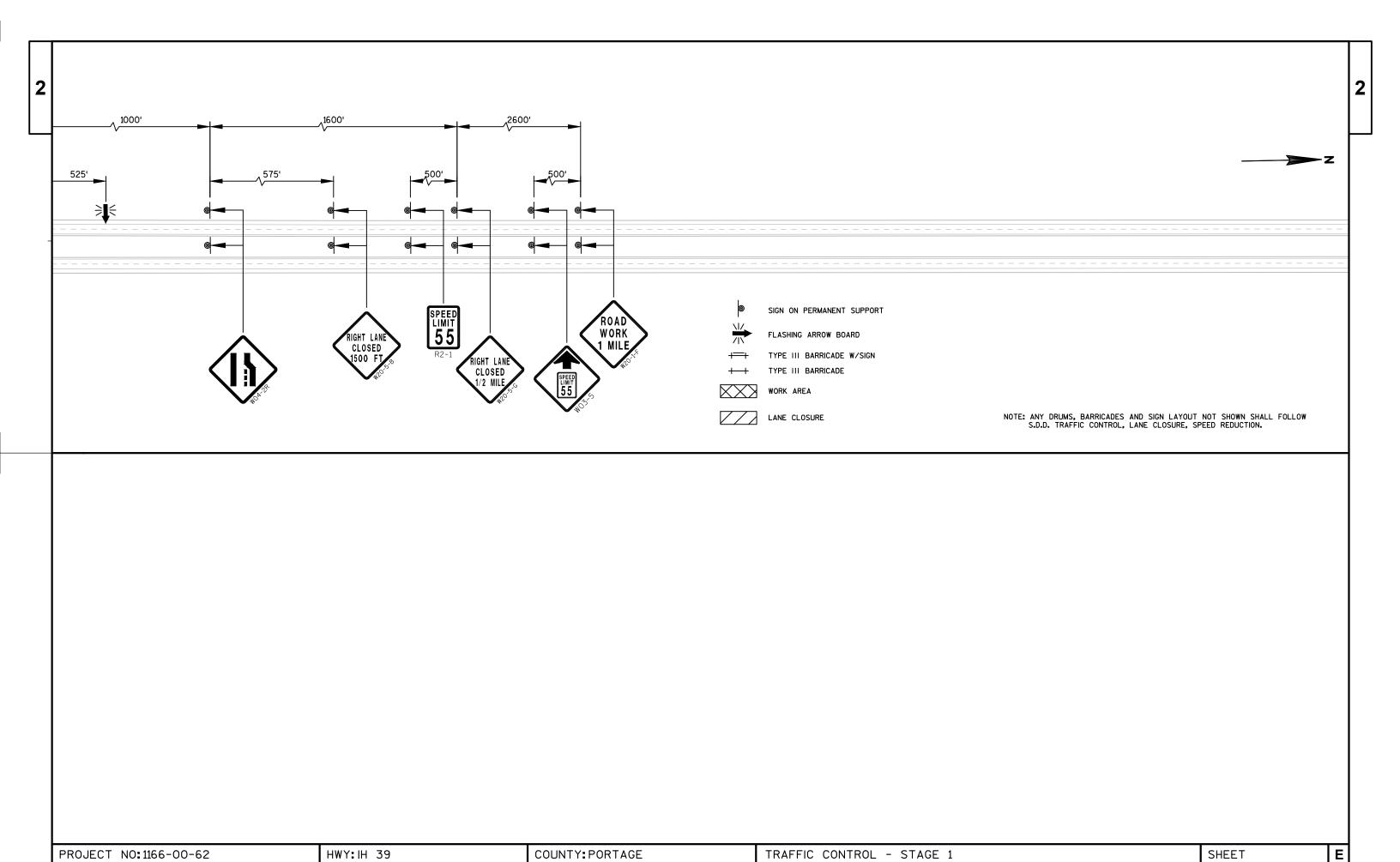






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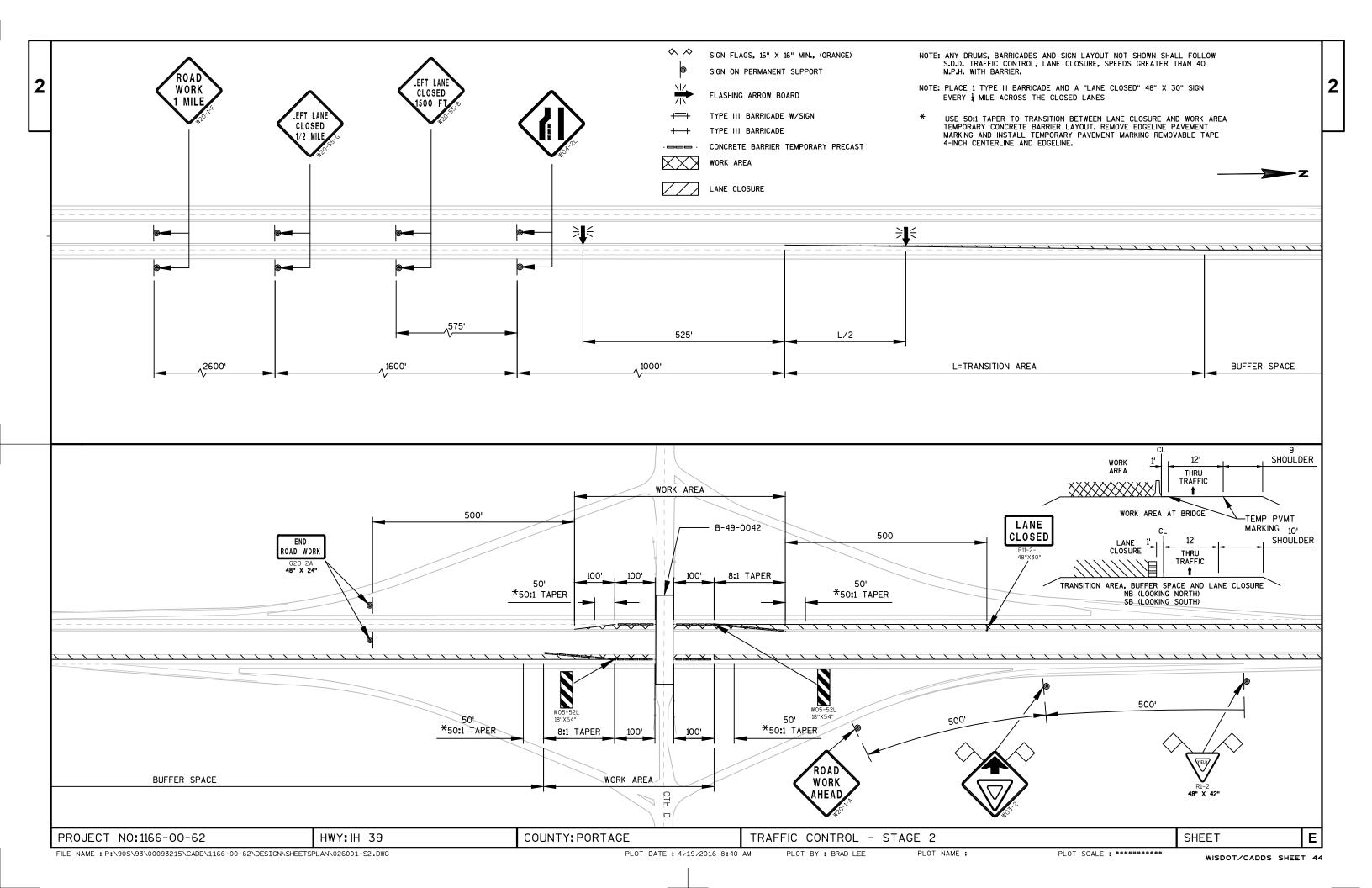
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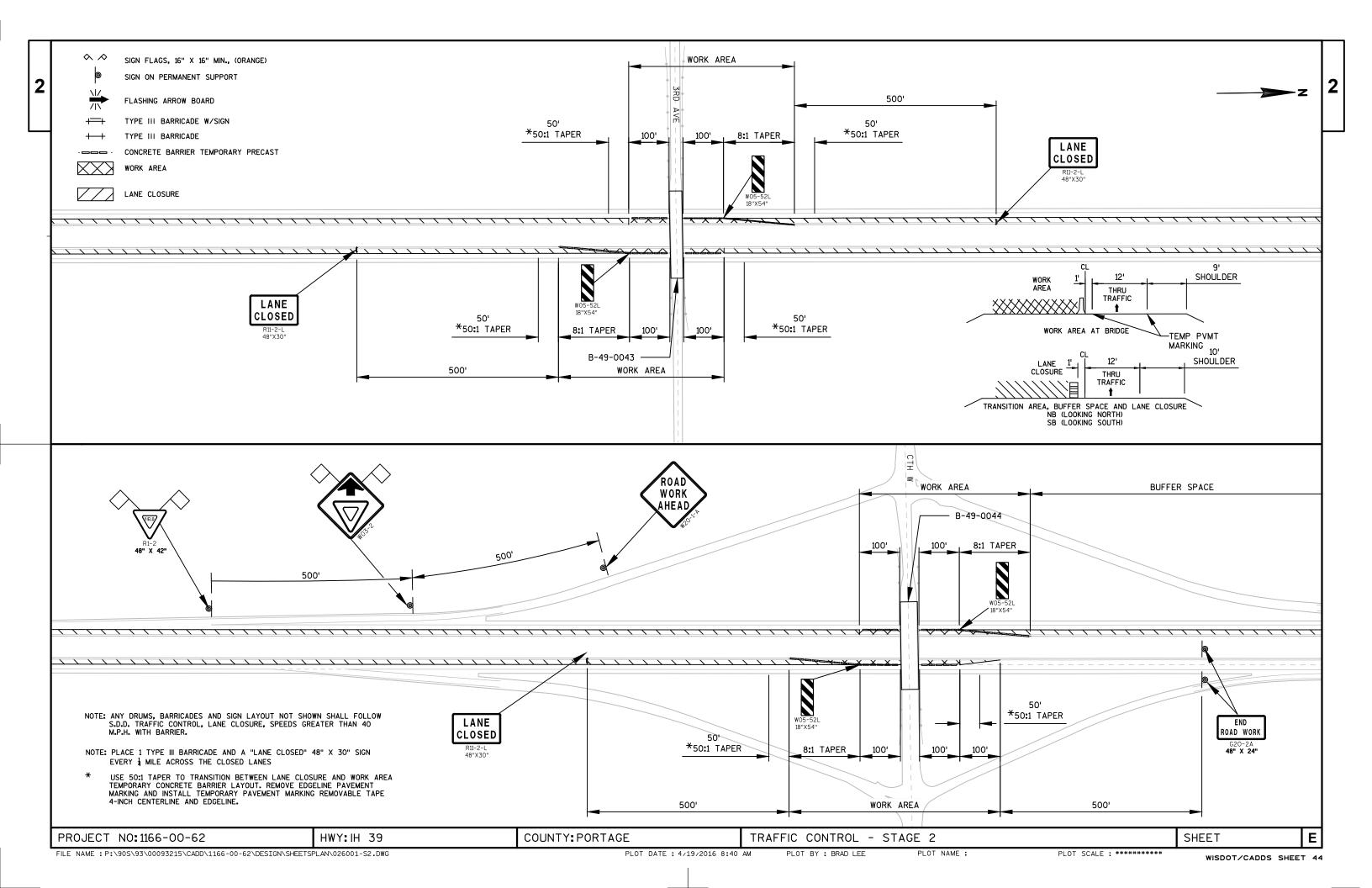
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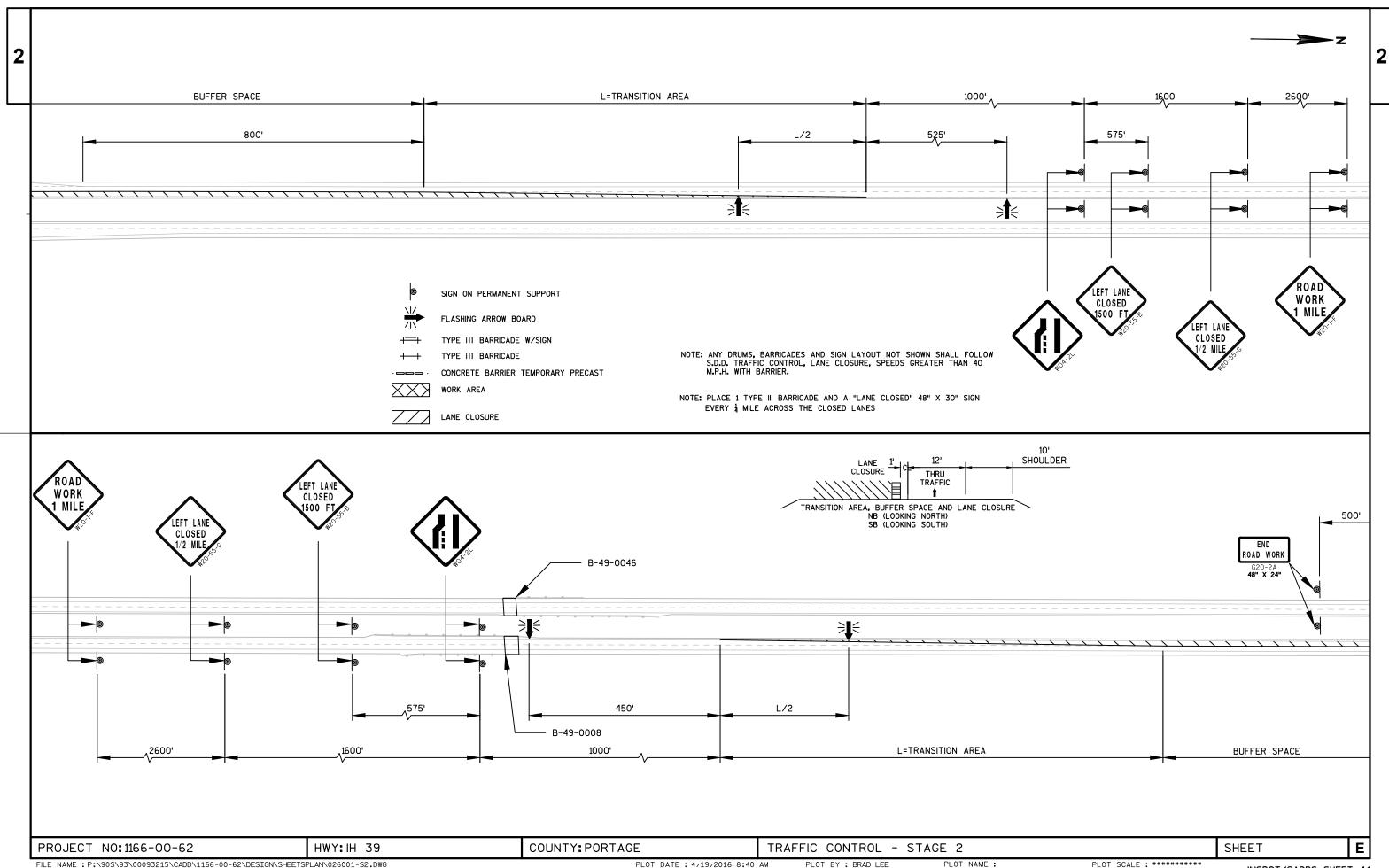
PLOT BY : BRAD LEE

PLOT NAME :

PLOT SCALE : #########

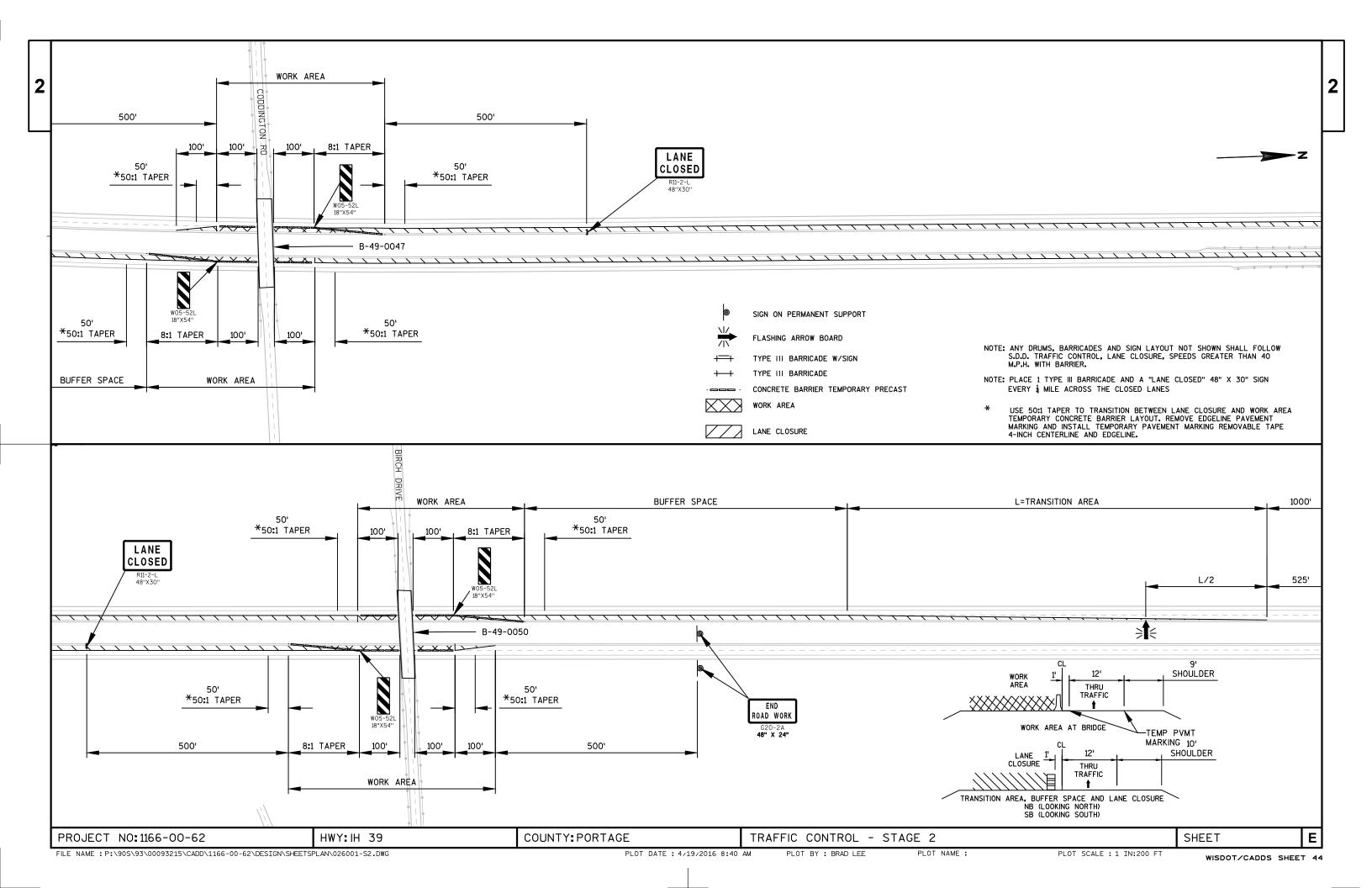


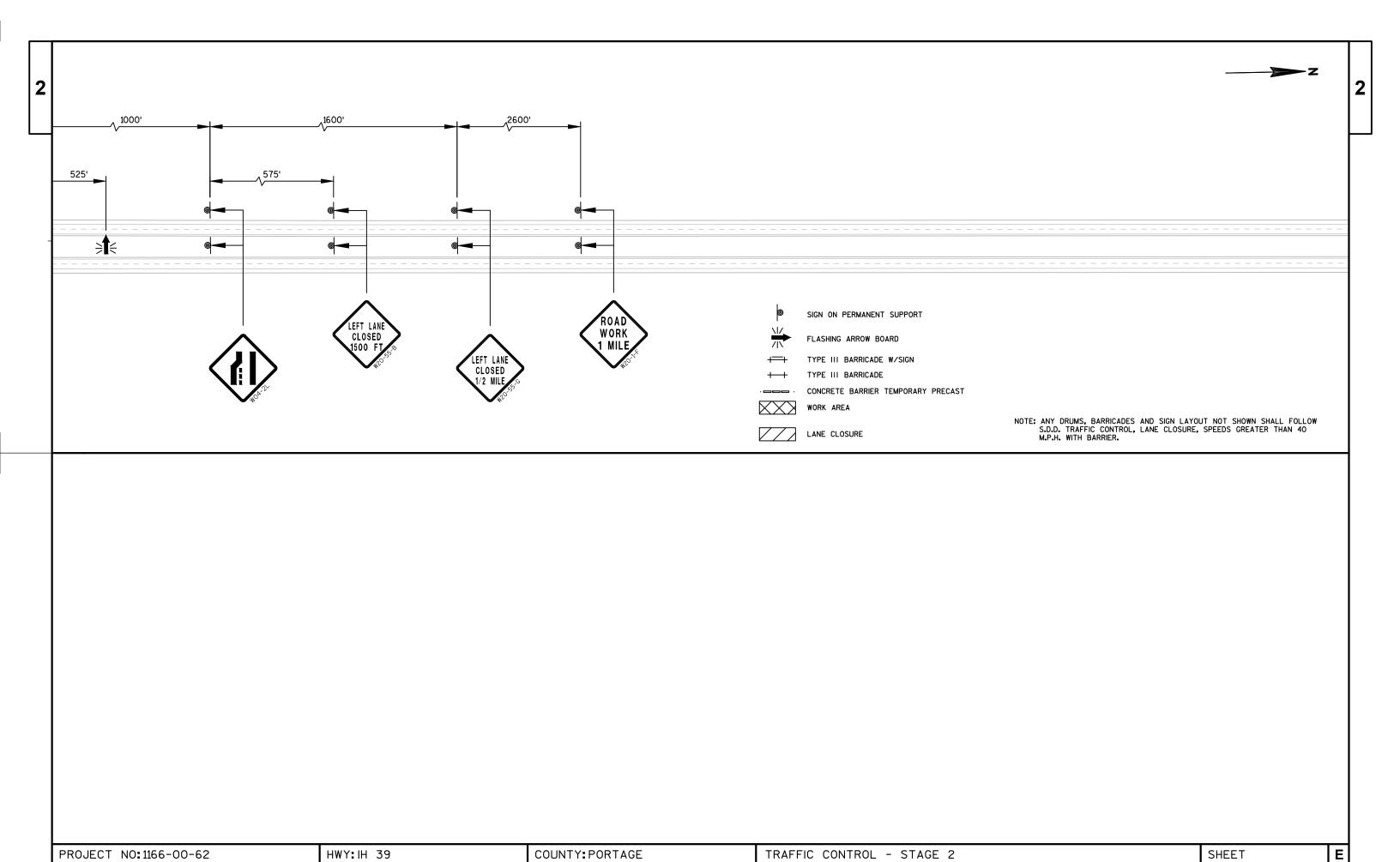




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PLOT SCALE : \*\*\*\*\*\*\*\*\*\*



