RHI

PROJECT WITH: N. NA

₽ 0 9 0 ∞

COUNTY:

П 5

MARCH 2019 ORDER OF SHEETS

Section No. 1 Title Section No. 2 Typical Sections and Details

Estimate of Quantities Miscellaneous Quantities Section No. 5 Plan and Profile Section No. 6 Standard Detail Drawings

Structure Plans Section No. 8

TOTAL SHEETS = 72

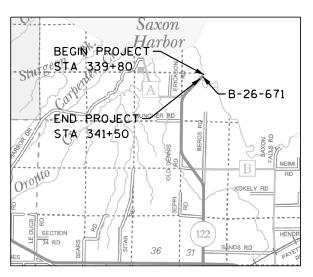
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

STATE HIGHWAY REHABILITATION-MAINTENANCE PROJECT

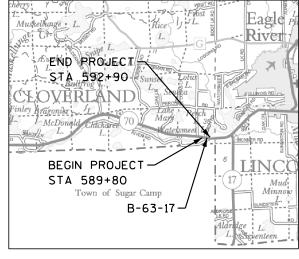
REGIONWIDE BRIDGE MAINTENANCE

LOCATIONS ON STN PER ANNUAL PLAN **VARIOUS HWY** NORTH CENTRAL REGION WIDE

> STATE PROJECT NUMBER 1009-44-68



STH 122, MONTREAL RIVER, IRON CO



STH 70, WISCONSIN RIVER, VILAS COUNTY

Town of Arbor Vitae

DESIGN DESIGNATION

D20.0.1 D20.0.1.1.0.1											
A.A.D.T.	B-43-23 RHINELANDER 8000	B-43-41 MINOCQUA 14,900	B-63-17 EAGLE RIVER 5400	B-26-671 SAXON 200							
A.A.D.T.	N/A	N/A	N/A	N/A							
D.H.V.	N/A	N/A	N/A	N/A							
D.D.	N/A	N/A	N/A	N/A							
Т.	N/A	N/A	N/A	N/A							
DESIGN SPEED	N/A	N/A	N/A	N/A							
ESALS	N/A	N/A	N/A	N/A							

CONVENTIONAL SYMBOLS

EXISTING CULVERT

(Box or Pipe)

MARSH AREA

PROPOSED CULVERT

COMBUSTIBLE FLUIDS

WOODED OR SHRUB AREA

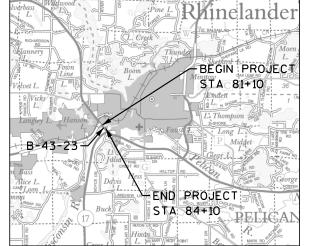
PLAN CORPORATE LIMITS PROPERTY LINE LOT LINE LIMITED HIGHWAY EASEMENT EXISTING RIGHT OF WAY PROPOSED OR NEW R/W LINE SLOPE INTERCEPT REFERENCE LINE

///////

 $--1 \equiv 1 -$

PROFILE GRADE LINE ORIGINAL GROUND MARSH OR ROCK PROFILE (To be noted as such) _ LABEL_ _ SPECIAL DITCH GRADE ELEVATION

CULVERT (Profile View) UTILITIES ELECTRIC FIBER OPTIC GAS SANITARY SEWER STORM SEWER TELEPHONE WATER UTILITY PEDESTAL Д POWER POLE ₫ TELEPHONE POLE

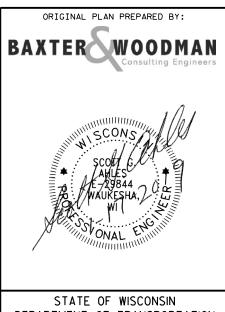


USH 8. WISCONSIN RIVER, ONEIDA CO

Woodr END PROJECT STA 430+00 Minocqua BEGIN PROJECT STA 422+30

USH 51, MINOCQUA LAKE, ONEIDA CO

SCALE: VARIES
TOTAL NET LENGTH OF CENTERLINE = 0.0 MILES



FEDERAL PROJECT

CONTRACT

PROJECT

STATE PROJECT

1009-44-68

DEPARTMENT OF TRANSPORTATION

PREPARED BY BAXTER & WOODMAN, INC JIM VOLKMANN CHERYL SIMON Regional Supervisor JED PETERS C.O. Examiner

APPROVED FOR THE DEPARTMENT 1/22/2019

DNR LIASON

JON SIMONSEN

107 SUTLIFF

(715) 367-1936

ONEIDA COUNTY WENDY HENNIGES

107 SUTLIFF

IRON & VILAS COUNTIES

RHINELANDER, WI 54501

RHINELANDER, WI 54501 (715) 365-8916

JONATHAN.SIMONSEN@WISCONSIN.GOV

WENDY.HENNIGES@WISCONSIN.GOV DNR NORTHERN REGION HEADQUARTERS

DNR NORTHERN REGION HEADQUARTERS

GENERAL NOTES

THE LOCATIONS OF EXISTING UTILITY FACILITIES WERE NOT SURVEYED AND ARE NOT SHOWN ON THE PLANS.

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY UTILITY WHICH IS NOT A MEMBER OF DIGGERS HOTLINE MUST BE CONTACTED SEPERATELY.

CONTRACTOR WILL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY THEIR OPERATIONS OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS.



UTILITY CONTACTS

B-63-0017 EAGLE RIVER

WISCONSIN PUBLIC SERVICE CORPORATION - GAS CHRIS GILMAN

2027 NAVAJO STREET, PO BOX 160

RHINELANDER, 54501

PHONE: (715) 369-7133 MOBILE: (715) 490-4153

CHRIS.GILMAN@WISCONSINPUBLICSERVICE.COM

WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRIC DON LUTZOW

PO BOX 1166 WAUSAU, WI 54402 PHONE: (715) 848-7487 MOBILE: (715) 493-7802

DONALD.LUTZOW@wisconsinpublicservice.com

FRONTIER COMMUNICATIONS OF WILLC - COMMUNICATIONS

CALVIN KLADE 1851 N 14TH AVE WAUSAU, WI 54418 PHONE: (715) 847-1525 MOBILE: (715) 573-2110

CALVIN.KLADE@FTR.COM

B-43-0023 CITY OF RHINELANDER

NO UTILITY CONFLICTS

B-26-0671 TOWN OF SAXON ECEL ENERGY - ELECTRICITY BRUCE ZEMKE 414 NICOLLET MALL MINNEAPOLIS, MN 55401

PHONE: (612) 330-7815 BRUCE.M.ZEMKE@XCELENERGY.COM

SAXON SANITARY DISTRICT 1 - SEWER STACY OFSTAD PO BOX 112 SAXON, WI 54559 PHONE: (715) 561-3266 MOBILE: (715) 562-0165 SOFSTAD@IRONCOUNTYWI.ORG

B-43-0041 TOWN OF MINOCQUA

LAKELAND SANITARY DISTRICT #1 - WATER & SEWER CARL "CULLY" AKEY

SUPERINTENDENT 8780 MORGAN ROAD MINOCQUA, WI 54548 PHONE: (715) 356-4454

CAKEYSANDIST@GMAIL.COM

WISCONSIN PUBLIC SERVICE-ELECTRIC CLAYTON VIRCKS P.O. BOX 1166 WAUSAU, WI54402 PHONE: 715-848-7317 CELL: 715-573-7806

PROJECT NO: 1009-44-68

WISCONSIN PUBLIC SERVICE CORPORATION - GAS CHRIS GILMAN

2027 NAVAJO STREET, PO BOX 160 RHINEL ANDER, 54501 PHONE: (715) 369-7133

MOBILE: (715) 490-4153 CHRIS.GILMAN@WISCONSINPUBLICSERVICE.COM

FRONTIER COMMUNICATIONS CALVIN KLADE 1851 N 14TH AVE WAUSAU, WI 54418 PHONE: (715) 847-1525 MOBILE: (715) 573-2110

CLAYTON.VIRCKS@WISCONSINPUBLICSERVICE.COM CALVIN.KLADE@FTR.COM

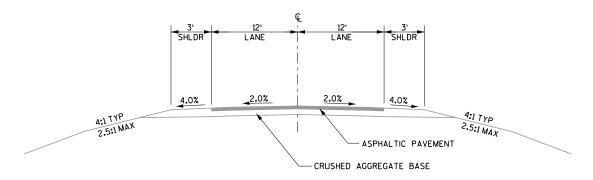
> HWY: REGIONWIDE BRIDGE MAINTENANCE COUNTY: VARIOUS

GENERAL NOTES & UTILITIES

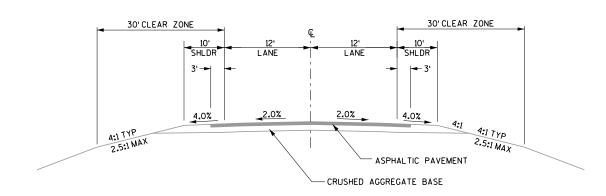
SHEET NO:

I:\Madison\WIDOT\I70589\cadd-survey\drawings\dgns\notes.dgn

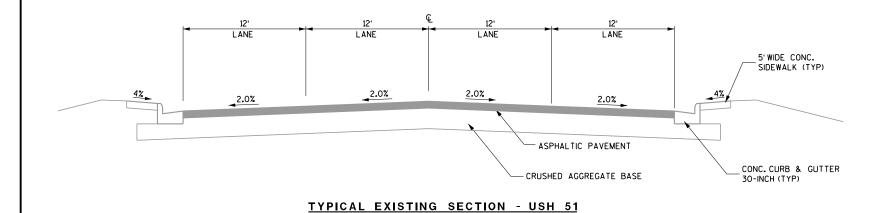
11/1/2018

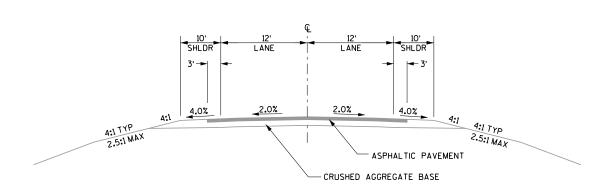


TYPICAL EXISTING SECTION - STH 122



TYPICAL EXISTING SECTION - USH 8





TYPICAL EXISTING SECTION - STH 70

ر ا

-B-43-23 PAY AS "REMOVING ASPHALTIC SURFACE BUTT JOINTS". PAVE ASPHALTIC SURFACE, 2-INCH THICKNESS. MAINTAIN EXIST CROSS SLOPES. ADJ INLET -REMOVE AND REPLACE CONCRETE PAVEMENT WITH CONCRETE PAVEMENT APPROACH SLAB HES. CONSTRUCT CONCRETE CURB & GUTTER 18-INCH TYPE A ALONG PAVEMENT EDGE TO DRAIN TO INLET. (TYP) -EXISTING JOINT LOCATION -REMOVE AND REPLACE CONCRETE PAVEMENT APPROACH SLAB(S) WITH CONCRETE PAVEMENT APPROACH SLAB HES 81+00 82+00 USH 8 -SAWING CONCRETE (TYP) -EXISTING JOINT LOCATION -DRILLED TIE BARS REQUIRED TO EXISTING WINGWALL (TYP) - ADJ INLET 20'-6" REMOVE AND REINSTALL — THRIE BEAM FOR WINGWALL REPAIRS

COUNTY: ONEIDA

B-43-23 CONSTRUCTION DETAILS

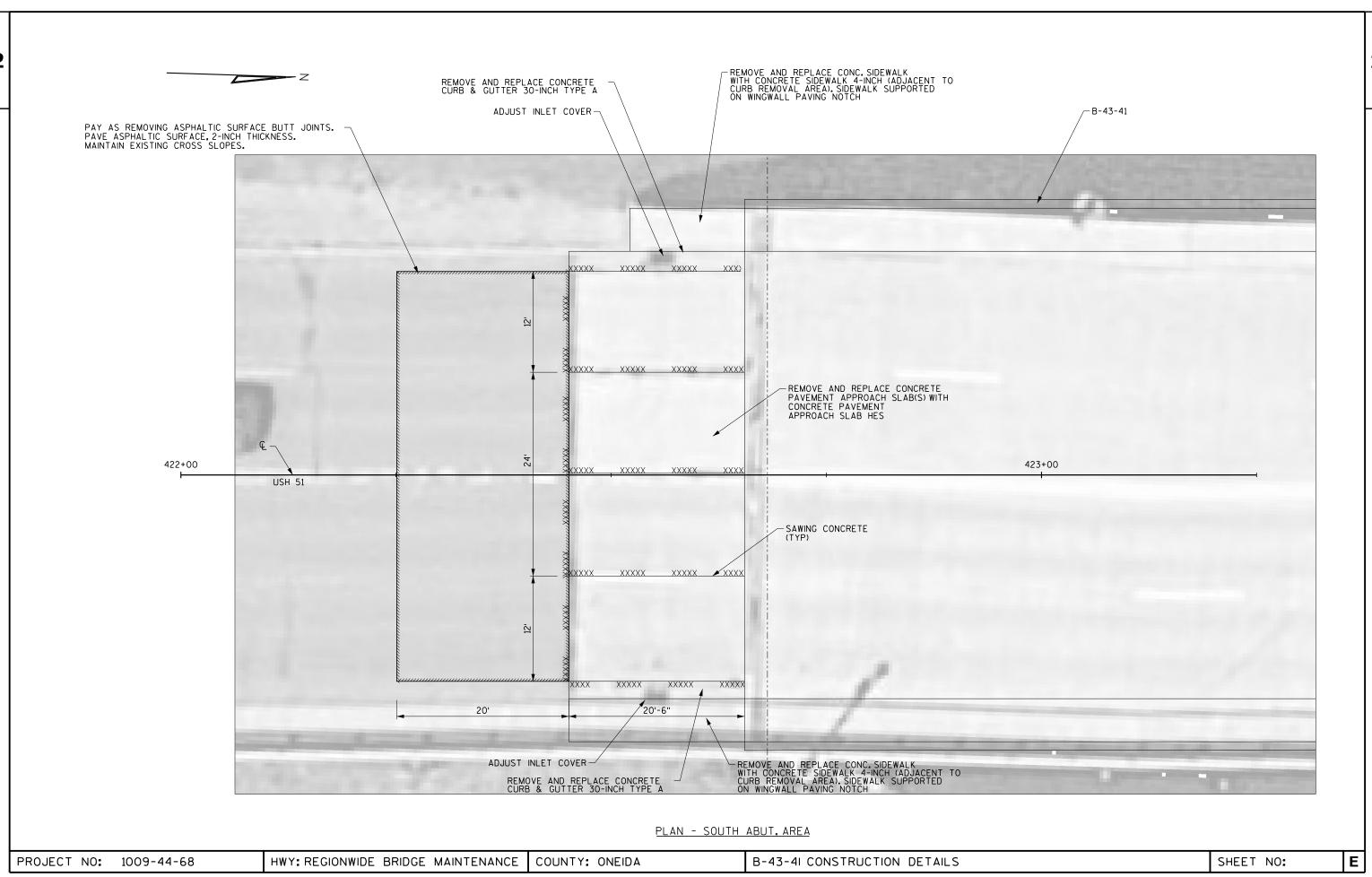
HWY: REGIONWIDE BRIDGE MAINTENANCE

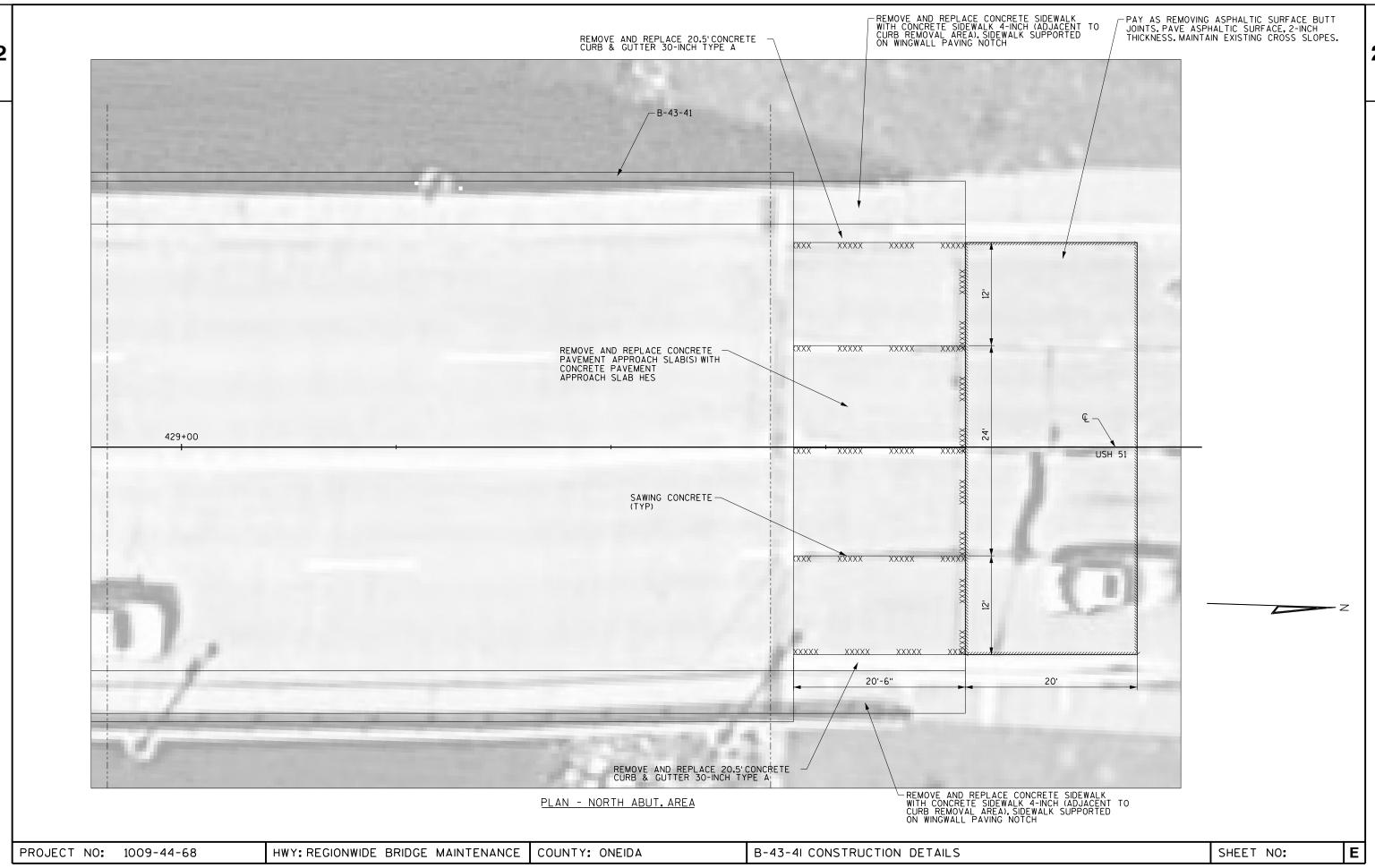
PROJECT NO: 1009-44-68

Ε

SHEET NO:

_B-43-23 20'-6" REMOVE AND REPLACE CONCRETE PAVEMENT WITH-CONCRETE PAVEMENT APPROACH SLAB HES. (TYP) -EXISTING JOINT LOCATION REMOVE AND REPLACE CONCRETE — PAVEMENT APPROACH SLAB(S) WITH CONCRETE PAVEMENT APPROACH SLAB HES 83+00 84+00 USH 8 SAWING CONCRETE -EXISTING JOINT LOCATION DRILLED TIE BARS -REQUIRED TO EXISTING WINGWALL (TYP) PAY AS "REMOVING ASPHALTIC SURFACE BUTT JOINTS".—
PAVE ASPHALTIC SURFACE, 2-INCH THICKNESS.
MAINTAIN EXISTING CROSS SLOPES. HWY: REGIONWIDE BRIDGE MAINTENANCE PROJECT NO: 1009-44-68 COUNTY: ONEIDA B-43-23 CONSTRUCTION DETAILS SHEET NO: Ε







75' TAPER LENGTH

TRAFFIC CONTROL PLAN

S 48° 24' 00'

MONTREAL RIVER

TYP 85' TAPER LENGTH

339+00

-B-26-0671

NOTES

1. SEE SDD DRAWINGS FOR DETAILS NOT SHOWN THIS SHEET.

WIS 122

OPERATION"

ADVANCED WARNING AREA

SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING

- 2. MAINTAIN 12 FT. LANE WIDTH MIN.
- 3. THE EXACT NUMBER LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- 4. ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.
- 5. ALL "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.
- 6. WESTBOUND LANE CLOSURE SHOWN THIS DRAWING. EASTBOUND LANE CLOSURE (IF USED) IS SIMILAR.
- 7. TEMPORARY DAYTIME LANE CLOSURES ARE PERMITTED WITH FLAGGING, NIGHTIME LANE CLOSURES ARE NOT PERMITTED.