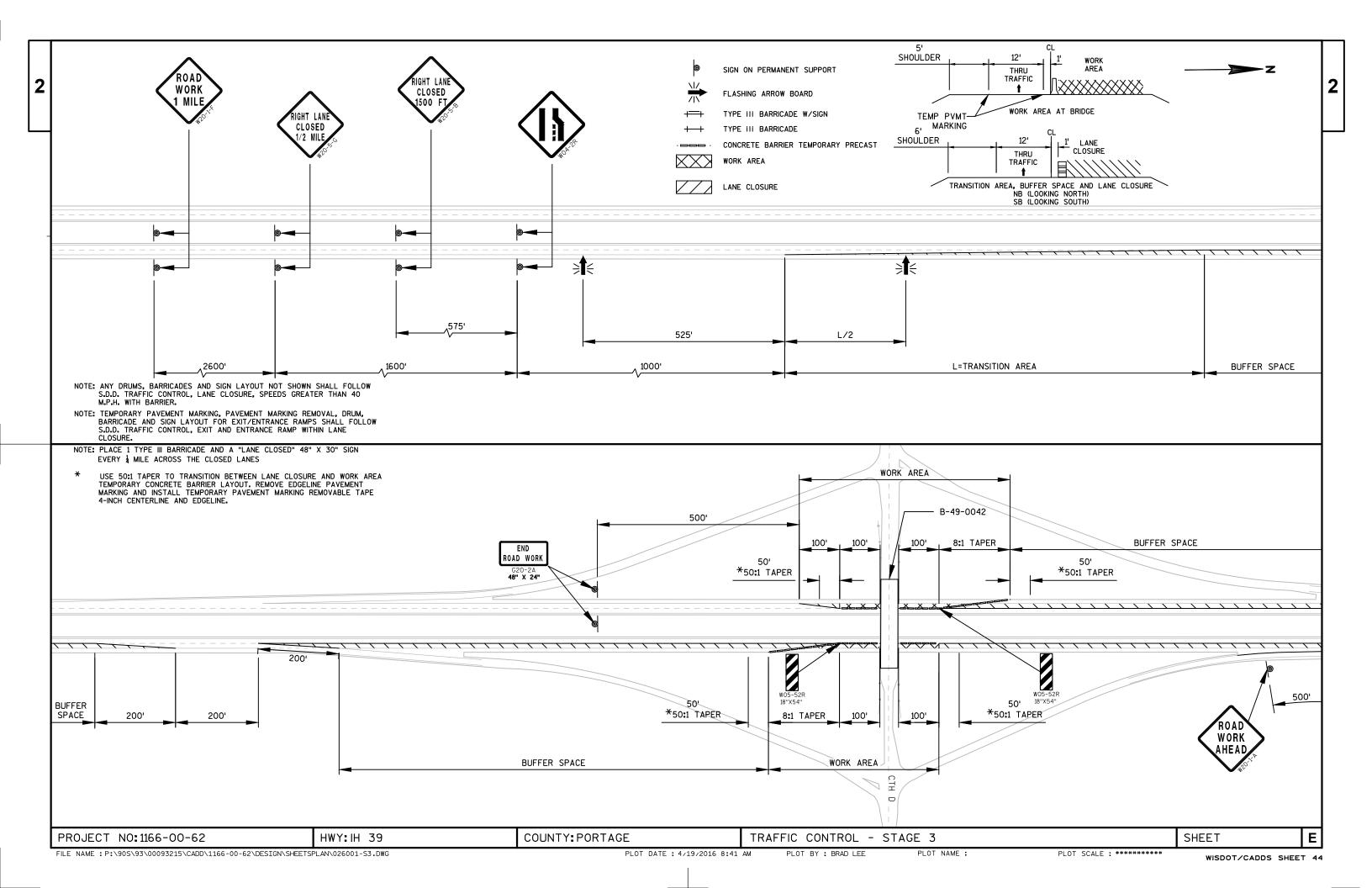


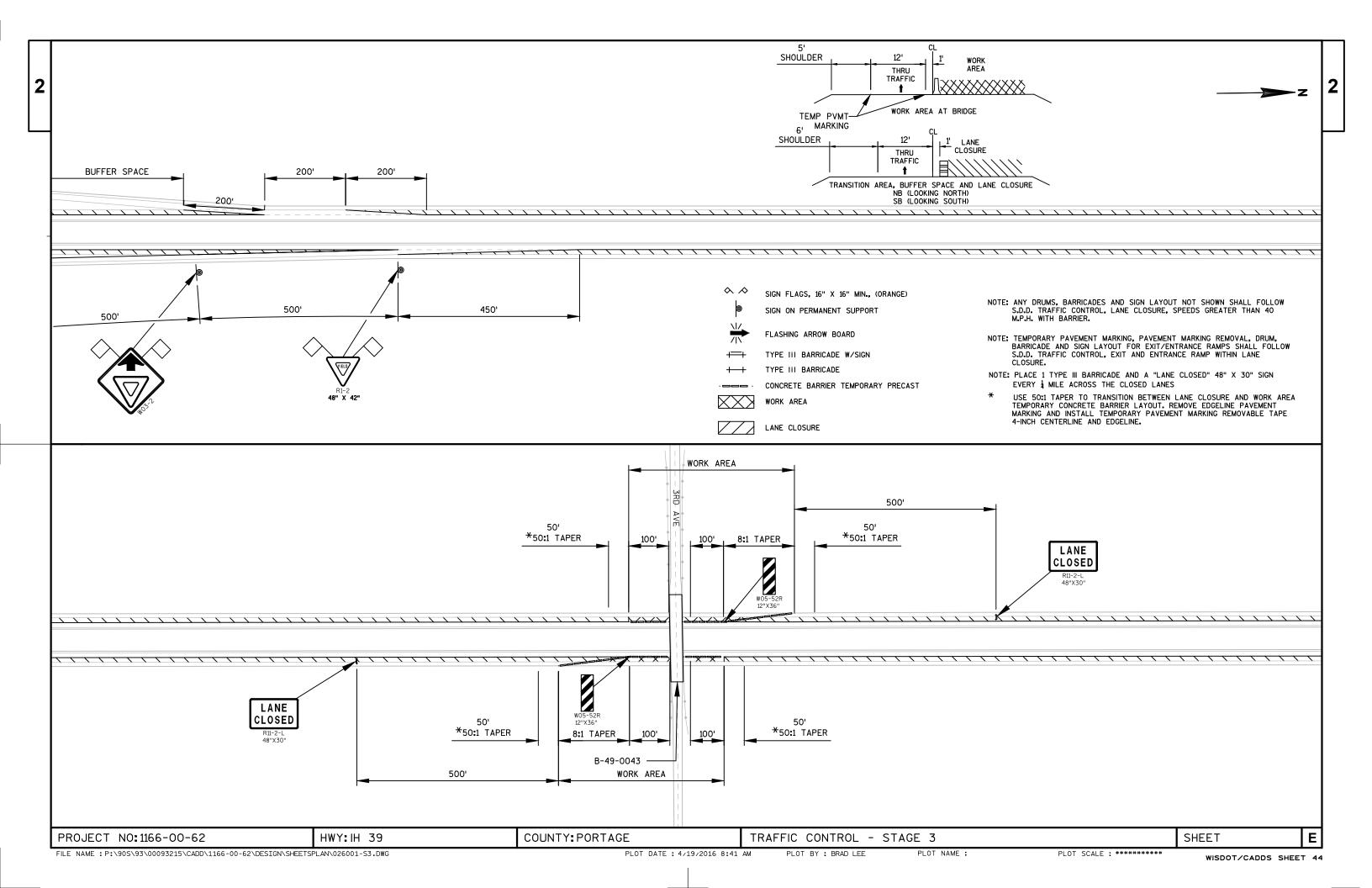
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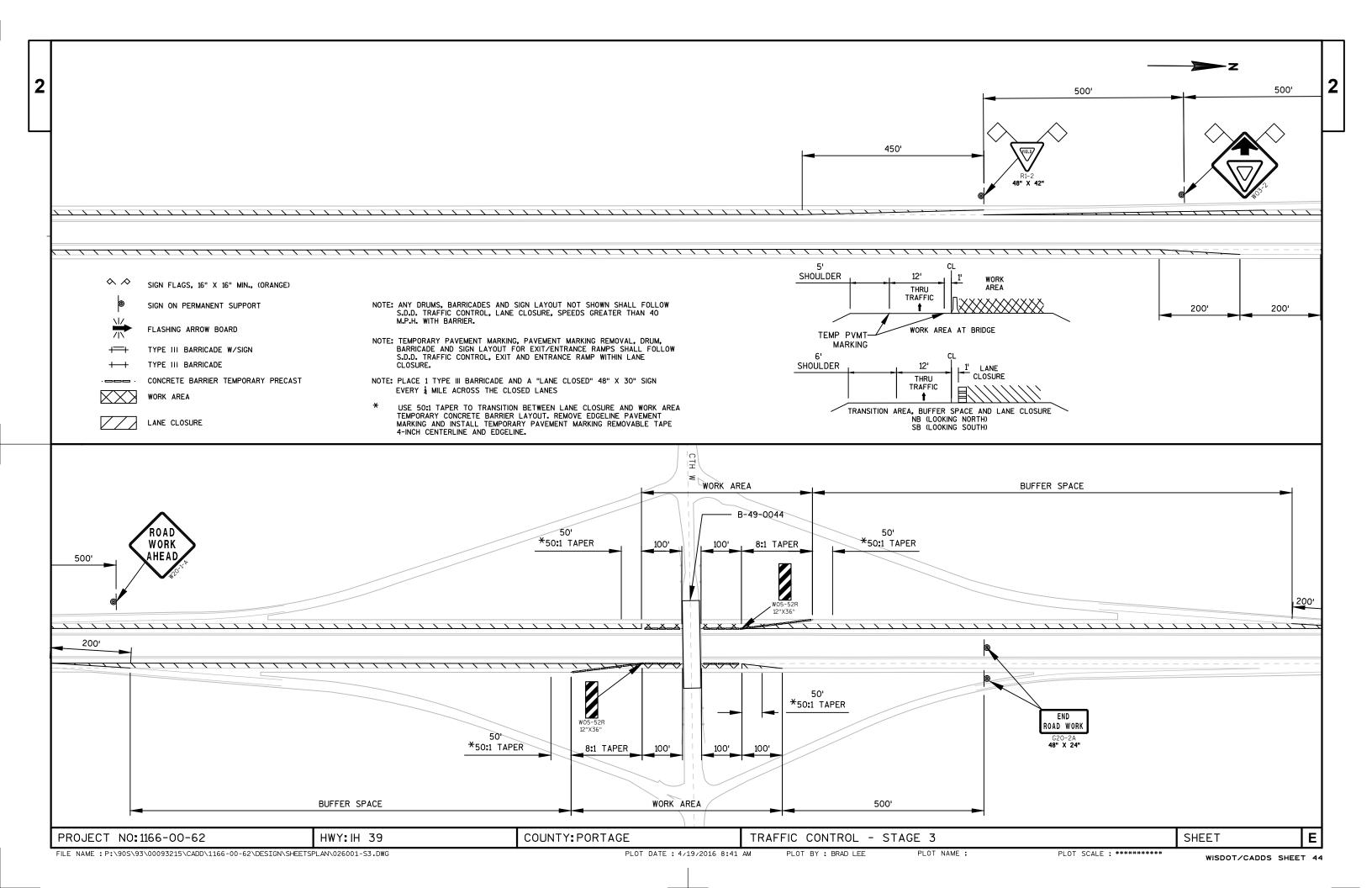
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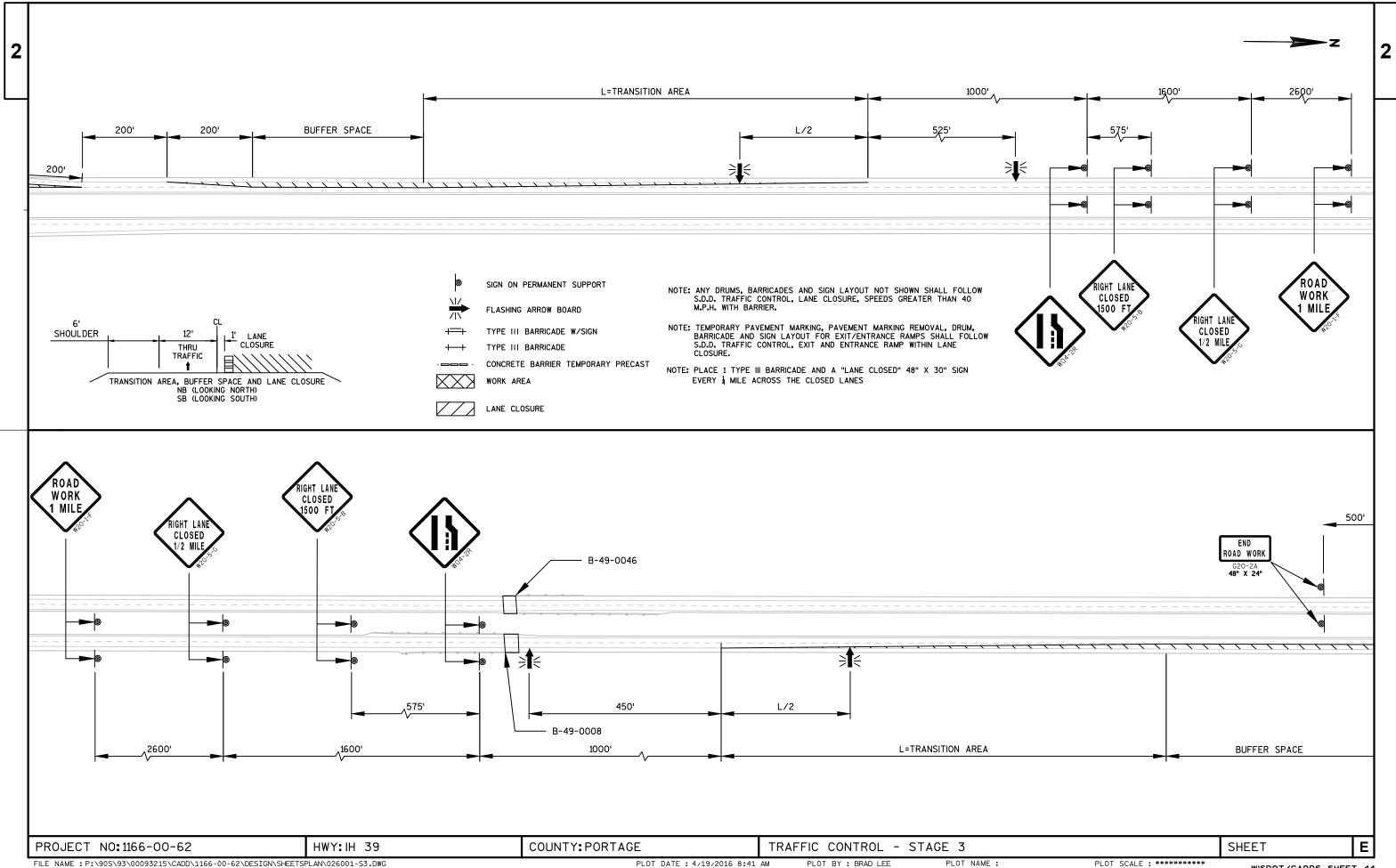
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PLOT SCALE : #########

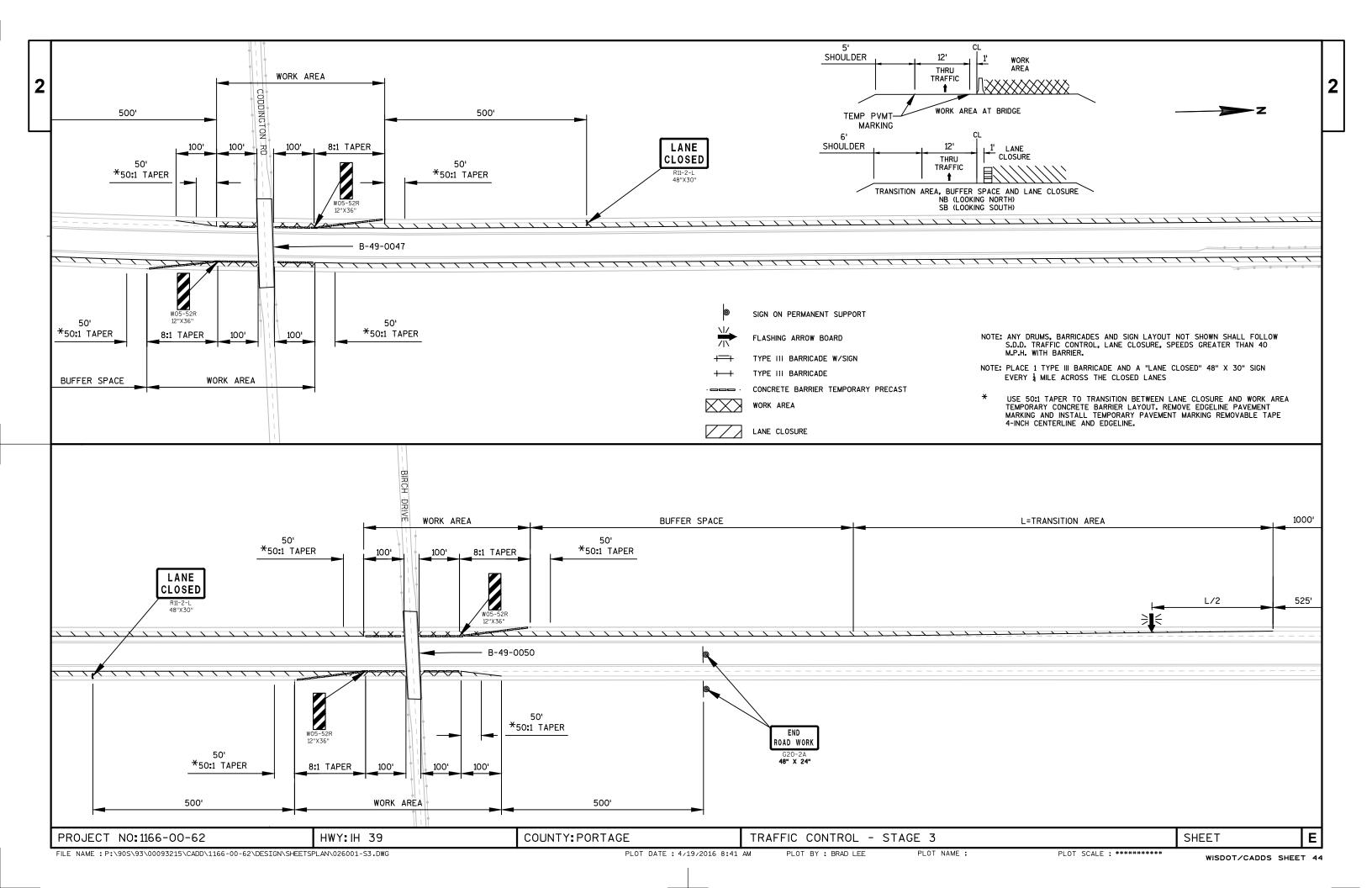


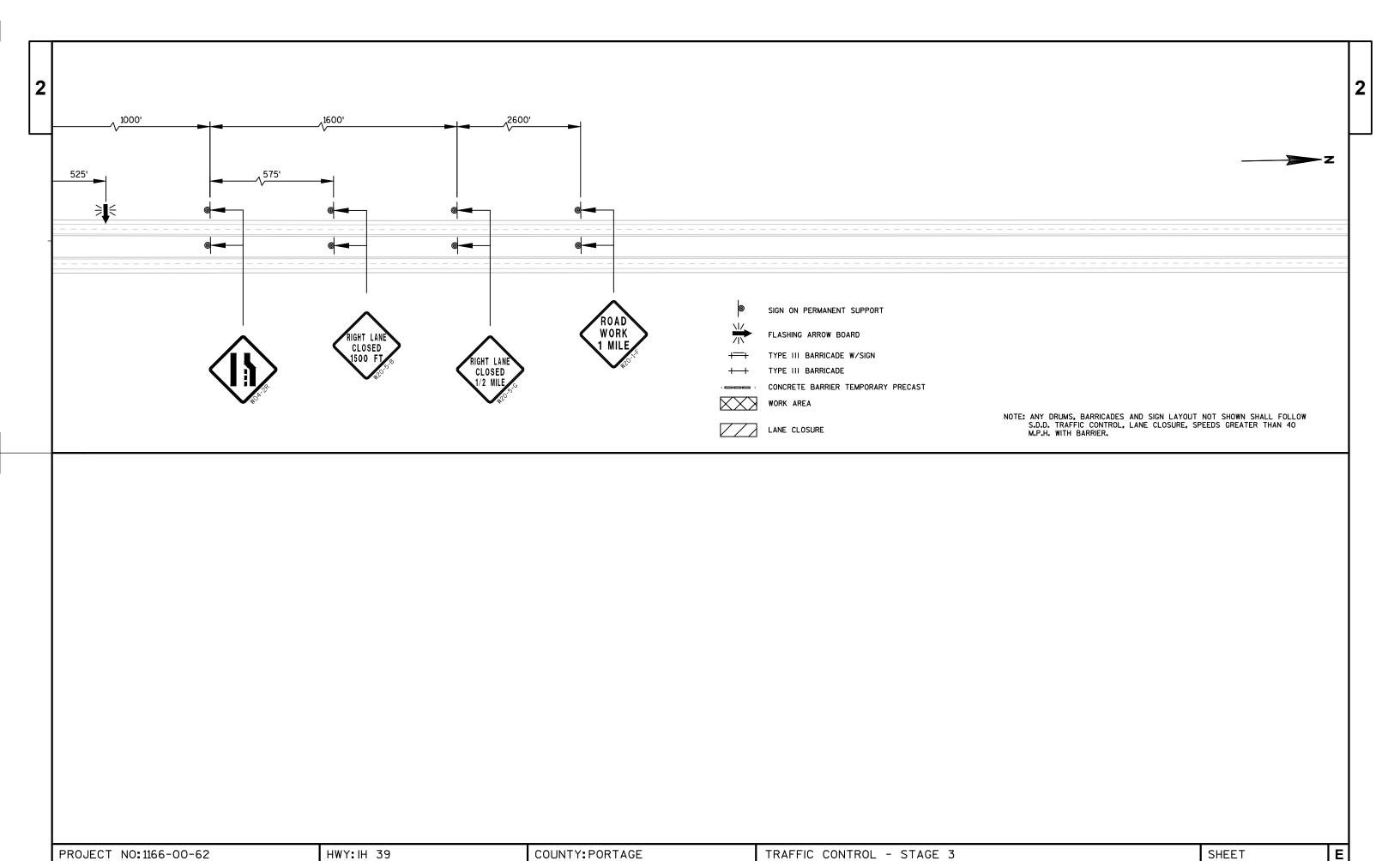






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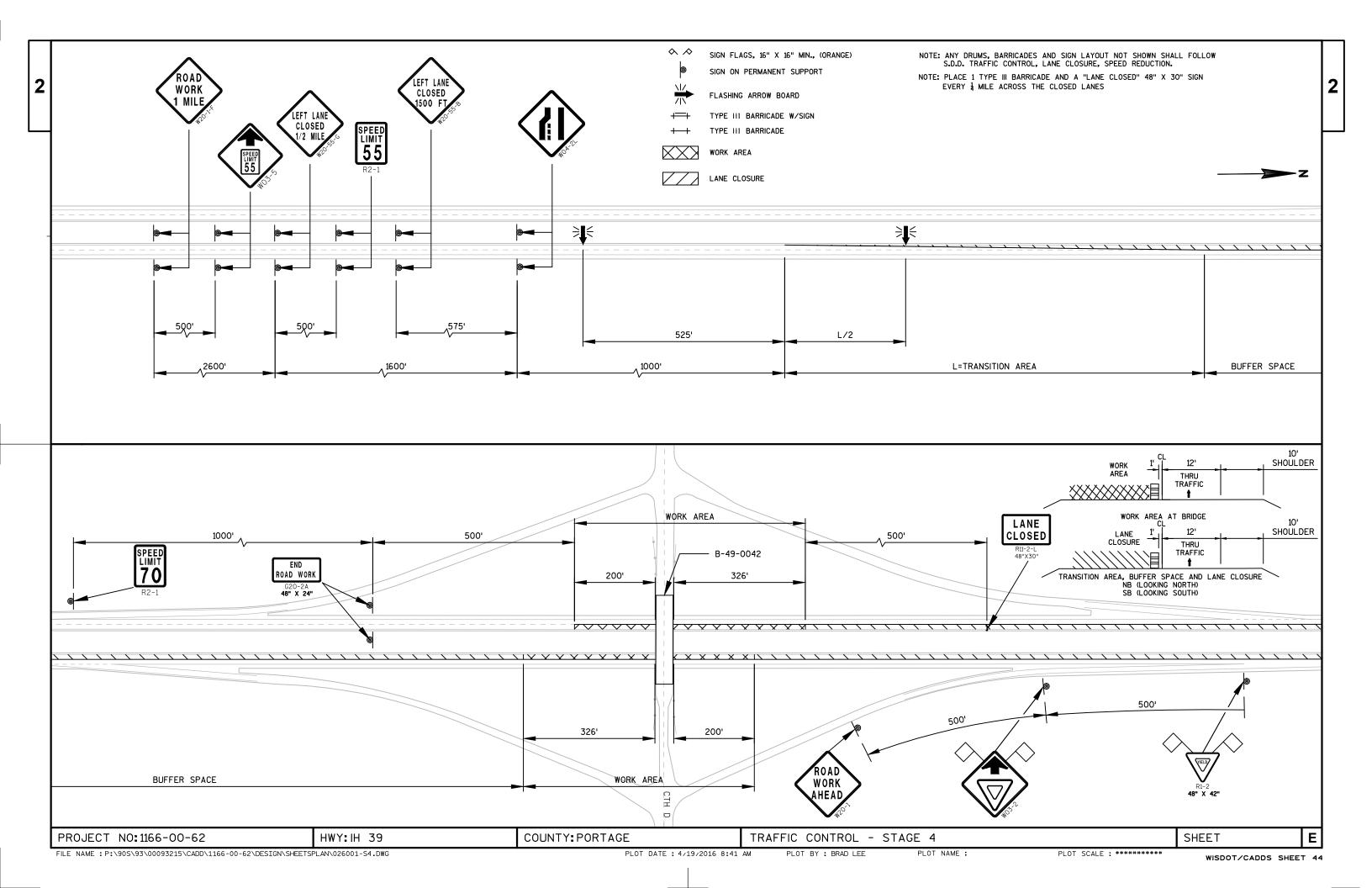
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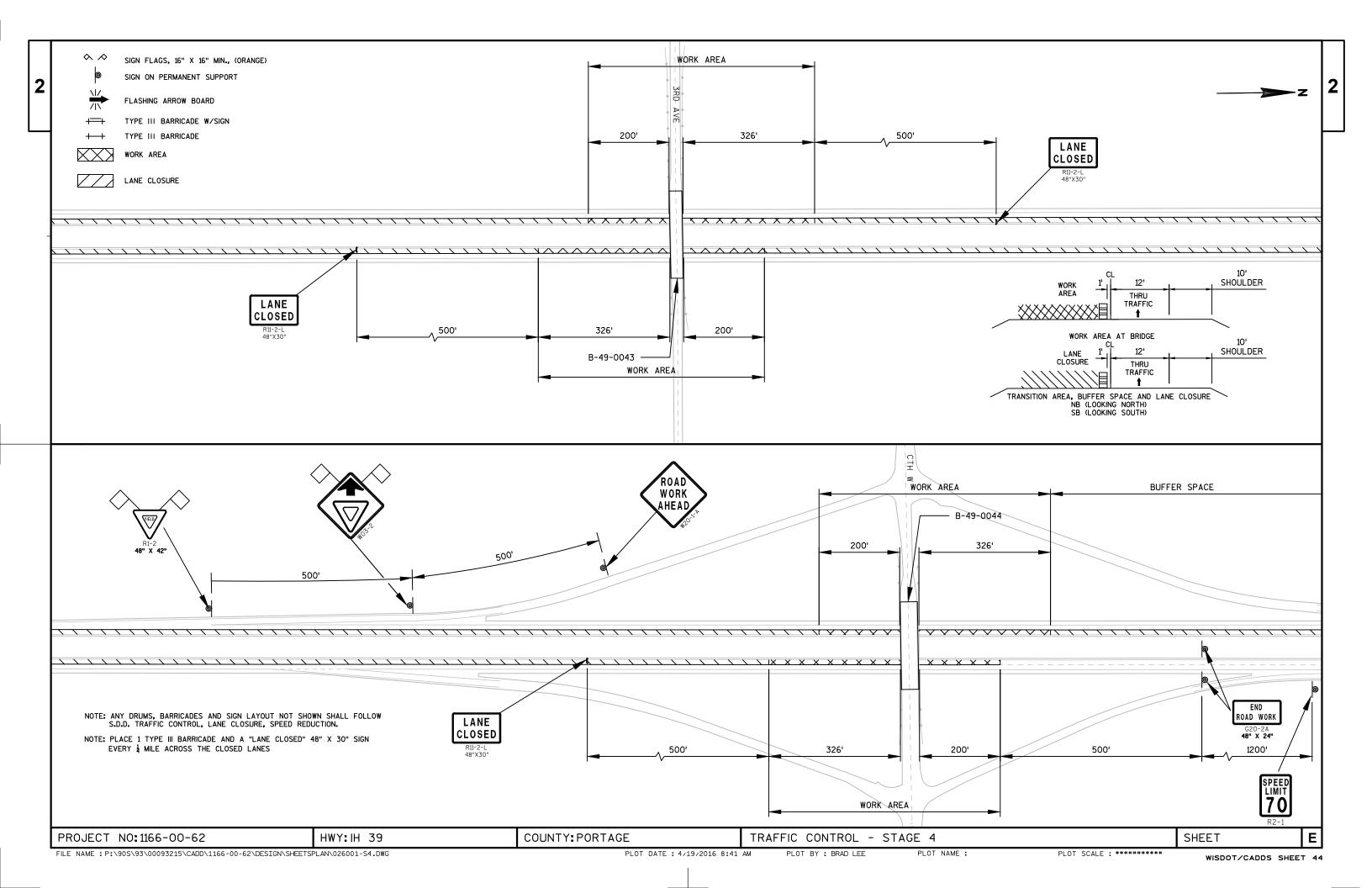
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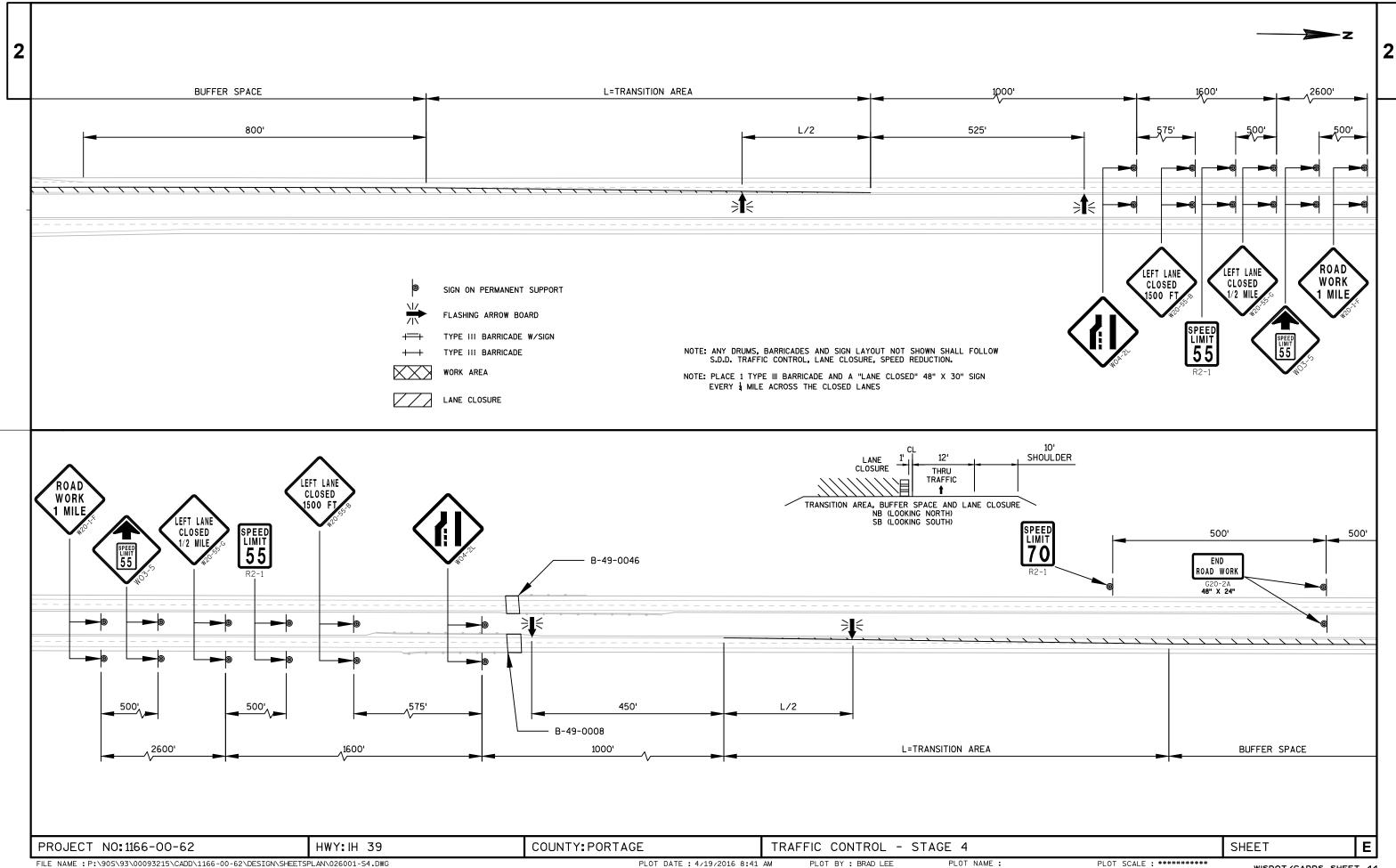
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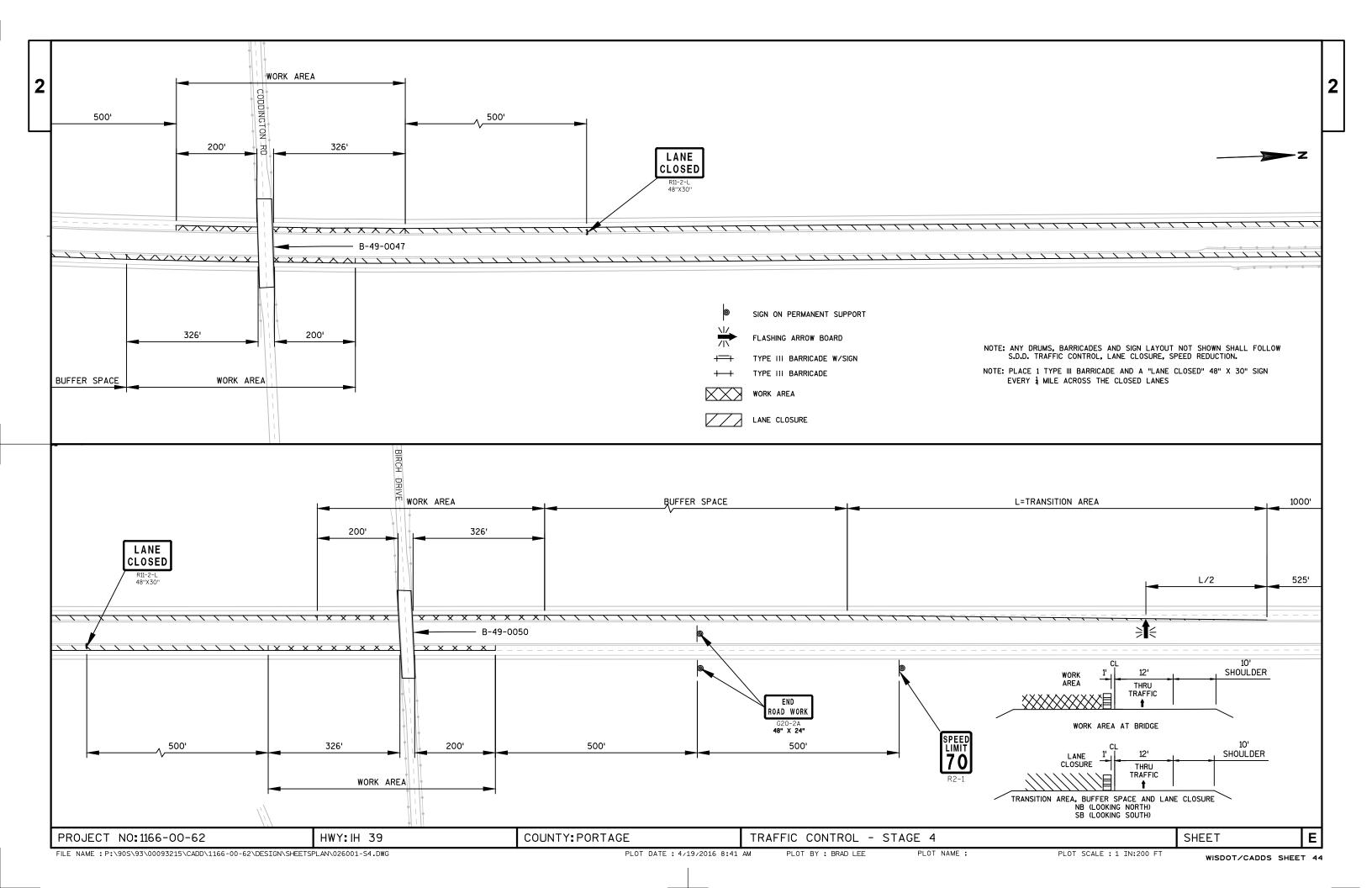
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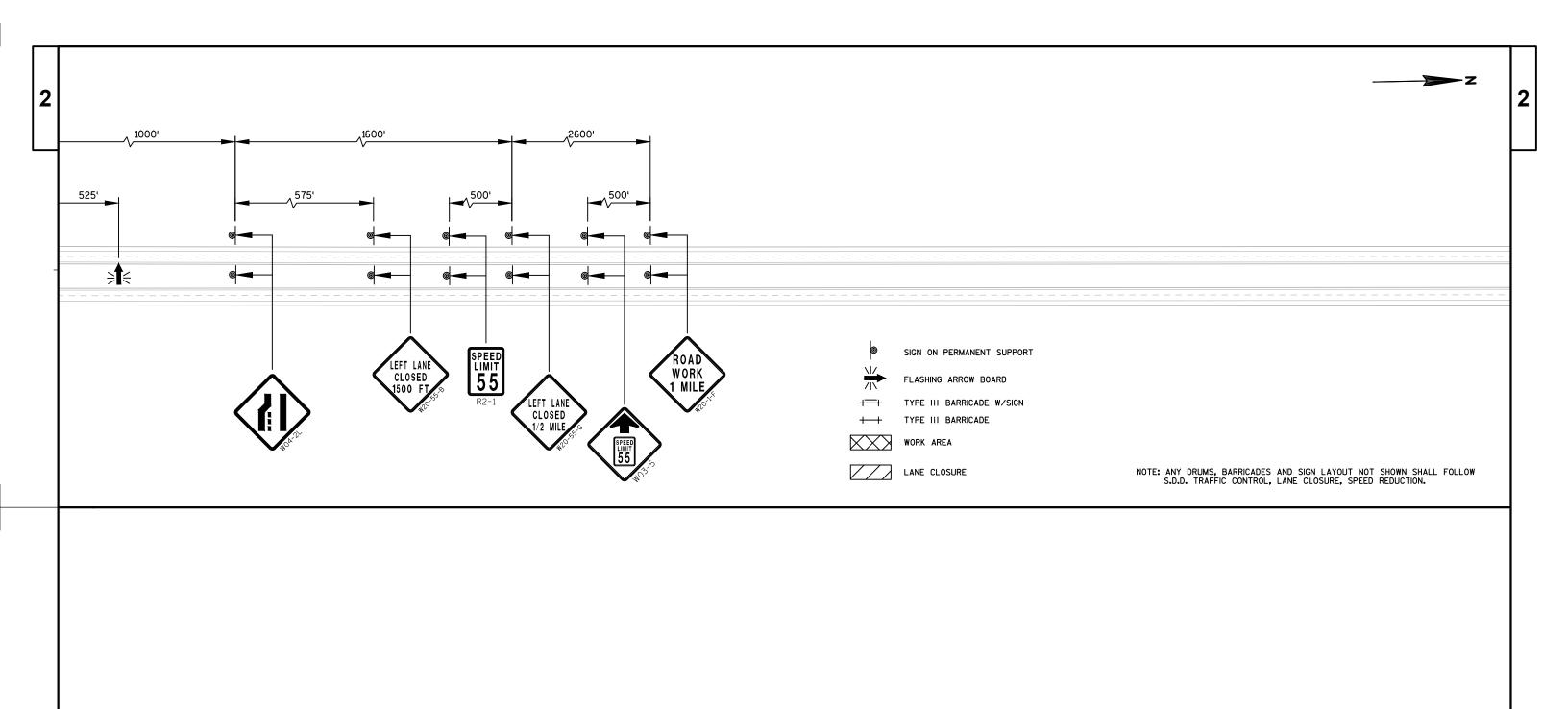
PLOT SCALE : #########











PROJECT NO:1166-00-62 HWY:H 39 COUNTY:PORTAGE TRAFFIC CONTROL - STAGE 4 SHEET **E** 

FILE NAME : P:\90S\93\00093215\CADD\1166-00-62\DESIGN\SHEETSPLAN\026001-S4.DWG

PLOT DATE: 4/19/2016 8:41 AM

PLOT BY : BRAD LEE

PLOT NAME :

PLOT SCALE : #########

					1166-00-62
Line	Item	Item Description	Unit	Total	Qty
0010	204.0120	Removing Asphaltic Surface Milling	SY	8,840.000	8,840.000
0020	211.0400	Prepare Foundation for Asphaltic Shoulders	STA	120.000	120.000
0030	213.0100	Finishing Roadway (project) 01. 1166-00-62	EACH	1.000	1.000
0040	305.0110	Base Aggregate Dense 3/4-Inch	TON	276.000	276.000
0050	305.0500	Shaping Shoulders	STA	120.000	120.000
0060	455.0605	Tack Coat	GAL	710.000	710.000
0070	460.2000	Incentive Density HMA Pavement	DOL	1,470.000	1,470.000
0800	460.5224	HMA Pavement 4 LT 58-28 S	TON	2,290.000	2,290.000
0090	465.0400	Asphaltic Shoulder Rumble Strips	LF	11,360.000	11,360.000
0100	517.1800.S	Structure Repainting Recycled Abrasive (structure) 01.	LS	1.000	1.000
		B-49-42			
0110	517.1800.S	Structure Repainting Recycled Abrasive (structure) 02. B-49-43	LS	1.000	1.000
0120	517.1800.S	Structure Repainting Recycled Abrasive (structure) 03. B-49-44	LS	1.000	1.000
0130	517.1800.S	Structure Repainting Recycled Abrasive (structure) 04. B-49-47	LS	1.000	1.000
0140	517.1800.S	Structure Repainting Recycled Abrasive (structure) 05. B-49-50	LS	1.000	1.000
0150	517.4500.S	Negative Pressure Containment and Collection of Waste Materials (structure) 01. B-49-42	LS	1.000	1.000
0160	517.4500.S	Negative Pressure Containment and Collection of Waste Materials (structure) 02. B-49-43	LS	1.000	1.000
0170	517.4500.S	Negative Pressure Containment and Collection of Waste Materials (structure) 03. B-49-44	LS	1.000	1.000
0180	517.4500.S	Negative Pressure Containment and Collection of Waste Materials (structure) 04. B-49-47	LS	1.000	1.000
0190	517.4500.S		LS	1.000	1.000
0200	517.6001.S	Portable Decontamination Facility 01. B-49-42	EACH	1.000	1.000
0210	517.6001.S	Portable Decontamination Facility 02. B-49-43	EACH	1.000	1.000
0220		Portable Decontamination Facility 03. B-49-44	EACH	1.000	1.000
0230		Portable Decontamination Facility 04. B-49-47	EACH	1.000	1.000
0240		Portable Decontamination Facility 05. B-49-50	EACH	1.000	1.000
0250	603.8000	Concrete Barrier Temporary Precast Delivered	LF	8,000.000	8,000.000
0260	603.8125	Concrete Barrier Temporary Precast Installed	LF	8,000.000	8,000.000
0270	618.0100	Maintenance And Repair of Haul Roads (project) 01. 1166-00-62	EACH	1.000	1.000
0280	619.1000	Mobilization	EACH	1.000	1.000
0290	624.0100	Water	MGAL	4.000	4.000
0300		Traffic Control Surveillance and Maintenance (project)	DAY	108.000	108.000
		01. 1166-00-62			

# Page 2

# **Estimate Of Quantities**

1166-00-6
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Line	Item	Item Description	Unit	Total	Qty
0310	643.0300	Traffic Control Drums	DAY	101,140.000	101,140.000
0320	643.0420	Traffic Control Barricades Type III	DAY	6,696.000	6,696.000
0330	643.0705	Traffic Control Warning Lights Type A	DAY	13,392.000	13,392.000
0340	643.0715	Traffic Control Warning Lights Type C	DAY	11,708.000	11,708.000
0350	643.0800	Traffic Control Arrow Boards	DAY	864.000	864.000
0360	643.0900	Traffic Control Signs	DAY	12,924.000	12,924.000
0370	643.0920	Traffic Control Covering Signs Type II	EACH	14.000	14.000
0380	643.1051	Traffic Control Signs PCMS with Cellular Communications	DAY	216.000	216.000
0390	646.0106	Pavement Marking Epoxy 4-Inch	LF	14,030.000	14,030.000
0400	646.0600	Removing Pavement Markings	LF	12,990.000	12,990.000
0410	649.0400	Temporary Pavement Marking Removable Tape 4-Inch	LF	59,110.000	59,110.000
0420	649.0801	Temporary Pavement Marking Removable Tape 8-Inch	LF	5,600.000	5,600.000
0430	690.0150	Sawing Asphalt	LF	280.000	280.000
0440	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	1,200.000	1,200.000
0450	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	300.000	300.000

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3

REMOVING PAVEMENT
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204.0120 REMOVING ASPHALTIC SURFACE MILLING

			SUN ACE MILLING
CATEGORY	STATION	LOCATION	SY
0060	315+57 - 321+27	LT & RT SHOULDER	890
	420+52 - 426+12	LT & RT SHOULDER	870
	499+68 - 505+43	LT & RT SHOULDER	890
	708+69 - 714+39	LT & RT SHOULDER	890
	867+39 - 873+04	LT & RT SHOULDER	880
	316+83SB - 322+53SB	LT & RT SHOULDER	890
	421+82SB - 427+42SB	LT & RT SHOULDER	870
	500+99SB - 506+74SB	LT & RT SHOULDER	890
	709+89SB - 715+59SB	LT & RT SHOULDER	890
	868+61SB - 874+26SB	LT & RT SHOULDER	880
	TOTAL	-	8840

211.0400

305.0110

305.0500

624.0100

			PREPARE	BASE	SHAPING	WATER
			FOUNDATION	AGGREGATE	SHOULDERS	
			FOR ASPHALTIC	DENSE		
			SHOULDERS	3/4-INCH		
CATEGORY	STATION - STATION	LOCATION	STA	TON	STA	MGAL
0060	315+57 - 321+27	LT & RT SHOULDER	12	28	12	0.4
	420+52 - 426+12	LT & RT SHOULDER	12	27	12	0.4
	499+68 - 505+43	LT & RT SHOULDER	12	28	12	0.4
	708+69 - 714+39	LT & RT SHOULDER	12	28	12	0.4
	867+39 - 873+04	LT & RT SHOULDER	12	27	12	0.4
	316+83SB - 322+53SB	LT & RT SHOULDER	12	28	12	0.4
	421+82SB - 427+42SB	LT & RT SHOULDER	12	27	12	0.4
	500+99SB - 506+74SB	LT & RT SHOULDER	12	28	12	0.4
	709+89SB - 715+59SB	LT & RT SHOULDER	12	28	12	0.4
	868+61SB - 874+26SB	LT & RT SHOULDER	12	27	12	0.4
,	TOTAL		120	276	120	4

NOTE: BASE AGGREGATE DENSE 3/4-INCH WAS CALCULATED USING 2.0 TONS/CY.