ROAD WORK

PROJECT NO: 1009-44-68 HWY: REGIONWIDE BRIDGE MAINTENANCE COUNTY: IRON TRAFFIC CONTROL B-26-0671 SHEET NO: **E**

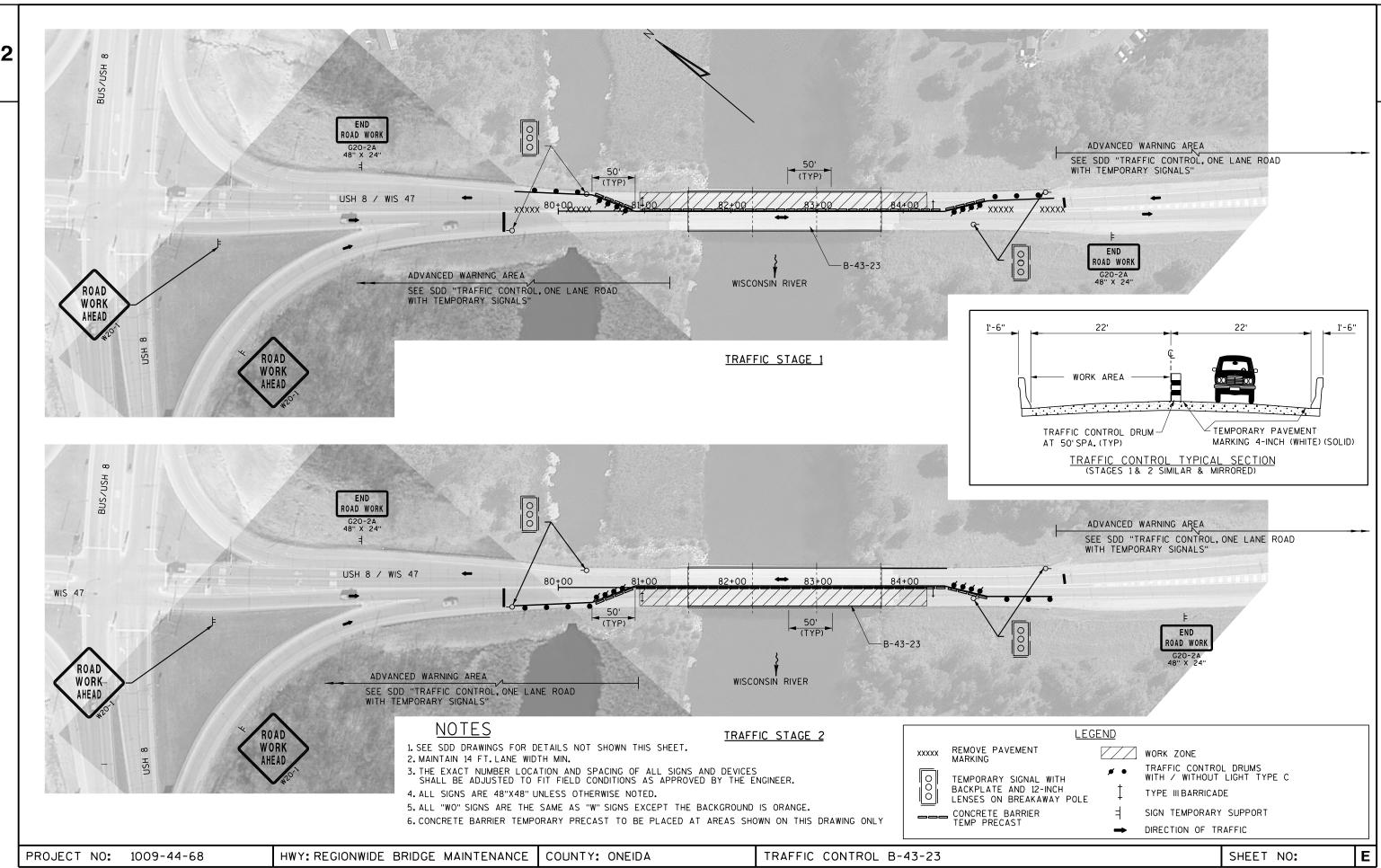
8/14/2018

SEE SDD "TRAFFIC CONTROL FOR

END

ROAD WORK

LANE CLOSURE WITH FLAGGING OPERATION"

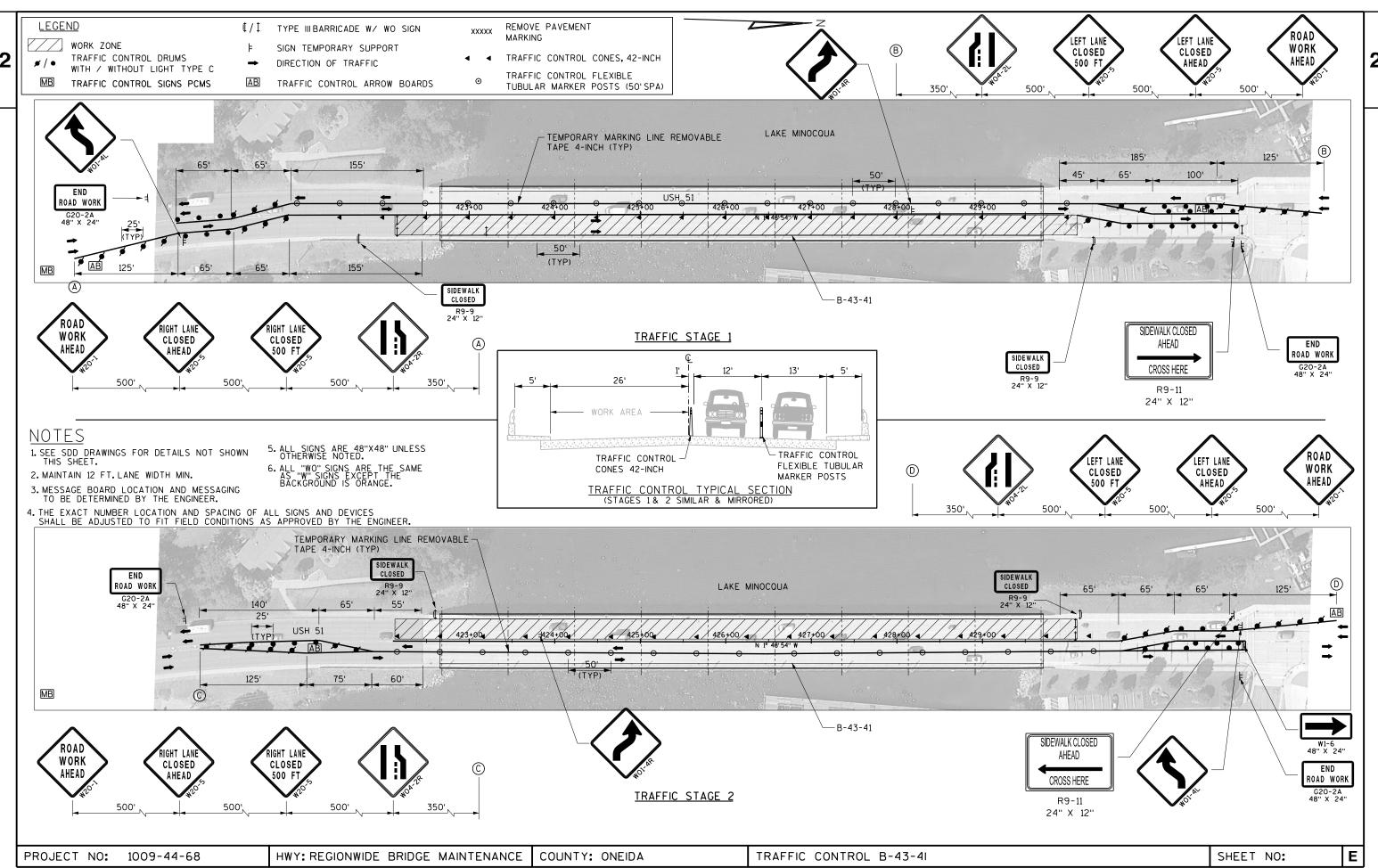


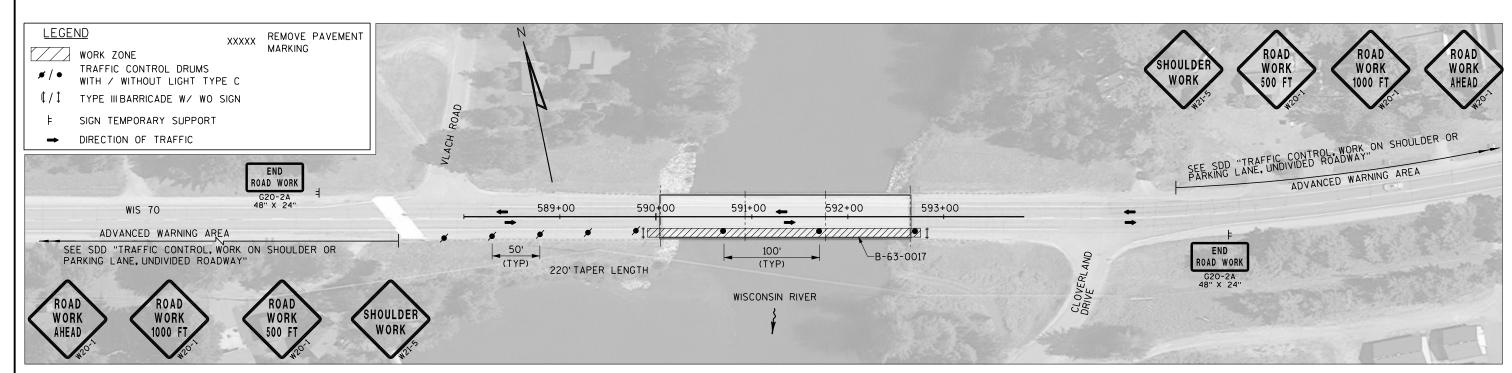
Temporary Signal 1	「iming #1	7:00am to 7:00pm				
EB	WB		Yellow	All Red	Green	
RED GREEN YELLOW	RED RED RED		4.5 sec	21.0 sec	46.0 sec	
RED RED RED	RED GREEN YELLOW	_	4.5 sec	21.0 sec	46.0 sec	
Total Cycle Length	143.0 sec	=	9.0 sec	42.0 sec	92.0 sec	

Temporary Signal T	iming #2	7:00pm to 7:00am			
EB	WB	Yellow	All Red	Green	
RED GREEN YELLOW	RED RED RED	4.5 sec	21.0 sec	35.0 sec	
RED RED RED	RED GREEN YELLOW	4.5 sec	21.0 sec	35.0 sec	
Total Cycle Length	121.0 sec =	9.0 sec	42.0 sec	70.0 sec	

NOTES: Stop bar placement at 650 ft spacing 1050' west of STH 17 (south)

SHEET NO: HWY: REGIONWIDE BRIDGE MAINTENANCE | COUNTY: ONEIDA TRAFFIC CONTROL B-43-23 PROJECT NO: 1009-44-68 Е





TRAFFIC CONTROL PLAN

NOTES

- 1. SEE SDD DRAWINGS FOR DETAILS NOT SHOWN THIS SHEET.
- 2. MAINTAIN 11 FT LANE WIDTH MIN.
- 3. THE EXACT NUMBER LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- 4. ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.
- 5. ALL "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.
- 6. EASTBOUND SHOULDER CLOSURE SHOWN THIS DRAWING. WESTBOUND SHOULDER CLOSURE (IF USED) IS SIMILAR.
- 7. THIS SHOULDER CLOSURE PLAN IS FOR CONTRACTOR CONVENIENCE AS MAY BE DESIRED FOR EQUIPMENT AND MATERIAL ACCESS TO THE RIVER. THIS SHOULDER CLOSURE IS NOT REQUIRED AS PART OF THIS PROJECT.

PROJECT NO: 1009-44-68 HWY: REGIONWIDE BRIDGE MAINTENANCE COUNTY: VILAS TRAFFIC CONTROL B-63-0017 SHEET NO: E

					1009-44-68
Line	Item	Item Description	Unit	Total	Qty
0002	203.0200	Removing Old Structure (station) 01. STA 81+30	LS	1.000	1.000
0004	204.0100	Removing Pavement	SY	430.000	430.000
0006	204.0115	Removing Asphaltic Surface Butt Joints	SY	392.000	392.000
8000	204.0150	Removing Curb & Gutter	LF	84.000	84.000
0010	204.0155	Removing Concrete Sidewalk	SY	42.000	42.000
0012	206.1000	Excavation for Structures Bridges (structure) 01. B-43-	LS	1.000	1.000
		23			
0014	210.1500	Backfill Structure Type A	TON	30.000	30.000
0016	213.0100	Finishing Roadway (project) 01. 1009-44-68	EACH	1.000	1.000
0018	305.0110	Base Aggregate Dense 3/4-Inch	TON	159.000	159.000
0020	415.1410	Concrete Pavement Approach Slab HES	SY	412.000	412.000
0022	416.0610	Drilled Tie Bars	EACH	12.000	12.000
0024	465.0105	Asphaltic Surface	TON	44.000	44.000
0026	502.0100	Concrete Masonry Bridges	CY	2.000	2.000
0028	502.3210	Pigmented Surface Sealer	SY	4.000	4.000
0030	502.4204	Adhesive Anchors No. 4 Bar	EACH	270.000	270.000
0032	502.4205	Adhesive Anchors No. 5 Bar	EACH	3.000	3.000
0032	505.0400	Bar Steel Reinforcement HS Structures	LB	562.000	562.000
0034	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	200.000	200.000
0038	509.1500	Concrete Surface Repair	SF	95.000	95.000
0040	601.0405	Concrete Curb & Gutter 18-Inch Type A	LF	20.000	20.000
0040	601.0409	Concrete Curb & Gutter 10-Inch Type A	LF	84.000	84.000
0042	602.0405	Concrete Sidewalk 4-Inch	SF	375.000	375.000
0044	603.8000	Concrete Barrier Temporary Precast Delivered	LF	460.000	460.000
0048	603.8125	Concrete Barrier Temporary Precast Installed	LF	920.000	920.000
	611.8115	•	EACH	4.000	4.000
0050		Adjusting Inlet Covers	LF		
0052	612.0406	Pipe Underdrain Wrapped 6-Inch		15.000	15.000
0054	614.0150	Anchor Assemblies for Steel Plate Beam Guard	EACH	1.000	1.000
0056	618.0100	Maintenance And Repair of Haul Roads (project) 01. 1009-44-68	EACH	1.000	1.000
0058	619.1000	Mobilization	EACH	1.000	1.000
0060	627.0200	Mulching	SY	300.000	300.000
0062	628.1104	Erosion Bales	EACH	200.000	200.000
0064	628.1504	Silt Fence	LF	60.000	60.000
0066	628.1520	Silt Fence Maintenance	LF	60.000	60.000
0068	628.1905	Mobilizations Erosion Control	EACH	4.000	4.000
0000	628.1910	Mobilizations Emergency Erosion Control	EACH	4.000	4.000
0070	628.2008	Erosion Mat Urban Class I Type B	SY	100.000	100.000
0074	628.6005	Turbidity Barriers	SY	513.000	513.000
0076	628.7015	Inlet Protection Type C	EACH	4.000	4.000

REMOVALS

		204.0100 REMOVING PAVEMENT	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS	204.0150 REMOVING CONCRETE CURB & GUTTER	204.0155 REMOVING CONCRETE SIDEWALK	690.0250 SAWING CONCRETE
CATEGORY	LOCATION	SY	SY	LF	SF	LF
0010	B-43-0023 WEST APPROACH	103	98	-	-	21
0010	B-43-0023 EAST APPROACH	103	98	-	-	21
0010	B-43-0041 NORTH APPROACH	112	98	42	22	152
0010	B-43-0041 SOUTH APPROACH	112	98	42	20	152
	1009-44-68 TOTAL	430	392	84	42	346

CONCRETE BARRIER TEMPORARY PRECAST SUMMARY

		603.8000	603.8125		
		CONCRETE BARRIER	CONCRETE BARRIER		
		TEMPORARY PRECAST	TEMPORARY PRECAST		
		DELIVERED	INSTALLED		
CATEGORY	LOCATION	LF	LF		
0010	B-43-0023 STAGE 1	460	460		
0010	B-43-0023 STAGE 2	-	460		
	1009-44-68 TOTAL	460	920		

TR	AFF	IC	CO	NT	ROL

		643.0300	643.0310.S	643.0420	643.0500	643.0600	643.0705	643.0715	643.0800	643.0900	643.1050	643.1070	643.5000	661.0100
		TRAFFIC	TEMPORARY	TRAFFIC CONTROL	TRAFFIC CONTROL	. TRAFFIC CONTROL	TRAFFIC CONTROL	TRAFFIC CONTROL	TRAFFIC	TRAFFIC	TRAFFIC	TRAFFIC	TRAFFIC	TEMPORARY
		CONTROL	PORTABLE	BARRICADES	FLEXIBLE TUBULAR	R FLEXIBLE TUBULAR	WARNING LIGHTS	WARNING LIGHTS	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	TRAFFIC SIGNAL
		DRUMS	RUMBLE STRIPS	TYPE III	MARKER POSTS	MARKER BASES	TYPE A	TYPE C	ARROW BOARDS	SIGNS	SIGNS PCMS	CONES 42-INCH	1	FOR BRIDGES
CATEGORY	LOCATION	DAY	LS	DAY	EACH	EACH	DAY	DAY	DAY	DAY	DAY	DAY	EACH	LS
0010	B-26-0671	100	1	20	-	-	-	40	-	100	-	-	-	-
0010	B-63-0017	112	-	28	-	-	112	70	-	140	-	-	-	-
0010	B-43-0023 STAGE 1	196	-	56	-	-	112	112	-	126	-	-	-	0.5
0010	B-43-0023 STAGE 2	182	-	56	-	-	-	224	-	196	-	-	-	0.5
0010	B-43-0041 STAGE 1	546	-	42	19	19	105	280	28	182	28	252	-	-
0010	B-43-0041 STAGE 2	448	-	70	17	17	-	238	28	182	28	238	-	-
	1009-44-68 TOTAL	1584	1	272	36	36	329	964	56	926	56	490	1	1

PROJECT NO: 1009-44-68	HWY: REGIONWIDE BRIDGE MAINTENANCE	COUNTY: VARIOUS	MISCELLANEOUS QUANTITIES	SHEET:	E
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	LANDSCAPING ITEMS								PAVEMENT MARKING		
			_						646.1020	646.9000	649.0150
	627.0200	628.2008	629.0210	630.0110	630.0140				MARKING LINE	MARKING	TEMPORARY MARKING
	MULCHING	EROSION MAT URBAN CLASS I	FERTILIZER TYPE B	SEEDING MIXTURE NO. 10	SEEDING MIXTURE NO. 40				EPOXY 4-INCH	REMOVAL LINE 4-INCH	LINE REMOVABLE TAPE 4-INCH
	TYPE B	TYPE B	ITPED	WILKTORE NO. 10	NO. 40	_	CATEGORY	LOCATION	LF	LF	LF
LOCATION	SY	SY	CWT	LB	LB						
B-26-0671	100	-	0.07	2	-		0010	B-43-0023 STAGE 1	250	250	900

	PAVEMENT ITEMS										
		415.1410	416.0610	465.0105	601.0405	601.0409	602.0405				
		CONCRETE PAVEMENT	DRILLED TIE BARS	ASPHALTIC	CONCRETE CURB &	CONCRETE CURB &	CONCRETE SIDEWALK				
		APPROACH SLAB HES		SURFACE	GUTTER 18-INCH TYPE A	GUTTER 30-INCH TYPE A	4-INCH				
CATEGORY	LOCATION	SY	EACH	TON	LF	LF	SF				
0010	B-43-0023 WEST APPROACH	103	12	11	20	-	-				
0010	B-43-0023 EAST APPROACH	103	-	11		-	-				
0010	B-43-0041 NORTH APPROACH	103	-	11	-	42	200				
0010	B-43-0041 SOUTH APPROACH	103	-	11	-	42	175				
	1009-44-68 TOTAL	412	12	44	20	84	375				

B-63-0017

B-43-0023

B-43-0041

1009-44-68 TOTAL

0.07

0.07

0.07

0.28

		SPV.0105.01			642.5201
		REMOVING AND			FIELD OFFICE TYPE C*
		REINSTALLING	CATEGORY	LOCATION	EACH
		GUARDRAIL	0010	B-26-0671	0.25
CATEGORY	LOCATION	LS	0010	B-63-0017	0.25
0010	B-43-0023 WEST APPROACH	1	0010	B-43-0023	0.25
	1009-44-68 TOTAL	1	0010	B-43-0041	0.25
				1009-44-68 TOTAL	1

*FIELD OFFICE IS PAID AS 1 EACH FOR CONTRACT LOCATED AT 1 LOCATION IN 2019 AND 1 LOCATION IN 2020 AS APPROVED BY ENGINEER

B-43-0023 STAGE 2

B-43-0041 STAGE 1

B-43-0041 STAGE 2

1009-44-68 TOTAL

PROJECT NO: 1009-44-68 HWY: REGIONWIDE BRIDGE MAINTENANCE COUNTY: VARIOUS MISCELLANEOUS QUANTITIES SHEET: **E**

611.8115 ADJUSTING INLET COVERS 305.0110

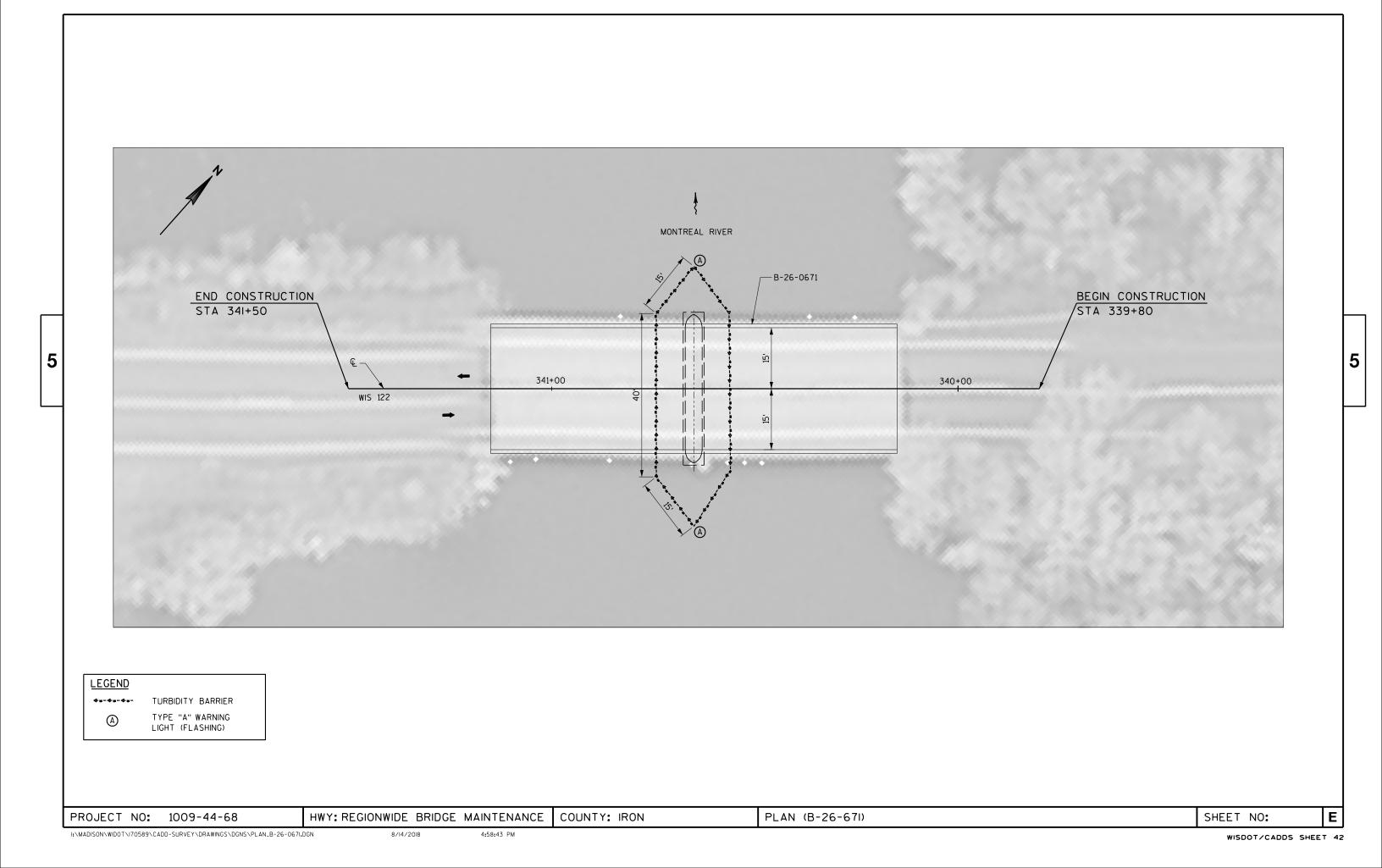
BASE AGGREGATE
DENSE 3/4-INCH

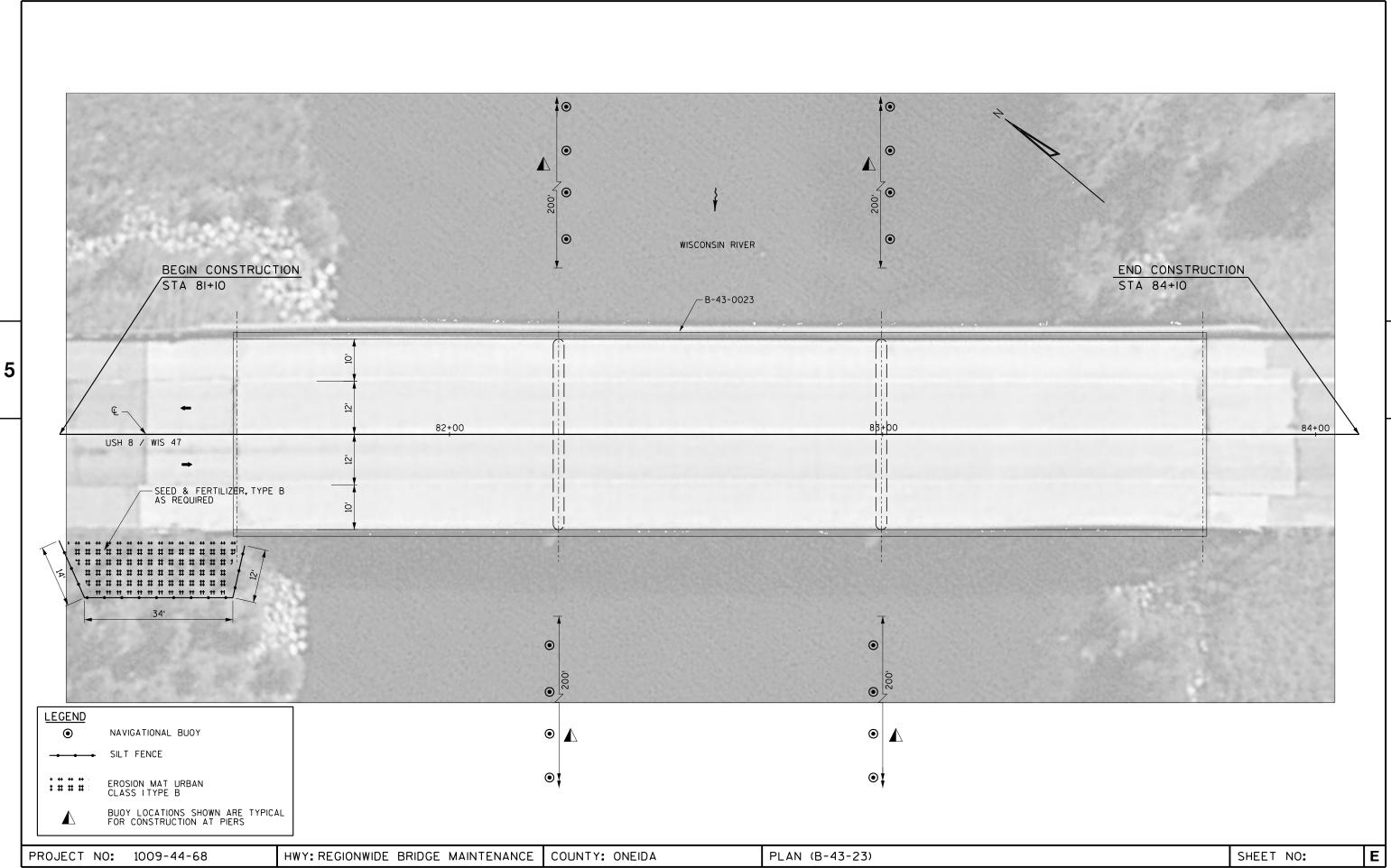
	CATEGORY	LOCATION	STA	LOCATION	EACH
	0010	B-43-23	81+30.	LT	1
	0010	B-43-23	81+30.	RT	1
	0010	B-43-41	422+55.	LT	1
	0010	B-43-41	422+55.	RT	1
1009-44-68 TOTAL					4