#### ASPHALT PAVEMENT ITEMS

				455.0605 TACK* COAT	460.5224 HMA PAVEMENT 4 LT 58-28 S
CATEGORY	STATION - STATION	LOCATION	THICKNESS	GAL	TON
0060	315+57 - 321+27	LT & RT SHOULDER	4	71	230
	420+52 - 426+12	LT & RT SHOULDER	4	70	225
	499+68 - 505+43	LT & RT SHOULDER	4	72	232
	708+69 - 714+39	LT & RT SHOULDER	4	71	230
	867+39 - 873+04	LT & RT SHOULDER	4	71	228
	316+83SB - 322+53SB	LT & RT SHOULDER	4	71	230
	421+82SB - 427+42SB	LT & RT SHOULDER	4	70	225
	500+99SB - 506+74SB	LT & RT SHOULDER	4	72	232
	709+89SB - 715+59SB	LT & RT SHOULDER	4	71	230
	868+61SB - 874+26SB	LT & RT SHOULDER	4	71	228
		TOTAL		710	2290

NOTE: TACK COAT CALCULATED AT 0.07 GALLONS PER SQUARE

### RUMBLE STRIPS

			465.0400 ASPHALTIC SHOULDER RUMBLE STRIPS
CATEGORY	STATION - STATION	LOCATION	LF
0060	315+57 - 321+27	LT & RT SHOULDER	1140
	420+52 - 426+12	LT & RT SHOULDER	1120
	499+68 - 505+43	LT & RT SHOULDER	1150
	708+69 - 714+39	LT & RT SHOULDER	1140
	867+39 - 873+04	LT & RT SHOULDER	1130
	316+83SB - 322+53SB	LT & RT SHOULDER	1140
	421+82SB - 427+42SB	LT & RT SHOULDER	1120
	500+99SB - 506+74SB	LT & RT SHOULDER	1150
	709+89SB - 715+59SB	LT & RT SHOULDER	1140
	868+61SB - 874+26SB	LT & RT SHOULDER	1130
	TOTA	11360	

### MAINTENANCE AND REPAIR OF HAUL ROADS

	PROJECT NO: 1166-00-62	HWY: IH 39	COUNTY: PORTAGE	MISCELLANEOUS QUANTITIES	SHEET NO:	Е
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#### TRAFFIC CONTROL ITEMS

			603.8000	603.8125	643.0200		643.0300		643.0420		643.0705		643.0715		643.0800	643.0920		643.0900		643.1051
			CONCRETE	CONCRETE	TRAFFIC	TRAFFIC	TRAFFIC	TRAFFIC	TRAFFIC	TRAFFIC	TRAFFIC	TRAFFIC	TRAFFIC	TRAFFIC	TRAFFIC	TRAFFIC	TRAFFIC	TRAFFIC	TRAFFIC	TRAFFIC CONTROL
			BARRIER	BARRIER	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	SIGNS PCMS
			TEMPORARY	TEMPORARY	SURVEILLANCE	DRUMS	DRUMS	BARRICADES	BARRICADES	WARNING	WARNING	WARNING	WARNING	ARROW	ARROW	COVERING	SIGNS	SIGNS	SIGNS	WITH CELLULAR
			PRECAST	PRECAST	AND			TYPE III	TYPE III	LIGHTS	LIGHTS	LIGHTS	LIGHTS	BOARDS	BOARDS	SIGNS			PCMS	COMMUNICATIONS
			DELIVERED	INSTALLED	MAINTENANCE					TYPE A	TYPE A	TYPE C	TYPE C			TYPE II				
CATEGORY	LOCATION	DAYS	LF	LF	DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS	EACH	EACH	DAYS	EACH	DAYS
0060	NB STAGE 1	14			14	500	7000	31	434	62	868	66	924	4	56	5	64	896	1	14
	SB STAGE 1	14				500	7000	31	434	62	868	66	924	4	56	5	64	896	1	14
	NB STAGE 2	45	1900	1900	45	430	19350	31	1395	62	2790	40	1800	4	180		59	2655	1	45
	SB STAGE 2	45	1900	1900		430	19350	31	1395	62	2790	40	1800	4	180		59	2655	1	45
	NB STAGE 3	45	2100	2100	45	500	22500	31	1395	62	2790	66	2970	4	180		59	2655	1	45
	SB STAGE 3	45	2100	2100		500	22500	31	1395	62	2790	66	2970	4	180		59	2655	1	45
	NB STAGE 4	4			4	430	1720	31	124	62	248	40	160	4	16	2	64	256	1	4
	SB STAGE 4	4				430	1720	31	124	62	248	40	160	4	16	2	64	256	1	4
	TOTAL	_	8000	8000	108		101140		6696		13392		11708		864	14		12924		216

NOTE: TRAFFIC CONTROL COVERING SIGNS TYPE II INCLUDES 5 CYCLES FOR ALL NECESSARY SIGNS DURING STAGE 1, AND 2 CYCLES FOR ALL NECESSARY SIGNS DURING STAGE 4

TO A EEIO CONTROL	DAY/ENJENIENIENIA DIZINIO
TRAFFIC CONTROL	PAVEMENT MARKING

		649.0400 TEMPORARY PAVEMENT	649.0801 TEMPORARY PAVEMENT
		MARKING REMOVABLE	MARKING REMOVABLE
		TAPE 4-INCH	TAPE 8-INCH
CATEGORY	LOCATION	LF	LF
0060	NB STAGE 1	2830	1400
	SB STAGE 1	2830	1400
	NB STAGE 2	12055	
	SB STAGE 2	12055	
	NB STAGE 3	12590	1400
	SB STAGE 3	12590	1400
	NB STAGE 4	2080	
	SB STAGE 4	2080	
	TOTAL	59110	5600

#### PAVEMENT MARKING

		646.0600	646.0106	646.0106
		REMOVING	PAVEMENT	PAVEMENT
		PAVEMENT	MARKING	MARKING
		MARKINGS	EPOXY	EPOXY
			4-INCH	4-INCH
			WHITE	YELLOW
CATEGORY	LOCATION	LF	LF	LF
0060	NB STAGE 1	835		
	SB STAGE 1	835		
	NB STAGE 2	2830		
	SB STAGE 2	2830		
	NB STAGE 3	2830	3665	
	SB STAGE 3	2830	3665	
	NB STAGE 4		520	2830
	SB STAGE 4		520	2830
	SUB-TOTALS		8370	5660
	TOTAL	12990	140	030

### SAWING PAVEMENT ITEMS

			690.0150
			SAWING
			ASPHALT
CATEGORY	STATION	LOCATION	LF
0060	315+57	LT & RT SHOULDER	14
	321+27	LT & RT SHOULDER	14
	420+52	LT & RT SHOULDER	14
	426+12	LT & RT SHOULDER	14
	499+68	LT & RT SHOULDER	14
	505+43	LT & RT SHOULDER	14
	708+69	LT & RT SHOULDER	14
	714+39	LT & RT SHOULDER	14
	867+39	LT & RT SHOULDER	14
	873+04	LT & RT SHOULDER	14
	316+83SB	LT & RT SHOULDER	14
	322+53SB	LT & RT SHOULDER	14
	421+82SB	LT & RT SHOULDER	14
	427+42SB	LT & RT SHOULDER	14
	500+99SB	LT & RT SHOULDER	14
	506+74SB	LT & RT SHOULDER	14
	709+89SB	LT & RT SHOULDER	14
	715+59SB	LT & RT SHOULDER	14
	868+61SB	LT & RT SHOULDER	14
	874+26SB	LT & RT SHOULDER	14
		TOTAL	280

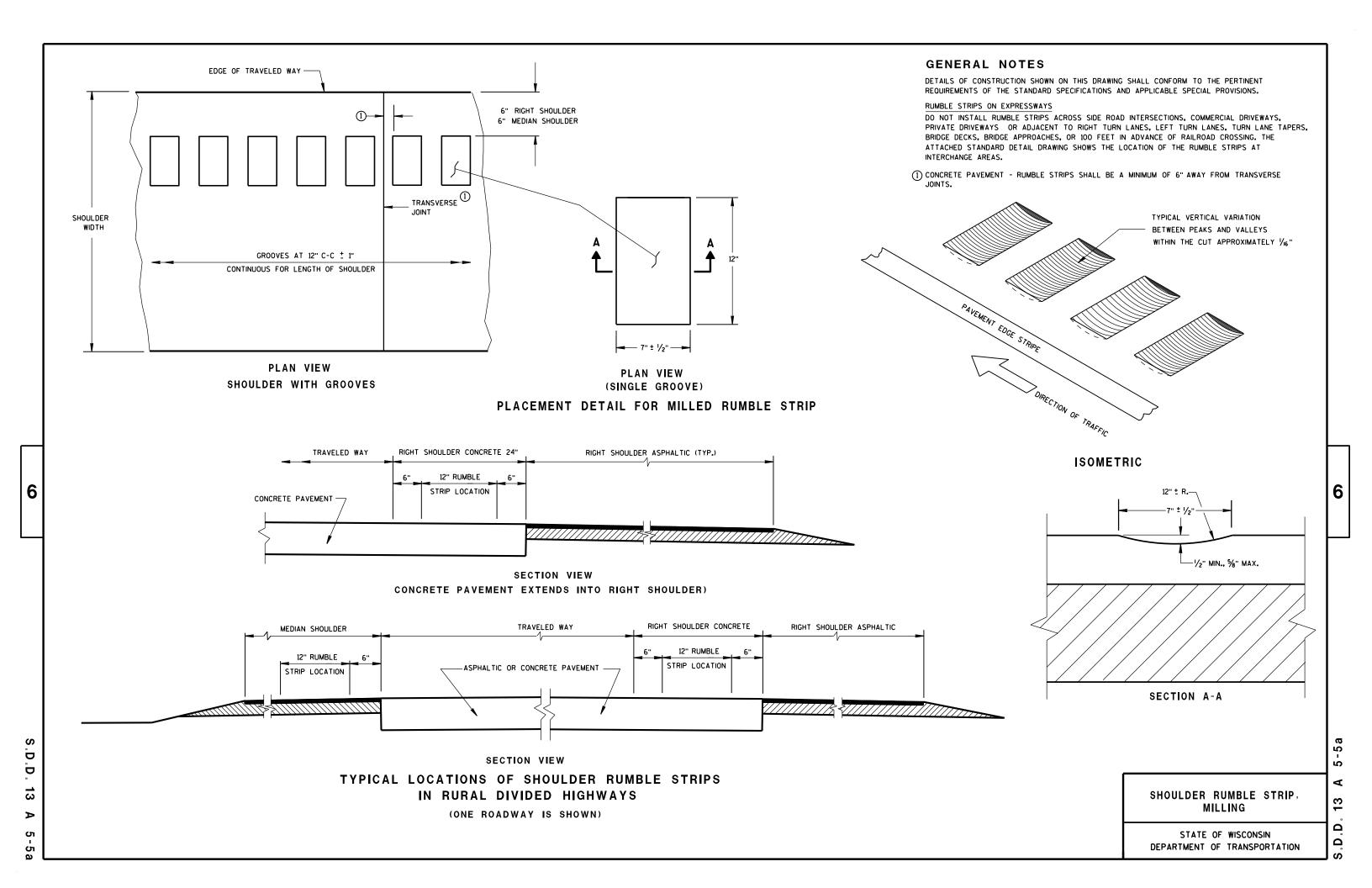
PROJECT NO: 1166-00-62 HWY: IH 39 COUNTY: PORTAGE MISCELLANEOUS QUANTITIES SHEET NO: E

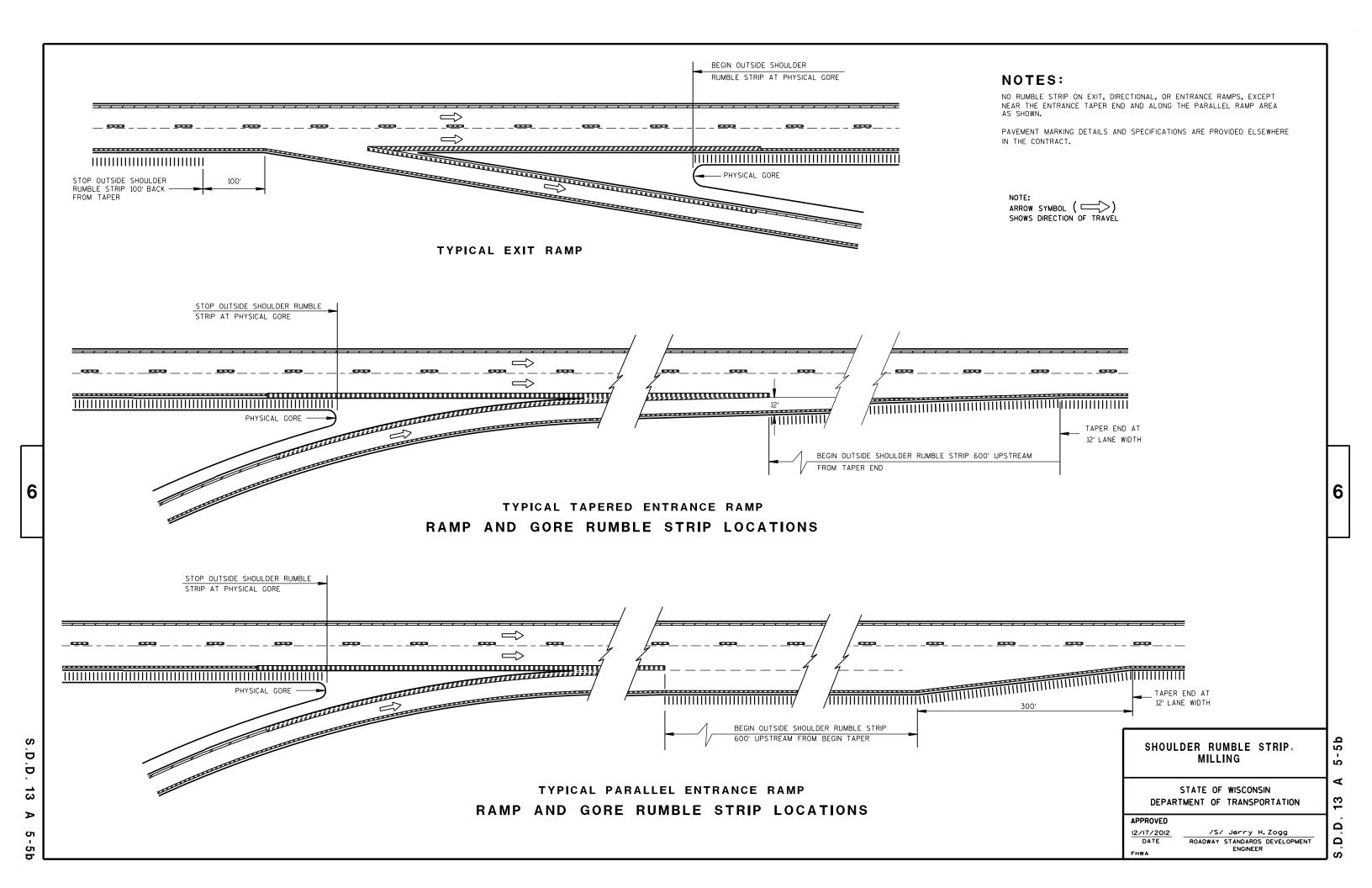
FILE NAME : N:\pds\design\_id\ PLOT DATE : \_\_\_\_\_ PLOT BY : \_\_\_\_ PLOT NAME : \_\_\_\_ ORG DATE : \_Jul 2015 ORIGINATOR : PLOT SCALE : 1:1

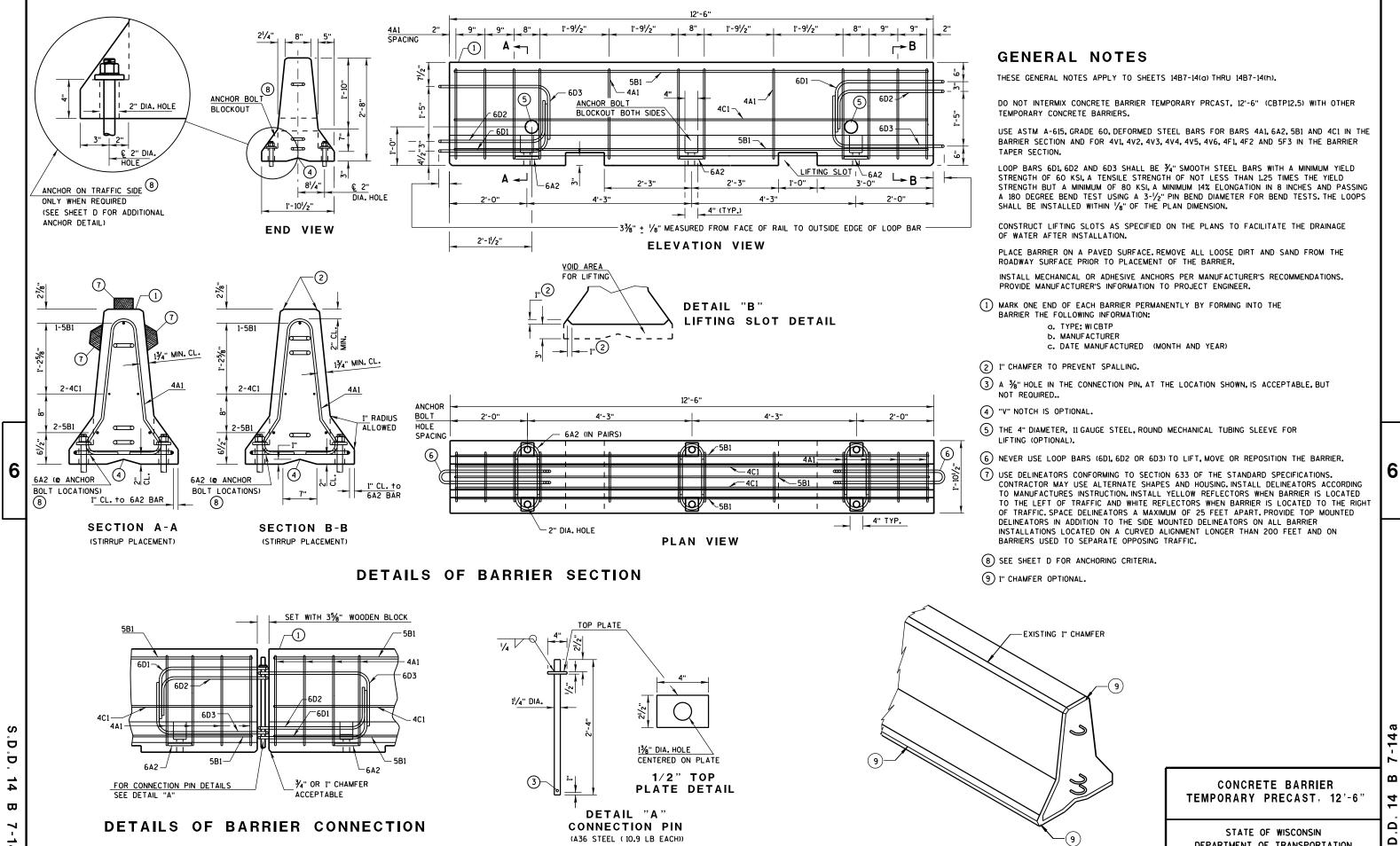
# Standard Detail Drawing List

13A05-05A	SHOULDER RUMBLE STRIP, MILLING
13A05-05B	SHOULDER RUMBLE STRIP, MILLING
14B07-14A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B08-02A	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02B	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02C	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02D	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02E	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
15C08-16A	PAVEMENT MARKING (MAINLINE)
15D03-03	TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H. WITH BARRIER
15D12-06A	TRAFFIC CONTROL, LANE CLOSURE
15D12-06B	TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION
15D15-02	TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE

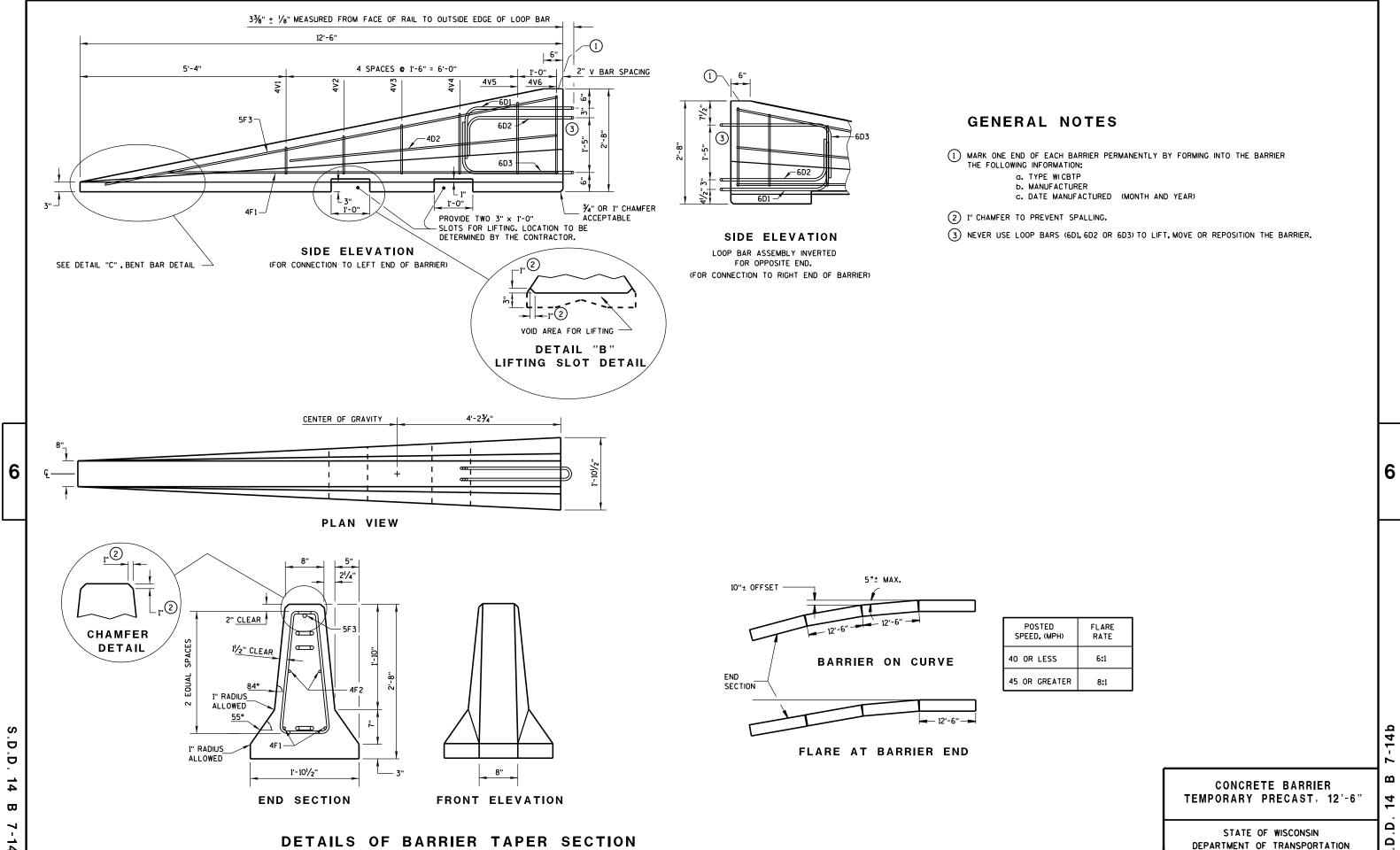
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DEPARTMENT OF TRANSPORTATION



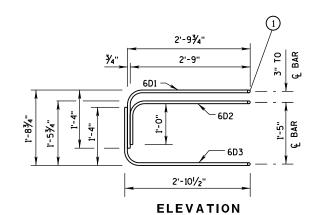
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1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

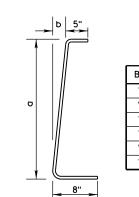
### BARRIER TAPER SECTION BILL OF MATERIALS

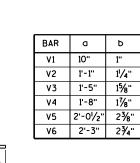
(PER 12'-6" BARRIER TAPER SECTION)

WENTE O BANNEN TALEN SECTION						
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.			
4V1	4	2	1'-11"			
4V2	4	2	2'-2"			
4٧3	4	2	2'-6"			
4V4	4	2	2'-9"			
4V5	4	2 2	3'-2"			
4V6	4		3'-4"			
4F1	4	2	12'-0"			
4F2	4	2	7'-6"			
5F3	5	1	11'-9"			
L	OOP AS	SSEMBL	Υ			
6D1	6	1	8'-5"			
6D2	6	1	7'-7"			
6D3	6	1	8'-6"			
		•	•			



LOOP BAR ASSEMBLY





DETAIL "C" BENT BAR DETAIL

2" MIN. CLEAR

2" MIN. CLEAR

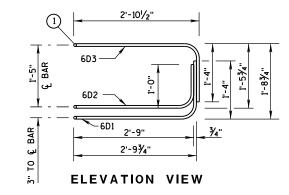
4V BARS
2 AT EACH SIZE REQUIRED
FOR STIRRUP ASSEMBLY

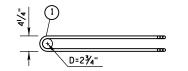
TAPER BARRIER SECTION

## BARRIER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER SECTION)

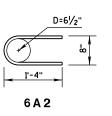
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4A1	4	12	6'-0"
6A2	6	6	2'-11"
5B1	5	3	12'-2"
4C1	4	2	12'-2"
L	OOP AS	SSEMBL	Υ
6D1	6	2	8'-5"
6D2	6	2	7'-7"
6D3	6	2	8'-6"

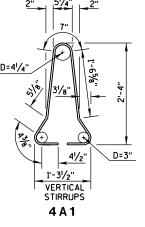




PLAN VIEW Loop bar assembly

(MARKED END SHOWN, INVERT FOR OTHER END)



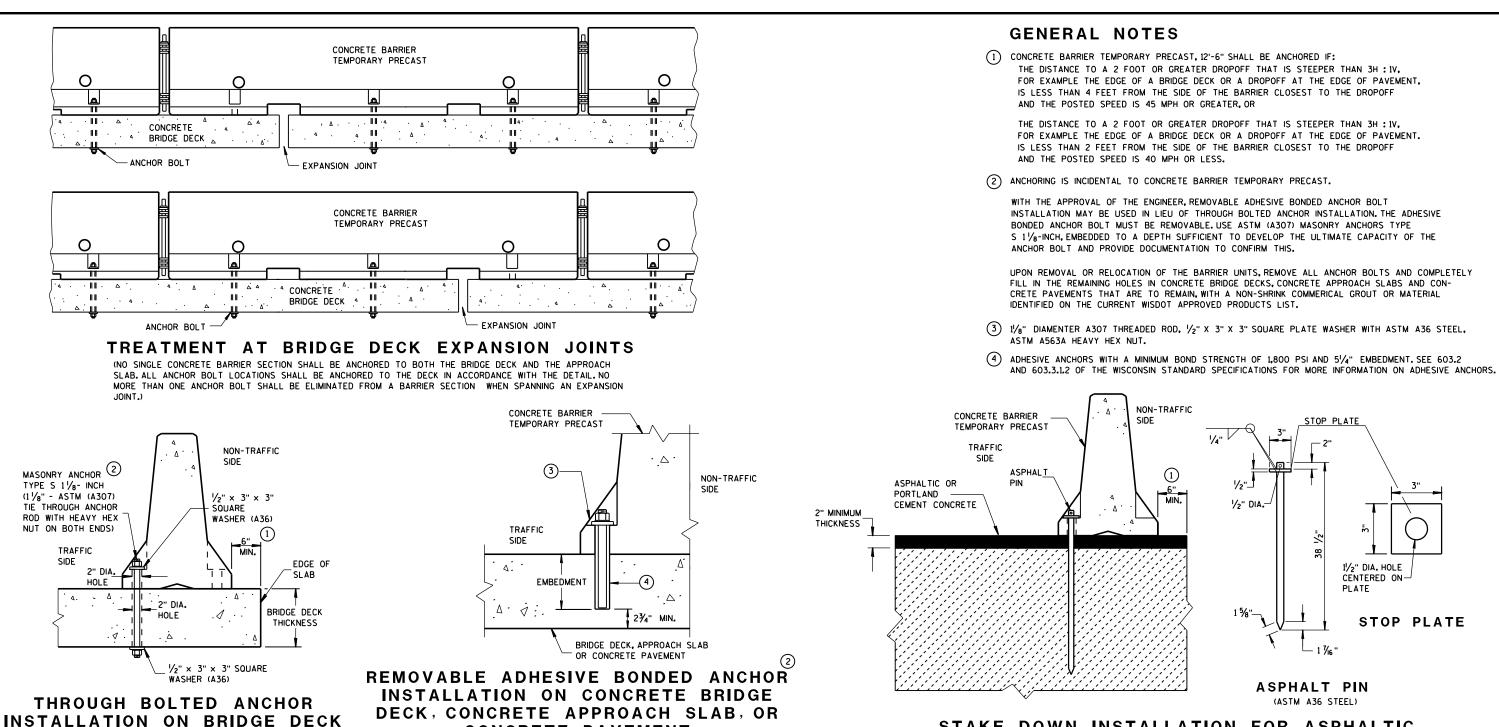


### BARRIER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

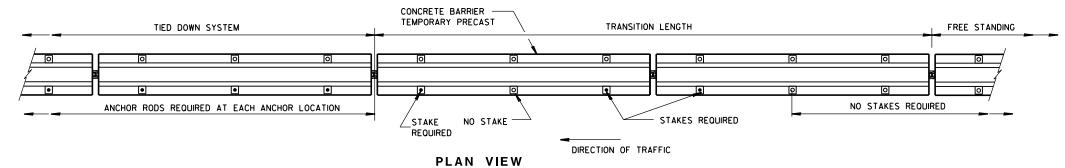
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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### STAKE DOWN INSTALLATION FOR ASPHALTIC OR PORTLAND CEMENT CONCRETE SURFACE

(STAKING IS INCIDENTAL TO CONCRETE BARRIER TEMPORARY PRECAST)



**CONCRETE PAVEMENT** 

(DO NOT USE ON CONCRETE WITH AN ASPHALTIC OVERLAY)

FREE STANDING TRANSITION TO TIED-DOWN SYSTEM

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(DO NOTUSE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY)

(PLACE TRANSITION IN A TANGENT SECTION OF BARRIER PARALLEL TO THE ROADWAY, IF TRANSITION OCCURS ON STRUCTURAL SLAB, ANCHOR AS SHOWN,)

**CONCRETE BARRIER** TEMPORARY PRECAST, 12'-6"

11/2" DIA. HOLE

CENTERED ON-

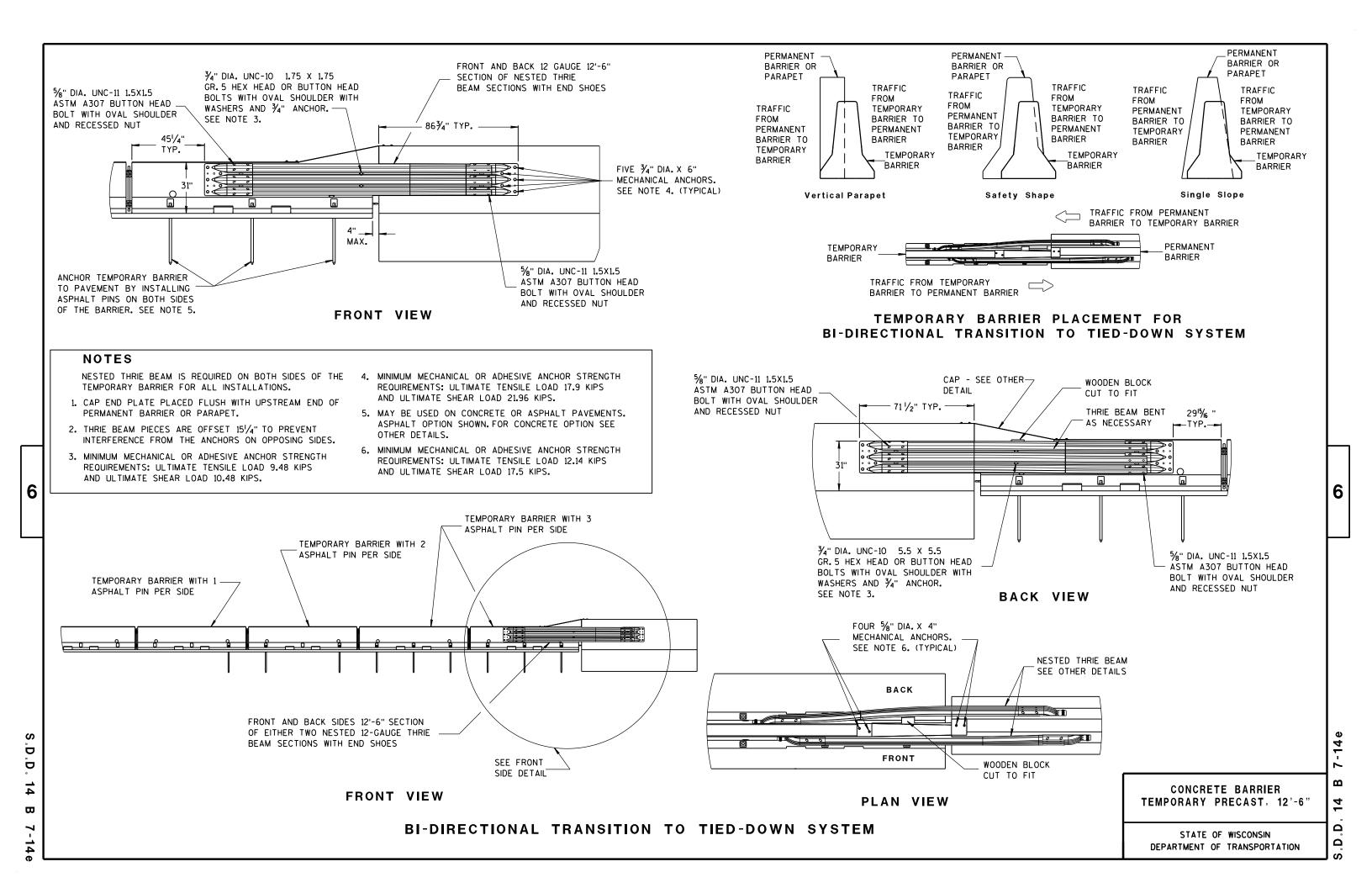
STOP PLATE

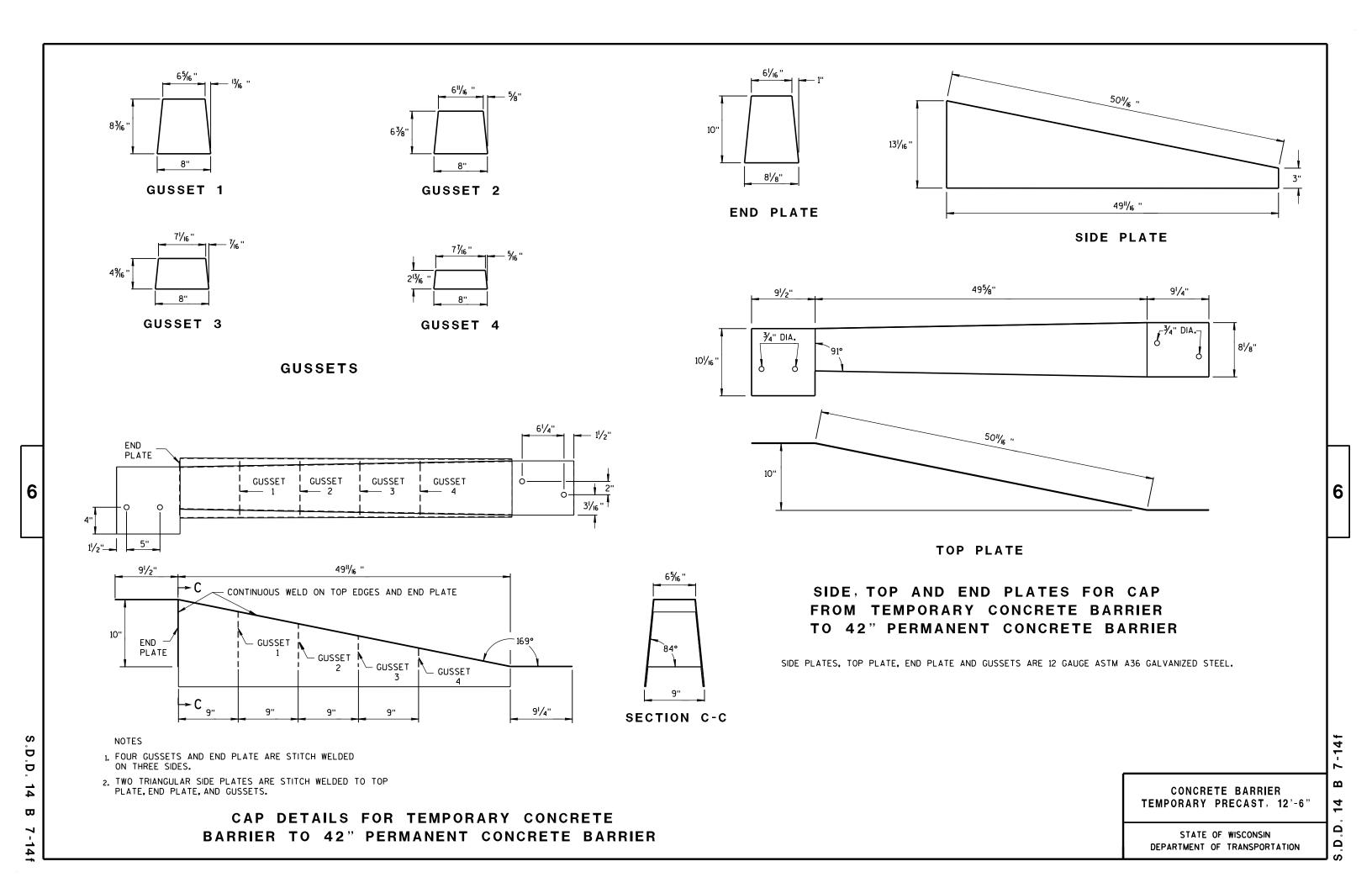
PLATE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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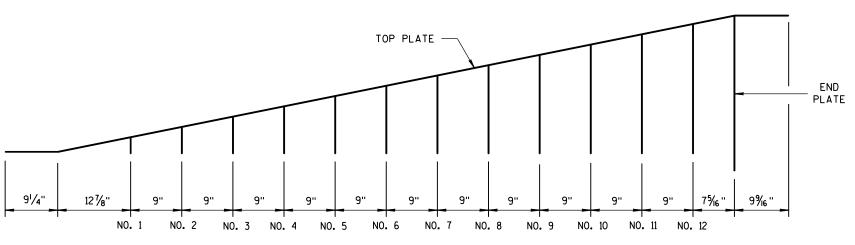
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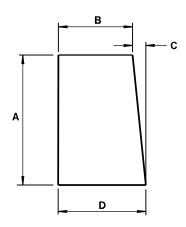
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**GUSSET LOCATION** 

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER



**GUSSETS 1 - 12** 

ALL GUSSETS 1/8" STEEL PLATE

GUSSET DIMENSIONS								
GUSSET No.	A	В	С	D				
1	21/8"	73/4"	1/4"	8				
2	4"/16 "	7% "	1/2"	8				
3	61/2"	73/8"	11/16 "	81/16 "				
4	85/16"	73/16"	7∕8"	8½ <sub>6</sub> "				
5	101/8"	7"	1 ½ <sub>6</sub> "	81/16 "				
6	11 <sup>15</sup> / <sub>16</sub> ''	6 <sup>13</sup> / <sub>16</sub> "	1 1/4"	81/16"				
7	13¾"	65%"	1 ½6"	81/16"				
8	15% "	6¾6"	1 % "	81/16"				
9	173/8"	61/4"	1 <sup>13</sup> / <sub>16</sub> ''	8½6"				
10	193/6"	6½ <sub>6</sub> "	1 15/16 "	81/16 "				
11	21"	57/8"	23/6"	8½ <sub>6</sub> "				
12	22 <sup>13</sup> / <sub>16</sub> "	5"/16 "	25/6"	81/16"				

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 STEEL AND GALVANIZED.

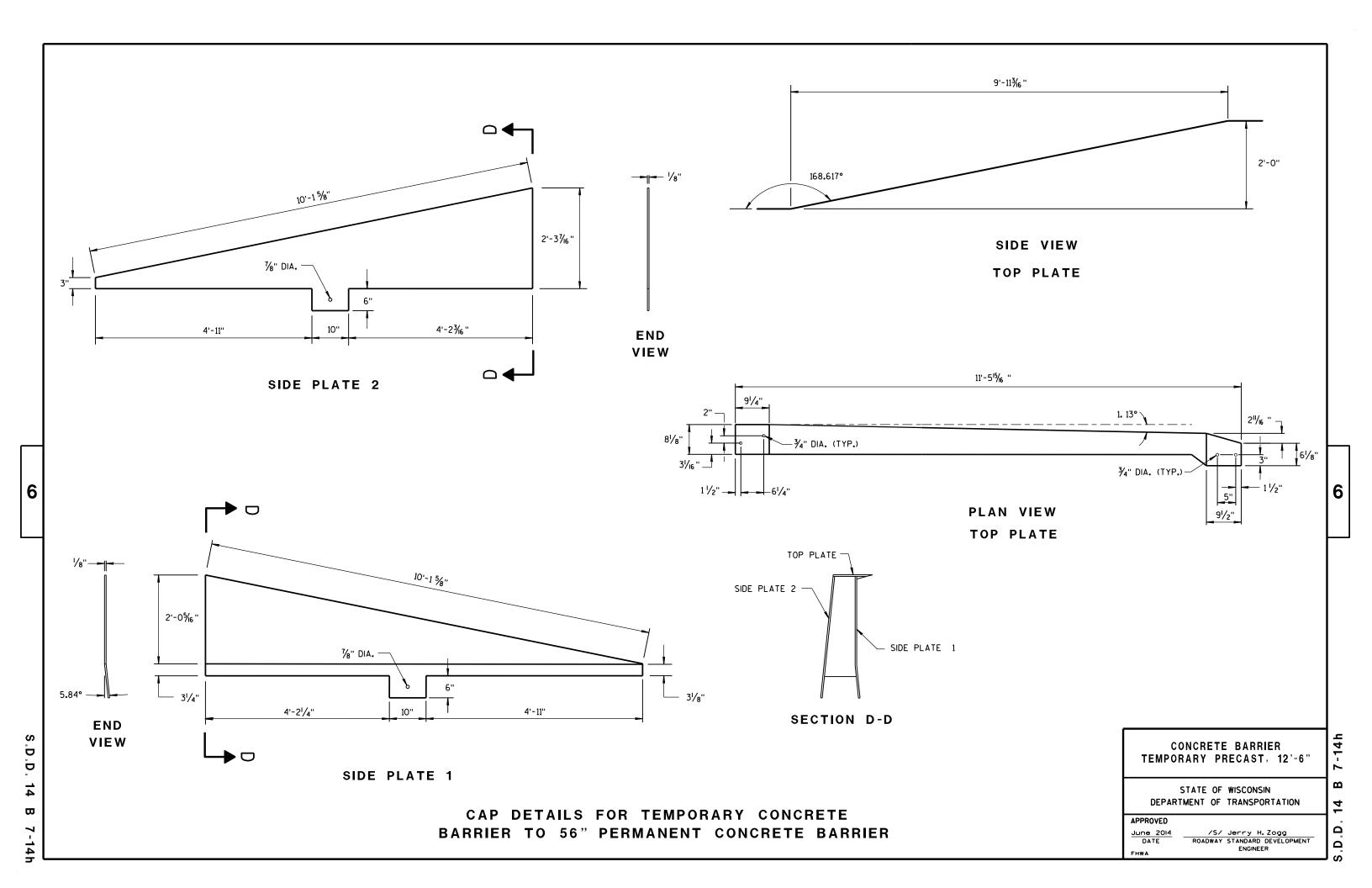
GUSSETS AND END PLATE ARE STITCH WELDED ON 3 SIDES. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE AND GUSSETS.