_	CATEGORY	LOCATION	TON
	0010	B-43-0023 WEST APPROACH	34
	0010	B-43-0023 EAST APPROACH	34
	0010	B-43-0041 NORTH APPROACH	46
	0010	B-43-0041 SOUTH APPROACH	45
		1009-44-68 TOTAL	159

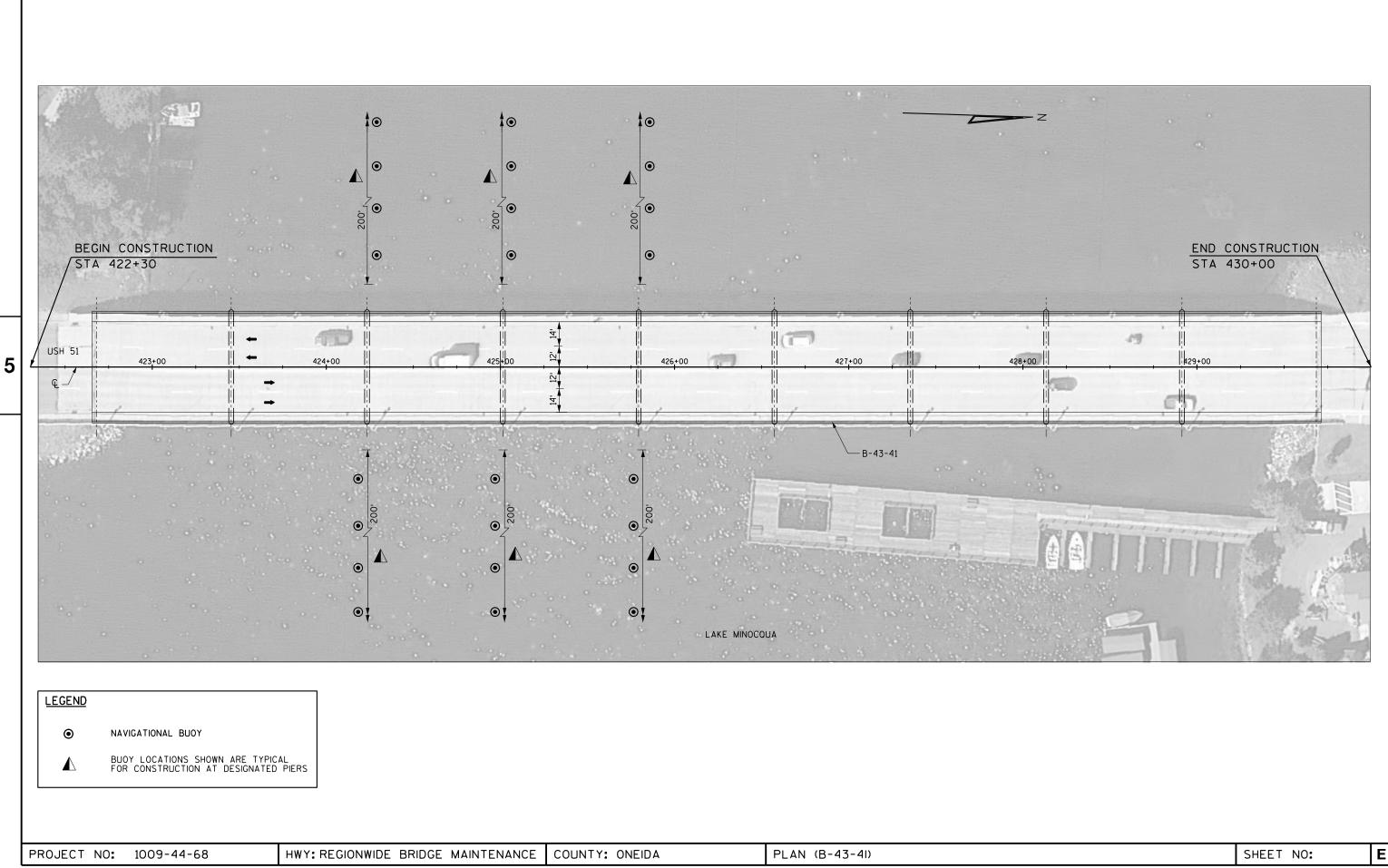
	EROSION CONTROL ITEMS							
		628.1104	628.1504	628.1520	628.1905	628.1910	628.6005	628.7015
		EROSION BALES	SILT FENCE	SILT FENCE	MOBILIZATION	MOBILIZATIONS	TURBIDITY	INLET
				MAINTENANCE	EROSION	EMERGENCY	BARRIERS	PROTECTION
					CONTROL	EROSION		TYPE C
						CONTROL		
CATEGORY	LOCATION	EACH	LF	LF	EACH	EACH	SY	EACH
0010	B-26-0671	50	-	-	1	1	200	-
0010	B-63-0017	50	-	-	1	1	262	-
0010	B-43-0023	50	60	60	1	1	51	2
0010	B-43-0041	50	-	-	1	1	-	2
	1009-44-68 TOTAL	200	60	60	4	4	513	4

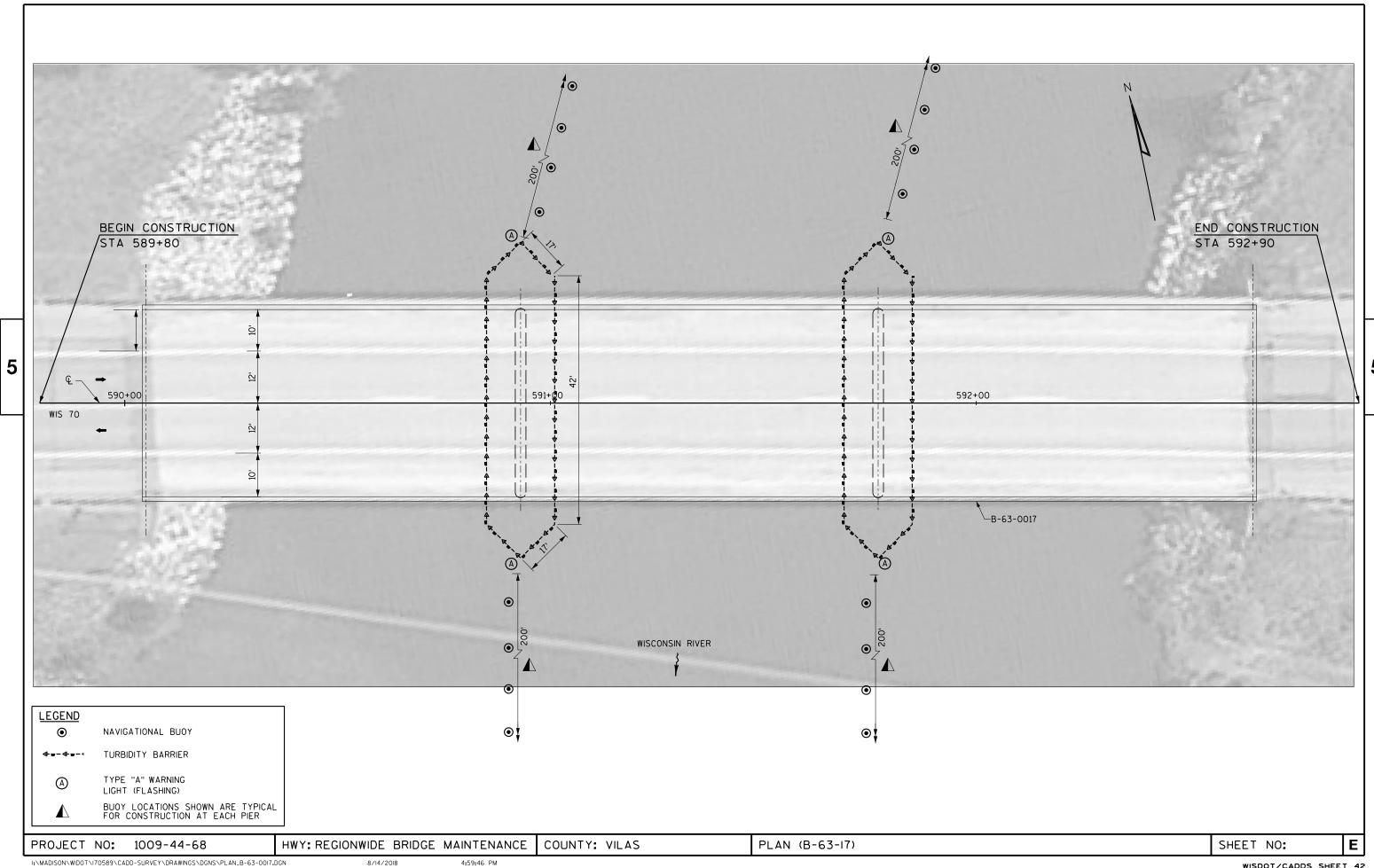
PROJECT NO: 1009-44-68 HWY	WY: REGIONWIDE BRIDGE MAINTENANCE	COUNTY: VARIOUS	MISCELLANEOUS QUANTITIES	SHEET:	E
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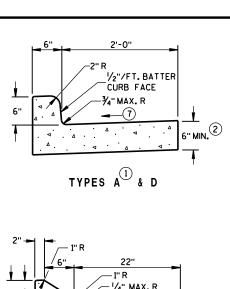
8/14/2018

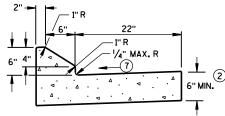




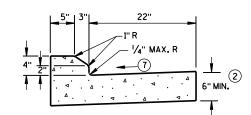
Standard Detail Drawing List

08D01-20A	CONCRETE CURB & GUTTER
08D01-20B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E11-02	TURBIDITY BARRIER
09G02-05A	BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION
09G02-05B	BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION
09G02-05C	BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION
12A03-10	NAME PLATE (STRUCTURES)
13B02-08A	CONCRETE PAVEMENT APPROACH SLAB
14B07-15A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15I	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15С11-07В	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-06	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15D12-07A	TRAFFIC CONTROL, LANE CLOSURE
15D28-03	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D33-04	TRAFFIC CONTROL, ONE LANE ROAD WITH TEMPORARY SIGNALS
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS

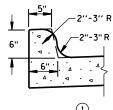




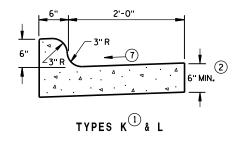
6" SLOPED CURB TYPES G 4 J



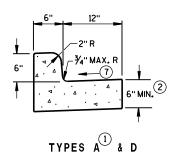
4" SLOPED CURB TYPES G 4 J



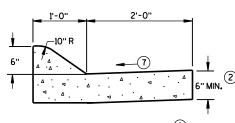
TYPES K (1) & L (OPTIONAL CURB SHAPE)



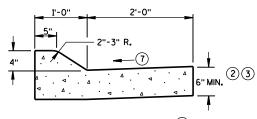
CONCRETE CURB & GUTTER 30"



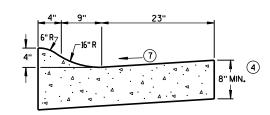
CONCRETE CURB & GUTTER 18"



6" SLOPED CURB TYPES A & D

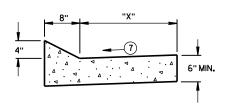


4" SLOPED CURB TYPES A D



4" SLOPED CURB TYPES R T & T

CONCRETE CURB & GUTTER 36"



TYPES TBT & TBTT

CONCRETE CURB & GUTTER

TBT & TBTT	"X"
30"	22"
36"	28"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-O" BEHIND THE BACK OF CURBS.

- (1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.
- 2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- (3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED
- (4) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- (5) THE FACE OF CURB IS 6" FROM THE BACK OF CURB.
- (6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.
- (7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.
- (8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH	
LESS THAN 10"	12'	
10" & ABOVE	15'	

6

20a

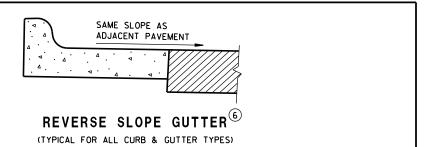
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CONCRETE PANEL WIDTH SAME PAY LIMITS TRAFFIC TRAFFIC LANE -AS CURB & GUTTER LANE PAVEMENT SLOPE PAVEMENT THICKNESS

PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER



CONCRETE CURB & GUTTER

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

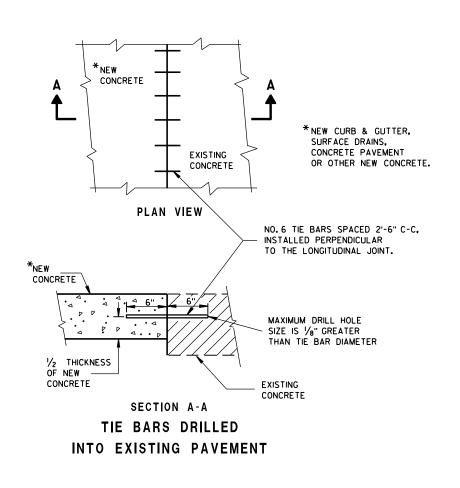
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^{*} BIKE LANE IS NOT SHOWN.

DETAIL OF CURB AND GUTTER AT INLETS (TYPE H INLET COVER SHOWN)

CONTRACTION PAVEMENT

END SECTION CURB & GUTTER



GENERAL NOTES

_ 1/2"/FT.BATTER,FACE OF CURB (ABOVE ADJACENT PAVEMENT)

ADJACENT

PAVEMENT

NO. 4 X 2'-0" DEF. TIE

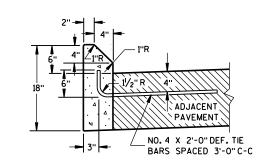
BARS SPACED 3'-0" C-C

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-O" BEHIND THE BACK OF CURBS.

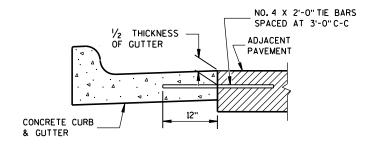
- 1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A.G.K.R AND TBTT.
- 2 THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- (9) REFER TO SDD 8D18 AND SDD 8D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



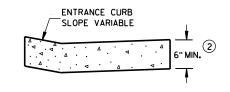
TYPES A D

TYPES G 4 J

CONCRETE CURB



TYPICAL TIE BAR LOCATION 1



DRIVEWAY ENTRANCE CURB (9)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

/S/ Rodney Taylor June, 2017 DATE

ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

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TYPICAL APPLICATION OF SILT FENCE

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PLAN VIEW SILT FENCE AT MEDIAN SURFACE DRAINS



GENERAL NOTES

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

- \bigcirc HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- ② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- 3 WOOD POSTS SHALL BE A MINIMUM SIZE OF 11/8" X 11/8" OF OAK OR HICKORY.
- 4) SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- (5) CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



TRENCH DETAIL



SILT FENCE TIE BACK
(WHEN REQUIRED BY THE ENGINEER)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-29-05 /S/ Beth Cannestra

29-05 /S/ Beth Cannestra
DATE CHIEF ROADWAY DEVELOPMENT ENGINEER

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INLET PROTECTION, TYPE A

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

- 1) FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- (2) FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
- (3) FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.



INLET PROTECTION, TYPE C (WITH CURB BOX)

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE, THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION TYPE A, B, C, AND D

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02

/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER 6

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GENERAL NOTES

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

TURBIDITY BARRIER MAY BE REMOVED AT THE ENGINEERS DISCRETION, WHEN PERMANENT EROSION CONTROL MEASURES HAVE BEEN ESTABLISHED.

- ① DRIVEN STEEL POSTS, PIPES, OR CHANNELS. LENGTH SHALL BE SUFFICIENT TO SECURELY SUPPORT BARRIER AT HIGH WATER ELEVATIONS.
- 2 SANDBAGS TO BE USED AS ADDITIONAL BALLAST WHEN ORDERED BY THE ENGINEER TO MEET ADVERSE FIELD CONDITIONS. SPACE AS APPROPRIATE FOR SITE CONDITIONS.
- (3) WHEN BARRIER HEIGHT, H. EXCEEDS 8 FT., POST SPACING MAY NEED TO BE DECREASED.
- 4 IN WATERWAYS SUBJECT TO FLUCTUATING WATER ELEVATIONS, PROVISIONS SHOULD BE MADE TO ALLOW THE WATER TO EQUALIZE ON EACH SIDE OF THE BARRIER. THIS MAY BE ACCOMPLISHED BY LEAVING A PORTION OF THE BARRIER OPEN ON THE UPSTREAM END.
- (5) ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION PERIOD. MIMIMUM BARRIER HEIGHT SHALL BE 2'GREATER THAN EITHER THE 02 ELEVATION OR THE ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION, WICHEVER IS GREATER.
- (6) FLOAT ALTERNATIVE WILL ONLY BE ALLOWED WITH WRITTEN APPROVAL OF THE ENGINEER, AND IS MEANT FOR LOCATIONS WHERE BED ROCK PREVENTS THE INSTALLATION OF POSTS.
- (7) ALLOW SUFFICIENT SLACK VERTICALLY AND HORIZONTALLY SO THAT SEDIMENT BUILD UP WILL NOT SEPARATE OR LOWER THE TURBIDITY BARRIER.
- (8) USE AS DIRECTED BY COAST GUARD OR DNR PERMIT WHEN WORKING IN NAVIGABLE WATERWAYS.





SECTION C-C

TURBIDITY BARRIER DETAIL SHOWING TYPICAL PLACEMENT AT STRUCTURES

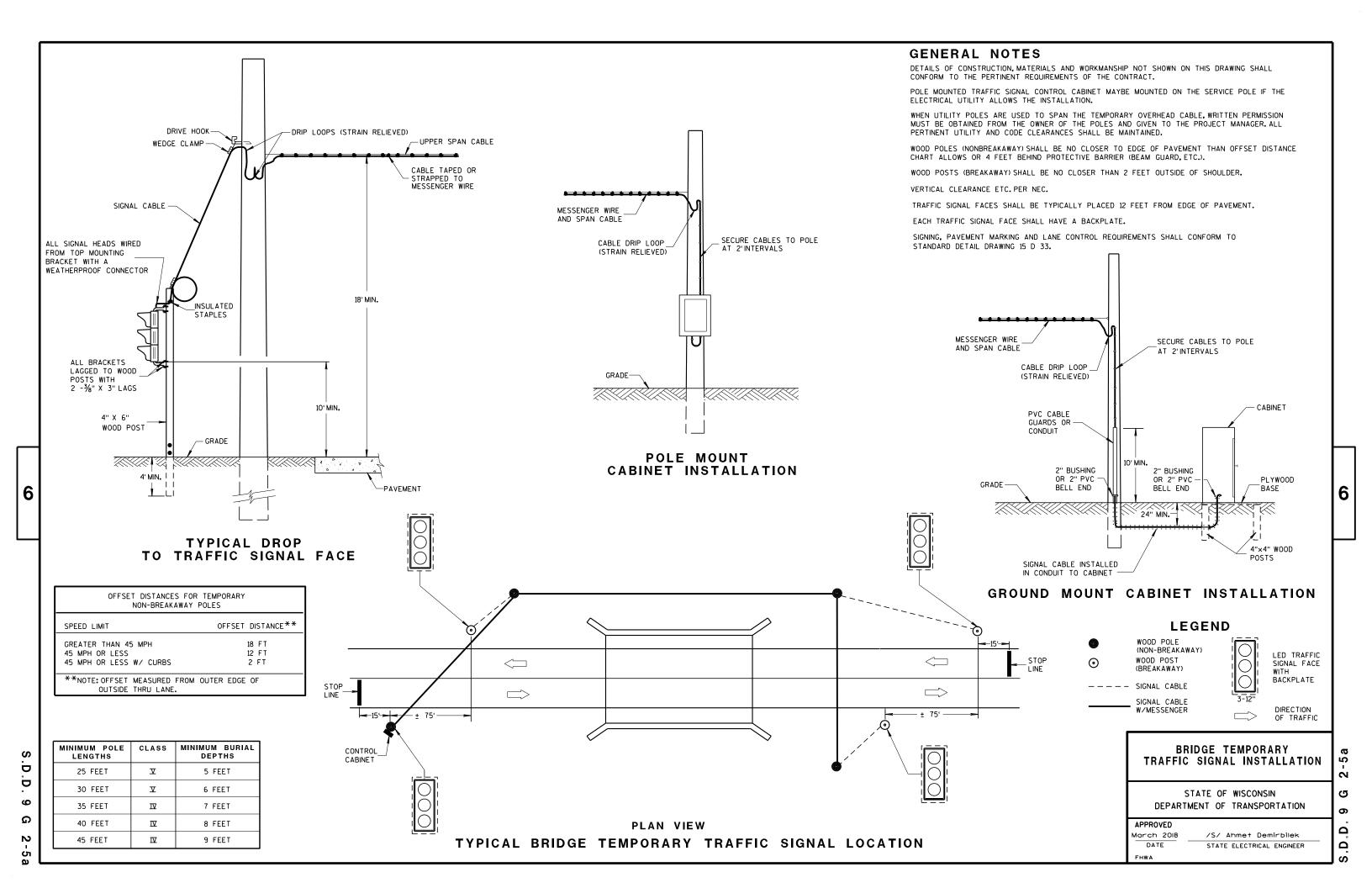
TURBIDITY BARRIER

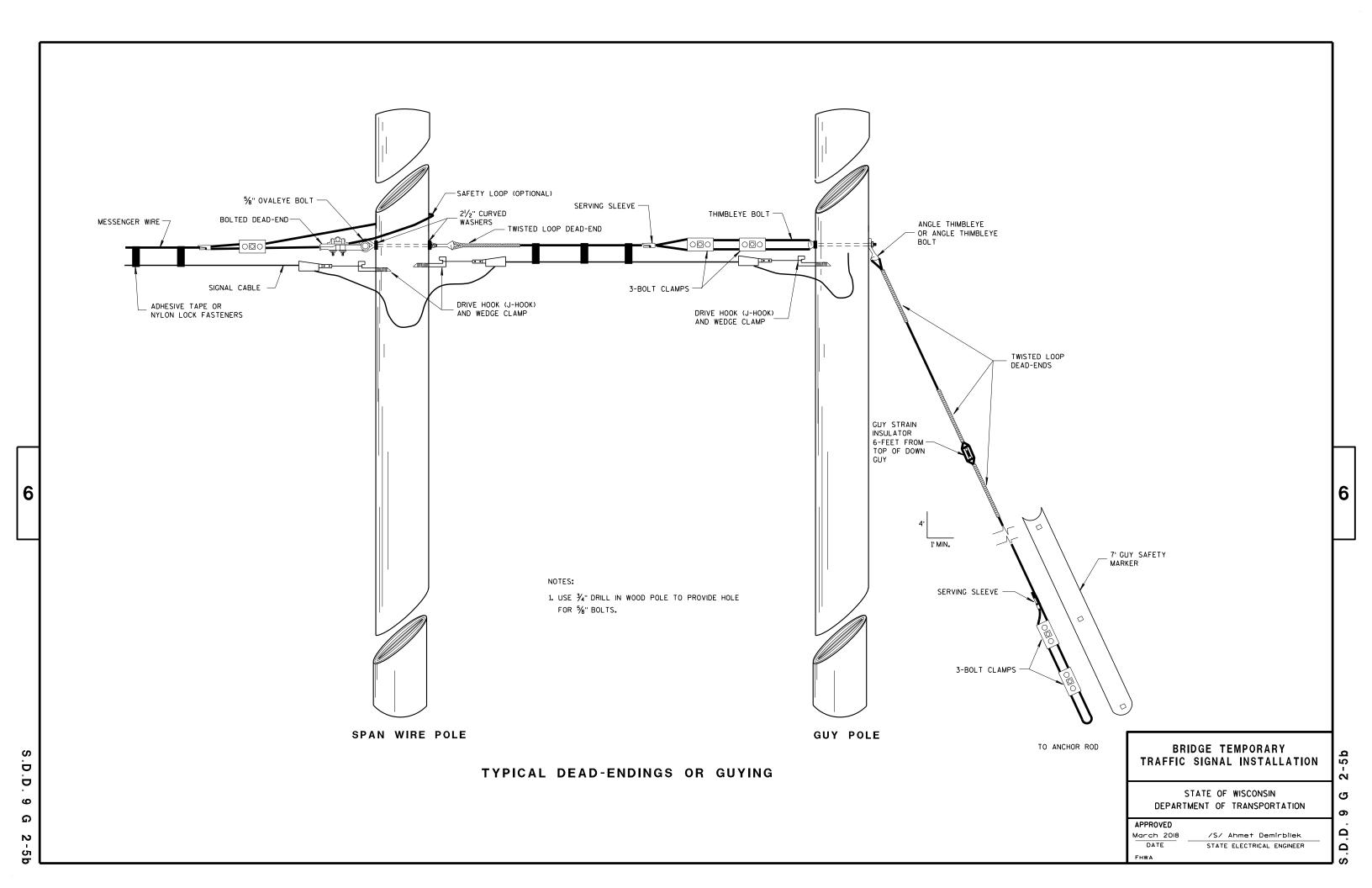
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

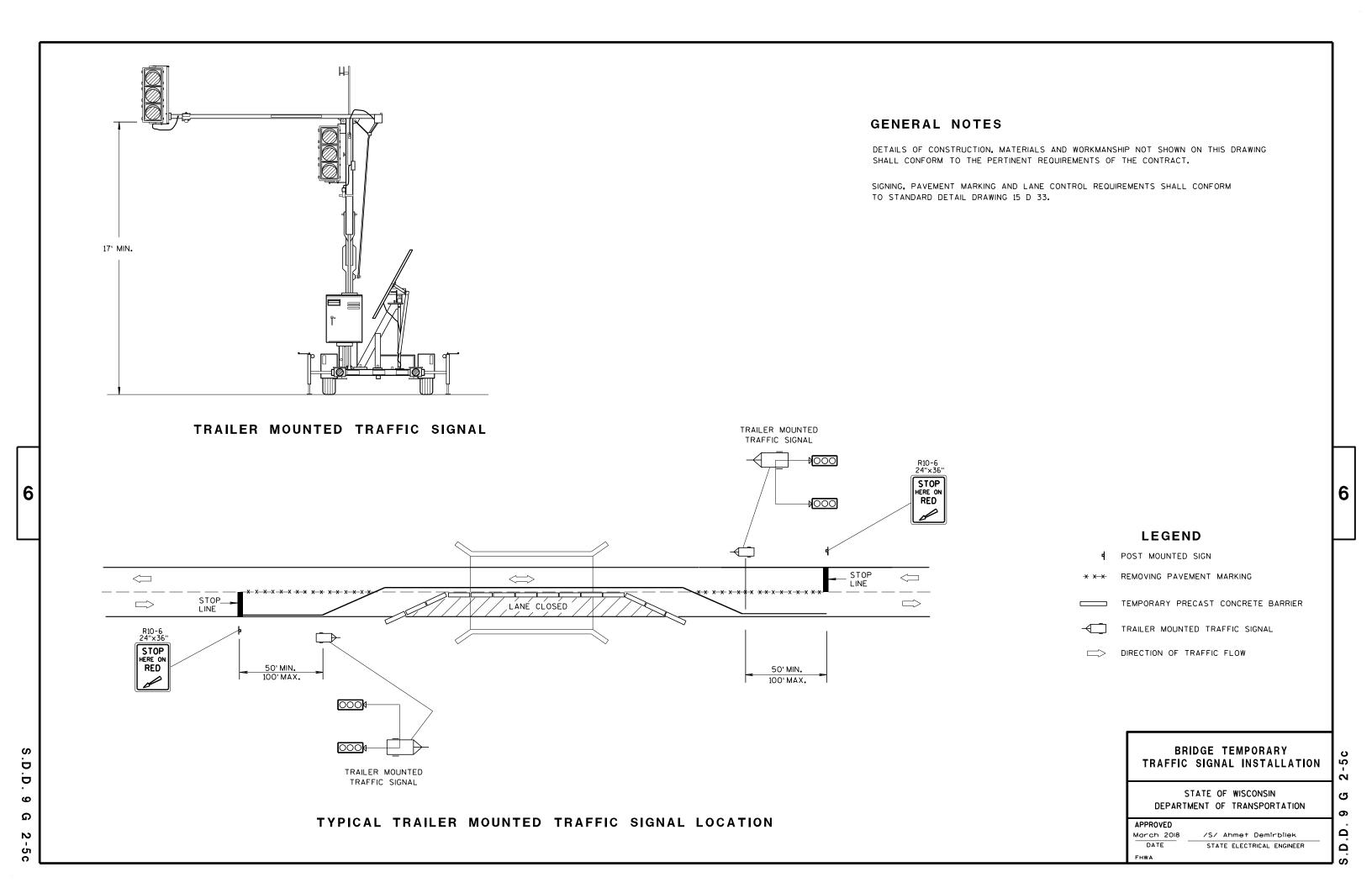
APPROVED

6/04/02 /S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER ∞

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TYPICAL NAME PLATE

(BRIDGES, CULVERTS, AND RETAINING WALLS)



NUMBERING DESIGNATION MULTI-UNIT STRUCTURES

GENERAL NOTES

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

- 1 EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- (2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SPREAD OPEN SO THE TOP OF LUG IS 11/4" WIDE

SECTION A-A

ALTERNATE LUG



ALTERNATE LUG

(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

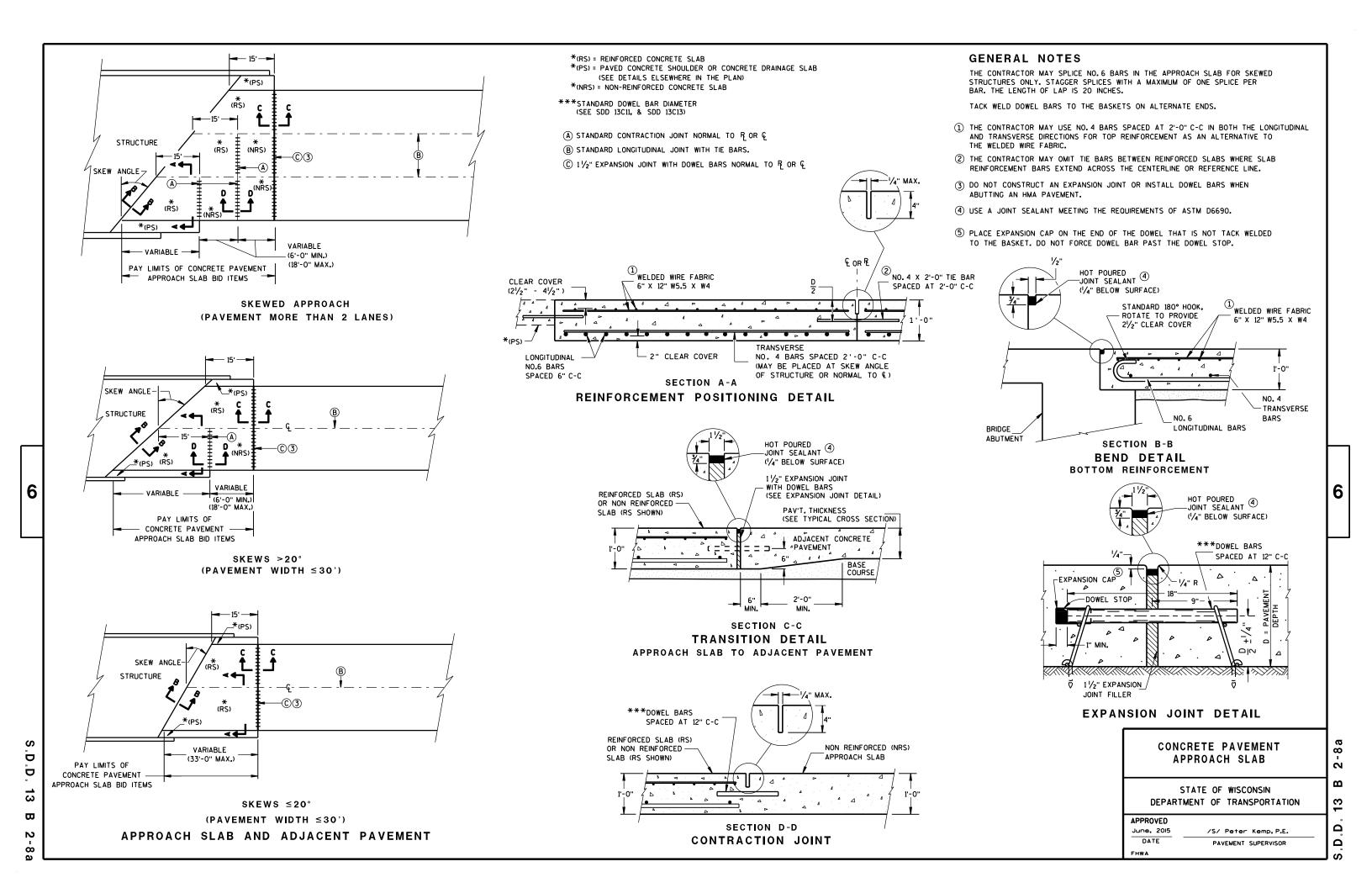
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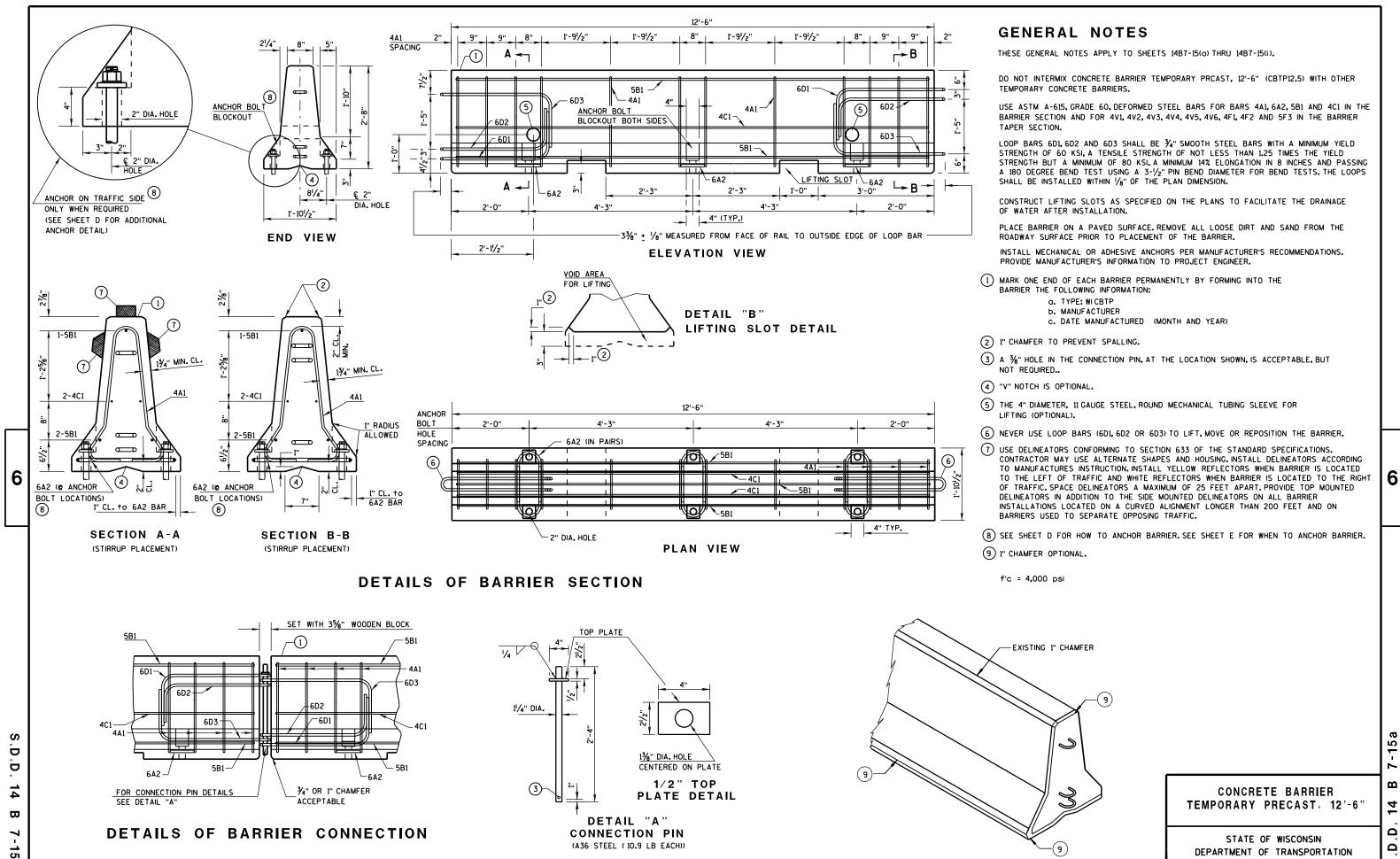
3/26/IO /S/ SCOT BECKET

CHIEF STRUCTURAL DEVELOPMENT ENGINEER

D.D. 12 A

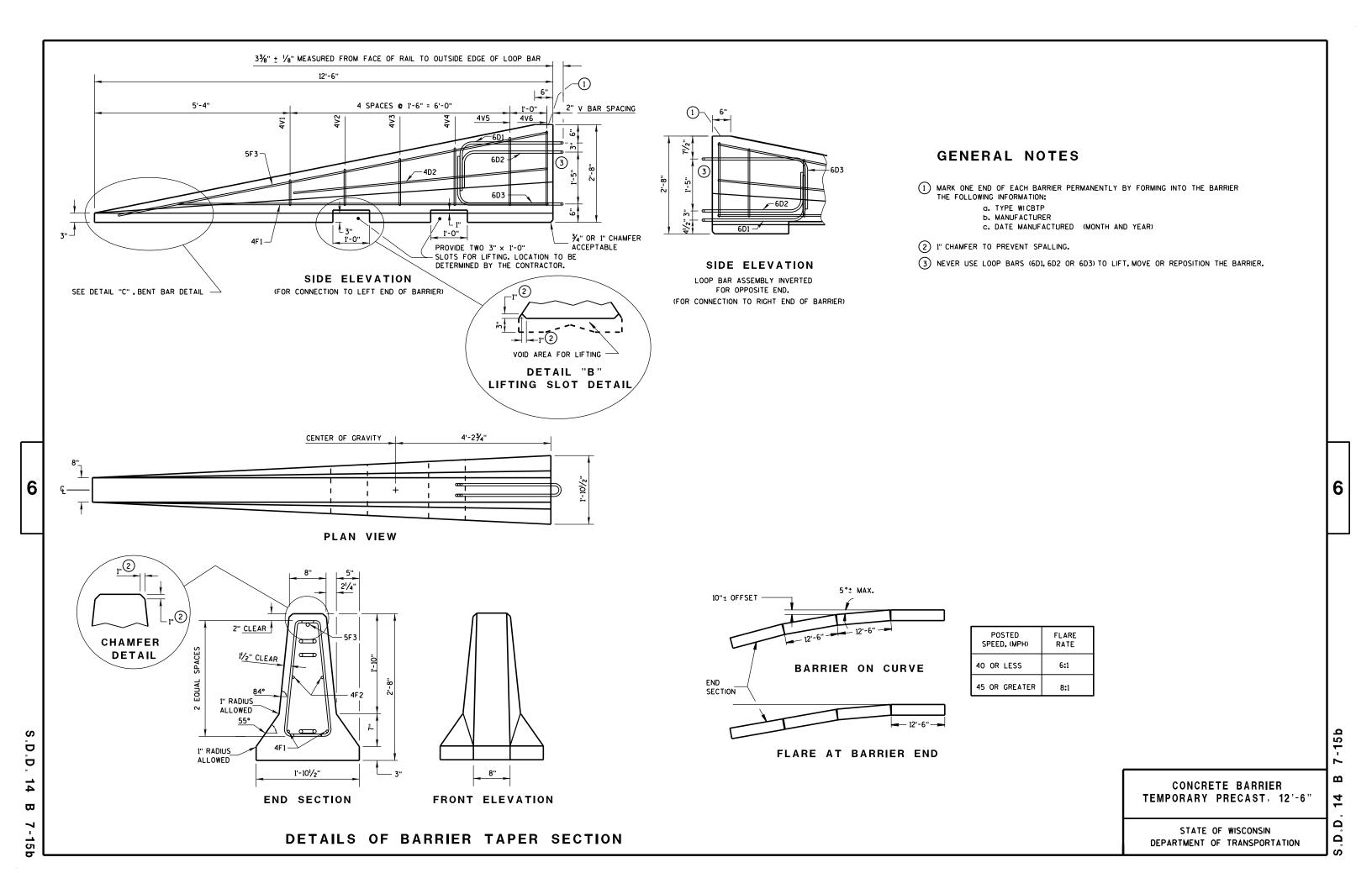
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DEPARTMENT OF TRANSPORTATION

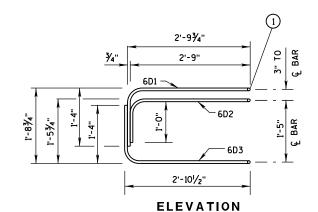


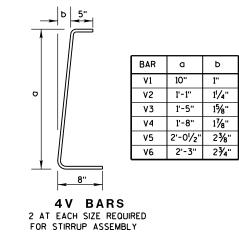
1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

BARRIER TAPER SECTION BILL OF MATERIALS

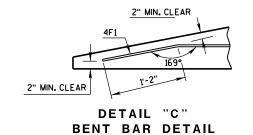
(PER 12'-6" BARRIER TAPER SECTION)

THER IE O BARRIER TAI ER SECTION							
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.				
4V1	4	2	1'-11"				
4V2	4	2	2'-2"				
4V3	4	2	2'-6"				
4V4	4	2	2'-9"				
4V5	4	2	3'-2"				
4V6	4	2	3'-4"				
4F1	4	2	12'-0"				
4F2	4	2	7'-6"				
5F3	5	1	11'-9"				
LOOP ASSEMBLY							
6D1	6	1	8'-5"				
6D2	6	1	7'-7"				
6D3	6	1	8'-6"				
•							





LOOP BAR ASSEMBLY



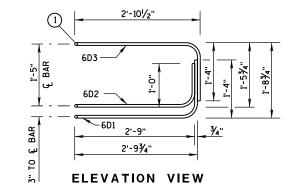


TAPER BARRIER SECTION

BARRIER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER SECTION)

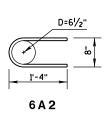
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4A1	4	12	6'-0"
6A2	6	6	2'-11"
5B1	5	3	12'-2"
4C1	4	2	12'-2"
L	OOP AS	SSEMBL	Υ
6D1	6	2	8'-5"
6D2	6	2	7'-7"
6D3	6	2	8'-6"

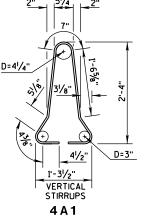




PLAN VIEW LOOP BAR ASSEMBLY

(MARKED END SHOWN, INVERT FOR OTHER END)



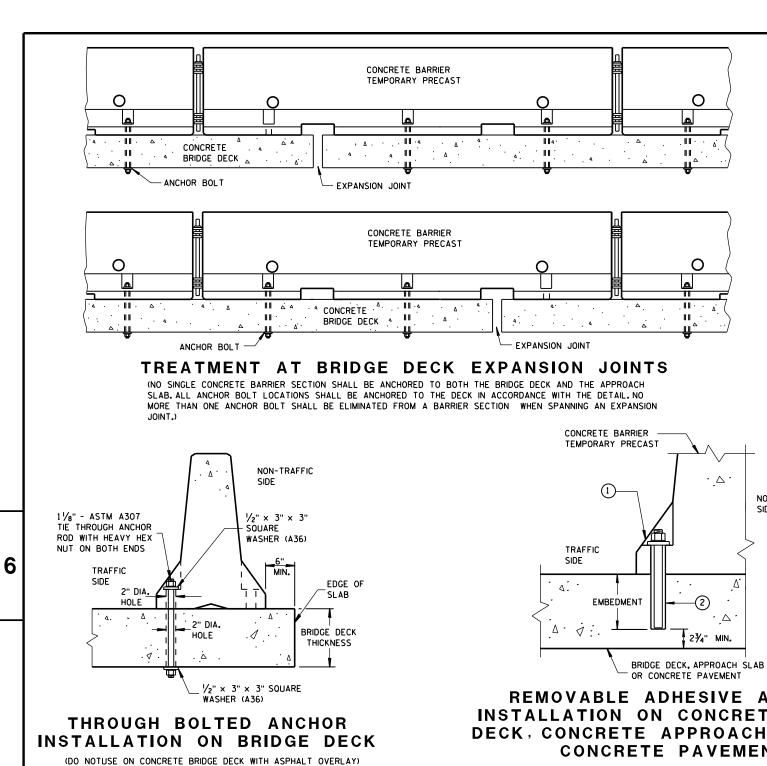


BARRIER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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REMOVABLE ADHESIVE ANCHOR INSTALLATION ON CONCRETE BRIDGE

NON-TRAFFIC

(DO NOT USE ON CONCRETE WITH AN ASPHALTIC OVERLAY)

DECK, CONCRETE APPROACH SLAB, OR **CONCRETE PAVEMENT**

CONCRETE BARRIER TEMPORARY PRECAST TIED DOWN SYSTEM TRANSITION LENGTH FREE STANDING NO STAKES REQUIRED ANCHOR RODS REQUIRED AT EACH ANCHOR LOCATION - STAKES REQUIRED STAKE NO STAKE REQUIRED DIRECTION OF TRAFFIC **PLAN VIEW**

FREE STANDING TRANSITION TO TIED-DOWN SYSTEM

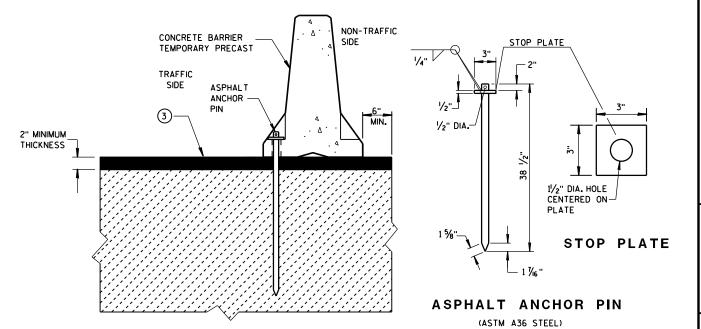
(PLACE TRANSITION IN A TANGENT SECTION OF BARRIER PARALLEL TO THE ROADWAY. IF TRANSITION OCCURS ON STRUCTURAL SLAB, ANCHOR AS SHOWN,)

GENERAL NOTES

SEE SHEET E FOR WHEN TO ANCHOR. OTHER PARTS OF THE PLAN MAY SHOW ADDITIONAL LOCATIONS REQUIRING ANCHORING.

REMOVE ALL ANCHORS WHEN NO LONGER NEEDED. FILL CONCRETE PAVEMENTS, DECKS AND APPROACH SLABS WITH NON-SHRINK COMMERICAL GROUT FROM THE APPROVED PRODUCT LIST. FILL ASPHALT PAVEMENTS WITH ASTM D6690 TYPE II RUBBERIZED CRACK FILLER.

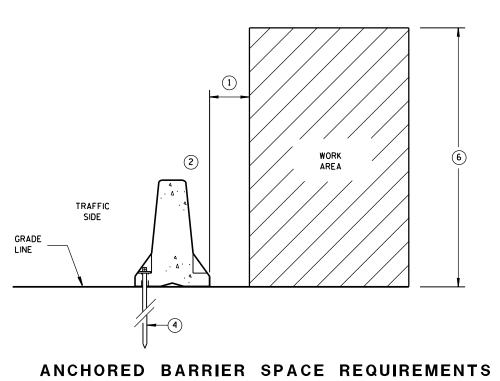
- 1 1/8" DIAMENTER A307 THREADED ROD, 1/2" X 3" X 3" SOUARE PLATE WASHER WITH ASTM A36 STEEL, ASTM A563A HEAVY HEX NUT.
- 2 ADHESIVE ANCHORS WITH A MINIMUM BOND STRENGTH OF 1,800 PSI AND 51/4" EMBEDMENT. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.
- (3) ASPHALT SURFACE SHOWN. CONTRACTOR MAY DRILL THROUGH CONCRETE PAVEMENT AND THAN DRIVE ASPHALT ANCHOR PIN.