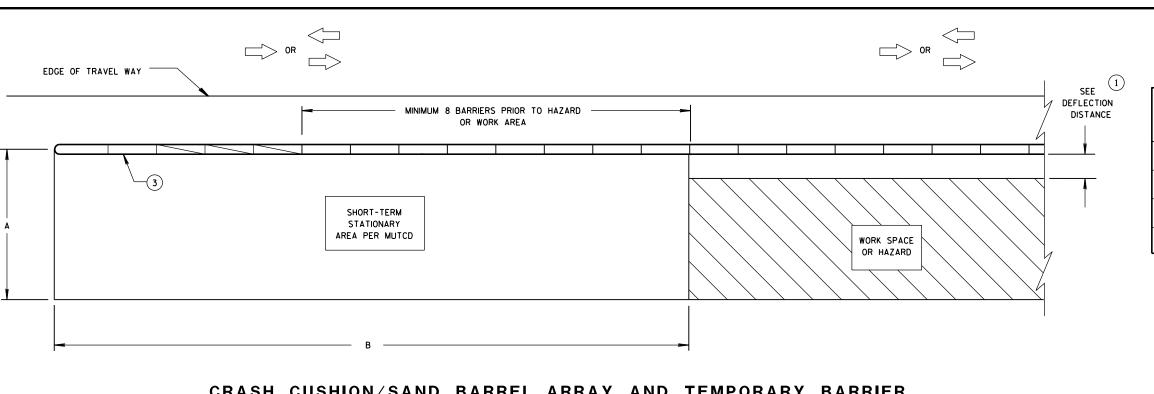
> CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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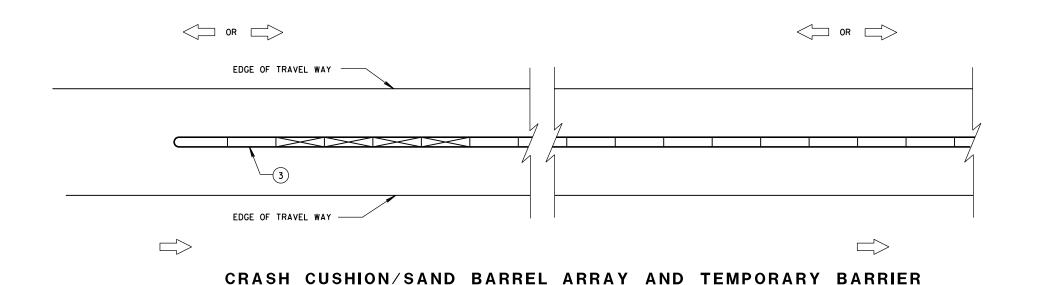
### DIMENSION A TABLE (2)

		DIMENSION A			
FACILITY	POSTED SPEED MPH	MIN. FT	MAX. FT		
FREEWAY/EXPRESSWAY	ALL	15	20		
NON-FREEWAY/EXPRESSWAY	GREATER THAN OR EQUAL TO 45	10	15		
NON-FREEWAY/EXPRESSWAY	LESS THAN 45	8	10		
AADT LESS THAN 1,500	ALL	8	10		

### DIMENSION B TABLE (2)

POSTED	DIMENSION
SPEEDS	В
MPH	FT
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645

### CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE OF BARRIER



INSTALLATION FOR TRAFFIC ON BOTH SIDES OF BARRIER

DIRECTION OF TRAVEL

CRASH CUSHION OR SAND BARREL ARRAY

SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS

SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS

3 PINS PLACED ON TRAFFIC SIDE OF BARRIER

OR CONCRETE PARAPET

FREE STANDING TEMPORARY BARRIER

#### LEGEND

PERMANENT CONCRETE BARRIER

### **GENERAL NOTES**

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SEE STANDARD DETAIL DRAWING 14B7 FOR MORE INFORMATION.

DETAILS PROVIDE A GENERAL LAYOUT OF TEMPORARY CONCRETE BARRIER, CRASH CUSHIONS, SAND BARREL ARRAYS AND TIE DOWN TRANSITIONS. DETAILS PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

ADDITIONAL TEMPORARY BARRIER MAY BE REQUIRED TO PROTECT TRAVELING PUBLIC FROM HAZARDS, CONTRACTOR'S OPERATIONS OR TO CONTROL TRAFFIC.

TEMPORARY BARRIER MAY BE REQUIRED TO BE ANCHORED TO PAVEMENT OR BRIDGE DECK.

FOR DETAILS ON CRASH CUSHION OR SAND BARREL ARRAYS SEE OTHER SECTIONS OF THE PLAN AND MANUFACTURE'S DETAILS.

SLOPES LEADING TO TEMPORARY BARRIER, CRASH CUSHION OR SAND BARREL ARRAY ARE 10:1 OR LESS.

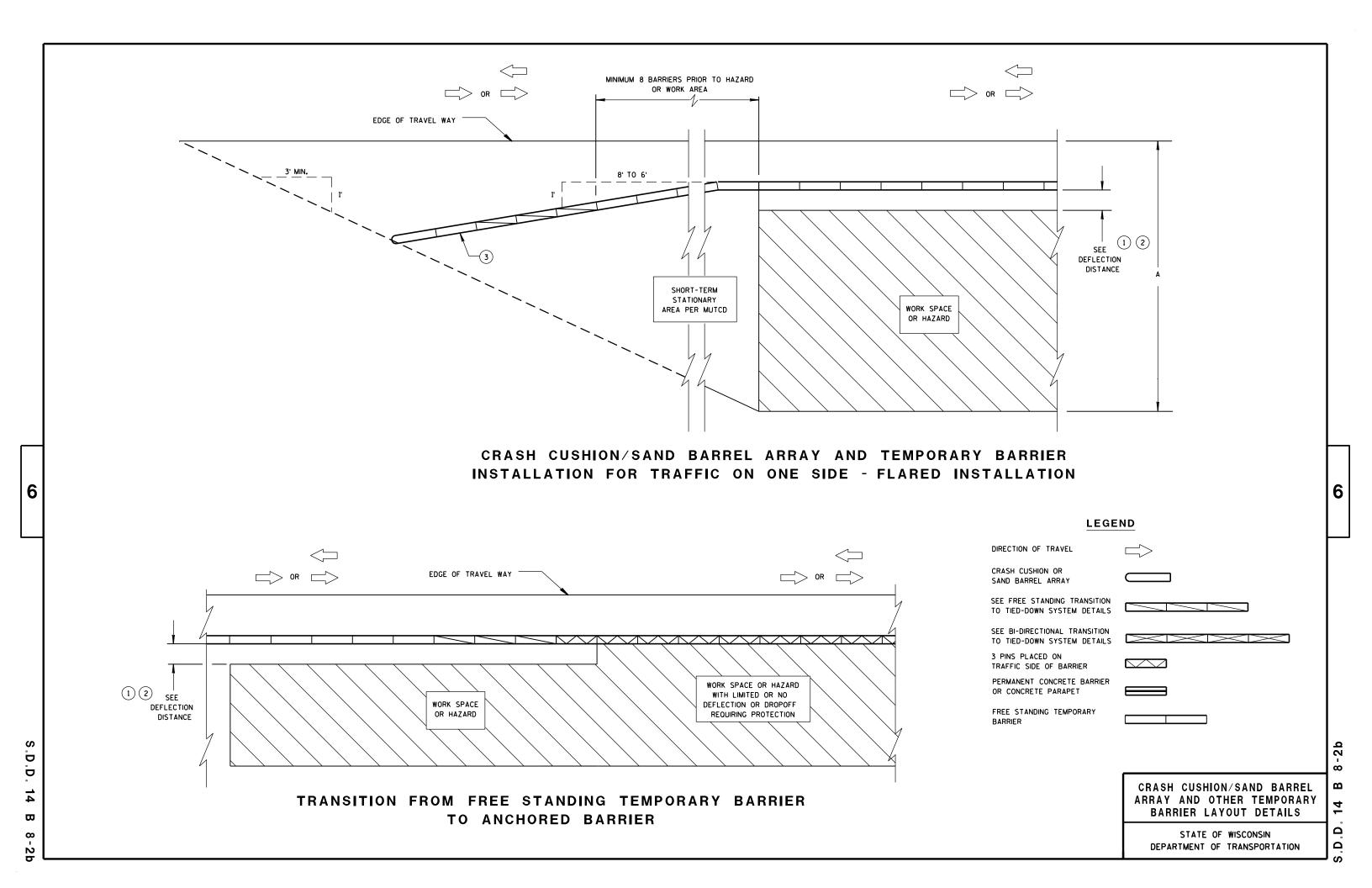
- (1) FOR DEFLECTION INFORMATION SEE STANDARD DETAIL DRAWING 14B7.
- (2) VALUES PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.
- (3) ANCHOR TEMPORARY BARRIER ACCORDING TO CRASH CUSHION OR SAND BARREL MANUFACTURER'S RECOMMENDATIONS. IF MANUFACTURER'S RECOMMENDATIONS ARE NOT PROVIDED, ANCHOR 3 PINS ON TRAFFIC SIDE.

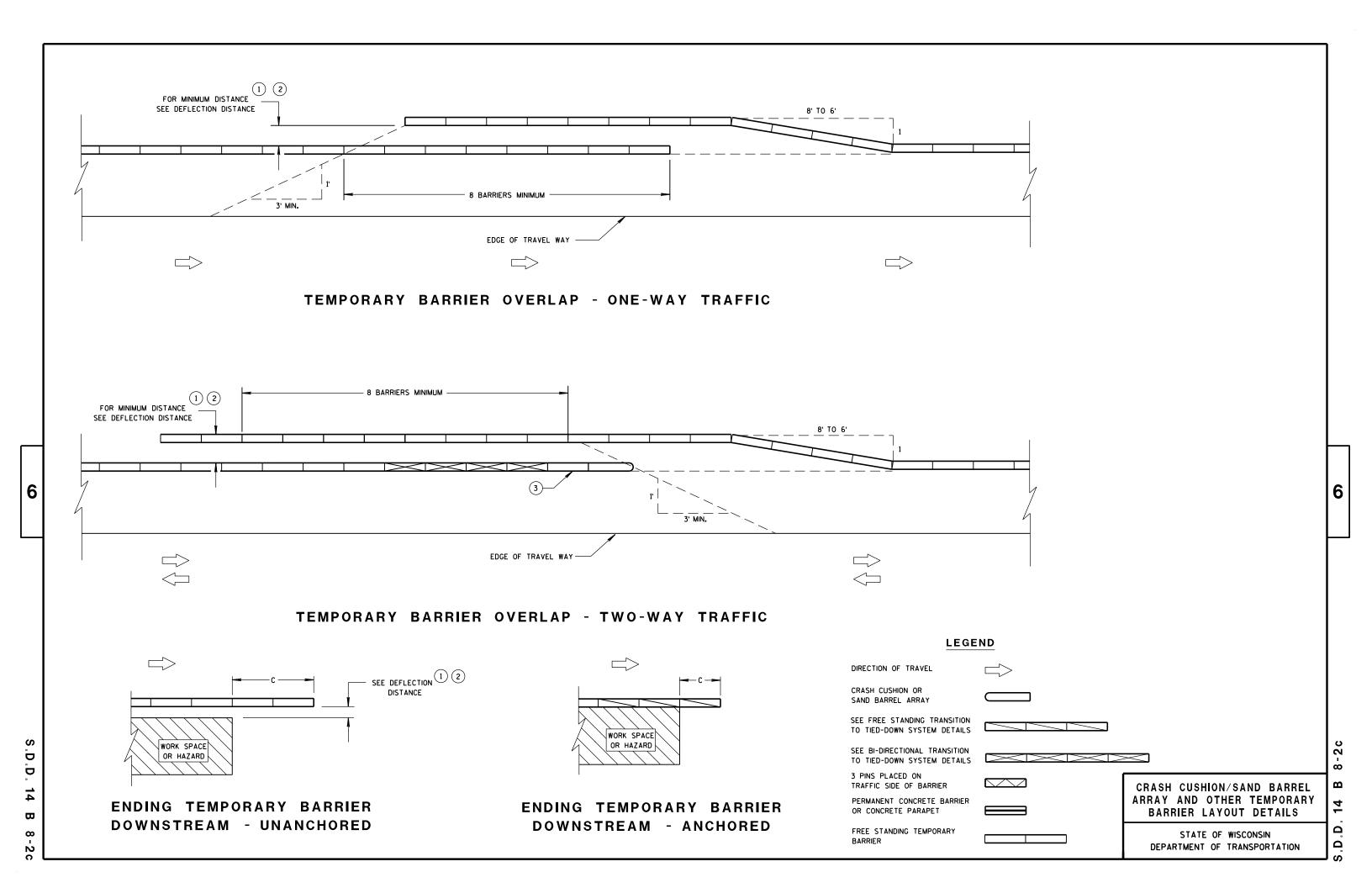
CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

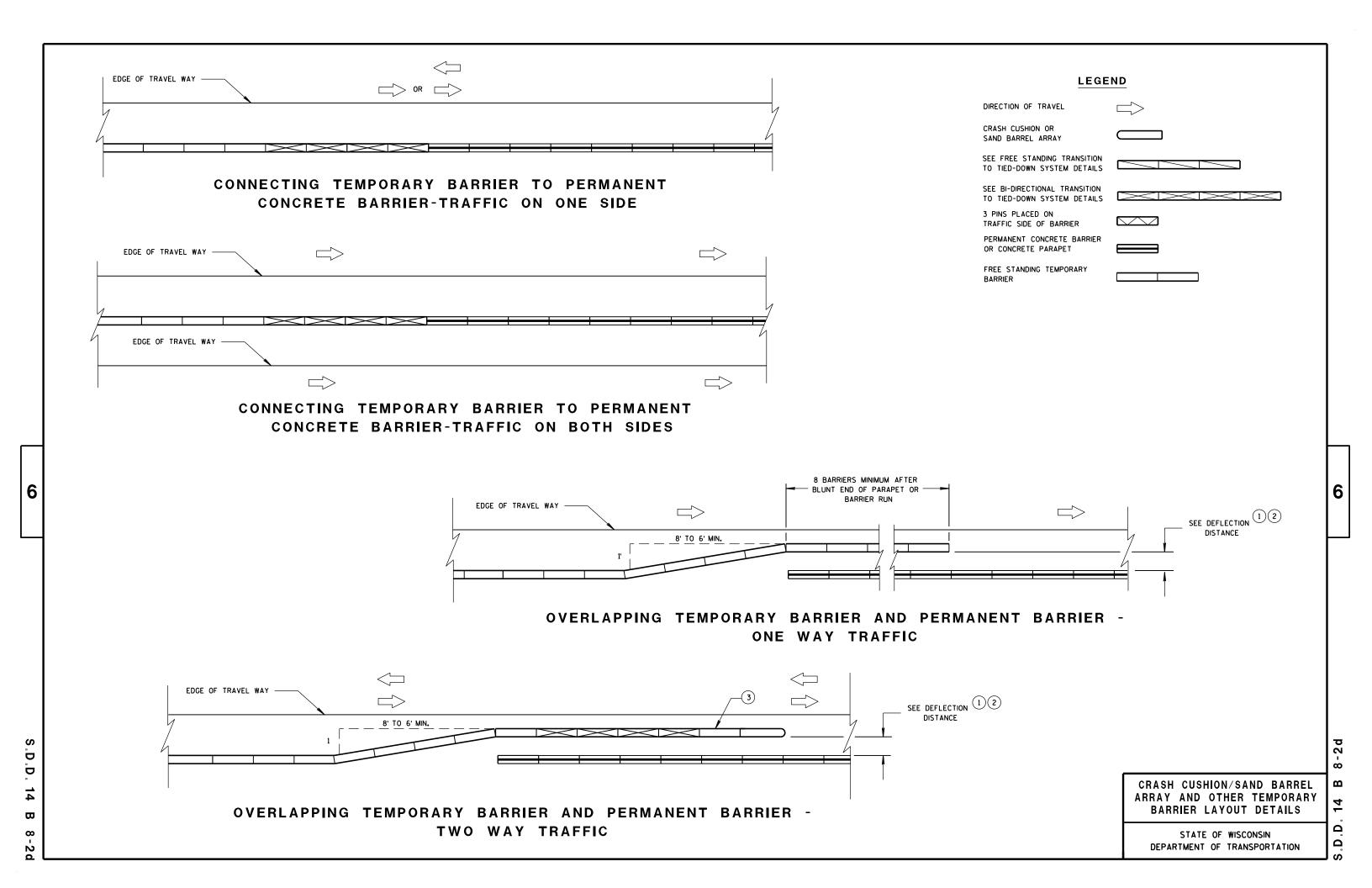
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 6

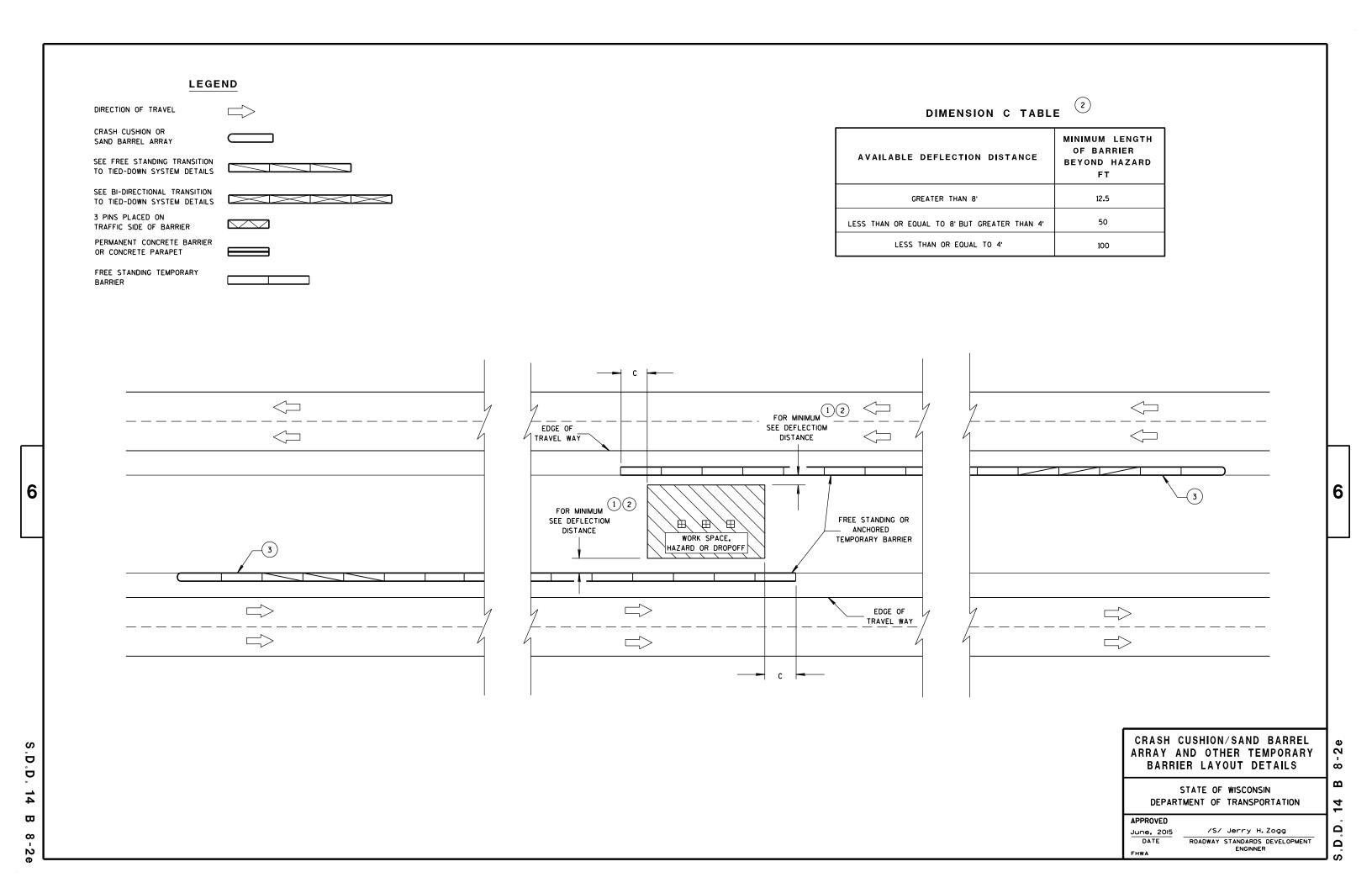
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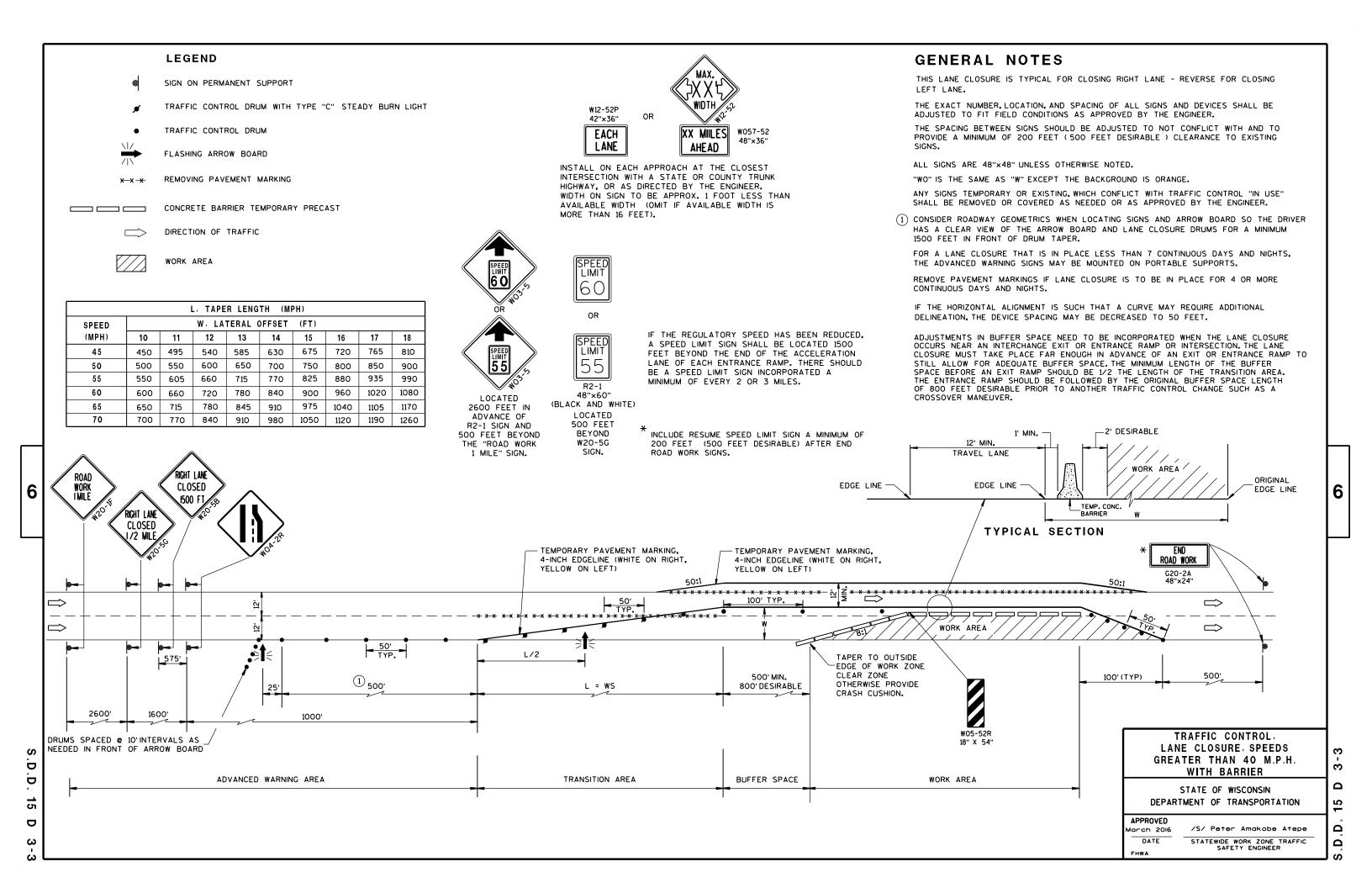




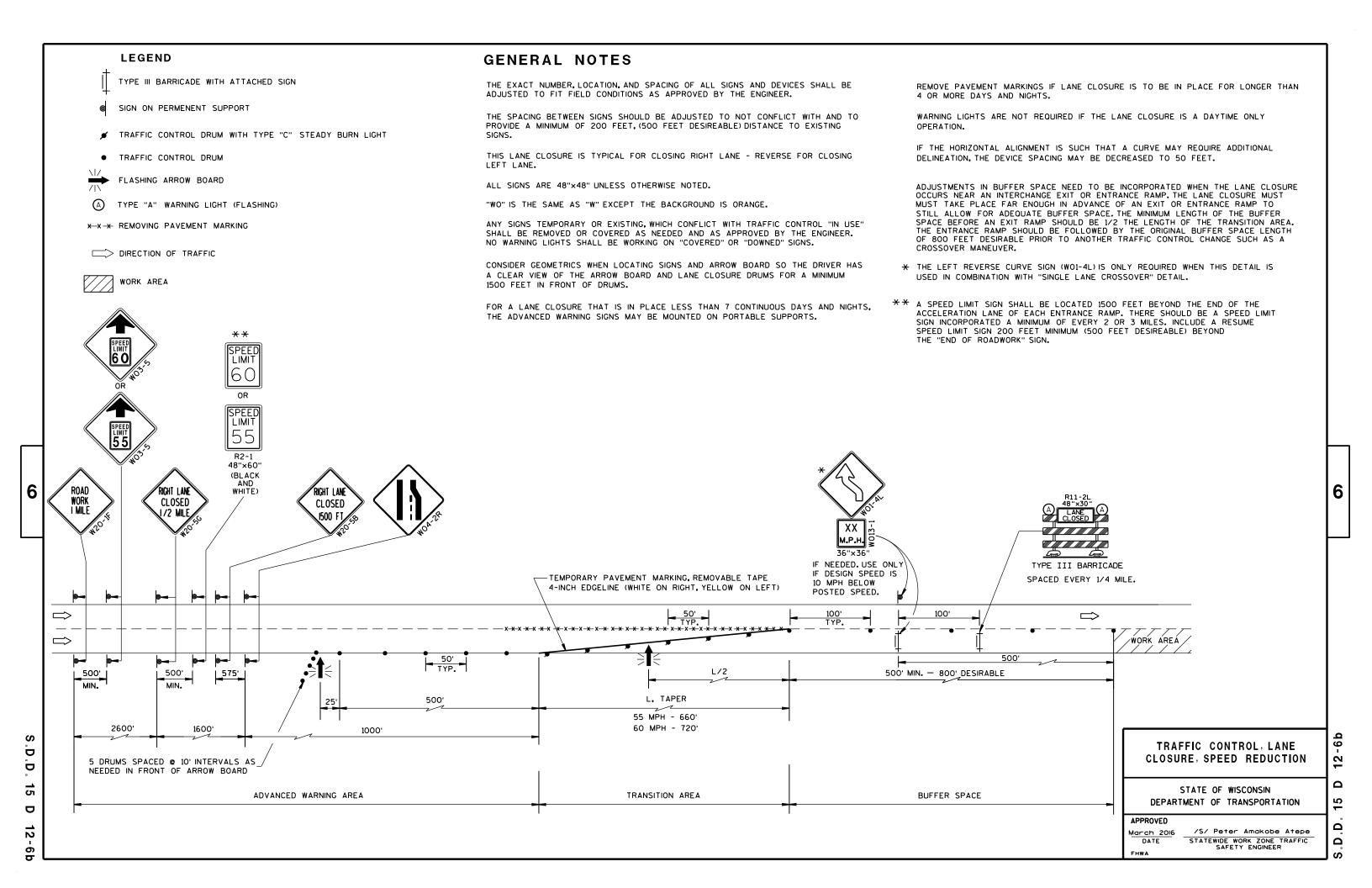


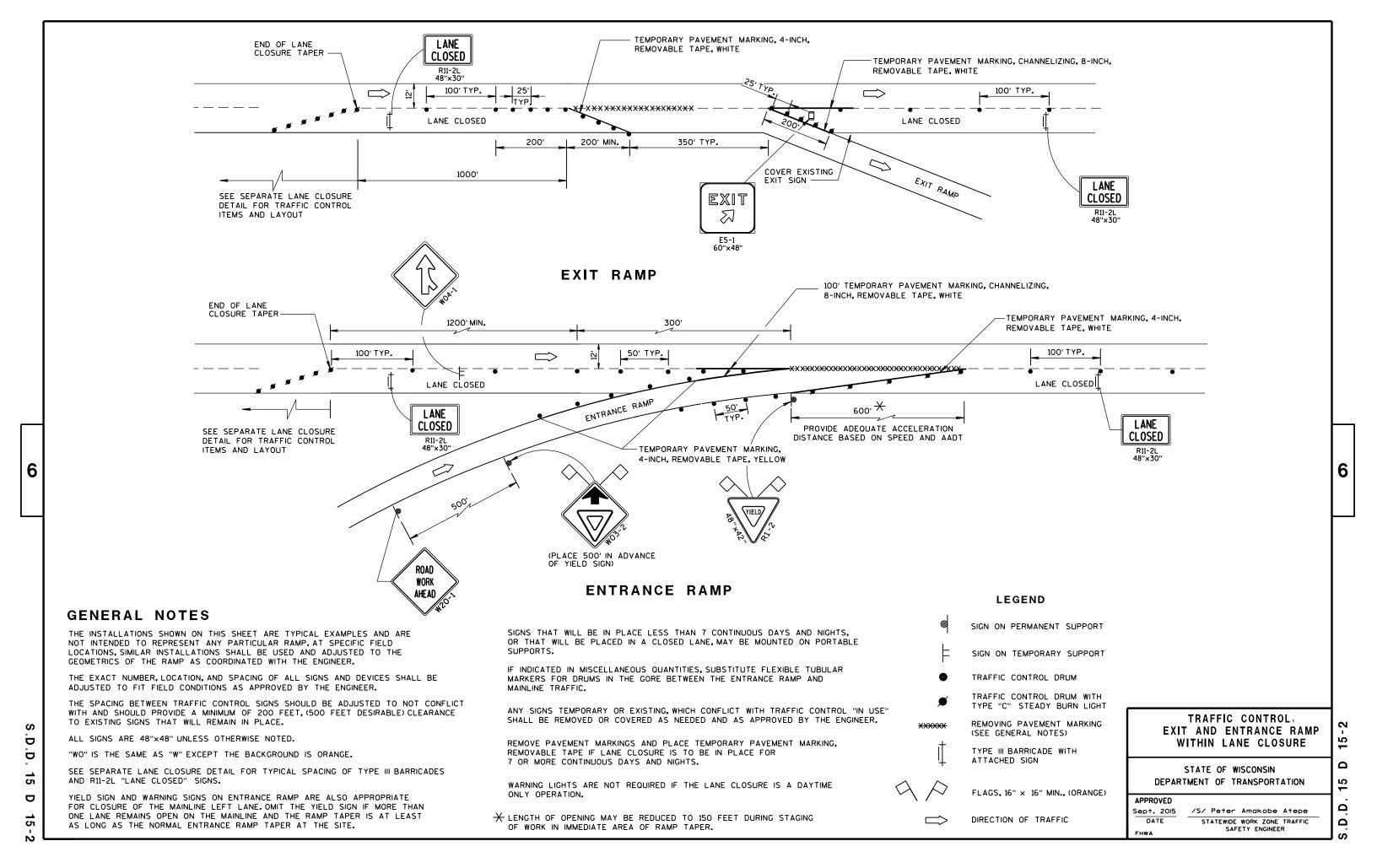


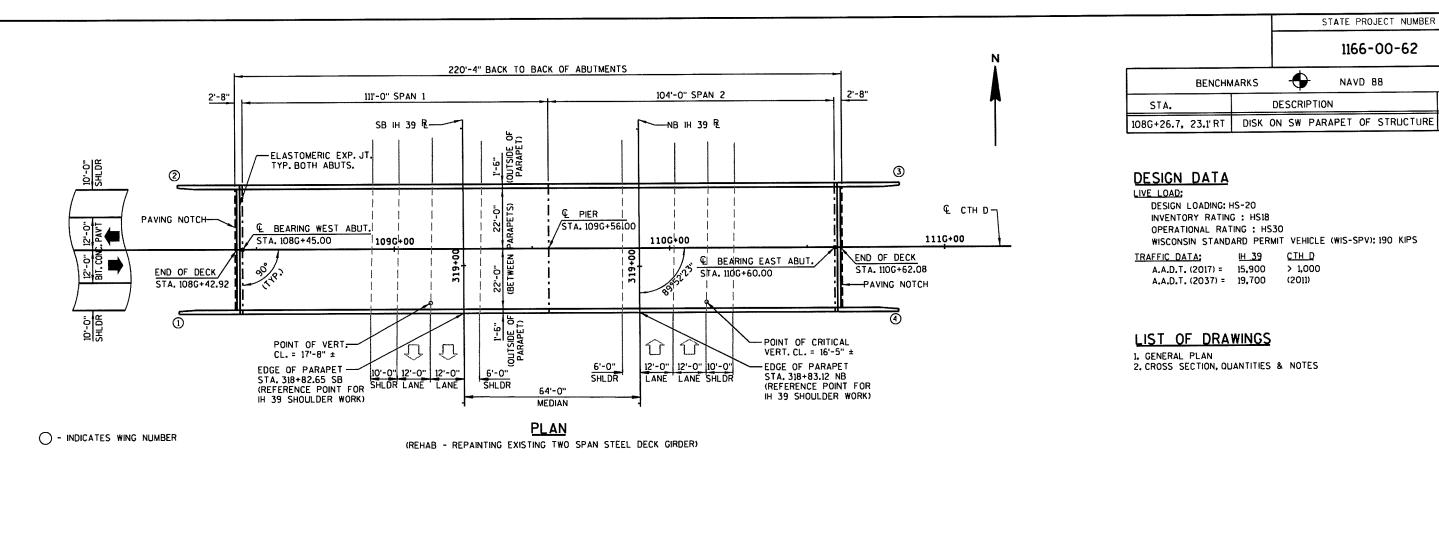




#### **GENERAL NOTES LEGEND** THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. 4 OR MORE DAYS AND NIGHTS. TYPE III BARRICADE WITH ATTACHED 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 Δ 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







48" PLATE GIRDERS

SLOPED FACE-

BY NO. DATE REVISION TRANSPORTATION - MUNICIPAL DEVELOPMENT . ENVIRONMENTAL 1230 South Boulevard Baraboo, WI 53913 608-356-2771 1-800-362-4505 Fax: 608-356-2770 PROFESSIONAL SERVICES STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION D William C. Dichie SOR 05/09/16
CHIEF STRUCTURES DESIGN ENGINEER DATE ACCEPTED\_ STRUCTURE B-49-42 CTH D OVER IH 39 TOWN/CITY/VILLAGE PINE GROVE COUNTY

JRS

STATE PROJECT NUMBER

1166-00-62

ELEV.

1120.78

NAVD 88

DESCRIPTION

WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 190 KIPS

<u>CTH D</u>

> 1.000

(2011)

BENCHMARKS

DESIGN LOADING: HS-20

INVENTORY RATING: HS18

A.A.D.T. (2017) = 15,900

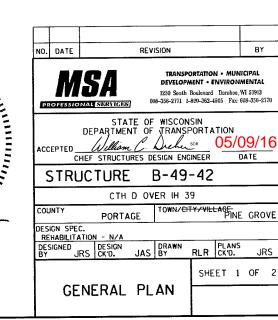
A.A.D.T. (2037) = 19,700

OPERATIONAL RATING : HS30

IH 39

STA.

- ELASTOMERIC EXP. JT. TYP. BOTH ABUTMENTS



ABRASIVE BLAST AND REPAINT ALL-

1166-00-62

### TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	TOTAL
517.1800.S.01	STRUCTURE REPAINTING RECYCLED ABRASIVE STRUCTURE B-49-42	LS	1
517.4500.S.01	NEGATIVE PRESSURE CONTAINMENT AND COLLECTION OF WASTE MATERIALS STRUCTURE B-49-42	LS	1
517.6001.S	PORTABLE DECONTAMINATION FACILITY	EACH	1

(LOOKING EAST)

### GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

SEE ROAD PLANS FOR TRAFFIC CONTROL.

DIMENSIONS AND STATIONING SHOWN ARE BASED ON ORIGINAL PLANS.

VERTICAL CLEARANCES TAKEN FROM HSI ON 3/30/2016.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE NOT SHOWN.

IMPROVEMENTS INCLUDE REPAINTING ALL EXISTING STRUCTURAL STEEL AREAS (NOT INCLUDING BEARINGS).

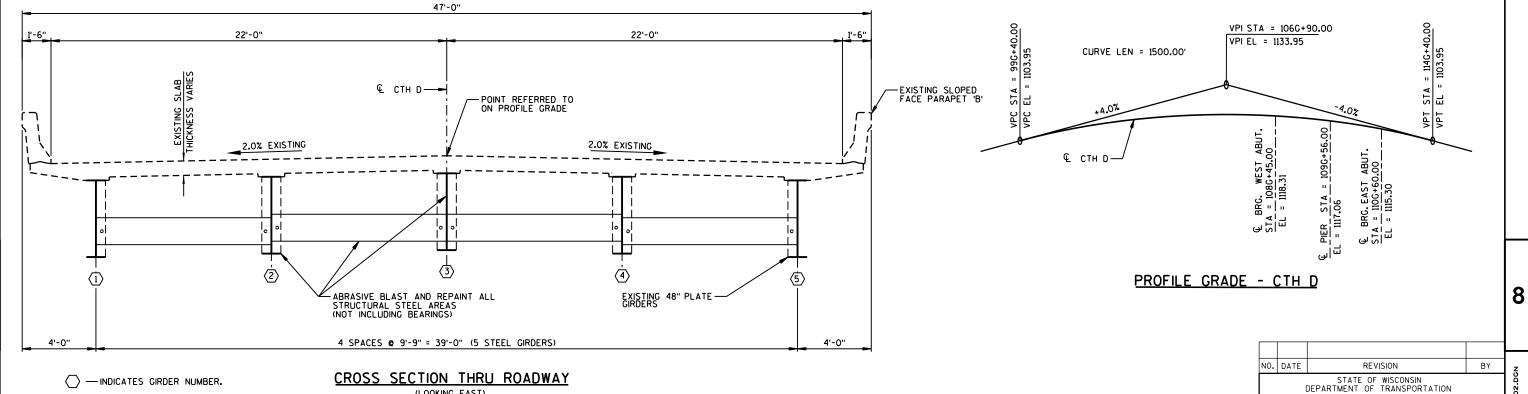
STRUCTURE

CROSS SECTION, QUANTITIES & NOTES

THIS PROJECT WILL REHABILITATE THE EXISTING STRUCTURE, B-49-42, A TWO SPAN, 220.33 FOOT LONG, STEEL DECK GIRDER BRIDGE SET ON FULL RETAINING 'A4' CONCRETE ABUTMENTS AND A MULTI-COLUMN PIER.

ESTIMATED STRUCTURAL STEEL SURFACE AREA = 17,000 SF.

THE COLOR OF THE FINISH EPOXY TOP COAT FOR ALL STRUCTURAL STEEL AREAS SHALL BE LIGHT GRAY (FEDERAL COLOR NO. 26293).

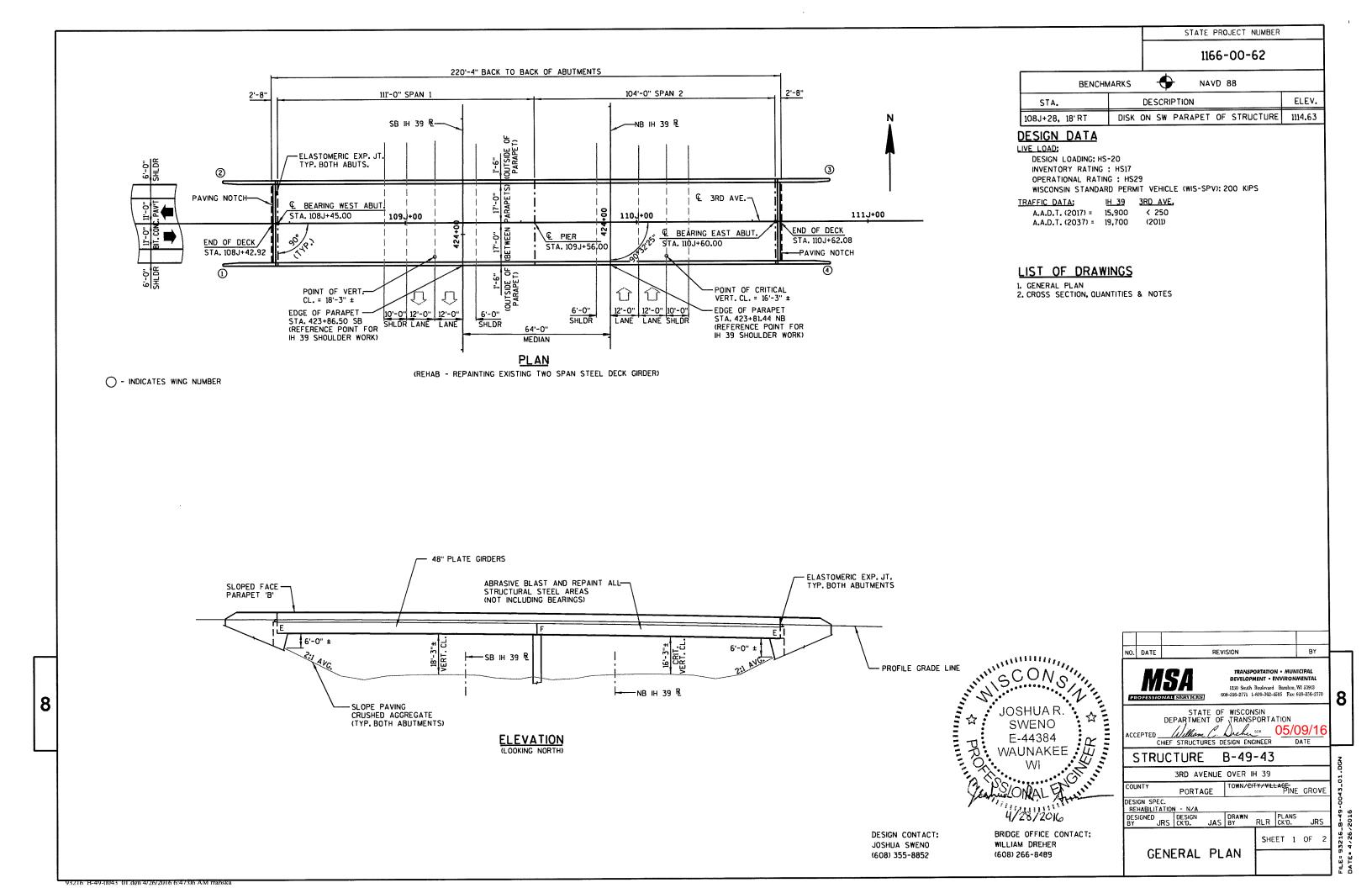


JRS

SHEET 2 OF 2

B-49-42

DRAWN BY RLR



### TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	TOTAL
517.1800.S.02	STRUCTURE REPAINTING RECYCLED ABRASIVE STRUCTURE B-49-43	LS	1
517.4500.S.02	NEGATIVE PRESSURE CONTAINMENT AND COLLECTION OF WASTE MATERIALS STRUCTURE B-49-43	LS	1
517.6001.S	PORTABLE DECONTAMINATION FACILITY	EACH	1

### 37'-0" 17'-0" 17'-0" -EXISTING SLOPED FACE PARAPET 'B' € 3RD AVE.— -POINT REFERRED TO ON PROFILE GRADE 2.0% EXISTING 2.0% EXISTING EXISTING 48" PLATE - ABRASIVE BLAST AND REPAINT ALL STRUCTURAL STEEL AREAS (NOT INCLUDING BEARINGS) 3'-101/2" 3 SPACES @ 9'-9" = 29'-3" (4 STEEL GIRDERS) 3'-101/2" CROSS SECTION THRU ROADWAY

(LOOKING EAST)

### **GENERAL NOTES**

DRAWINGS SHALL NOT BE SCALED.

SEE ROAD PLANS FOR TRAFFIC CONTROL.

DIMENSIONS AND STATIONING SHOWN ARE BASED ON ORIGINAL PLANS.

VERTICAL CLEARANCES TAKEN FROM HSI ON 3/30/2016.

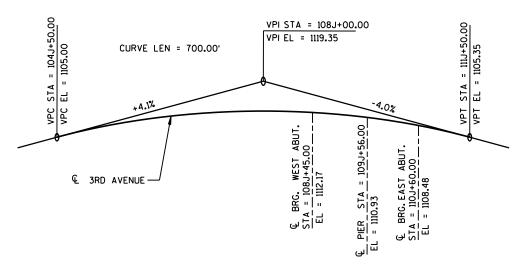
THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE NOT SHOWN.

IMPROVEMENTS INCLUDE REPAINTING ALL EXISTING STRUCTURAL STEEL AREAS (NOT INCLUDING BEARINGS).

THIS PROJECT WILL REHABILITATE THE EXISTING STRUCTURE, B-49-43, A TWO SPAN, 220.33 FOOT LONG, STEEL DECK GIRDER BRIDGE SET ON FULL RETAINING 'A4'CONCRETE ABUTMENTS AND A MULTI-COLUMN PIER.