STAKE DOWN INSTALLATION FOR **ASPHALTIC SURFACE**

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

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION -15d $\mathbf{\omega}$ Ω



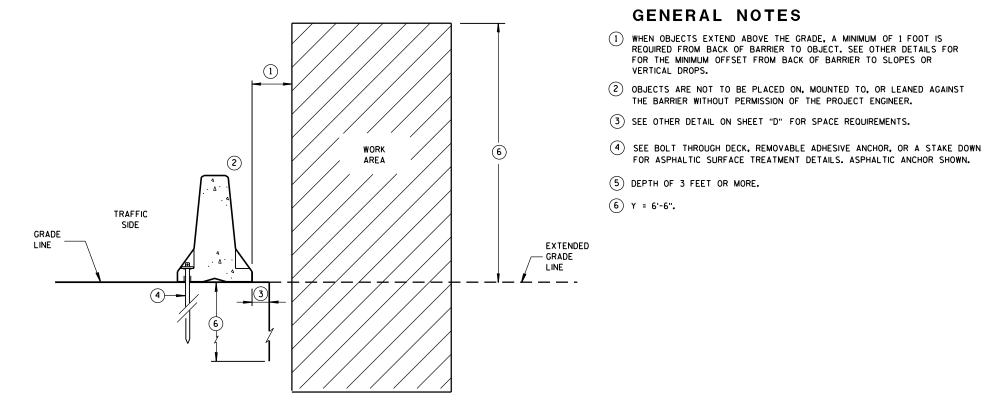
FOR HAZARDS EXTENDED ABOVE THE GRADE LINE

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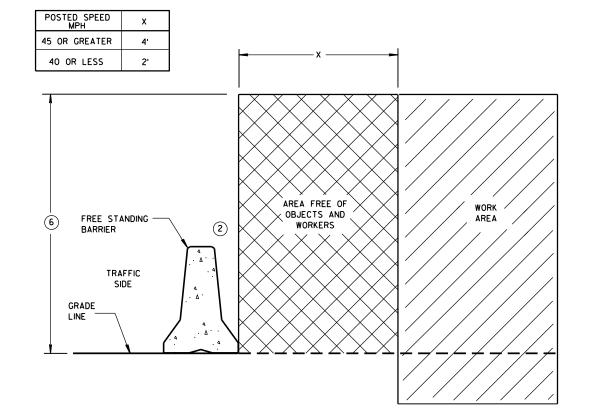
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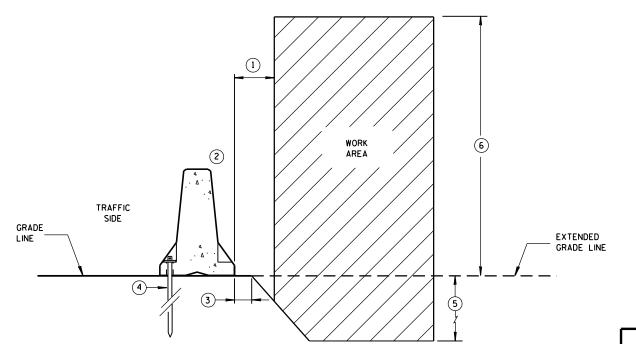
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ANCHORED BARRIER SPACE REQUIREMENTS ON VERTICAL DROP OFFS



FREE STANDING BARRIER SPACE REQUIREMENTS



ANCHORED BARRIER SPACE REQUIREMENTS ON SLOPES

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

GENERAL NOTES

FOR THE MINIMUM OFFSET FROM BACK OF BARRIER TO SLOPES OR

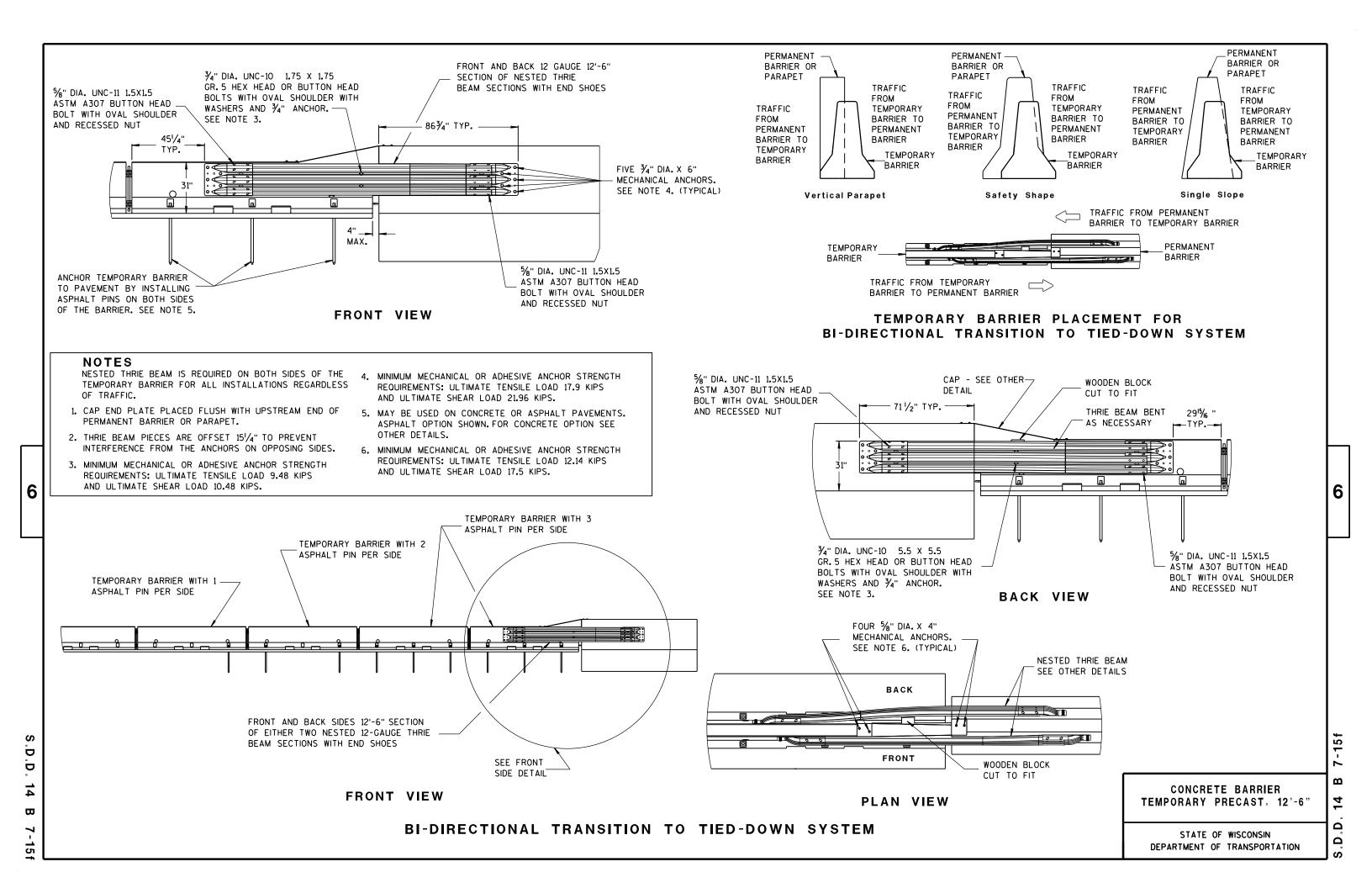
FOR ASPHALTIC SURFACE TREATMENT DETAILS. ASPHALTIC ANCHOR SHOWN.

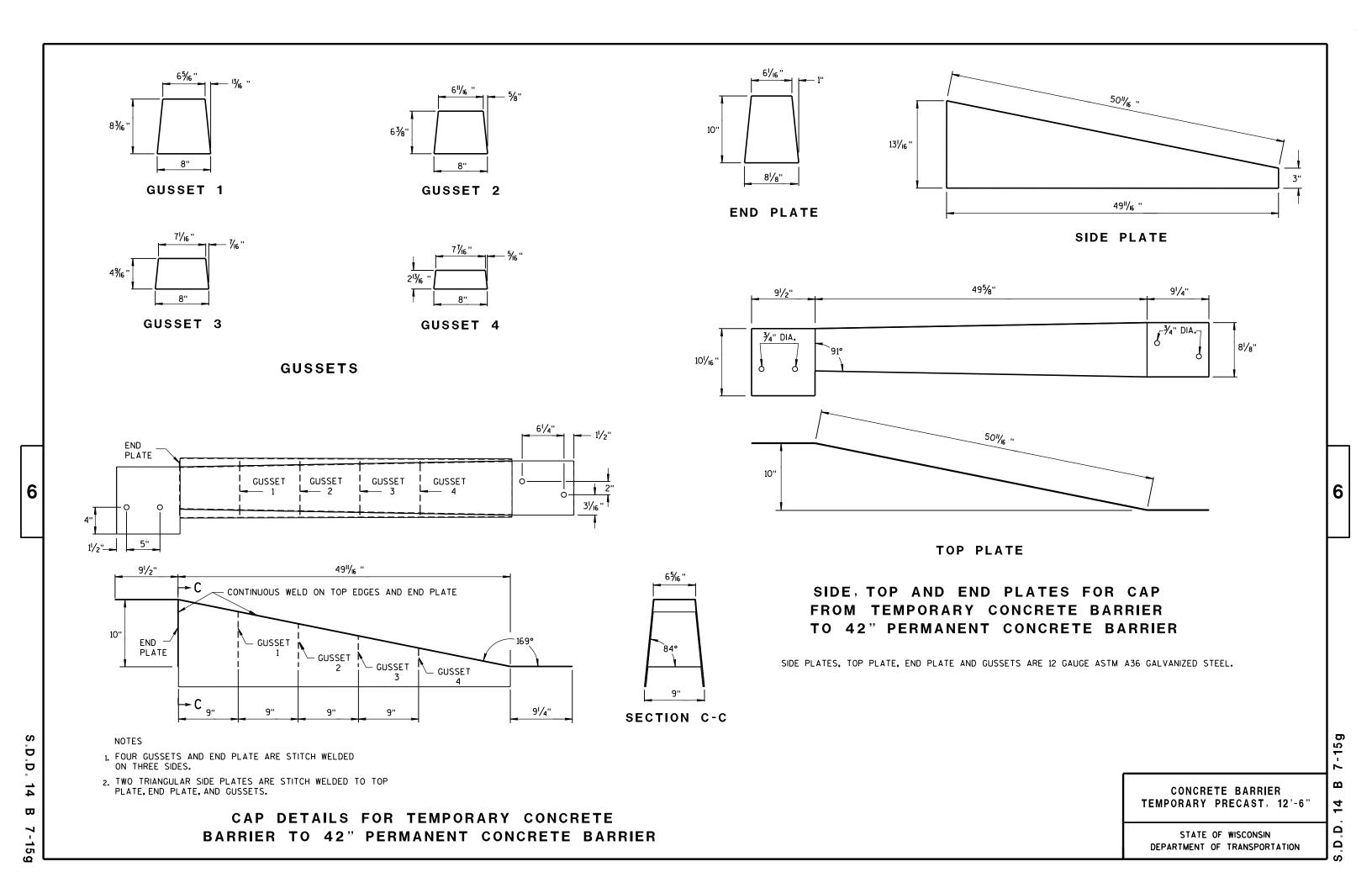
THE BARRIER WITHOUT PERMISSION OF THE PROJECT ENGINEER.

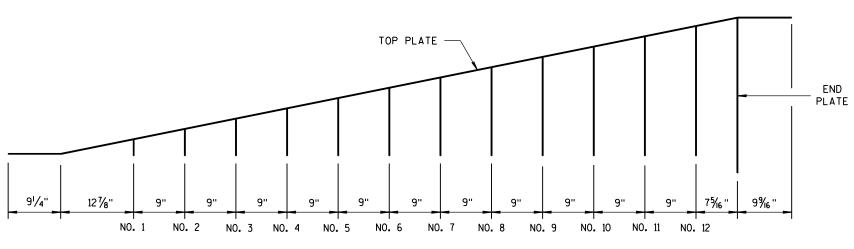
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 6

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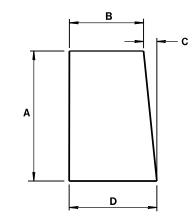




GUSSET LOCATION

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	85/6"	73//6"	7∕8"	81/16 "								
5	101/8"	7''	1 ½ ₆ "	81/16"								
6	11 ¹⁵ / ₁₆ ''	6 ¹³ // ₆ "	1 1/4"	81/16"								
7	13¾"	65%"	1 1/6"	81/16"								
8	15% "	6¾6"	1 % "	81/16"								
9	173/8"	6 ¹ /4"	1 ¹³ / ₁₆ "	8½ ₆ "								
10	193/6"	6½ ₆ "	1 15/16 "	81/16 "								
11	21"	57/8"	23/6"	81/16"								
12	22 ¹³ / ₁₆ "	5 ¹¹ / ₁₆ "	2% "	8½ ₆ "								

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"

DEPARTMENT OF TRANSPORTATION

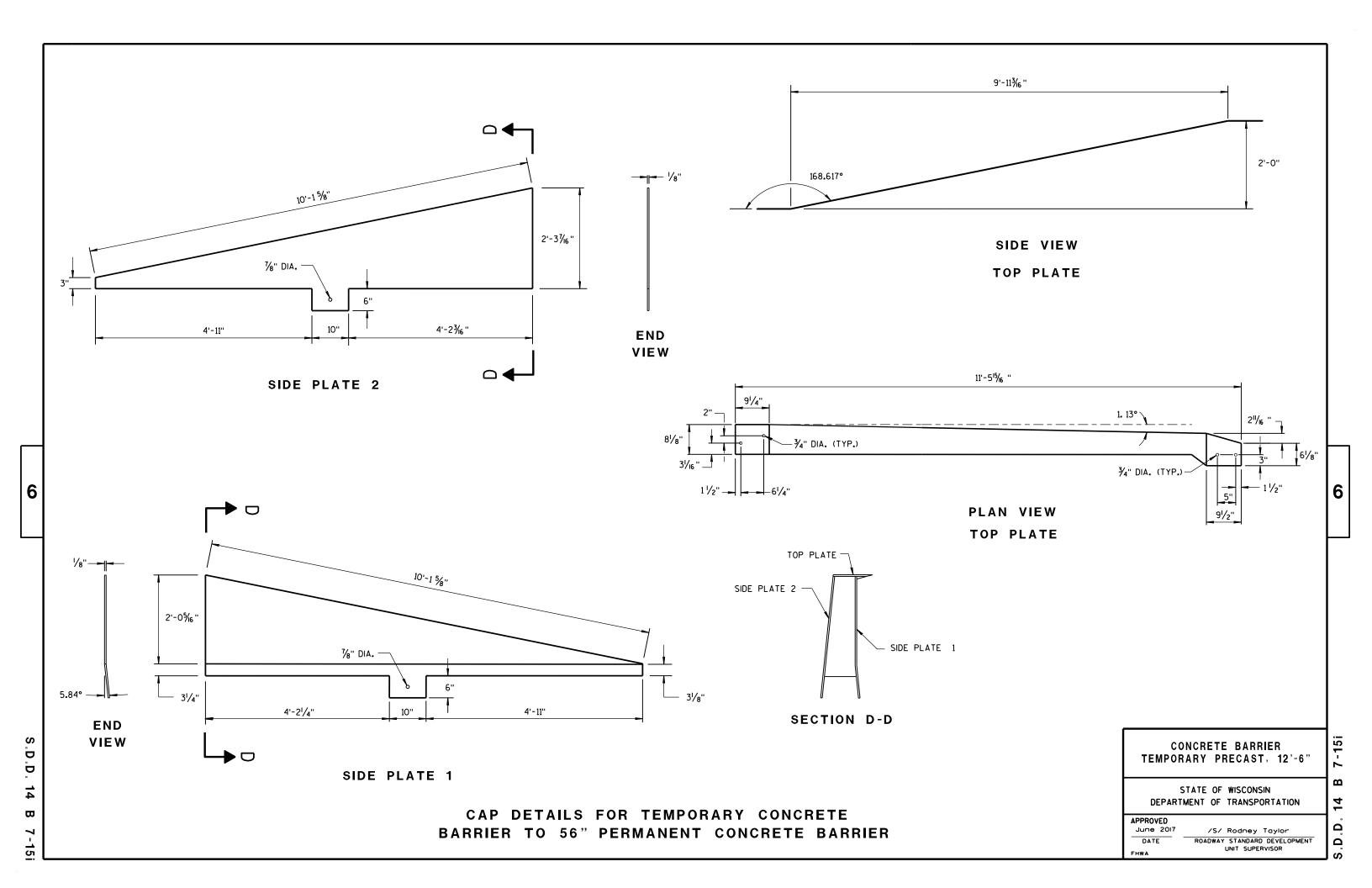
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STATE OF WISCONSIN

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GENERAL NOTES

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

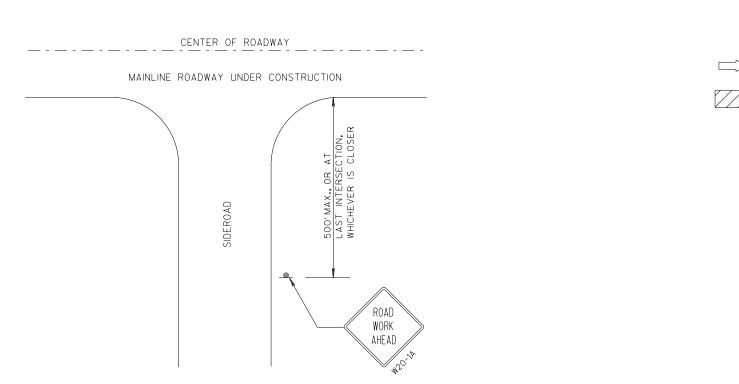
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

- imes OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.
- ** PLACE ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



LEGEND

SIGN ON PERMANENT SUPPORT

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DIRECTION OF TRAFFIC

WORK AREA

TRAFFIC CONTROL, ADVANCE
WARNING SIGNS 45 M.P.H.
OR GREATER TWO-WAY
UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018 /S/ Andrew Heidtke

DATE WORK ZONE ENGINEER

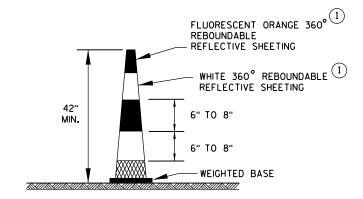
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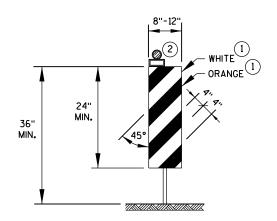
TYPE 2 BARRICADE

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



42" CONE

DO NOT USE IN TAPERS 1/2 SPACING OF DRUMS

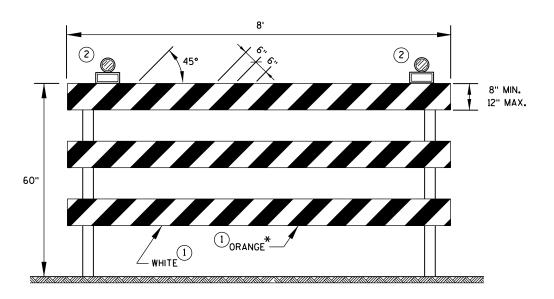


VERTICAL PANEL

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

GENERAL NOTES

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



TYPE 3 BARRICADE

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

* IF USED FOR A PERMANENT APPLICATION, USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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APPROVED

June 2017
DATE

WORK ZONE ENGINEER
FHWA

S.D.D. 15 C 1

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STOP/SLOW PADDLE ON SUPPORT STAFF

5' MIN.

WORK

AHEAD

48" X 24"

END ROAD WORK G20-2A

(2)

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W20-1A

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

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

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

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS. PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

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

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT. REMOVE TEMPORARY RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

* UTILIZE TEMPORARY RUMBLE STRIPS WHEN FLAGGING OPERATION IS ANTICIPATED TO BE STATIONARY IN EXCESS OF TWO HOURS.

- 1) FOR A MOVING WORK OPERATION, SIGNING AND TEMPORARY RUMBLE STRIPS (IF USED) SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3,500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.
- SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.
- EACH TEMPORARY RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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

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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 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

WORK ZONE ENGINEER

TRAFFIC CONTROL DRUM

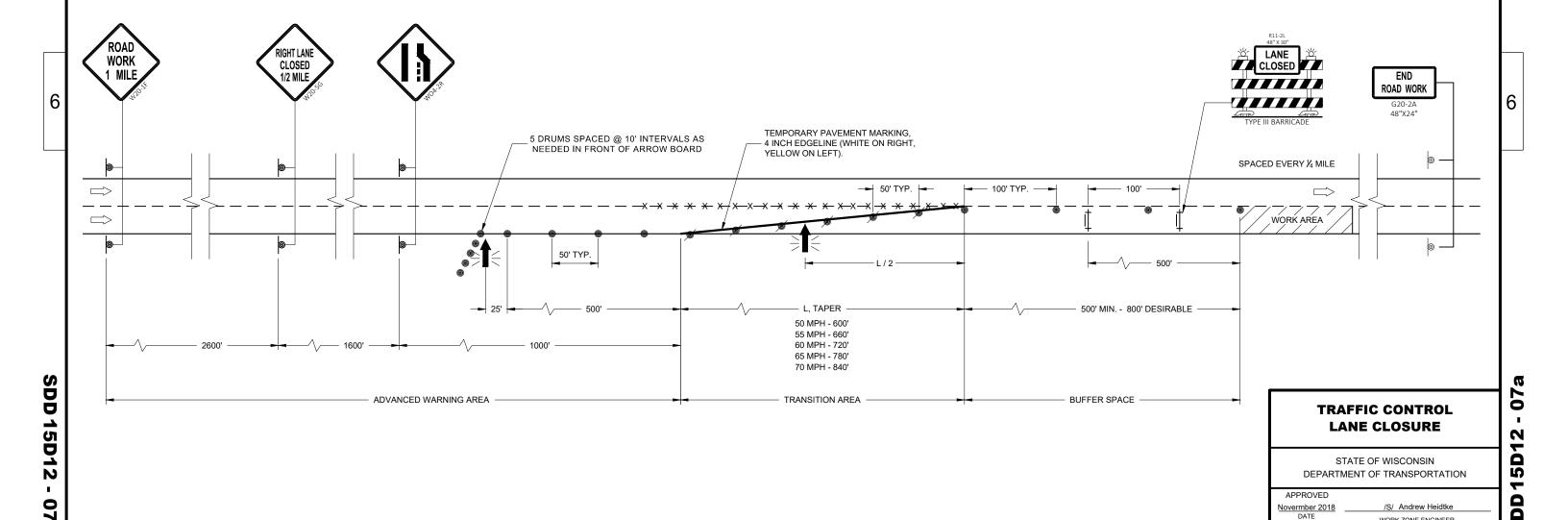
TYPE "A" WARNING LIGHT (FLASHING)

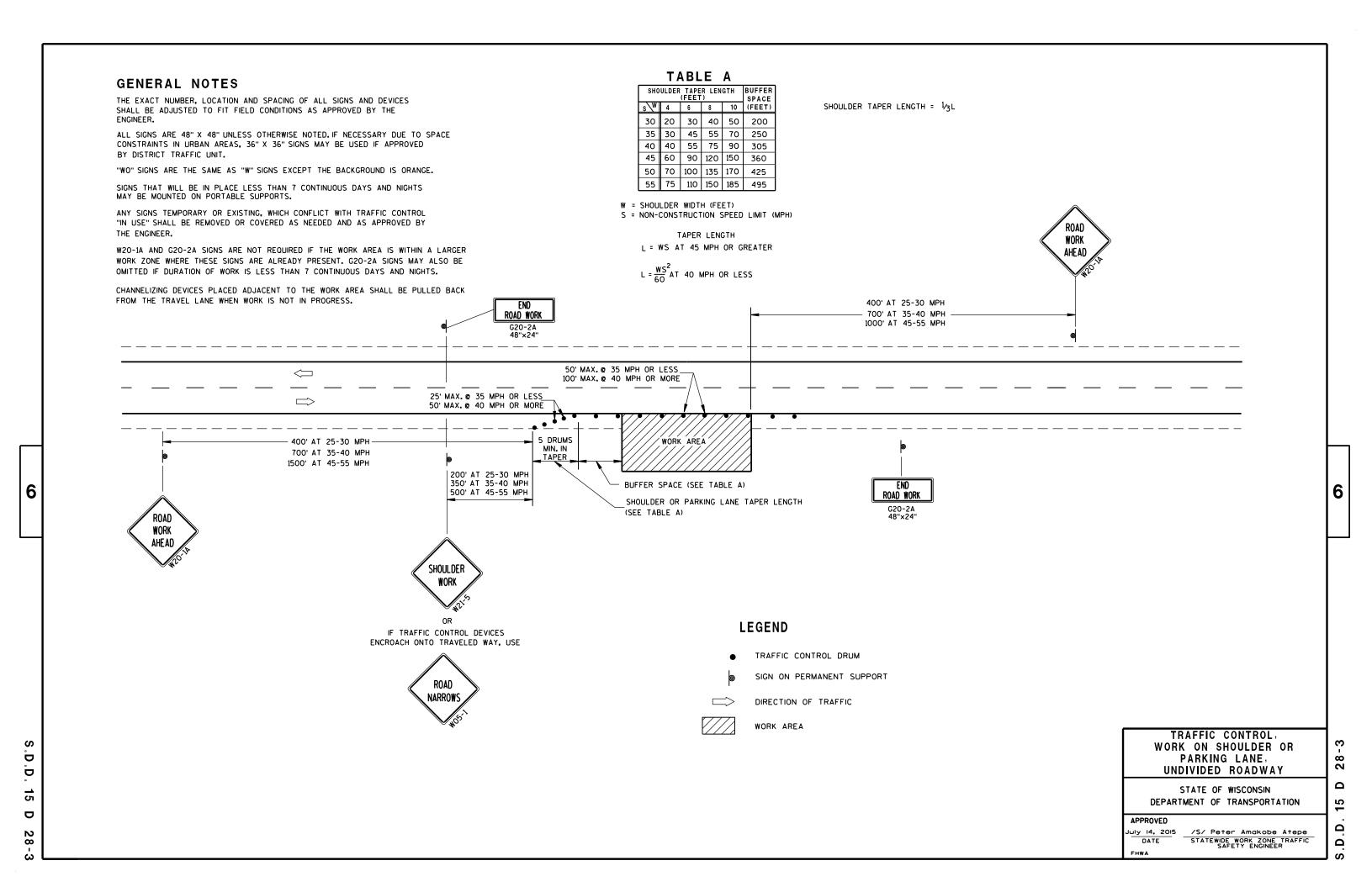
REMOVING PAVEMENT MARKING

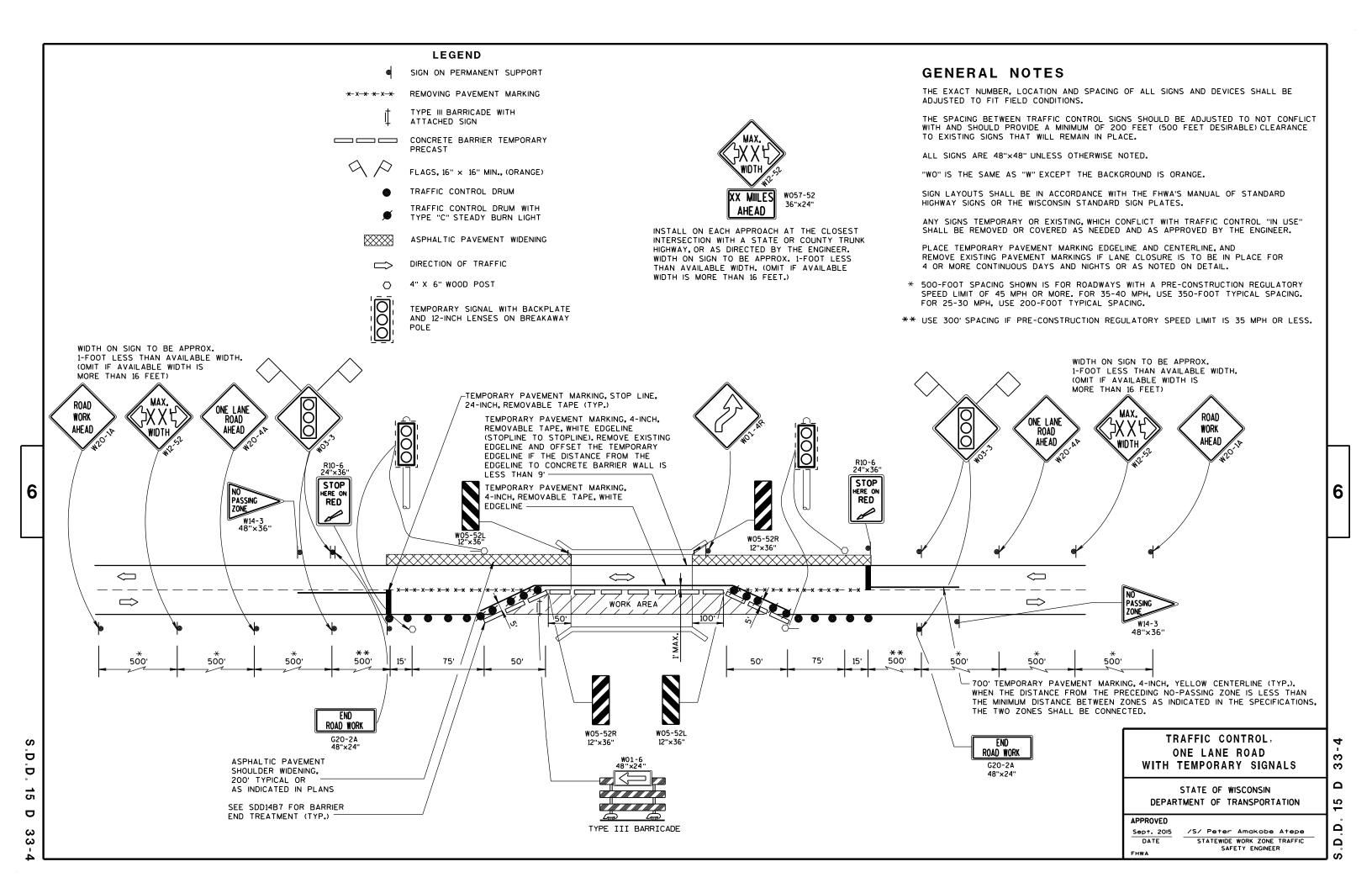
DIRECTION OF TRAFFIC

WORK AREA

FLASHING ARROW BOARD









TUBULAR STEEL POSTS

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

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

URBAN AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

WOOD POST **EMBEDMENT DEPTH**

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

4" X 6" WOOD POST

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

WASHERS (ALL POSTS) -

1-1/4" O.D. X 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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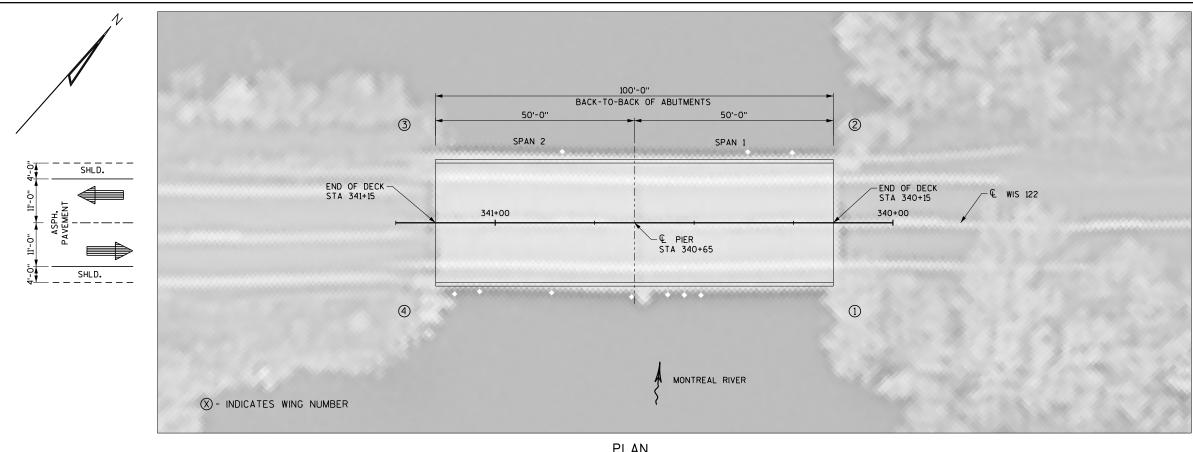
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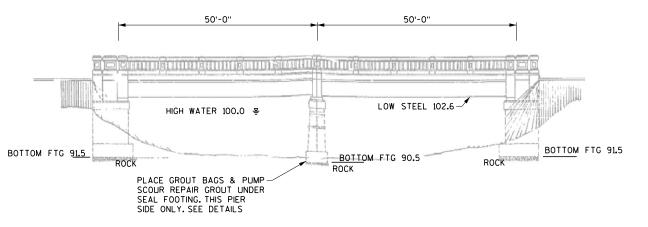
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PLAN 2 SPAN - STEEL DECK GIRDER



SCONS DANIEL C. DURIG E-28013 BARABOO,

8 GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS. SEE TRAFFIC CONTROL PLANS FOR STAGING AND WORK ZONE

DESIGN DATA

MATERIAL PROPERTIES: CONCRETE MASONRY SUPERSTRUCTURE -= 4,000 PSI = 3,500 PSI HIGH STRENGTH BAR STEEL = 60,000 PSI REINFORCEMENT, GRADE 60 CONCRETE MASONRY GROUT -

ELEVATION

NOTE: RAILING SHOWN IS FROM ORIGINAL 1928 PLANS. RAILING WAS REPLACED WITH TYPE "W" RAILING IN 1986.

LIVE LOAD

DESIGN LOAD RATING: HS20 INVENTORY LOAD RATING: HS24 (TAKEN FROM HSI, 7-16-18)

OPERATING LOAD RATING: HS41 (TAKEN FROM HSI, 7-16-18) WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) - 250 KIPS (TAKEN FROM HSI, 7-16-18) 1. GENERAL PLAN

TRAFFIC DATA

A.A..D.T.=200 (2010) A.A..D.T.=370 (2023) R.D.S.=55 MPH

LIST OF DRAWINGS

- 2. CROSS SECTION & QUANTITIES
- 3. PIER DETAILS
- 4. PIER PHOTO DETAILS

BRIDGE OFFICE CONTACT: WILLIAM DREHER (608) 266-8489

CONSULTANT CONTACT DANIEL DURIG (608) 241-5481

BAXTER WOODMAN 2005 W. Beltline Hwy Ste 201 ACCEPTED William C. Drehe SDR 11/07/18 CHIEF STRUCTURES DESIGN ENGINEER STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION STRUCTURE B-26-671 WIS 122 OVER MONTREAL RIVER COUNTY TOWN/CITY/VILLAGE SAXON DESIGN SPEC. REHABILITATION N/A

DESIGNED DESIGN BAB DRAWN DCD PLANS BY DCD CK'D. BAB SHEET 1 OF 4 **GENERAL** PLAN

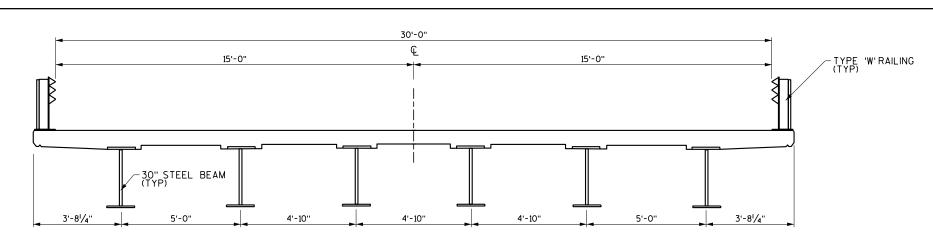
STATE PROJECT NUMBER 1009-44-68

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STATE PROJECT NUMBER

1009-44-68



CROSS SECTION THRU EXISTING BRIDGE (LOOKING NORTHEAST)

8 TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEM	UNIT	WEST ABUT	PIER 1	EAST ABUT	SUPER	TOTAL	REMARKS
SPV.0035.01	SCOUR REPAIR GROUT	CY	0	1	0	0	1	SEAL FTG REPAIR
SPV.0035.02	SCOUR REPAIR GROUT BAGS	CY	0	10	0	0	10	SEAL FTG REPAIR
SPV.0105.03	UNDERWATER EXCAVATION FOR STRUCTURES (B-26-671)	LS	-	(13 CY)*	-	-	1	SEAL FTG REPAIR

*ESTIMATED QUANTITIES

NO. DATE REVISION BY

ORIGINAL PLANS PREPARED BY

BAXTER WOODMAN

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-26-671

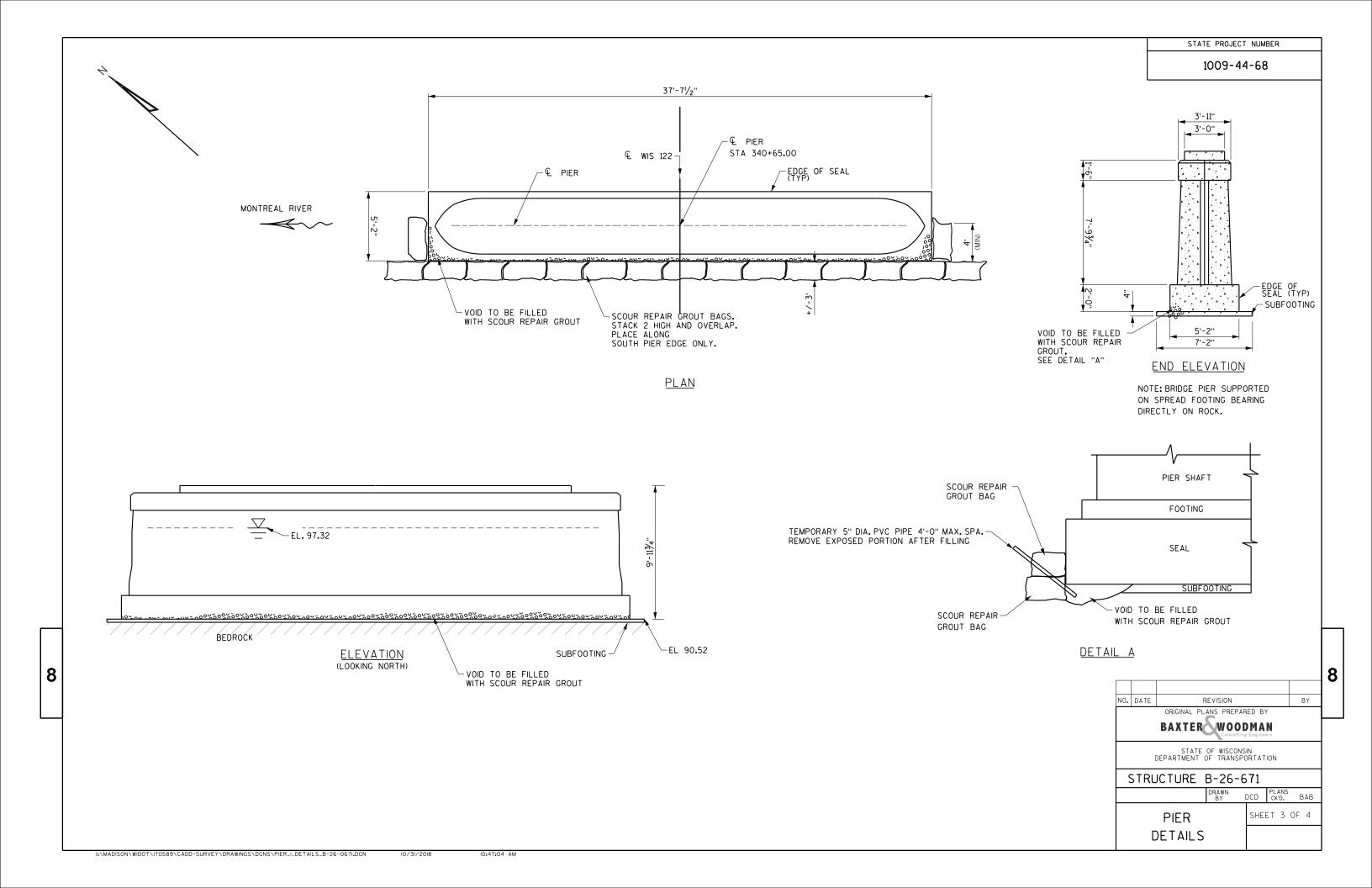
| DRAWN BY DCD PLANS CKD. BAB

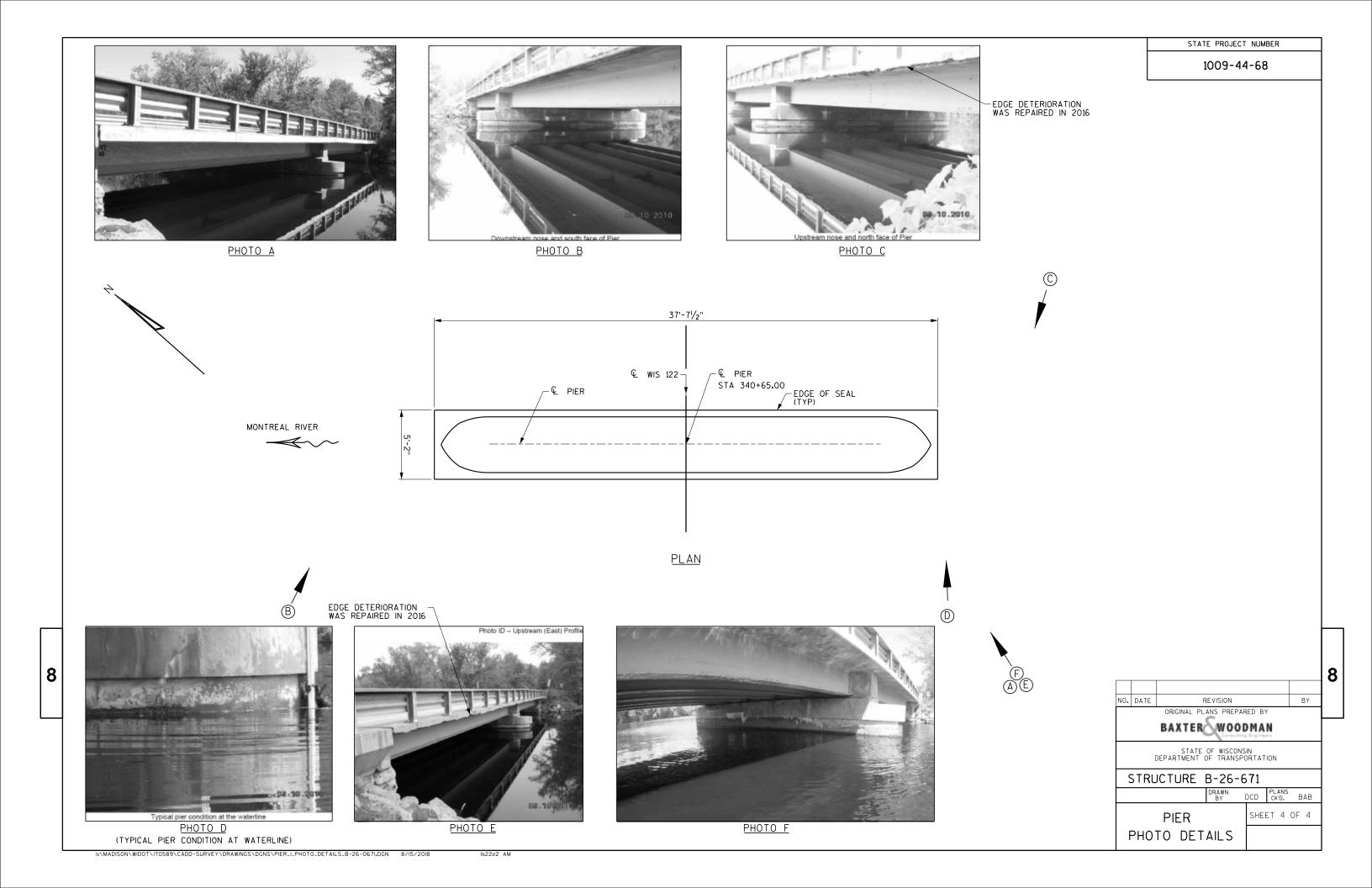
CROSS SECTION SHEET 2 OF 4

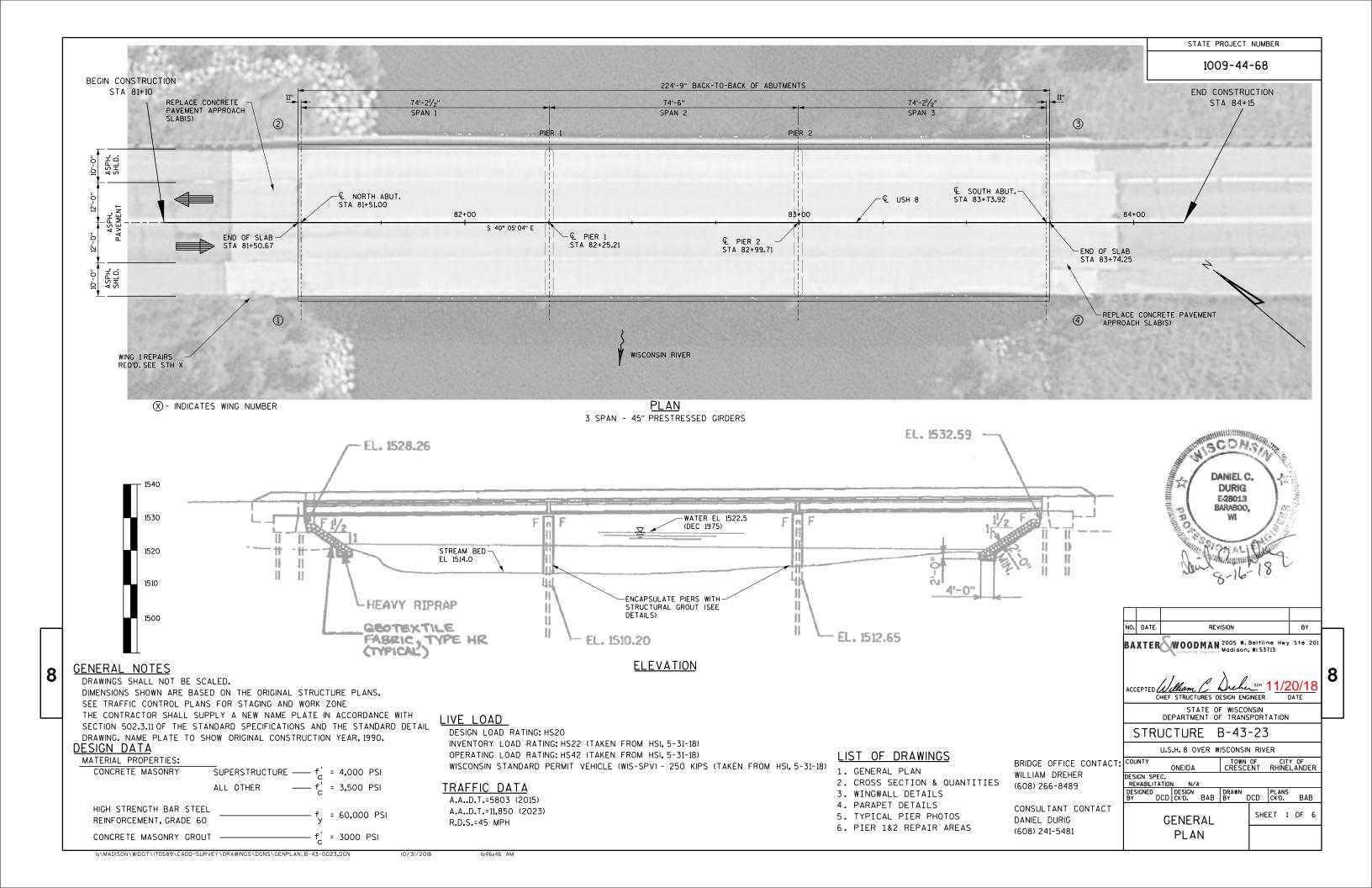
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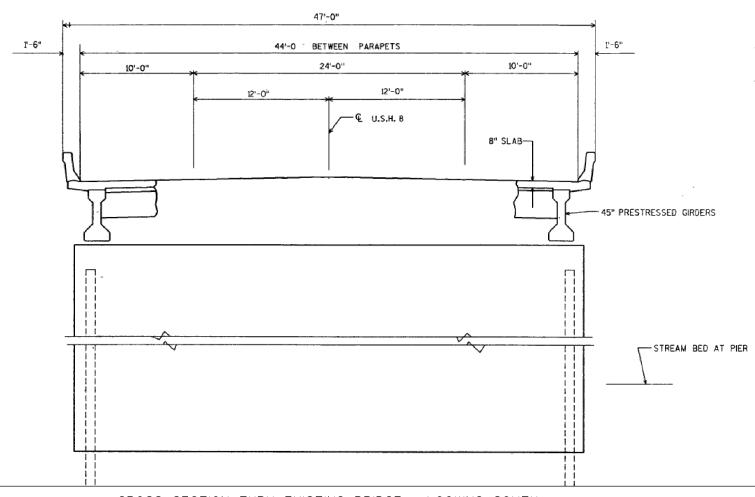






STATE PROJECT NUMBER

1009-44-68



CROSS SECTION THRU EXISTING BRIDGE - LOOKING SOUTH

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEM	UNIT	NORTH ABUT	PIER 1	PIER 2	SOUTH ABUT	SUPER	TOTAL	REMARKS
203.0200	REMOVING OLD STRUCTURE (STA 81+30)	LS	-	-	-	-	-	1	NW WINGWALL
206.1000	EXCAVATION FOR STRUCTURES BRIDGES (B-43-23)	LS	(15 CY)*	-	-	-	-	1	NW WINGWALL
210.1500	BACKFILL STRUCTURE TYPE A	TON	30	0	0	0	0	30	NW WINGWALL
502.0100	CONCRETE MASONRY BRIDGES	CY	2	0	0	0	0	2	NW WINGWALL
502.3210	PIGMENTED SURFACE SEALER	SY	4	0	0	0	0	4	NW WINGWALL PARAPET
502.4204	ADHESIVE ANCHORS NO. 4 BAR	EACH	10	0	0	0	0	10	NW WINGWALL
502.4205	ADHESIVE ANCHORS NO. 5 BAR	EACH	3	0	0	0	0	3	NW WINGWALL
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	200	0	0	0	0	200	NW WINGWALL
509.1500	CONCRETE SURFACE REPAIR	SF	6	0	0	0	0	6	ABUT FACE - NE BRIDGE CORNER
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	15	0	0	0	0	15	NW WINGWALL
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	1	0	0	0	0	1	NW WINGWALL PARAPET
SPV.0165.01	UNDERWATER CONCRETE SURFACE REPAIR	SF	0	21	24	0	0	45	PIERS

*ESTIMATED QUANTITY

8

NO. DATE REVISION BY

ORIGINAL PLANS PREPARED BY

BAXTER WOODMAN

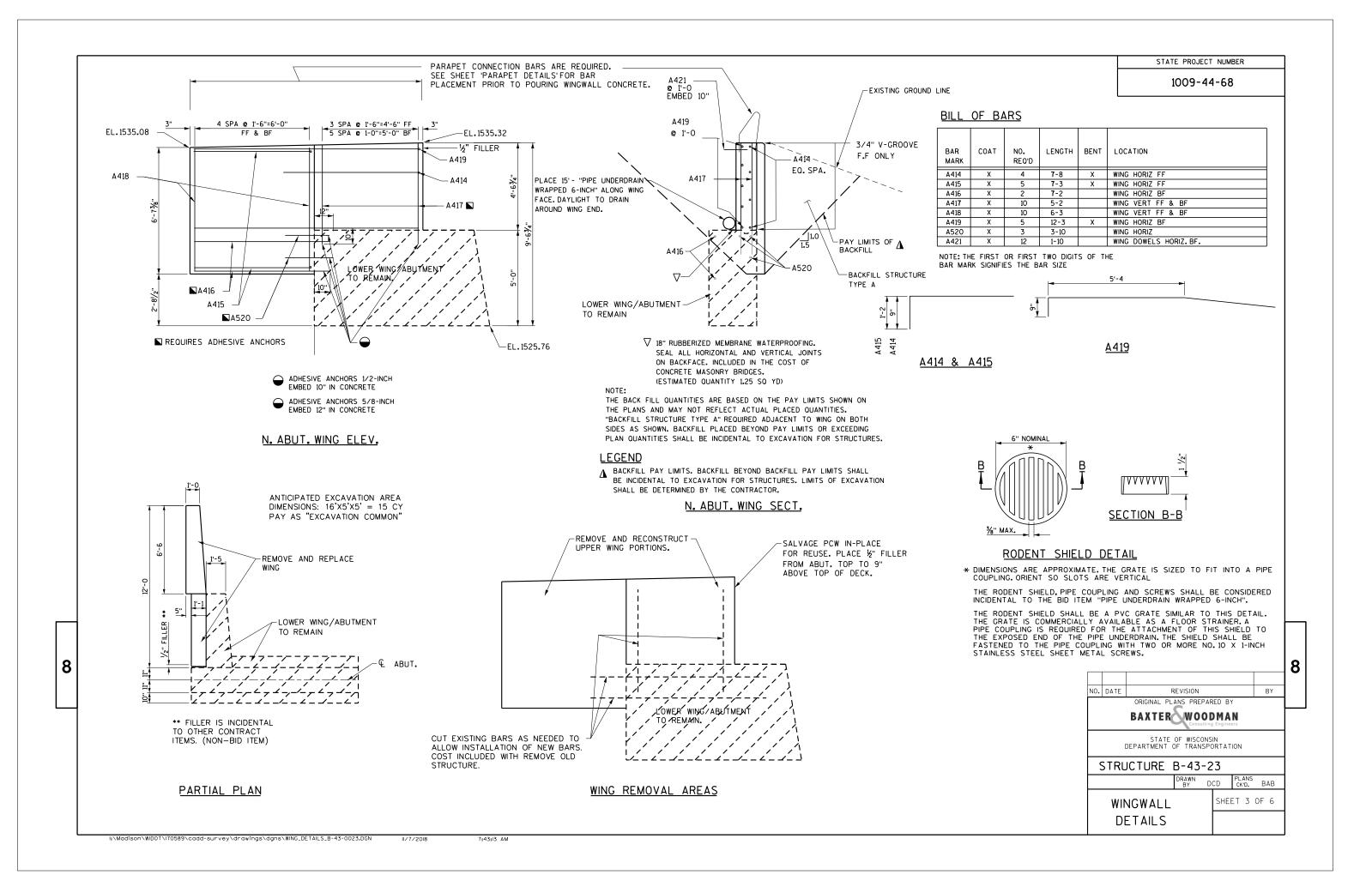
Consulting Engineers

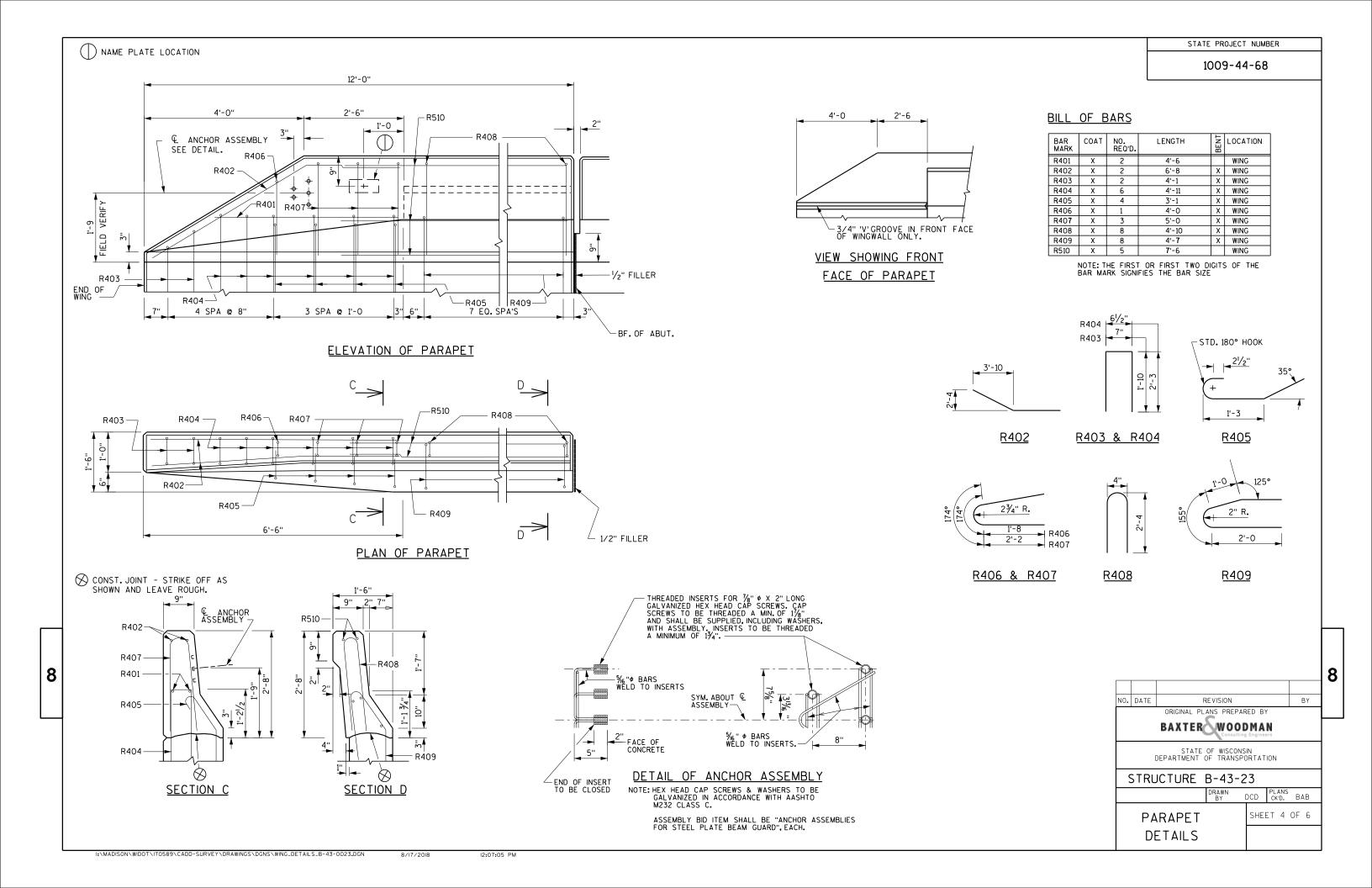
DEPARTMENT OF TRANSPORTATION

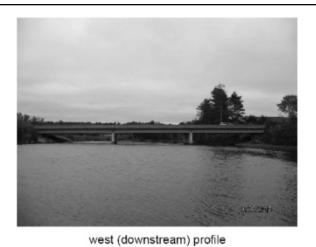
STRUCTURE B-43-23

DRAWN
BY DCD PLANS
CK'D. BAB

CROSS SECTION
& QUANTITIES







(LOOKING EAST - UPSTREAM)

(ASTAMS

east (upstream) profile

(LOOKING WEST - DOWNSTREAM)



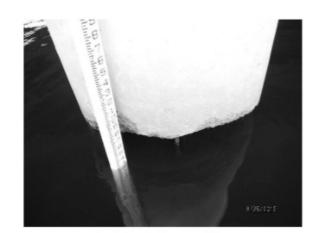
pier 1-south face

(PIER 1 - SOUTH FACE)



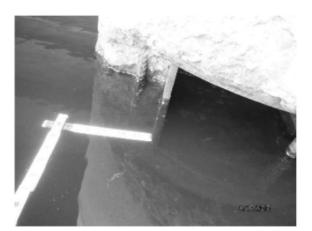
pier 1-north face

(PIER 1 - NORTH FACE)



typical waterline condition

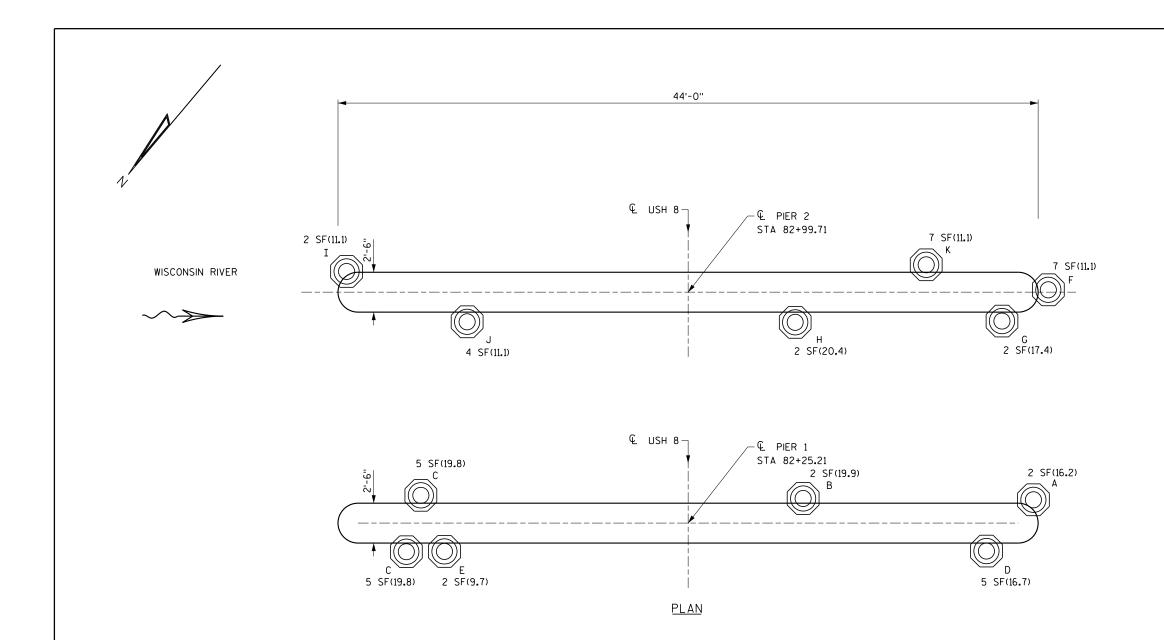
(TYPICAL PIER CONDITION AT WATERLINE)



rust nodules on steel bellow water

(TYPICAL PIER CONDITION AT WATERLINE)

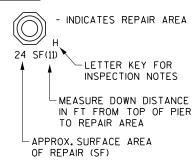
NO. DATE REVISION B										
	ORIGINAL PLANS PREPARED BY									
	BAXTER WOODMAN									
	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION									
9	STRL	JCTURE	B-43-2	23						
			DRAWN BY	DCD	PLANS CK'D.	BAB				
	TYF	PICAL PI	SHEET 5 OF 6							
		PHOTO								



STATE PROJECT NUMBER

1009-44-68

LEGEND



GENERAL NOTES

TOP OF WATER IS LOCATED +/- 9.7 FT FROM THE TOP OF PIER 1 AND +/- 11.1 FT FROM THE TOP OF PIER 2.

SUPPLEMENTAL REPAIR AREA NOTES

8

A - VOID 3" H X 2.5'W X 10" D AT 3'ABOVE STREAM BED

B - VOID 6" H X 1.5' W X 1'D AT THE STREAMBED

C - VOID 1'-3" H X 4'W AT THE STREAMBED (SAME ON OPPOSITE SIDE OF PIER)

D - VOID 15" H X 4'W X 4" D AT THE STREAMBED

E - VOID 4" H X 2.5'W X 4" D AT THE WATER SURFACE

F - VOID 2'-3" H X 3'W X 1'D AT THE WATER SURFACE

G - VOID 6" H X 1.5' W X 6" D AT 4' ABOVE THE STREAMBED

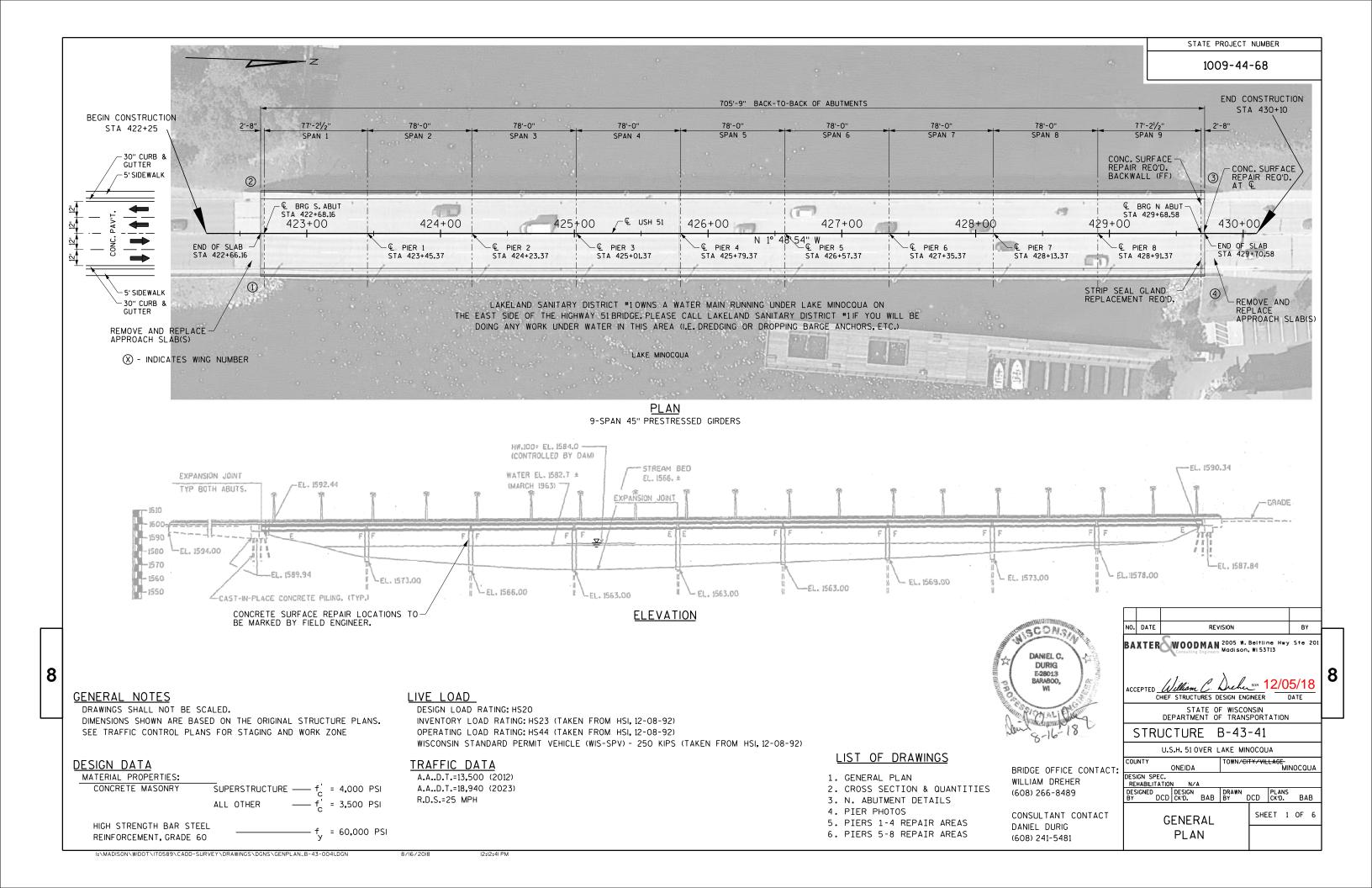
H - VOID 1'H X 2'W X 6" D AT 1'ABOVE THE STREAMBED

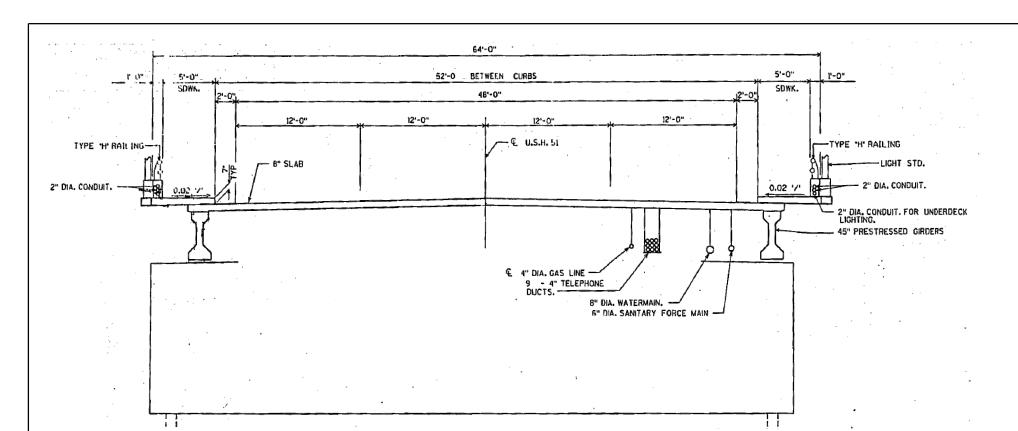
I - VOID 15" H X 21" W X 4" D AT THE WATER SURFACE

J - VOID 9" H X 3.5'W X 3" D AT THE WATER SURFACE

K - VOID 1'H X 7'W X 6" D AT THE WATER SURFACE

8 BY NO. DATE REVISION ORIGINAL PLANS PREPARED BY BAXTER WOODMAN STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURE B-43-23 DCD PLANS CK'D. BAB SHEET 6 OF 6 PIER 1&2 REPAIR AREAS





CROSS SECTION THRU EXISTING BRIDGE - LOOKING NORTH

TOTAL ESTIMATED QUANTITIES

8

	BID ITEM NUMBER	BID ITEM	UNIT	SOUTH ABUT	PIER 1	PIER 2	PIER 3	PIER 4	PIER 5	PIER 6	PIER 7	PIER 8	NORTH ABUT	SUPER	TOTAL	REMARKS
П	509.1500	CONCRETE SURFACE REPAIR	SF	0	0	0	2	21	2	9	3	0	52	0	89	PIERS, N ABUT BACKWALL & STRIP SEAL
П	SPV.0060.02	STRIP SEAL GLAND REPLACEMENT	EACH	0	0	0	0	0	0	0	0	0	1	0	1	N ABUT
П	SPV.0165.01	UNDERWATER CONCRETE SURFACE REPAIR	SF	0	14	21	42	51	15	0	0	12	0	0	155	PIERS

NO. DATE REVISION BY

ORIGINAL PLANS PREPARED BY

BAXTER WOODMAN

Consulting Engineers

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-43-41

DRAWN
BY DCD PLANS
CKD. BAB

CROSS SECTION
& QUANTITIES

STATE PROJECT NUMBER

1009-44-68

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CONCRETE SURFACE REPAIR REQ'D. REPAIR AREAS TO BE DESIGNATED BY THE ENINGEER.



NORTH ABUT.
(WEST BRIDGE EDGE)



NORTH ABUT.
(1ST INTERIOR GIRDER BAY)



NORTH ABUTMENT (STRIP SEAL)



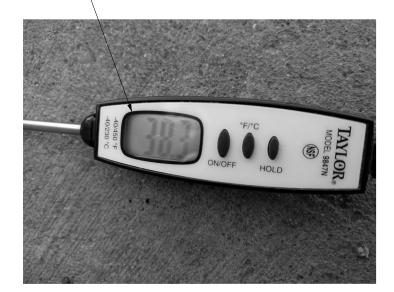
-REMOVE & REPLACE STRIP SEAL GLAND.

(STRIP SEAL AT SIDEWALK/GUTTER)

-1 1/4" JOINT OPENING AT 38° F



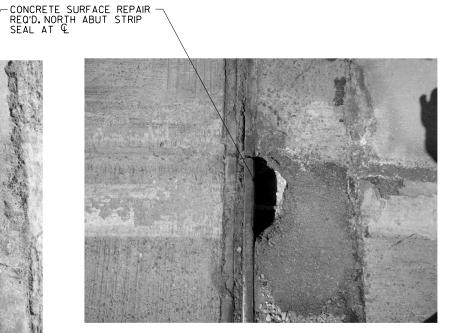
NORTH ABUT.
(STRIP SEAL GAP MEASUREMENT)



NORTH ABUT. (STRIP SEAL GAP - TEMPERATURE)



NORTH ABUTMENT (STRIP SEAL AT &)



NORTH ABUTMENT (STRIP SEAL AT €)

NO. DATE REVISION BY

ORIGINAL PLANS PREPARED BY

BAXTER WOODMAN
Consulting Engineers

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-43-41

DRAWN
BY DCD PLANS
CKD. BAB

N. ABUT.
DETAILS

8

1009-44-68

PIER 1 (EAST PIER NOSE)



PIER 2 (EAST PIER NOSE)



PIER 3 (EAST PIER NOSE)



PIER 4 (EAST PIER NOSE)



PIER 5 (EAST PIER NOSE)



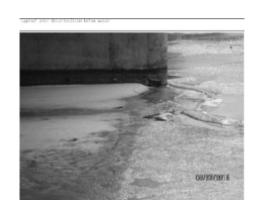
PIER 6 (EAST PIER NOSE)



PIER 7 (EAST PIER NOSE)

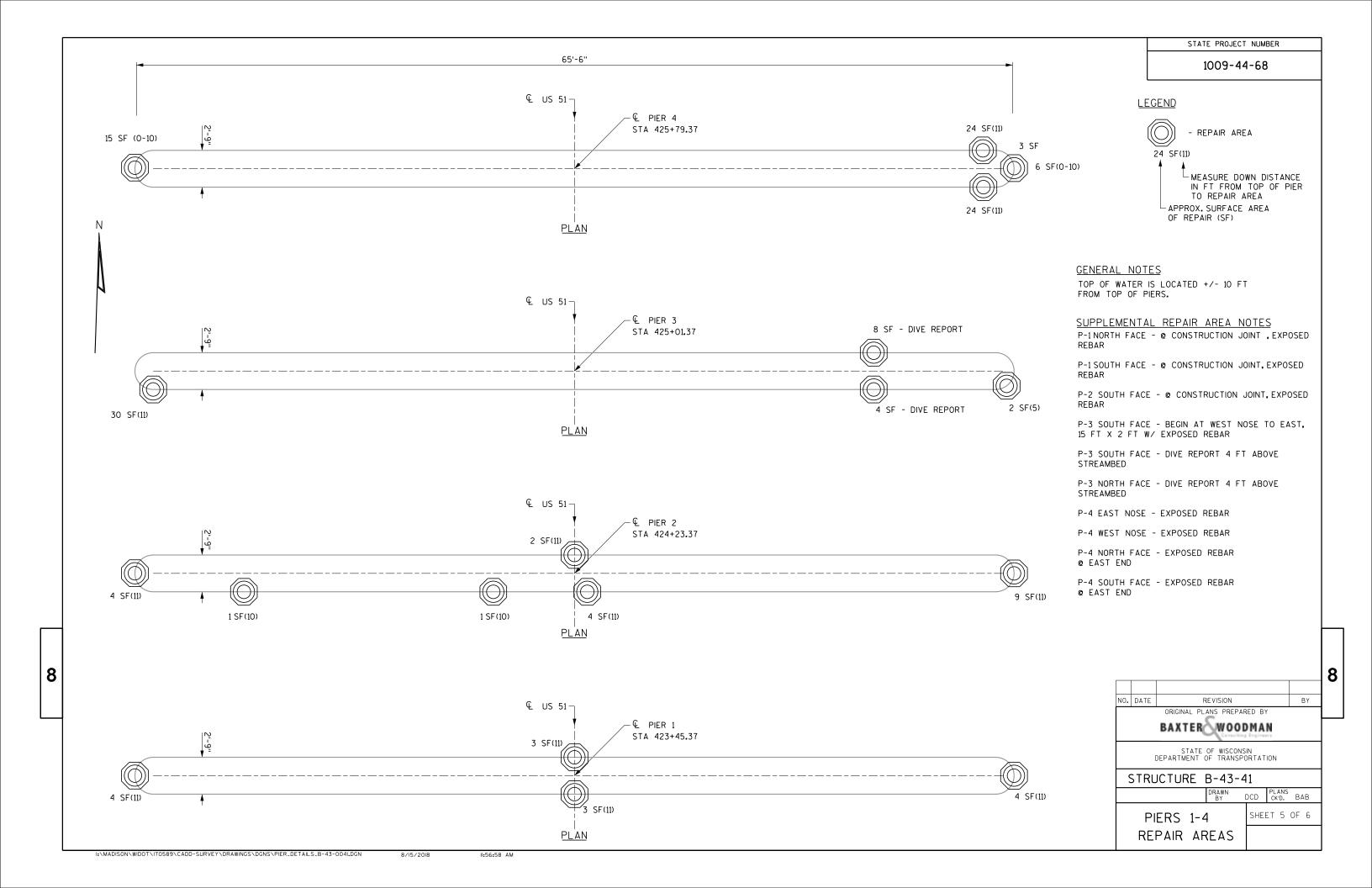


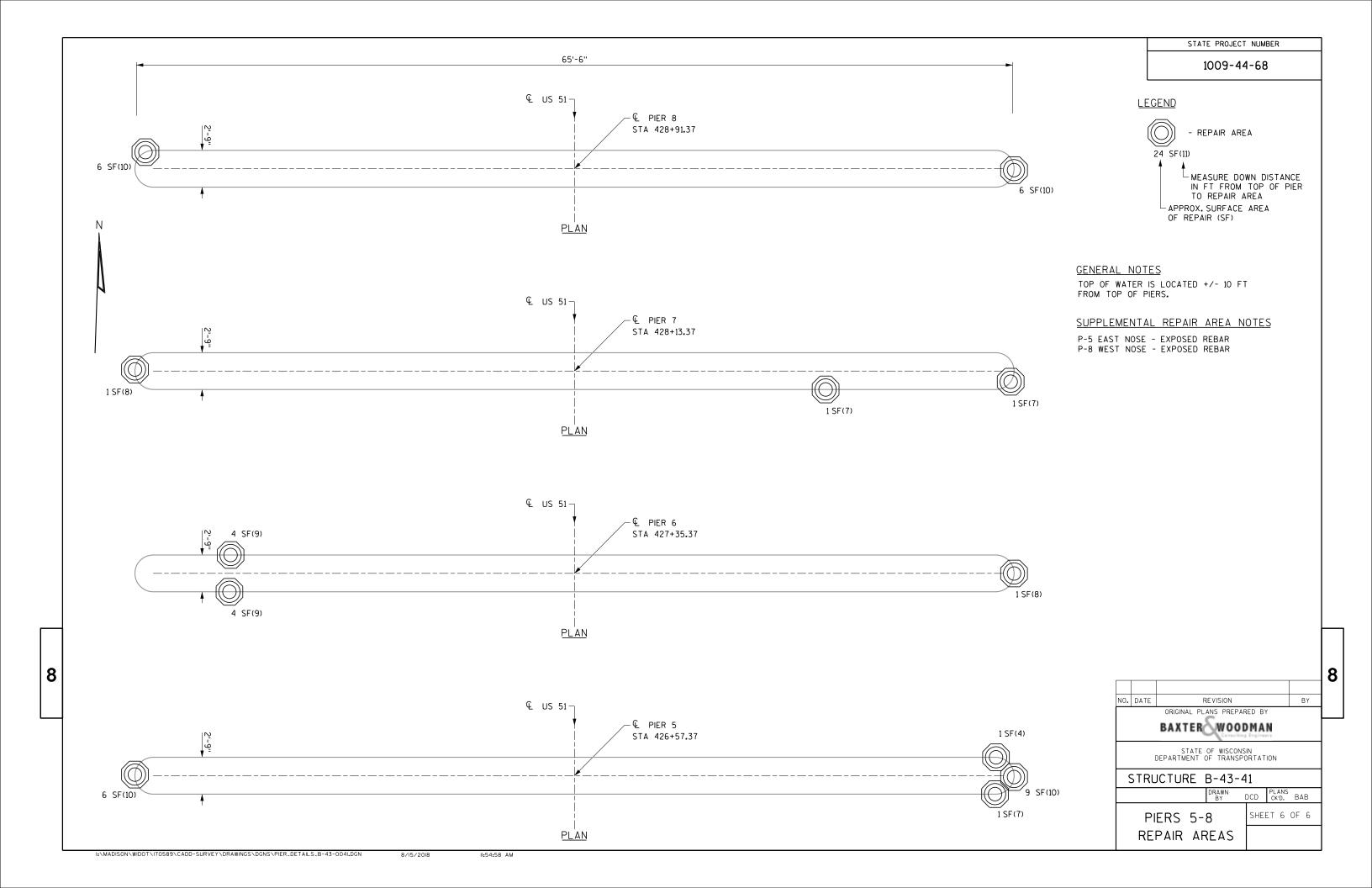
PIER 8 (EAST PIER NOSE)

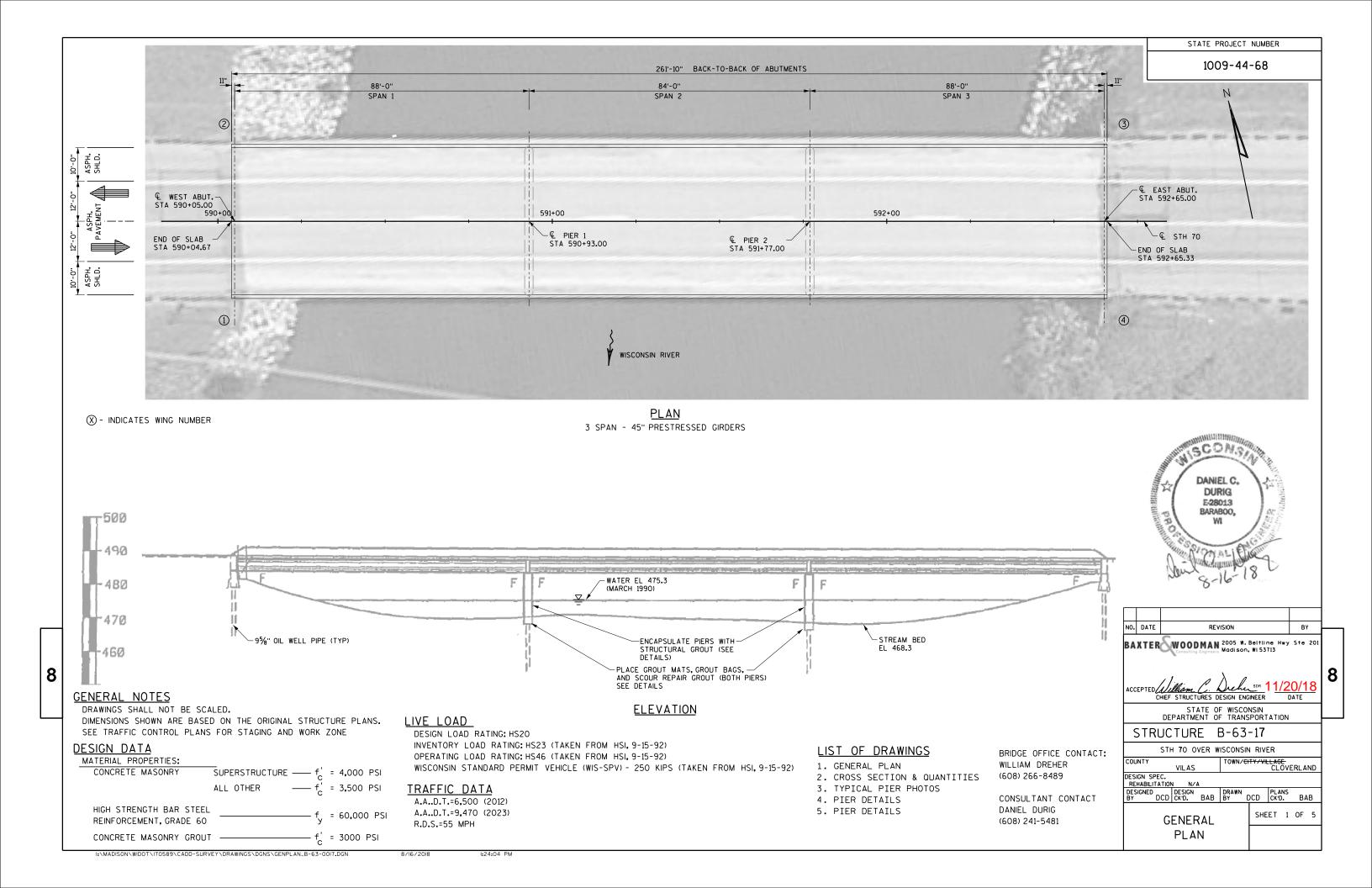


<u>PIER</u> (note deterioration below waterline)

8								
l								
	BY			REVISION	F	DATE	NO.	
		,	RED B	ANS PREPAR	ORIGINAL PL			
	BAXTER WOODMAN							
	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION							
			1	B-43-4	JCTURE	STRL	0,	
]	BAB	PLANS CK'D.	DCD	DRAWN BY I				
	OF 6	ET 4	SHEI	PIER				
)S	PHOTO			

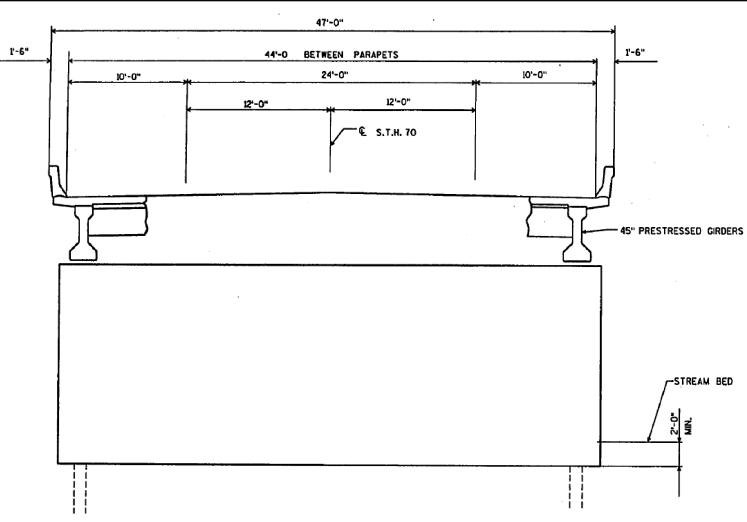








1009-44-68



CROSS SECTION THRU EXISTING BRIDGE - LOOKING EAST

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEM	UNIT	WEST ABUT	PIER 1	PIER 2	EAST ABUT	SUPER	TOTAL	REMARKS
502.4204	ADHESIVE ANCHORS NO. 4 BAR	EACH	0	130	130	0	0	260	PIER ENCASEMENT
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	0	281	281	0	0	562	PIER ENCASEMENT
SPV.0035.02	SCOUR REPAIR GROUT BAGS	CY	0	22	22	0	0	44	PIER ENCASEMENT
SPV.0035.04	STRUCTURAL GROUT	CY	0	24	24	0	0	48	PIER ENCASEMENT
SPV.0060.01	PREPARATION AND ANCHORAGE FOR VINYL SHEET PILING	EACH	0	1	1	0	0	2	PIER ENCASEMENT
SPV.0105.02	UNDERWATER EXCAVATION FOR STRUCTURES (B-63-17)	LS	0	(4 CY)*	(4 CY)*	0	0	1	PIER ENCASEMENT
SPV.0165.02	PILING VINYL SHEET PERMANENT DELIVERED AND INSTALLED	SF	0	864	864	0	0	1728	PIER ENCASEMENT
SPV.0165.03	PREPARATION OF PIER SURFACES	SF	0	864	864	0	0	1728	PIER ENCASEMENT
SPV.0165.04	WELDED WIRE FABRIC 6X6 D4/D4 (GRADE 60)	SF	0	864	864	0	0	1728	PIER ENCASEMENT

^{*}ESTIMATED QUANTITIES

8

NO. DATE REVISION BY

ORIGINAL PLANS PREPARED BY

BAXTER WOOD MAN

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

STRUCTURE B-63-17

DRAWN BY DCD PLANS BAB

CROSS SECTION SHEET 2 OF 5

& QUANTITIES

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B-63-017 (HONEY BEAR BRIDGE)

STH 70 over WISCONSIN RIVER 53 May 10,2016



(DOWNSTREAM BRIDGE FACE - LOOKING EAST)



(DOWNSTREAM NOSE AND SOUTH PIER FACE)



(UPSTREAM NOSE AND NORTH PIER FACE)



(PIER 2 - LOOKING WEST)

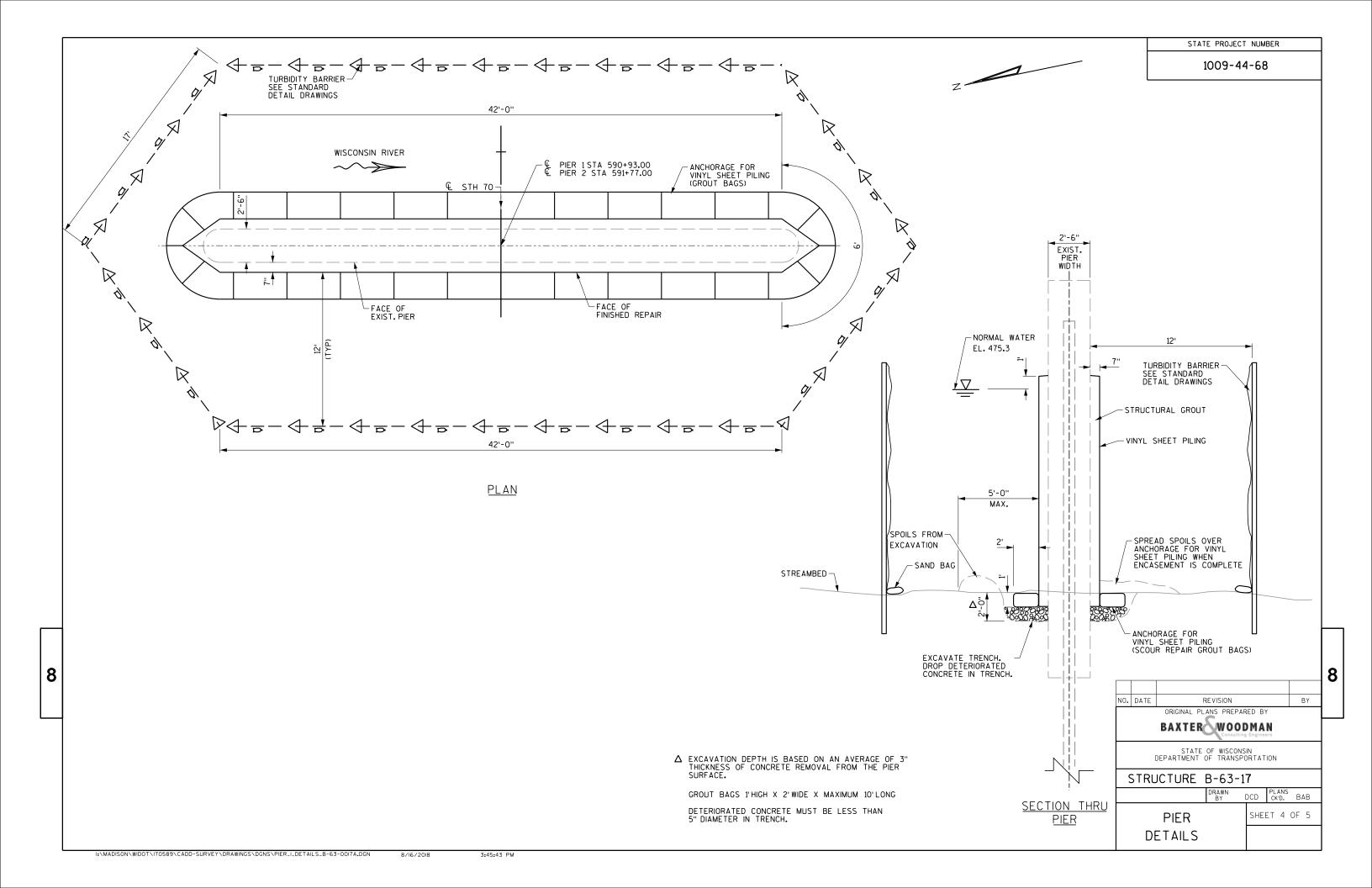


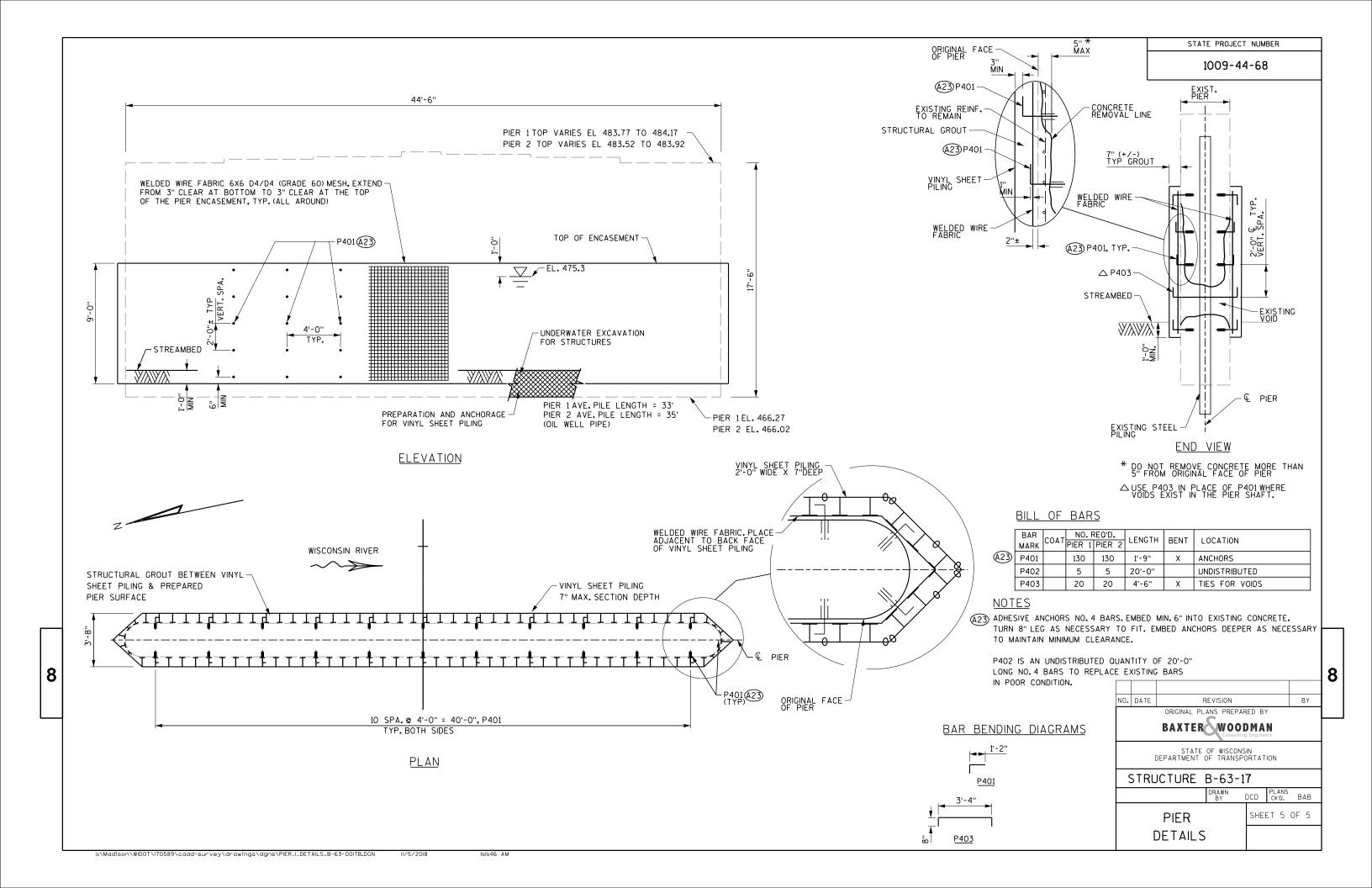
(PIER 1 - LOOKING EAST)



(SOUTEAST BRIDGE QUADRANT)

NO.	NO. DATE REVISION									
		ORIGINAL PL	ANS PREPAR	RED BY						
	BAXTER WOODMAN Consulting Engineers									
	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION									
[;	STRL	JCTURE	B-63-1	7						
			DRAWN BY	DCD PLANS	BAB					
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		PHOTO								





Notes



Wisconsin Department of Transportation

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