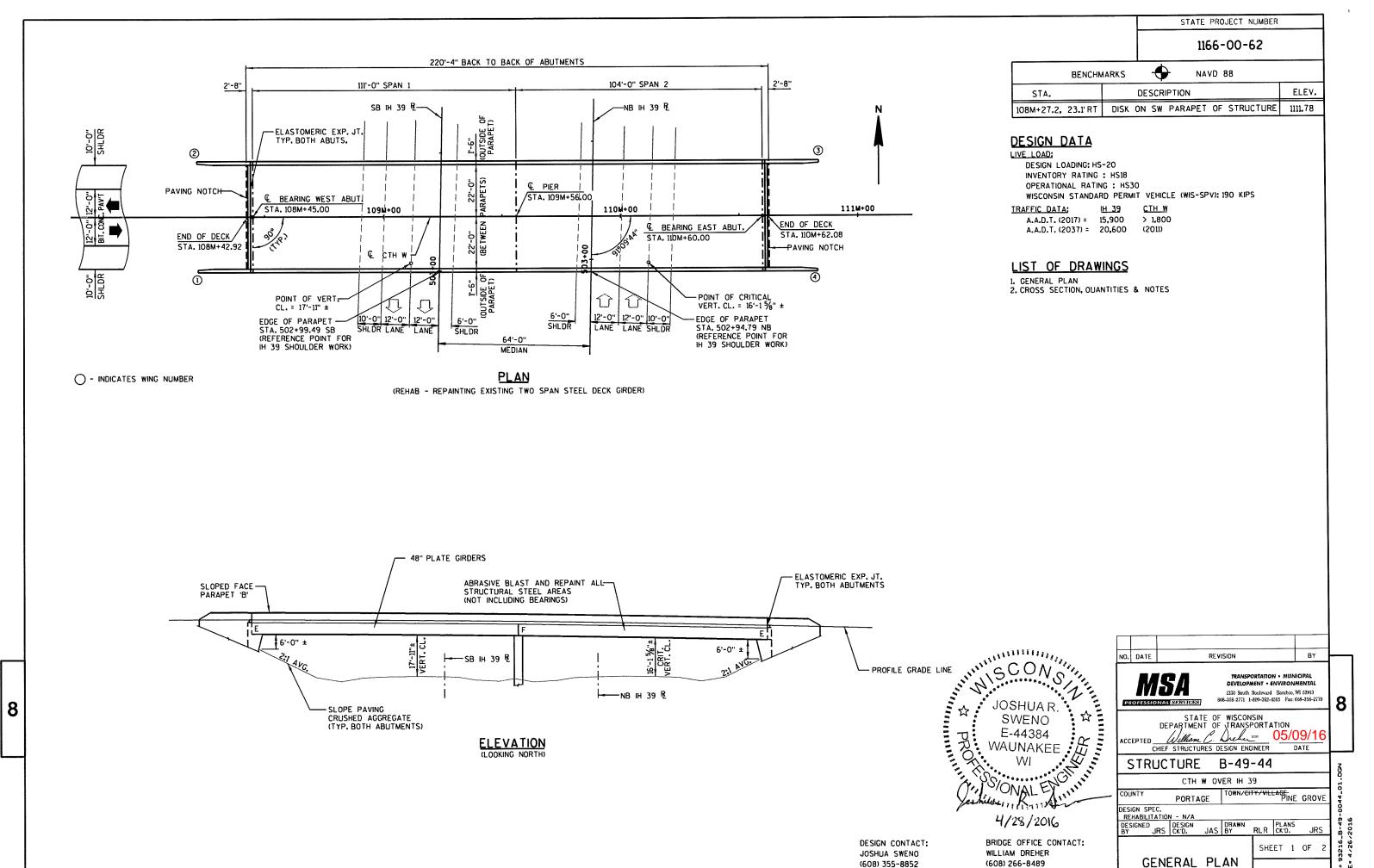
ESTIMATED STRUCTURAL STEEL SURFACE AREA = 12,500 SF.

THE COLOR OF THE FINISH EPOXY TOP COAT FOR ALL STRUCTURAL STEEL AREAS SHALL BE LIGHT GRAY (FEDERAL COLOR NO. 26293).



### PROFILE GRADE - 3RD AVENUE

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·	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION						3-02.DGN
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(608) 355-8852

1166-00-62

### TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	TOTAL
517.1800.S.03	STRUCTURE REPAINTING RECYCLED ABRASIVE STRUCTURE B-49-44	LS	1
517.4500.S.03	NEGATIVE PRESSURE CONTAINMENT AND COLLECTION OF WASTE MATERIALS STRUCTURE B-49-44	LS	1
517.6001.S	PORTABLE DECONTAMINATION FACILITY	EACH	1

### GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

SEE ROAD PLANS FOR TRAFFIC CONTROL.

DIMENSIONS AND STATIONING SHOWN ARE BASED ON ORIGINAL PLANS.

VERTICAL CLEARANCES TAKEN FROM HSI ON 3/30/2016.

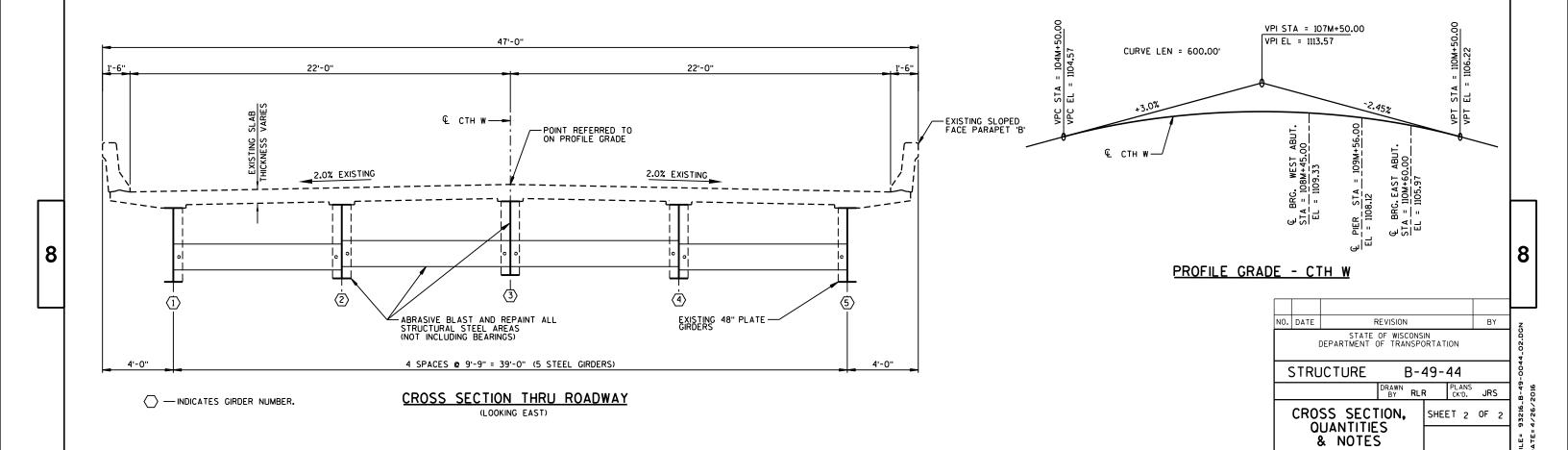
THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE NOT SHOWN.

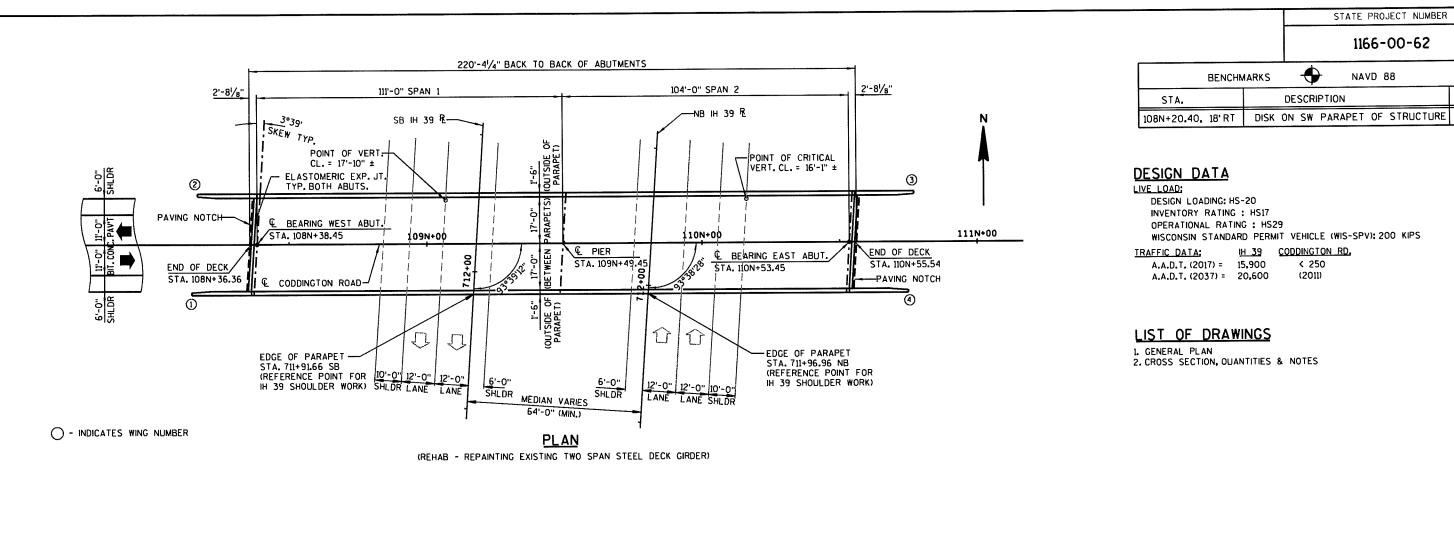
IMPROVEMENTS INCLUDE REPAINTING ALL EXISTING STRUCTURAL STEEL AREAS (NOT INCLUDING BEARINGS).

THIS PROJECT WILL REHABILITATE THE EXISTING STRUCTURE, B-49-44, A TWO SPAN, 220.33 FOOT LONG, STEEL DECK GIRDER BRIDGE SET ON FULL RETAINING 'A4' CONCRETE ABUTMENTS AND A MULTI-COLUMN PIER.

ESTIMATED STRUCTURAL STEEL SURFACE AREA = 17,000 SF.

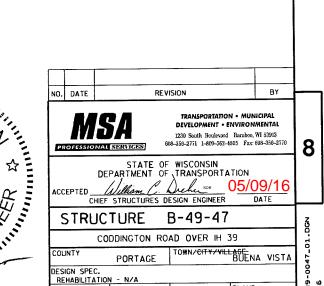
THE COLOR OF THE FINISH EPOXY TOP COAT FOR ALL STRUCTURAL STEEL AREAS SHALL BE LIGHT GRAY (FEDERAL COLOR NO. 26293).





ELASTOMERIC EXP. JT.

TYP, BOTH ABUTMENTS



GENERAL PLAN

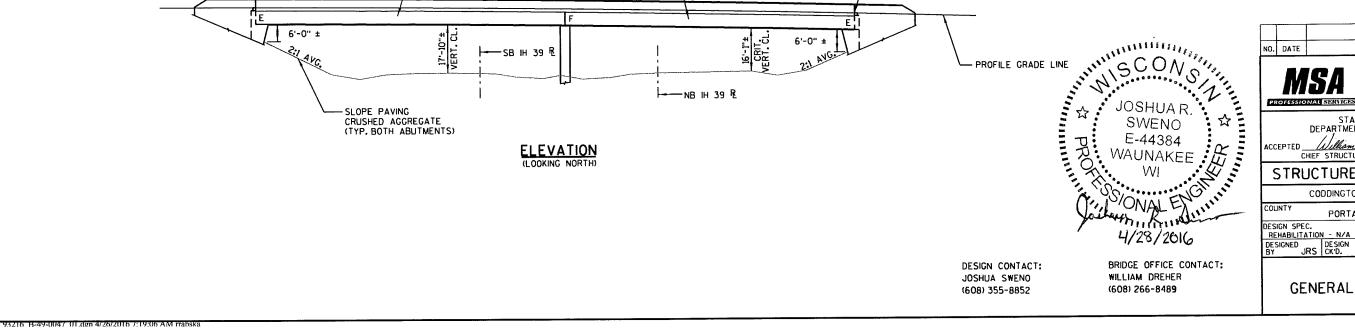
JAS BY RLR CK'D.

JRS

SHEET 1 OF 2

ELEV.

1101.88



ABRASIVE BLAST AND REPAINT ALL-

STRUCTURAL STEEL AREAS (NOT INCLUDING BEARINGS)

48" PLATE GIRDERS

SLOPED FACE -

### TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	TOTAL
517.1800.S.04	STRUCTURE REPAINTING RECYCLED ABRASIVE STRUCTURE B-49-47	LS	1
517.4500.S.04	NEGATIVE PRESSURE CONTAINMENT AND COLLECTION OF WASTE MATERIALS STRUCTURE B-49-47	LS	1
517.6001.S	PORTABLE DECONTAMINATION FACILITY	EACH	1

### 37'-0" 17'-0" 17'-0" -EXISTING SLOPED FACE PARAPET 'B' € CODDINGTON ROAD --POINT REFERRED TO ON PROFILE GRADE 2.0% EXISTING 2.0% EXISTING EXISTING 48" PLATE - ABRASIVE BLAST AND REPAINT ALL STRUCTURAL STEEL AREAS (NOT INCLUDING BEARINGS) 3'-101/2" 3 SPACES @ 9'-9" = 29'-3" (4 STEEL GIRDERS) 3'-101/2" CROSS SECTION THRU ROADWAY

(LOOKING EAST)

### **GENERAL NOTES**

DRAWINGS SHALL NOT BE SCALED.

SEE ROAD PLANS FOR TRAFFIC CONTROL.

DIMENSIONS AND STATIONING SHOWN ARE BASED ON ORIGINAL PLANS.

VERTICAL CLEARANCES TAKEN FROM HSI ON 3/30/2016.

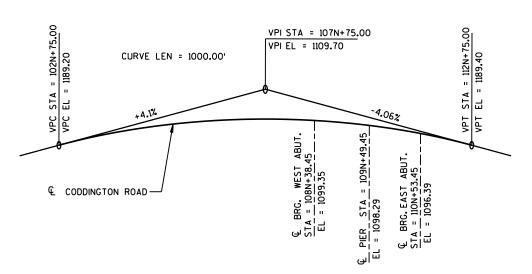
THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE NOT SHOWN.

IMPROVEMENTS INCLUDE REPAINTING ALL EXISTING STRUCTURAL STEEL AREAS (NOT INCLUDING BEARINGS).

THIS PROJECT WILL REHABILITATE THE EXISTING STRUCTURE, B-49-47, A TWO SPAN, 220.35 FOOT LONG, STEEL DECK GIRDER BRIDGE SET ON FULL RETAINING 'A4'CONCRETE ABUTMENTS AND A MULTI-COLUMN PIER.

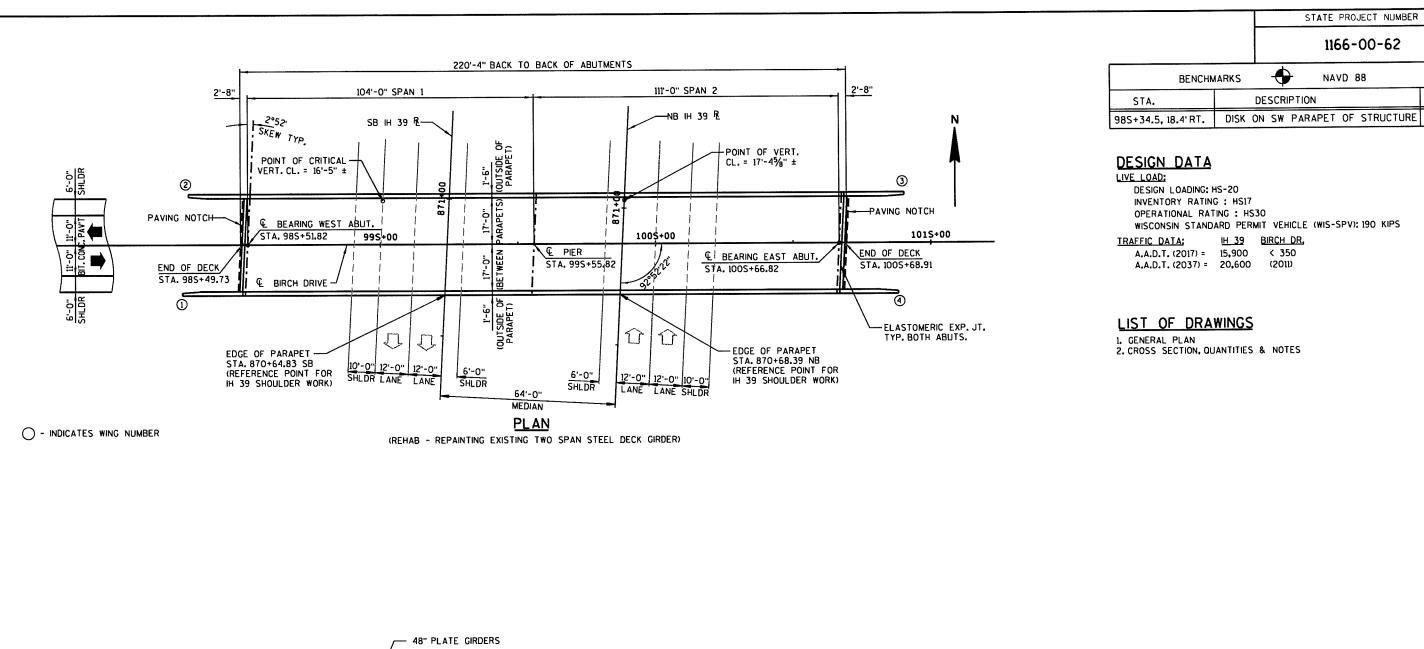
ESTIMATED STRUCTURAL STEEL SURFACE AREA = 12,500 SF.

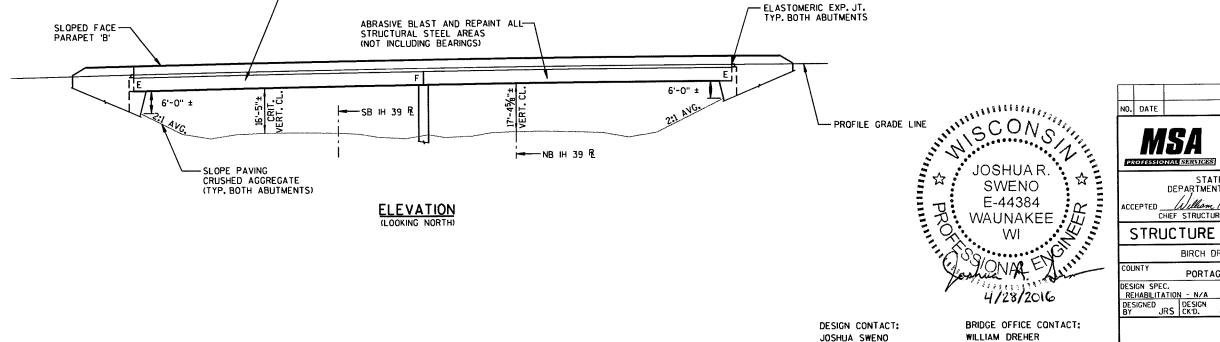
THE COLOR OF THE FINISH EPOXY TOP COAT FOR ALL STRUCTURAL STEEL AREAS SHALL BE LIGHT GRAY (FEDERAL COLOR NO. 26293).



### PROFILE GRADE - CODDINGTON ROAD

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CHIEF STRUCTURES DESIGN ENGINEER DATE STRUCTURE B-49-50 BIRCH DRIVE OVER IH 39 TOWN/CITY/VILLAGE PLOVER PORTAGE JAS BY RLR CK'D. JRS SHEET 1 OF 2 GENERAL PLAN

TRANSPORTATION · MUNICIPAL DEVELOPMENT . ENVIRO

1230 South Boulevard Baraboo, WI 53913 698-356-2771 1-800-362-4505 Fax: 608-356-2770

BY

REVISION

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

MJA

(608) 266-8489

(608) 355-8852

ELEV.

1109.60

#### TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	TOTAL
517.1800.S.05	STRUCTURE REPAINTING RECYCLED ABRASIVE STRUCTURE B-49-50	LS	1
517.4500.S.05	NEGATIVE PRESSURE CONTAINMENT AND COLLECTION OF WASTE MATERIALS STRUCTURE B-49-50	LS	1
517.6001.S	PORTABLE DECONTAMINATION FACILITY	EACH	1

### 37'-0" 17'-0" 17'-0" -EXISTING SLOPED FACE PARAPET 'B' € BIRCH DRIVE ----POINT REFERRED TO ON PROFILE GRADE 2.0% EXISTING 2.0% EXISTING EXISTING 48" PLATE - ABRASIVE BLAST AND REPAINT ALL STRUCTURAL STEEL AREAS (NOT INCLUDING BEARINGS) 3'-101/2" 3 SPACES @ 9'-9" = 29'-3" (4 STEEL GIRDERS) 3'-101/2" CROSS SECTION THRU ROADWAY

(LOOKING EAST)

### **GENERAL NOTES**

DRAWINGS SHALL NOT BE SCALED.

SEE ROAD PLANS FOR TRAFFIC CONTROL.

DIMENSIONS AND STATIONING SHOWN ARE BASED ON ORIGINAL PLANS.

VERTICAL CLEARANCES TAKEN FROM HSI ON 3/30/2016.

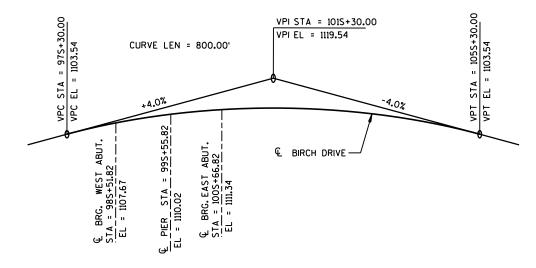
THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE NOT SHOWN.

IMPROVEMENTS INCLUDE REPAINTING ALL EXISTING STRUCTURAL STEEL AREAS (NOT INCLUDING BEARINGS).

THIS PROJECT WILL REHABILITATE THE EXISTING STRUCTURE, B-49-50, A TWO SPAN, 220.33 FOOT LONG, STEEL DECK GIRDER BRIDGE SET ON FULL RETAINING 'A4' CONCRETE ABUTMENTS AND A MULTI-COLUMN PIER.

ESTIMATED STRUCTURAL STEEL SURFACE AREA = 12,500 SF.

THE COLOR OF THE FINISH EPOXY TOP COAT FOR ALL STRUCTURAL STEEL AREAS SHALL BE LIGHT GRAY (FEDERAL COLOR NO. 26293).



PROFILE GRADE - BIRCH DRIVE

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NO.	NO. DATE REVISION					BY	$\exists$	z
	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION							93216_B-49-0050_02.DGN
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	QUANTITIES & NOTES							E =

Notes



# Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov