NOVEMBER 2017 ORDER OF SHEETS

Section No. Section No.

Section No.

Section No.

Section No Section No. Typical Sections and Details Estimate of Quantities Section No.

> Sign Plates Structure Plans

STATE OF WISCONSIN **DEPARTMENT OF TRANSPORTATION**

PLAN OF PROPOSED IMPROVEMENT

R-18-E

FEDERAL PROJECT STATE PROJECT PROJECT CONTRACT WISC 2017615 1120-60-71 WISC 2017616 1130-49-71 WISC 2017618 1517-13-71

APPLETON - KAUKAUNA

CAPITOL DRIVE OVERPASS

IH 41

OUTAGAMIE

STATE PROJECT NUMBER

1120-60-71

R-17-E

APPLETON - GREEN BAY

WCL RR/ MALONEY RD BRIDGES

IH - 41 **OUTAGAMIE**

STATE PROJECT NUMBER 1130-49-71

R-15-E

WAUPACA - APPLETON

DALE ROAD OVERPASS

USH 10 WINNEBAGO

STATE PROJECT NUMBER 1517-13-71

R-16-E

TOTAL SHEETS = 42



DESIGN DESIGNATION

A.A.D.T. 2015 A.A.D.T. D.H.V. = 57/43 D.D. = 13.6% **DESIGN SPEED ESALS**

CONVENTIONAL SYMBOLS

PLAN CORPORATE LIMITS PROPERTY LINE LIMITED HIGHWAY EASEMENT EXISTING RIGHT OF WAY PROPOSED OR NEW R/W LINE SLOPE INTERCEPT REFERENCE LINE EXISTING CULVERT PROPOSED CULVERT COMBUSTIBLE FLUIDS MARSH AREA

PROFILE GRADE LINE ORIGINAL GROUND __ ROCK_ MARSH OR ROCK PROFILE (To be noted as such) SPECIAL DITCH GRADE ELEVATION CULVERT (Profile View) UTILITIES ELECTRIC FIBER OPTIC SANITARY SEWER STORM SEWER

B-44-0042

B-44-0020/21 -

B-44-0024

UTILITY PEDESTAL

POWER POLE TELEPHONE POLE

KAU-4 MILE

T-20-N Winneconne 中VINLAID

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

B-70-0163/0164

PREPARED BY Designer

WOODED OR SHRUB AREA

N:\PDS\C3D\11304900\SHEETSPLAN\010101_TI.DWG LAYOUT NAME - 010101_ti

PLOT DATE: 5/4/2017 1:04 PM

TOTAL NET LENGTH OF CENTERLINE =

SIMMONS, MASON A

1

2

DNR AREA LIAISON

MATTHEW SCHAEVE DEPARTMENT OF NATURAL RESOURCES 2984 SHAWANO AVE GREEN BAY, WI 54303 PHONE: 920-662-5472 EMAIL: MATTHEW.SCHAEVE@WISCONSIN.GOV

JIM DOPERALSKI
DEPARTMENT OF NATURAL RESOURCES
2984 SHAWANO AVE
GREEN BAY, WI 54303
PHONE: 920-662-5119
EMAIL: JIM.DOPERALSKI@WISCONSIN.GOV

COUNTY SURVEYOR OR SURVEYS CONTACT PERSON

CORMAC MCINNIS NORTHEAST REGIONAL SURVEY COORDINATOR 944 VANDERPERREN WAY GREEN BAY, WI 54304 PHONE: 920-492-5638 EMAIL: CORMAC.MCINNIS@DOT.WI.GOV

FILE NAME:

GENERAL NOTES

THE LOCATIONS OF EXISTING & PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.



UTILITIES

ERIC MILLER
KAUKAUNA UTILITIES - ELECTRICITY
777 ISLAND STREET
PO BOX 1777
KAUKAUNA, WI 54130 -7077
(920) 462-0214
EMILLER@KU-WI.ORG

JOSEPH KASSAB AT&T WISCONSIN - COMMUNICATIONS LINE 221 WEST WASHINGTON ST. APPLETON, WI 54911-4742 (920) 735-3206 JK572K@ATT.COM

KEVIN OBIALA KAUKAUNA UTILITIES - WATER 777 ISLAND ST PO BOX 1777 KAUKAUNA, WI 54130-7077 (920) 462-0233 KOBIALA@KU-WI.ORG

STEVE JAKUBIEC
TDS METROCOM - COMMUNICATION LINE
10 COLLEGE AVE. SUITE 218A
APPLETON, WI 54911
(920) 882-4166
STEVE.JAKUBIEC@TDSTELECOM.COM

VINCENT ALBIN
TIME WARNER CABLE - COMMUNICATION
LINE
3520 E DESTINATION DR.
APPLETON, WI 54915
(920) 831-9249
VINCE.ALBIN@TWCABLE.COM

KEN VAN OSS WE ENERGIES - ELECTRICITY 333 WEST EVERETT ST, ROOM A299 MILWAUKEE, WI 53203 (920) 380-3318 KENNETH.VAN-OSS@WE-ENERGIES.COM

HEATHER DEUTH
WE ENERGIES - GAS/PETROLEUM
333 WEST EVERETT ST, ROOM A299
MILWAUKEE, WI 53203
(920) 242-5633
HEATHER.DEUTH@WE-ENERGIES.COM

BYRON WALLESER
WISCONSIN PUBLIC SERVICE CORPORATION ELECTRICITY
3300 N. MAIN ST
OSHKOSH, WI 54901
(920) 236-5912
BEWALLESER@WISCONSINPUBLICSERVICE.COM

PROJECT NO: 1120-60-71 HWY: IH 41 COUNTY: OUTAGAMIE/WINNEBAGO PLAN: GENERAL NOTES SHEET **E**





FILE NAME: N:\PDS\C3D\11304900\SHEETSPLAN\020201_PO.DWG PLOT DATE: 1/24/2017 11:08 AM PLOT BY: SIMMONS, MASON A PLOT NAME: 1 IN:200 FT LAYOUT NAME - 020201_po



FILE NAME: N:\PDS\C3D\11304900\SHEETSPLAN\020202_PO.DWG PLOT BY: SIMMONS, MASON A PLOT NAME: PLOT BY: SIMMONS, MASON A PLOT NAME: 1 in 200 FT LAYOUT NAME - Plan 1 in 200 FT



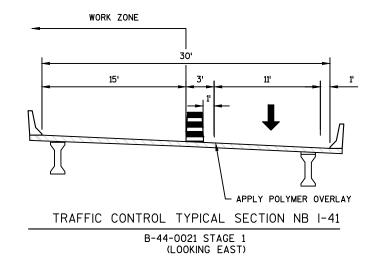
APPLY POLYMER OVERLAY

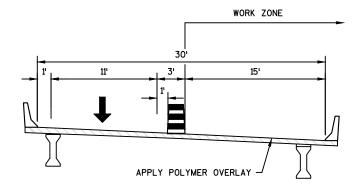
WORK ZONE

15'

TRAFFIC CONTROL TYPICAL SECTION SB I-41

B-44-0020 STAGE 2
(LOOKING EAST)





TRAFFIC CONTROL TYPICAL SECTION NB I-41

B-44-0021 STAGE 2
(LOOKING EAST)

WORK ZONE

40'

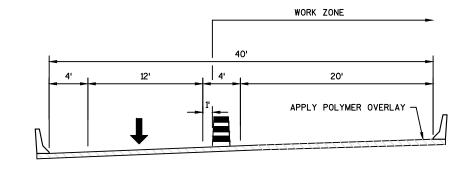
20'

4'

12'

4'

APPLY POLYMER OVERLAY



TRAFFIC CONTROL TYPICAL SECTION SB I-41

B-44-0042 STAGE 2
(LOOKING EAST)

TRAFFIC CONTROL TYPICAL SECTION SB I-41

B-44-0042 STAGE 1
(LOOKING EAST)

PROJECT NO:1130-49-71

HWY: IH 41

COUNTY: OUTAGAMIE

TY

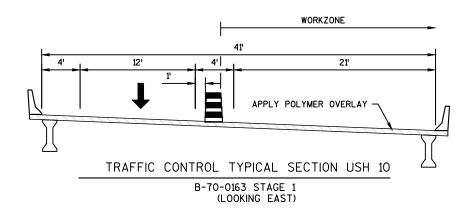
PLOT DATE : 5/4/2017 7:52 AM

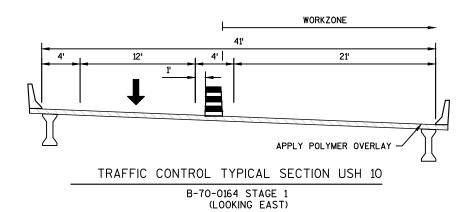
TYPICAL SECTION: STAGE CONSTRUCTION

PLOT SCALE : 1 IN:10 FT

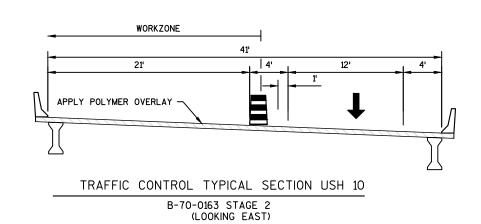
WISDOT/CADDS SHEET 42

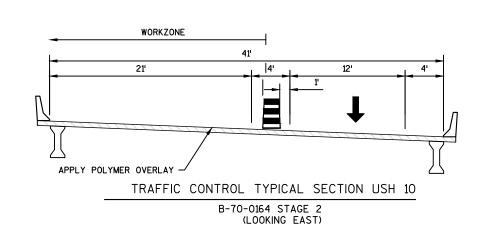
SHEET



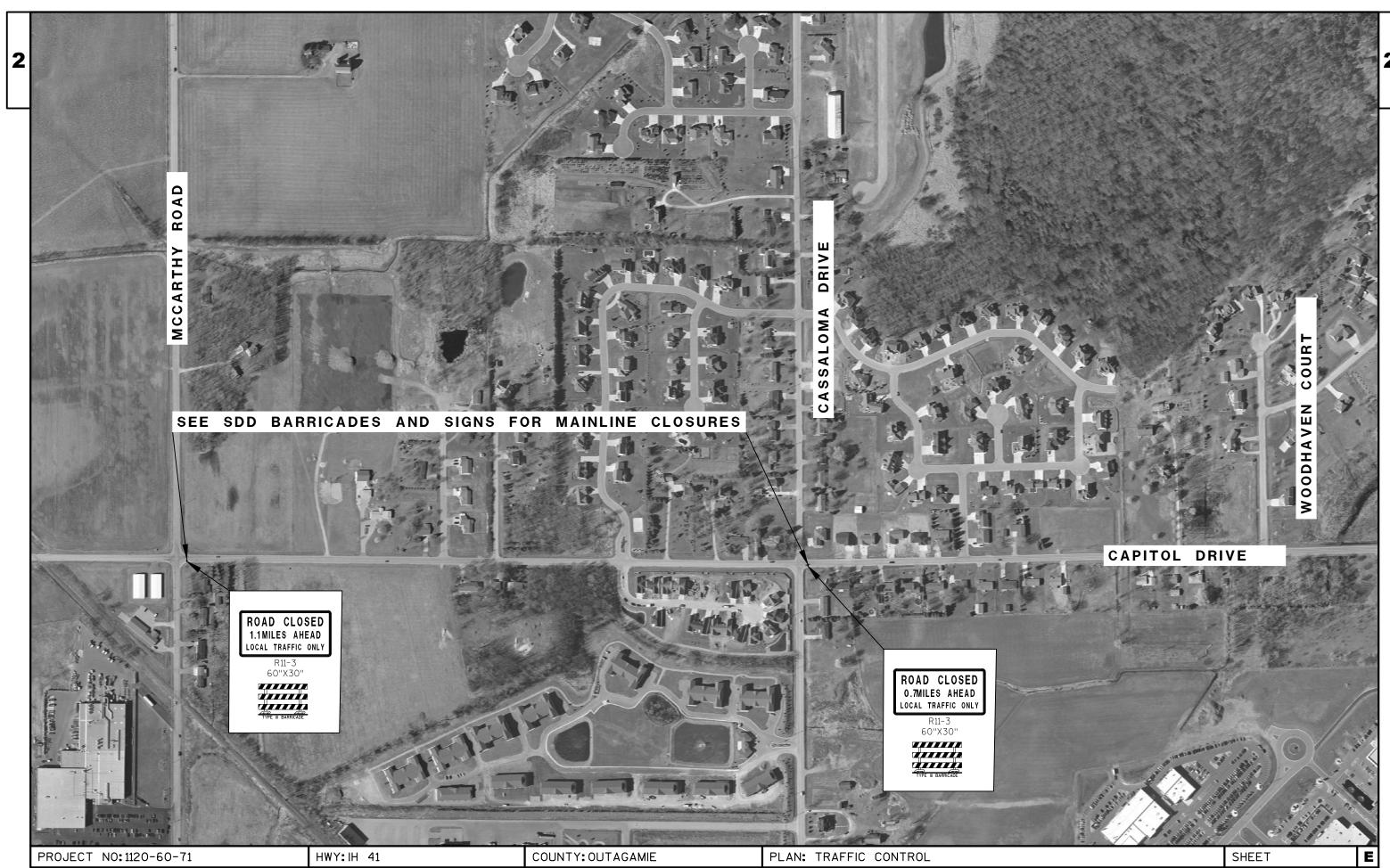


HWY: USH 10





PROJECT NO: 1517-13-71









N:\PDS\C3D\11304900\SHEETSPLAN\025001_TC.DWG LAYOUT NAME - 025001_tc PLOT DATE : 5/4/2017 10:43 AM SIMMONS, MASON A PLOT NAME : PLOT SCALE: 1 IN:50 FT & 1 IN:50 FT FILE NAME :



FILE NAME: N:\PDS\C3D\11304900\SHEETSPLAN\025001_TC.DWG PLOT DATE: 5/4/2017 10:43 AM PLOT BY: SIMMONS, MASON A PLOT NAME: _____ PLOT SCALE: 1 IN:50 FT & 1 IN:50 FT WISDOT/CADDS SHEET 42 LAYOUT NAME - 025002_tc



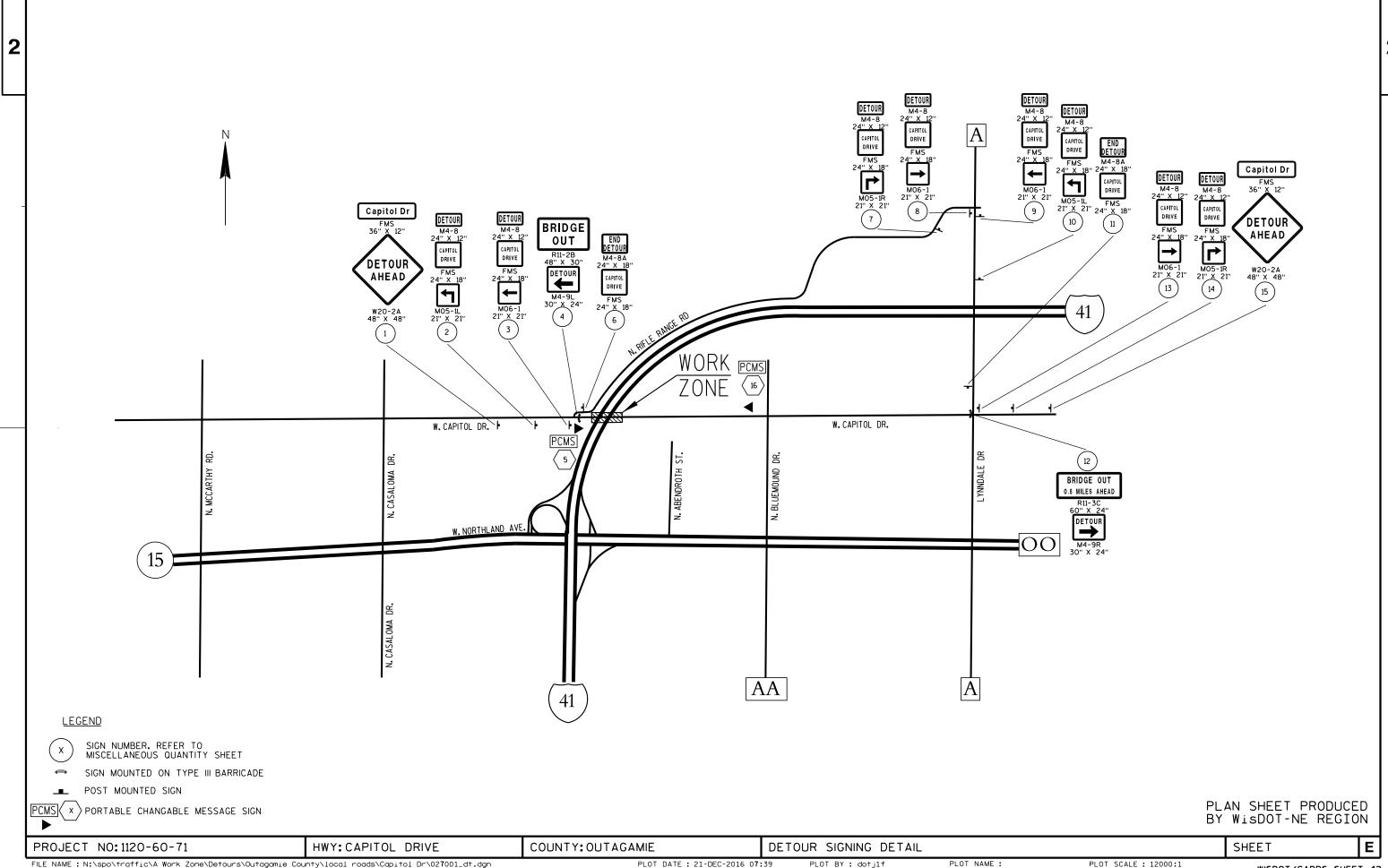


N:\PDS\C3D\11304900\SHEETSPLAN\025004_TC.DWG LAYOUT NAME - 025004_tc PLOT DATE : SIMMONS, MASON A PLOT NAME : 5/4/2017 10:44 AM PLOT SCALE : 1 IN:200 FT



FILE NAME : N:\PDS\C3D\11304900\SHEETSPLAN\025004_TC.DWG PLOT BY: SIMMONS, MASON A PLOT NAME : PLOT SCALE : 1 IN:200 FT WISDOT/CADDS SHEET 44

LAYOUT NAME - 025005_tc



FILE NAME: N:\spo\traffic\A Work Zone\Detours\Outagamie County\local roads\Capitol Dr\027001_dt.dgn

PLOT DATE: 21-DEC-2016 07:39

PLOT NAME :

PLOT SCALE: 12000:1

					1120-60-71	1130-49-71	1517-13-71
Line	Item	Item Description	Unit	Total	Qty	Qty	Qty
0002	203.0225.S	Debris Containment (structure) 03. B-44-0024	LS	1.000	1.000		
0004	213.0100	Finishing Roadway (project) 05. 1120-60-71	EACH	1.000	1.000		
0006	213.0100	Finishing Roadway (project) 06. 1130-49-71	EACH	1.000		1.000	
8000	213.0100	Finishing Roadway (project) 08. 1517-13-71	EACH	1.000			1.000
0010	502.3200	Protective Surface Treatment	SY	743.000	743.000		
0012	502.3210	Pigmented Surface Sealer	SY	830.000	223.000	345.000	262.000
0014	509.0301	Preparation Decks Type 1	SY	258.000	258.000		
0016	509.0302	Preparation Decks Type 2	SY	121.000	121.000		
0018	509.0500	Cleaning Decks	SY	717.000	717.000		
0020	509.2000	Full-Depth Deck Repair	SY	14.000	14.000		
0022	509.2500	Concrete Masonry Overlay Decks	CY	40.000	40.000		
0024	509.5100.S	Polymer Overlay	SY	2,565.000		1,393.000	1,172.000
0026	618.0100	Maintenance And Repair of Haul Roads (project) 02. 1120-60-71	EACH	1.000	1.000		
0028	619.1000	Mobilization	EACH	1.000	0.340	0.330	0.330
0030	643.0100	Traffic Control (project) 01. 1120-60-71	EACH	1.000	1.000		
0032	643.0100	Traffic Control (project) 07. 1130-49-71	EACH	1.000		1.000	
0034	643.0100	Traffic Control (project) 09. 1517-13-71	EACH	1.000			1.000
0036	643.0300	Traffic Control Drums	DAY	1,350.000	300.000	625.000	425.000
0038	643.0420	Traffic Control Barricades Type III	DAY	781.000	746.000	25.000	10.000
0040	643.0705	Traffic Control Warning Lights Type A	DAY	1,172.000	1,112.000	40.000	20.000
0042	643.0715	Traffic Control Warning Lights Type C	DAY	386.000	36.000	210.000	140.000
0044	643.0800	Traffic Control Arrow Boards	DAY	62.000	12.000	30.000	20.000
0046	643.0900	Traffic Control Signs	DAY	497.000	132.000	225.000	140.000
0048	643.0910	Traffic Control Covering Signs Type I	EACH	7.000		3.000	4.000
0050	643.1000	Traffic Control Signs Fixed Message	SF	36.000	36.000		
0052	643.1050	Traffic Control Signs PCMS	DAY	63.000	28.000	21.000	14.000
0054		•	DAY	10.000	_0.000	6.000	4.000
0056	643.2000	Traffic Control Detour (project) 04. 1120-60-71	EACH	1.000	1.000	2.233	
0058	643.3000	Traffic Control Detour Signs	DAY	1,080.000	1,080.000		
0060	646.0106	Pavement Marking Epoxy 4-Inch	LF	2,478.000	1,032.000	851.000	595.000
0062	649.0400	Temporary Pavement Marking Removable Tape 4-Inch	LF	7,200.000	,	4,320.000	2,880.000
0064	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	150.000	50.000	50.000	50.000
0066	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	300.000	100.000	100.000	100.000

TRAFFIC CONTROL DETOUR SIGN SUMMARY

]						643. 3000	643. 0420	643. 0705	643. 1000	643. 1050	
					APPROX.	TRAFFI C	BARRI CADES	WARNI NG	SI GNS	SI GNS	
				NUMBER	SERVI CE	CONTROL	TYPE III	LI GHTS	FI XED	PORTABLE	
				IN	PERI OD	DETOUR	TIPE III	TYPE A	MESSAGE	CHANGEABLE	
CLCM		SI GN	SI ZE	SERVI CE		SI GNS		TIPE A	MESSAGE	MESSAGE	
SI GN	LOCATI ON	CODE	W X H	SERVICE	45 DAYS	DAYS	DAYS	DAYS	CE	DAYS	REMARKS
NO.	CAPITOL DR, W. OF I-41, PLACE 1500' W. OF RIFLE RANGE RD	FMS	36"X12"	1		DAYS	DAYS	DAYS	SF	DAYS	CAPI TOL DR
	CAPITOL DR, W. OF 1-41, PLACE 1300 W. OF RIFLE RANGE RD			1	45	45			3		CAPITOL DR
	CADITOL DD. W. OF I 44. DIACE FOOL W. OF DIFTE DANCE DD.	W 20- 2A	48"X48"	1	45	45					
2	CAPITOL DR, W. OF I-41, PLACE 500' W. OF RIFLE RANGE RD	M 4-8	24"X12"	1	45	45			0		CARLEOL BRIDE
	"	FMS	24"X18"	1	45	45			3		CAPITOL DRIVE
	CARLED BROWN OF A 44 BLACE AT AMERICAN OF REFER RANGE BR	MO 5-1L	21"X21"	1	45	45					
3	CAPITOL DR, W. OF I-41, PLACE AT INTERSECTION OF RIFLE RANGE RD	M 4-8	24"X12"	1	45	45					0.57507 55775
	"	FMS	24"X18"	1	45				3		CAPI TOL DRI VE
l		MO 6-1	21"X21"	1	45	45					LEFT
4	CAPITOL DR, W. OF I-41, PLACE IN MIDDLE OF ROADWAY	R 11-2B	60"X24"	1	45	45	45	90			
	"	M 4-9L	30"X24"	1	45	45					
5		PCMS		1	45					7	PRIOR TO START OF PROJECT
6	RIFLE RANGE RD, N. OF CAPITOL DR, PLACE 500' PRIOR TO CAPITOL DR INTERSECTION	M 4-8A	24"X18"	1	45	45					
	"	FMS	24"X18"	1	45				3		CAPITOL DRIVE
7	RIFLE RANGE RD, W. OF LYNNDALE DR, PLACE 500' PRIOR TO LYNNDALE DR INTERSECTION	M 4-8	24"X12"	1	45	45					
	"	FMS	24"X18"	1	45				3		CAPITOL DRIVE
	"	MO 5-1R	21"X21"	1	45	45					
8	RIFLE RANGE RD, W. OF LYNNDALE DR, PLACE AT INTERSECTION OF LYNNDALE DR	M 4-8	24"X12"	1	45	45					
	II .	FMS	24"X18"	1	45				3		CAPI TOL DRI VE
	II .	MO 6-1	21"X21"	1	45	45					RI GHT
9	LYNNDALE DR, S. OF RIFLE RANGE RD, PLACE AT INTERSECTION OF RIFLE RANGE RD	M 4-8	24"X12"	1	45	45					
	TI .	FMS	24"X18"	1	45				3		CAPITOL DRIVE
	II	MO 6-1	21"X21"	1	45	45					LEFT
10	LYNNDALE DR, S. OF RIFLE RANGE RD, PLACE 750' S. OF RIFLE RANGE RD	M 4-8	24"X12"	1	45	45					
	II	FMS	24"X18"	1	45				3		CAPITOL DRIVE
	"	MO 5-1L	21"X21"	1	45	45					
11	LYNNDALE DR, N. OF CAPITOL DR, PLACE 500' N. OF CAPITOL DR	M 4-8A	24"X18"	1	45	45					
	II	FMS	24"X18"	1	45				3		CAPITOL DRIVE
12	CAPITOL DR, E. OF I-41, PLACE IN MIDDLE OF ROADWAY	R 11-3C	60"X24"	1	45	45	45	90			0. 8 MI LES AHEAD
	II .	M 4-9R	30"X24"	1	45	45					
13	CAPITOL DR, E. OF I-41, PLACE AT INTERSECTION OF LYNNDALE DR	M 4-8	24"X12"	1	45	45					
	п	FMS	24"X18"	1	45				3		CAPI TOL DRI VE
	H .	MO 6-1	21"X21"	1	45	45					
14	CAPITOL DR, E. OF I-41, PLACE 500' E. OF LYNNDALE DR	M 4-8	24"X12"	1	45	45					
	0	FMS	24"X18"	1	45				3		CAPI TOL DRI VE
	n .	MO 5-1R	21"X21"	1	45	45					-
15	CAPITOL DR, E. OF I-41, PLACE 1500' E. OF LYNNDALE DR	FMS	36"X12"	1	45	-			3		CAPI TOL DR
	ıı ı	W 20- 2A	48"X48"	1	45	45					
16	CAPITOL DR, E. OF I-41, PLACE ON RIGHT SHOULDER JUST W. OF BLUEMOUND DR	PCMS		1	45					7	PRIOR TO START OF PROJECT
			<u>!</u>	-		!					11. 22. 22.23. 02. 13.03.001

PROJECT TOTALS 38 1,080 90 180 36 14

PLAN SHEET PRODUCED BY WisDOT - NE REGION

PROJECT NUMBER: 1120-60-71 HWY: CAPITOL DRIVE COUNTY: OUTAGAMIE MISCELLANEOUS QUANTITIES SHEET **E**

Category 0010 unless otherwise noted

> 649.0600 646.0106 Pavement Marking Temporary Pavement Marking Epoxy 4 - Inch Removable Tape 4 - Inch

	-6011			memorable rape i mem				
Location	White	Yellow	White	Yellow	Remarks			
1120-60-71								
B-44-0024	516	516						
	516	516						
Total	10	032						
1130-49-71								
B-44-0020	258	38	720	720	IH 41 SB			
B-44-0021	258	38	720	720	IH 41 NB			
B-44-0042	222	38	720	720	IH 41 SB			
Total	738	113	2160	2160				
1130-49-71 Total	8	51		4320				
1517-13-71								
B-70-0163	260	38	720	720	USH 10 EB			
B-70-0164	260	38	720	720	USH 10 WB			
Total	520	75	1440	1440				
1517-13-71 Total	5	95		2880				

619.1000 Mobilization

Project	Each
1120-60-71	0.34
1130-49-71	0.33
1517-13-71	0.33
Total	1

213.0100 Finishing Roadway

	(Project)
Project	Each
1120-60-71	1
1130-49-71	1
1517-13-71	1
Total	3

643.2000 Traffic Control Detour

	(Project)
Project	Each
1120-60-71	1
Total	1

643.0100 Traffic Control (Project)

Project	Each
1120-60-71	1
1130-49-71	1
1517-13-71	1
Total	3

HWY: IH 41/ USH 10 SHEET: Е PROJECT NO: 1120-60-71 COUNTY: OUTAGAMIE/ WINNEBAGO MISCELLANEOUS QUANTITIES

Category 0010 unles
otherwise noted

<u>Traffic</u>	Control	Summary	

	_						_	Traffic Control						_			
	Traffic Control Tra			13.0420				.0715	643.0800		643.0900		643.0910	643.1050		643.1055.S	
			Traff	ic Control	Traffic (Control	Traffic	Control	Traffic	Control	Traffic	c Control	Traffic Conrol	Traffic	Control	Truck or Trailer	
			Barricades Type III		Warning Lights Type A		Warning Lights Type C		Arrow Boards		Si	igns	Covering Signs Type I	Signs PCMS		Mounted Attenuator	
Location	Each*	Days	Each*	Days	Each*	Days	Each*	Days	Each*	Days	Each*	Days	Each	Each*	Days	Days	Remarks
1120-60-71																	
B-44-0024	275	275	654	654	930	930	30	30	10	10	22	110		2	14		
Undistributed		25		2		2		6		2		22					
1120-60-71 Total		300		656		932		36		12		132		2	14		
1130-49-71																	
B-44-0020																	IH 41 SB
Stage 1A	37	74	1	2	2	4	14	28	2	4	14	28		1	7		1135
Stage 1B	37	74	1	2	2	4	14	28	2	4	14	28		-	·		
B-44-0021																	IH 41 NB
Stage 1A	37	74	1	2	2	4	14	28	2	4	14	28		1	7		111 41 110
Stage 1B	37	74	1	2	2	4	14	28	2	4	14	28		1	,		
B-44-0042																	IH 41 SB
Stage 1A	51	102	5	10	6	12	14	28	2	4	20	40		1	7		III 41 3b
Stage 1A	51	102	1	2	2	4	14	28	2	4	14	28		1	,		
Undistributed	31	125		5		8	<u> </u>	42	<u> </u>	6	<u> </u>	45	3			6	Cover Existing Speed
1130-49-71 Total		625		25		40		210		30		225	3		21	6	Limit Signs
1517-13-71																	
B-70-0163																	USH 10 EB
Stage 1A	65	130	1	2	2	4	14	28	2	4	14	28		1	7		03H 10 EB
Stage 1B	35	70	1	2	2	4	14	28	2	4	14	28		1	,		
B-70-0164																	USH 10 WB
Stage 1A	35	70	1	2	2	4	14	28	2	4	14	28		1	7		03.1 10 WB
Stage 1B	35	70	1	2	2	4	14	28	2	4	14	28		_	-		
Undistributed		85		2		4		28		4		28	4			4	Cover Existing Speed
1517-13-71 Total		425		10		20		140		20		140	4		14	4	Limit Signs
* For Information	Only																
OJECT NO: 1120	0-60-71			HWY: IH 41/	USH 10		COUNTY	: OUTAGAN	MIE/ WINNE	BAGO	MISCELLA	ANEOUS QL	JANTITIES				SHEET:

FILE NAME : N:\PDS\...\030200_mq.pptx PLOT DATE : June 14, 1911 PLOT BY : A.R.H. PLOT NAME : PLOT SCALE : 1:1

Standard Detail Drawing List

5C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
5C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
5C08-17A	LONGITUDINAL MARKING (MAINLINE)
5D12-06B	TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION
5D16-03	TRAFFIC CONTROL FXLT RAMP CLOSURE

6

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ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E LANE CLOSURE BARRICADE DETAIL APPROACH VIEW

SEE SDD 15C2-SHEET "a" FOR LEGEND

GENERAL NOTES

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

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

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

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:

R11-2 SHALL BE 48" X 30". R11-3, R11-4 AND R10-61 SHALL BE 60" X 30". M4-9 SHALL BE 30" X 24". M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.) M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.) M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.) MO5-1 AND MO6-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.) D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS. R1-1 SHALL BE 36" X 36".

- (1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT
- THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.
- FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.
- FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.
- FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.
- INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS. PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.
- "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

2

2

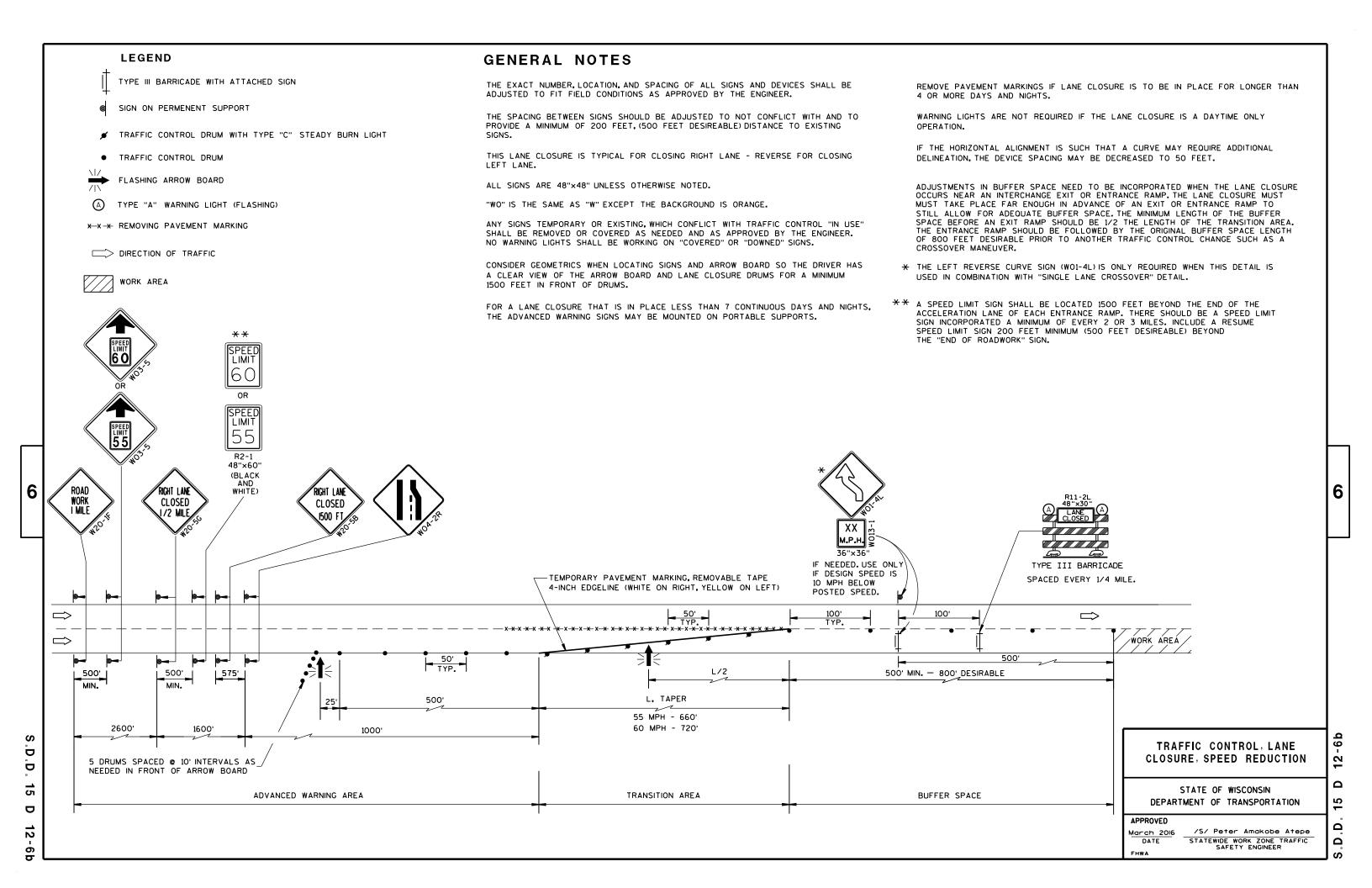
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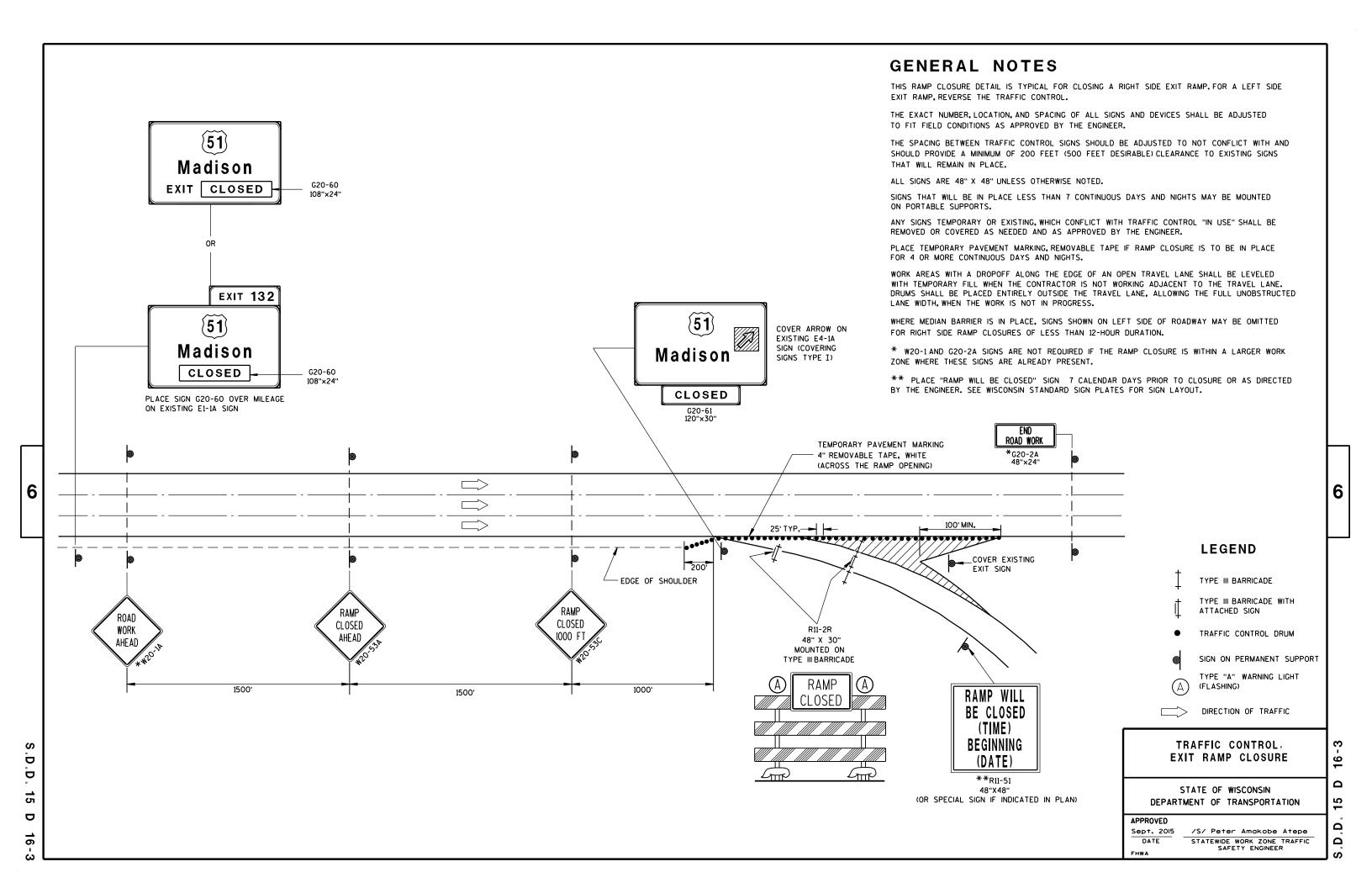
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

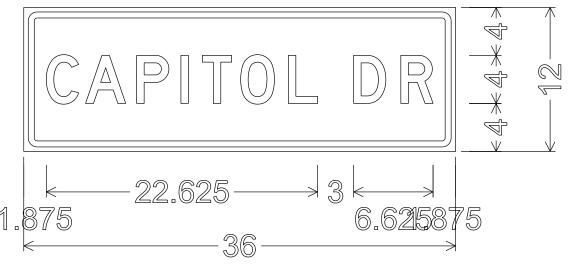
/S/ Peter Amakobe Atepe

STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

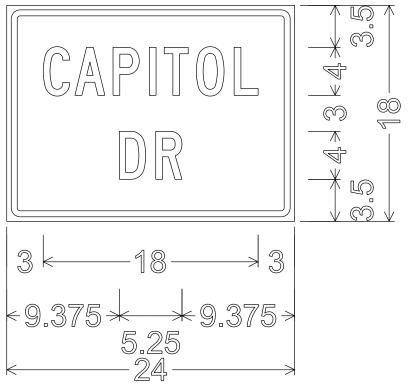








1.125" Radius, 0.500" Border, 0.375" Indent, "CAPITOL" D; "DR" D;



1.125" Radius, 0.500" Border, 0.375" Indent,

NOTES

- 1. Signs are Type II- Type F Reflective
- 2. Color:

Background - Orange Message - Black

3. Message Series - C except as noted

PROJECT NO: 1120-60-71 HWY: CAPITOL DRIVE $\label{thm:name:name:name:name:name} FILE \ NAME : N:\spo\traffic\A \ Work \ Zone\Detours\Outagamie \ County\local \ roads\Capitol \ Dr\Capitol \ Dr\Agnitol \$

COUNTY: OUTAGAMIE

DETOUR FIXED MESSAGE SIGN DETAIL

SHEET NO:

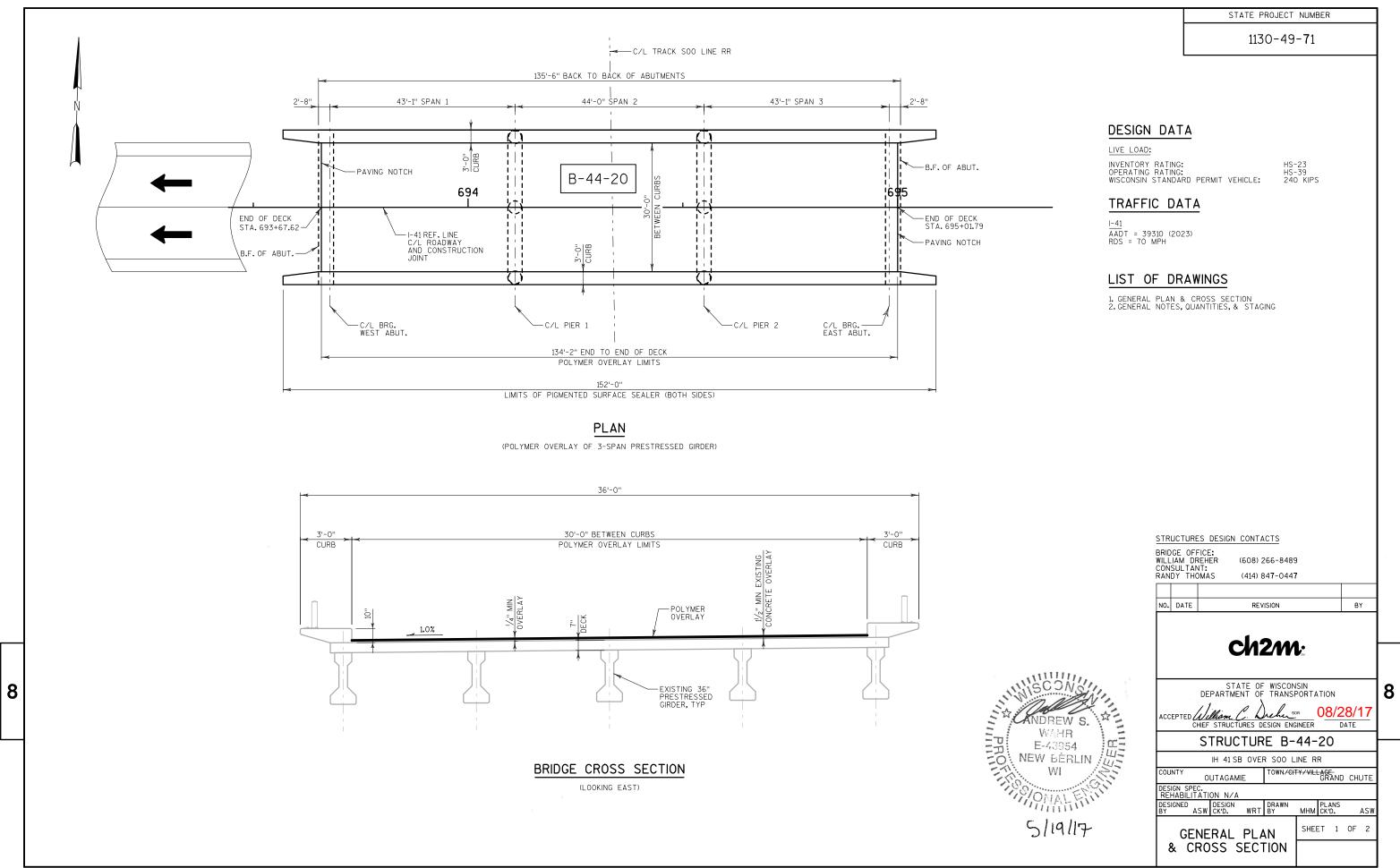
PLOT SCALE: 8:1

WISDOT/CADDS SHEET 42

PLOT DATE: 29-JUN-2016 16:23

PLOT BY : dotj1f

PLOT NAME :



1130-49-71

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS	UNIT	TOTAL
502.3210	PIGMENTED SURFACE SEALER	SY	128
509.5100.S	POLYMER OVERLAY	SY	448

ALL ITEMS ARE CATEGORY 0020

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

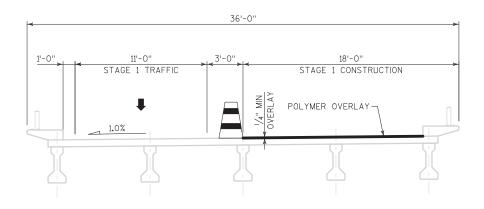
DIMENSIONS SHOWN ARE BASED ON ORIGINAL STRUCTURE PLANS.

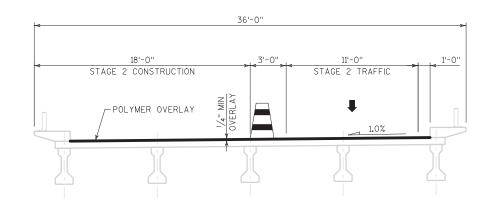
ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.

ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD).

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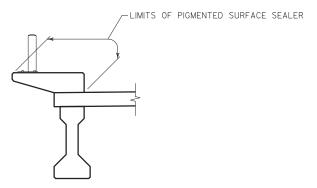
DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".





STAGE 1
(LOOKING EAST)

STAGE 2
(LOOKING EAST)



SIDEWALK & CURB DETAIL

PIGMENTED SURFACE SEALER EXTENDS BEYOND ENDS OF BRIDGE (SEE PLAN VIEW, SHEET 1) NO. DATE REVISION BY

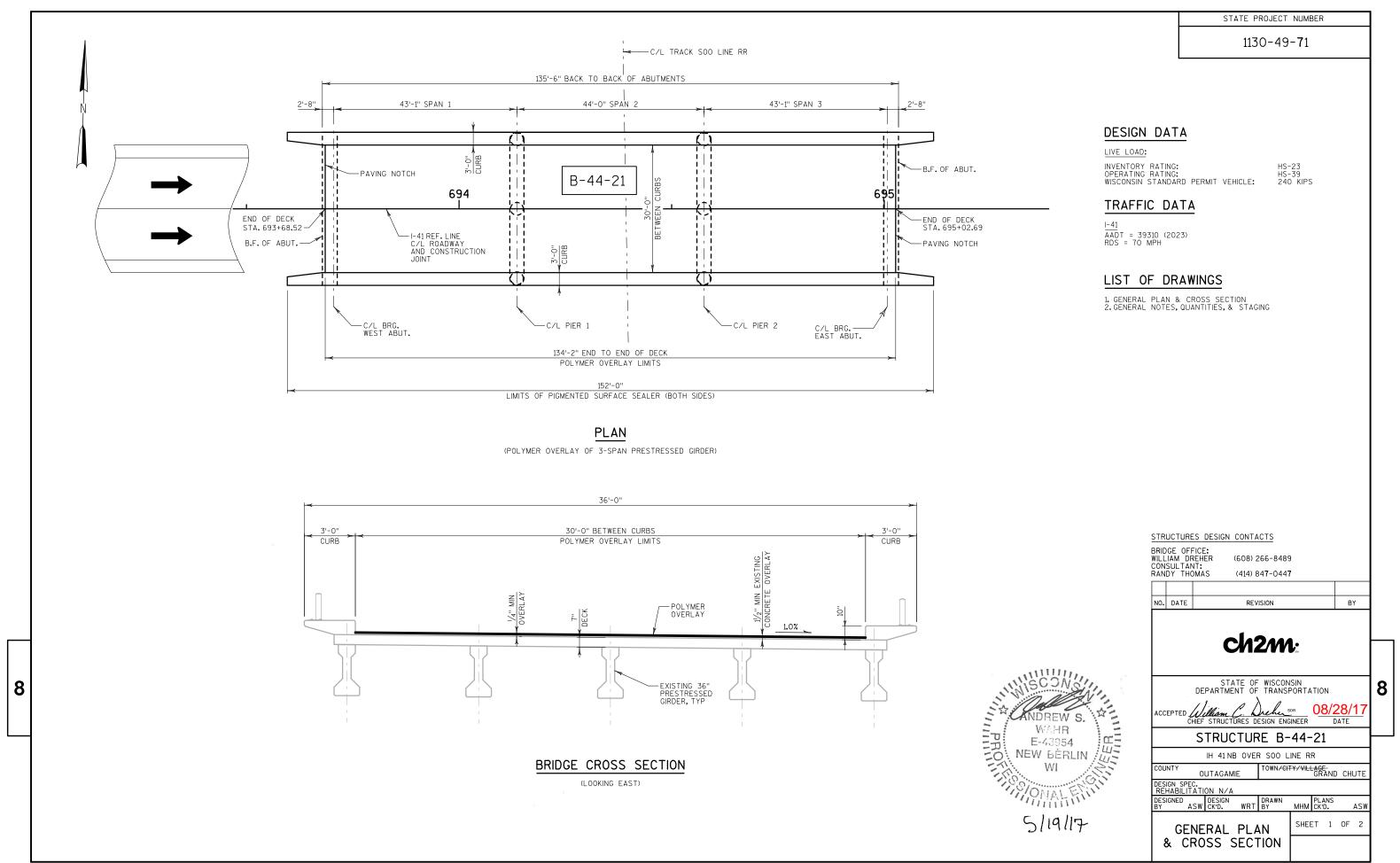
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-44-20

DRAWN
BY
ASW PLANS
CKD. WRT

GENERAL NOTES,
QUANTITIES,
& STAGING

8



1130-49-71

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS	UNIT	TOTAL
502.3210	PIGMENTED SURFACE SEALER	SY	128
509.5100.S	POLYMER OVERLAY	SY	448

ALL ITEMS ARE CATEGORY 0030

GENERAL NOTES

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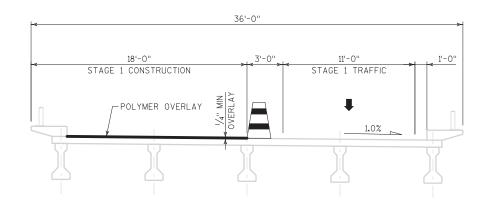
DIMENSIONS SHOWN ARE BASED ON ORIGINAL STRUCTURE PLANS.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.

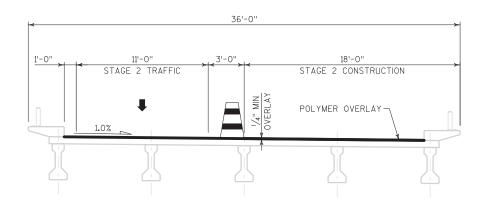
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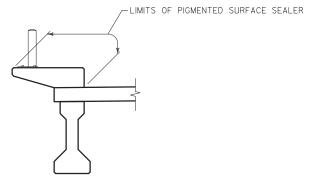
DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".



STAGE 1
(LOOKING EAST)



STAGE 2
(LOOKING EAST)



SIDEWALK & CURB DETAIL

PIGMENTED SURFACE SEALER EXTENDS
BEYOND ENDS OF BRIDGE (SEE PLAN
VIEW, SHEET 1)

NO. DATE REVISION BY

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

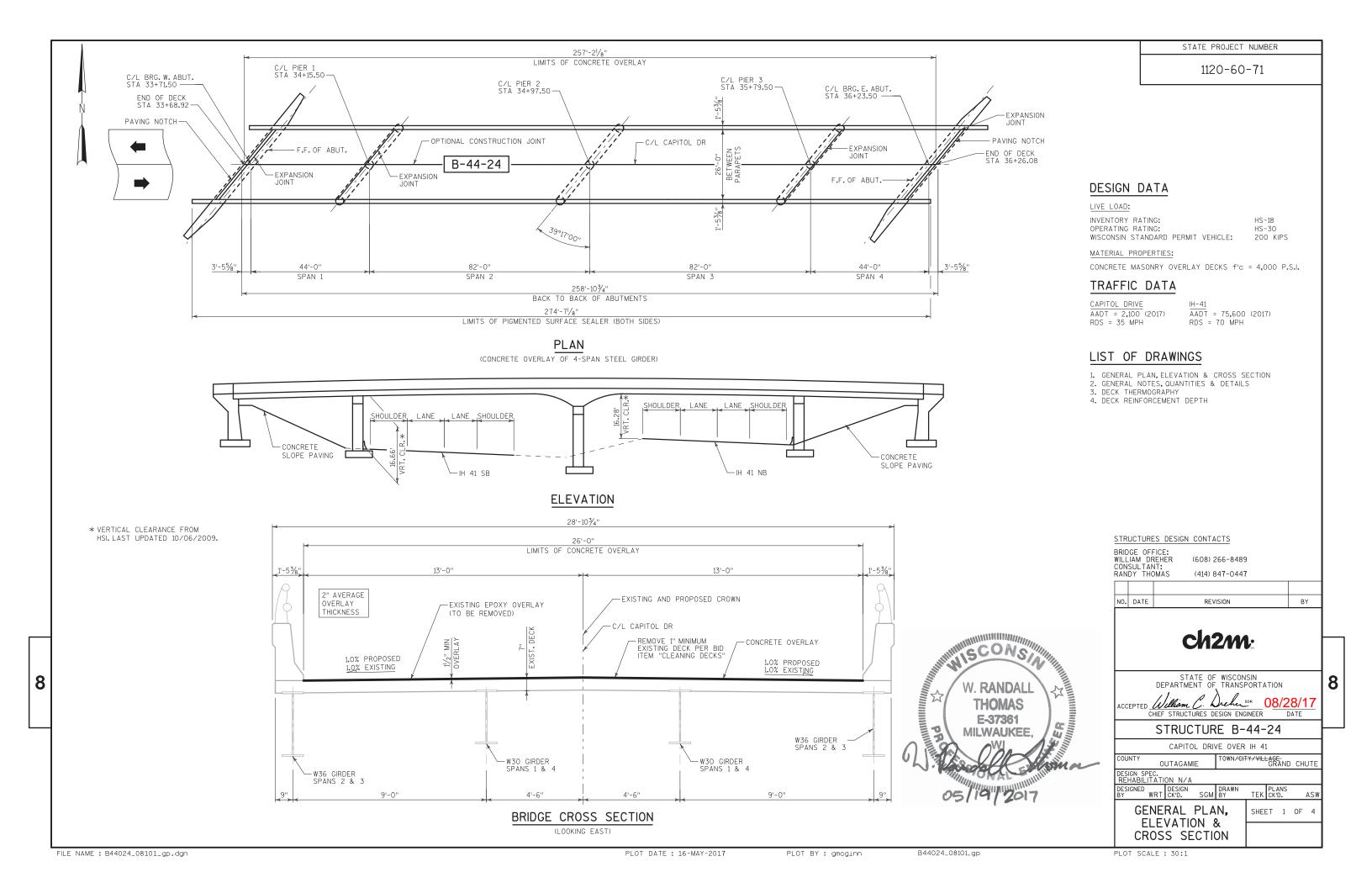
STRUCTURE B-44-21

DRAWN BY ASW PLANS WRT CK'D. WRT

GENERAL NOTES, QUANTITIES, SHEET 2 OF 2

QUANTITIES, STAGING

8



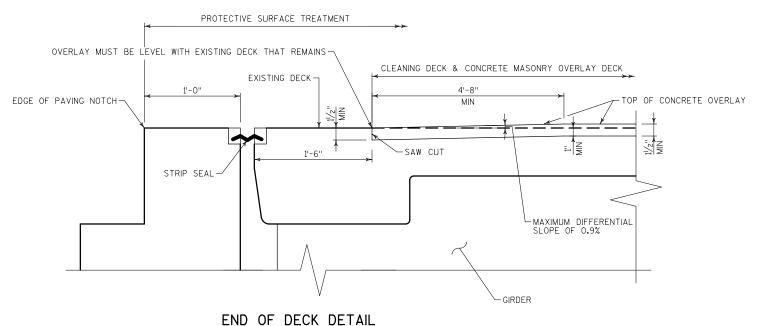
1120-60-71

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS	UNIT	TOTAL
502.3200	PROTECTIVE SURFACE TREATMENT	SY	743
502.3210	PIGMENTED SURFACE SEALER	SY	223
509.0301	PREPARATION DECKS TYPE 1	SY	258
509.0302	PREPARATION DECKS TYPE 2	SY	121
509.0500	CLEANING DECKS	SY	717
509.2000	FULL-DEPTH DECK REPAIR	SY	14
509.2500	CONCRETE MASONRY OVERLAY DECKS	CY	40

ALL ITEMS ARE CATEGORY 0020

8



OVERLAY BEGINS 1'-6" PAST STRIP SEAL TO AVOID DAMAGING JOINT

OVERLAY MUST BE LEVEL WITH — EXISTING DECK THAT REMAINS CLEANING DECK & CONCRETE MASONRY OVERLAY DECK CLEANING DECK & CONCRETE MASONRY OVERLAY DECK TOP OF CONCRETE OVERLAY TOP OF CONCRETE OVERLAY MIN EXISTING DECK EXISTING DECK -EXISTING DECK STRIP SEAL -MAXIMUM DIFFERENTIAL SLOPE OF 0.9% GIRDER GIRDER INTERIOR DECK JOINT DETAIL STOP OVERLAY 1'-6" SHORT OF STRIP SEAL JOINT DETAIL IS SYMMETRIC ABOUT THE CENTER OF THE STRIP SEAL

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

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PROTECTIVE SURFACE TREATMENT SHALL BE APPLIED TO THE ENTIRE TOP SURFACE OF THE BRIDGE DECK, INCLUDING THE ABUTMENT BACKWALLS AND JOINTS.

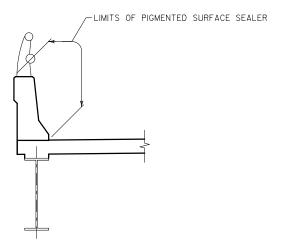
THE EXISTING, EPOXY OVERLAY AND A MINIMUM OF 1-INCH OF CONCRETE SHALL BE REMOVED FROM THE ENTIRE BRIDGE DECK UNDER THE BID ITEM "CLEANING DECKS".

PREPARATION DECKS TYPE 1, PREPARATION DECKS TYPE 2 AND FULL DEPTH DECK REPAIR AREAS ARE BASED ON THE PLANS AND AS DETERMINED BY THE ENGINEER DECK PREPARATION AND FULL-DEPTH DECK REPAIRS SHALL BE FILLED WITH "CONCRETE MASSNING OVER 14 Y DECKS"

PROFILE GRADE LINE SHALL BE DETERMINED IN THE FIELD BASED ON A MINIMUM OVERLAY THICKNESS OF 11/2" PLACED ABOVE THE DECK SURFACE AFTER SURFACE PREPARATION, EXPECTED AVERAGE OVERLAY THICKNESS IS 2". IF EXPECTED AVERAGE THICKNESS IS EXCEEDED BY MORE THAN 1/2" CONTACT THE STRUCTURES DESIGN SECTION.

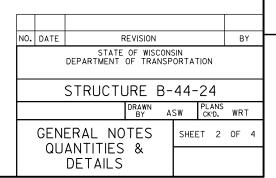
BRIDGE B-44-24 WILL BE CLOSED TO LIVE TRAFFIC DURING CONSTRUCTION.NO STAGING IS REQUIRED.

EXISTING DECK EXPANSION DEVICES ARE TO REMAIN.PROTECT EXPANSION DEVICES WHEN PREPARING DECK AND PLACING OVERLAY.



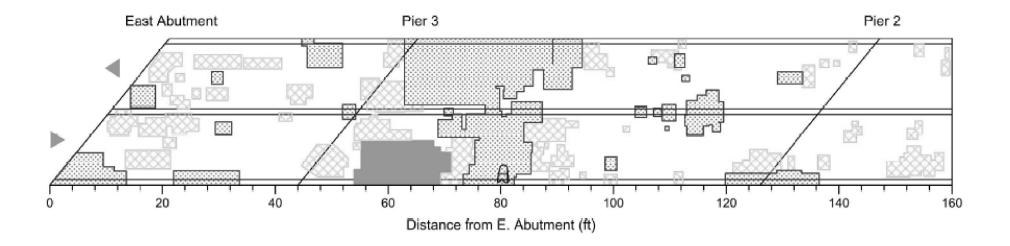
PARAPET DETAIL

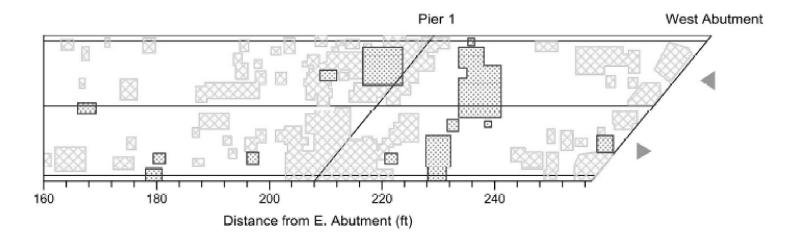
PIGMENTED SURFACE SEALER EXTENDS BEYOND ENDS OF BRIDGE (SEE PLAN VIEW, SHEET 1)



8

FILE NAME: 844024_08102_gn.dgn PLOT DATE: 16-MAY-2017 PLOT BY: gmoginn B44024_08102_gn PLOT SCALE: 8:1











Full Depth



8

Type II

Patching

Rehabilitation	Quantity	% of deck
Category	(sq. ft.)	area
Type 1	2318.3	34.7%
Type 2	1082.4	16.2%
Full-Depth	120.3	1.8%

Deck Condition Evaluation

Bridge ID: B-44-24 Capitol Drive over USH-41

Analyzed by: EMG Reviewed by: AJC Completed: 08-23-16

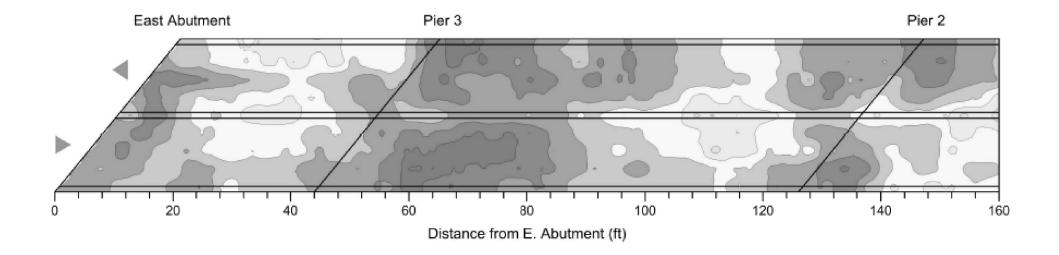
Sheet 1 of 1

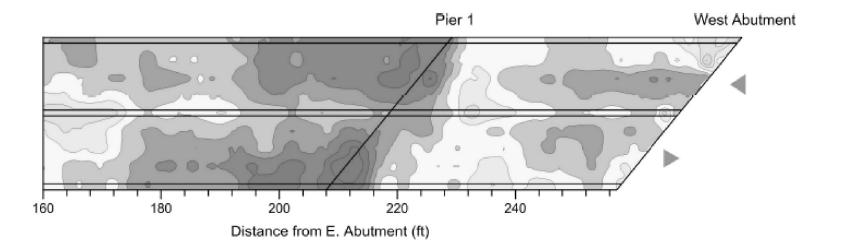


٧0.	DATE	R	EVISION				В	Y
	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION							
STRUCTURE B-44-24								
DRAWN PLANS BY ASW CK'D.						WR	Г	
DECK				SHEE	ET 3	OF	4	
THERMOGRAPHY								

8

1120-60-71







Direction of traffic

8

Rebar Depth (in.)

Rebar Depth Statistics

Average	2.8"
Standard Deviation	0.3"
25th Percentile	2.6"
75th Percentile	3.0"

Rebar Depth Evaluation

Bridge ID: B-44-24 Capitol Drive over USH-41

Analyzed by: EMG Reviewed by: AJC Completed: 08-23-16

Sheet 1 of 1

INFRI\ SENSE

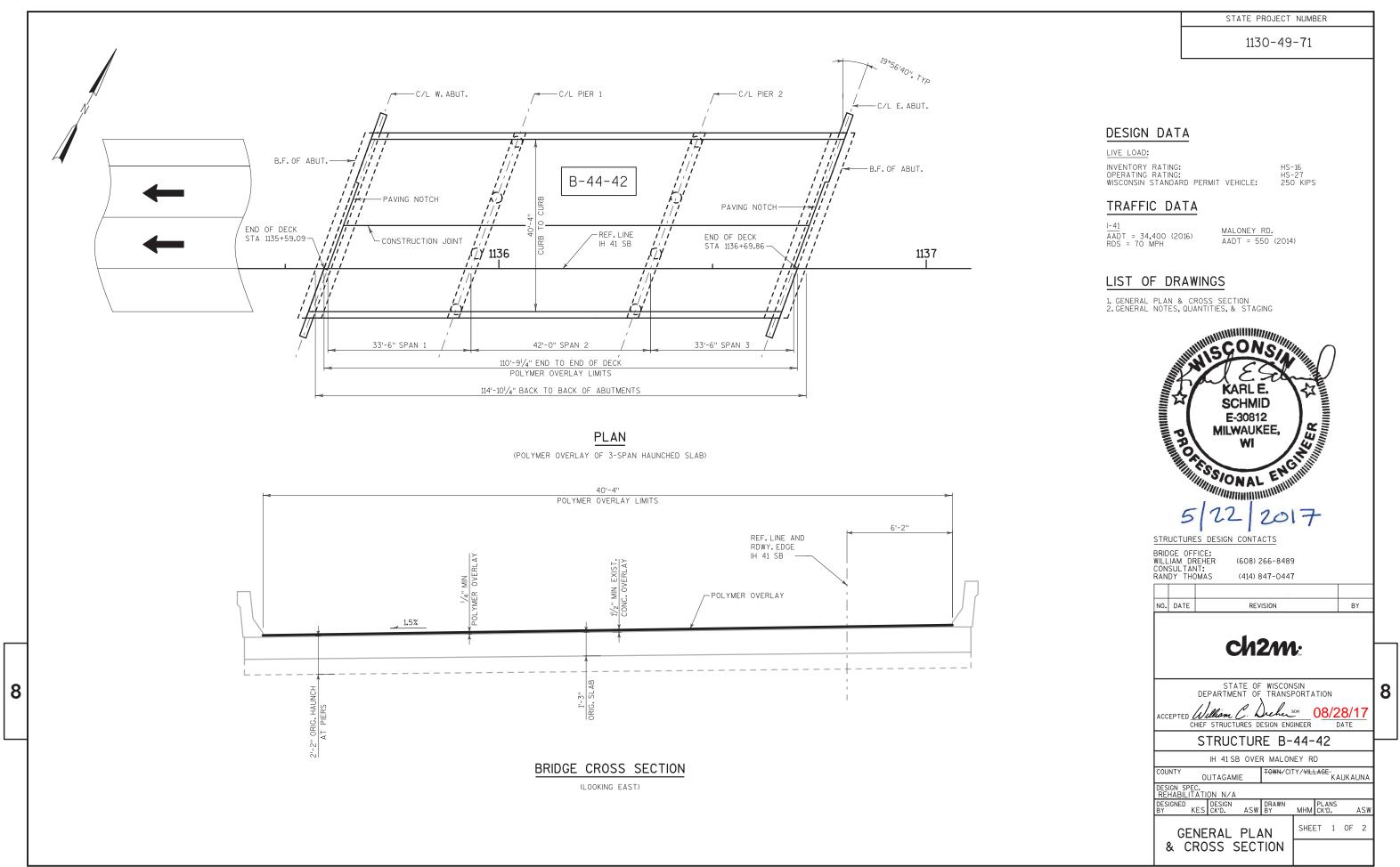
NO.	DATE	REVISION	BY	
		STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION		

STRUCTURE B-44-24

| DRAWN ASW | PLANS BY ASW | PLA

DECK REINFORCEMENT DEPTH

SHEET 4 OF 4



1130-49-71

TOTAL ESTIMATED QUANTITIES

	ITEM NO.	BID ITEMS	UNIT	TOTAL
ĺ	502.3210	PIGMENTED SURFACE SEALER	SY	89
	509.5100.S	POLYMER OVERLAY	SY	497

ALL ITEMS ARE CATEGORY 0040

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

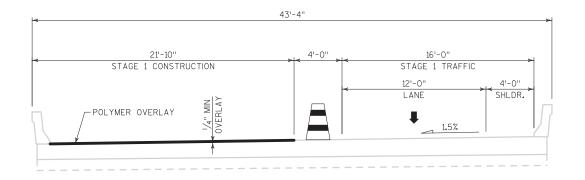
DIMENSIONS SHOWN ARE BASED ON ORIGINAL STRUCTURE PLANS.

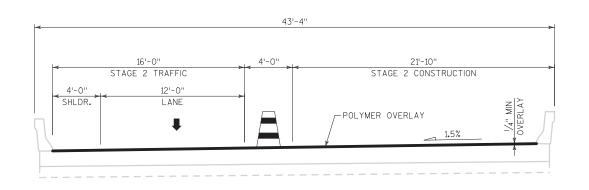
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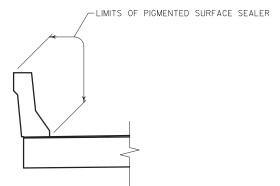
DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".





STAGE 1
(LOOKING EAST)

STAGE 2
(LOOKING EAST)



PARAPET DETAIL

NO. DATE REVISION BY

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

STRUCTURE B-44-42

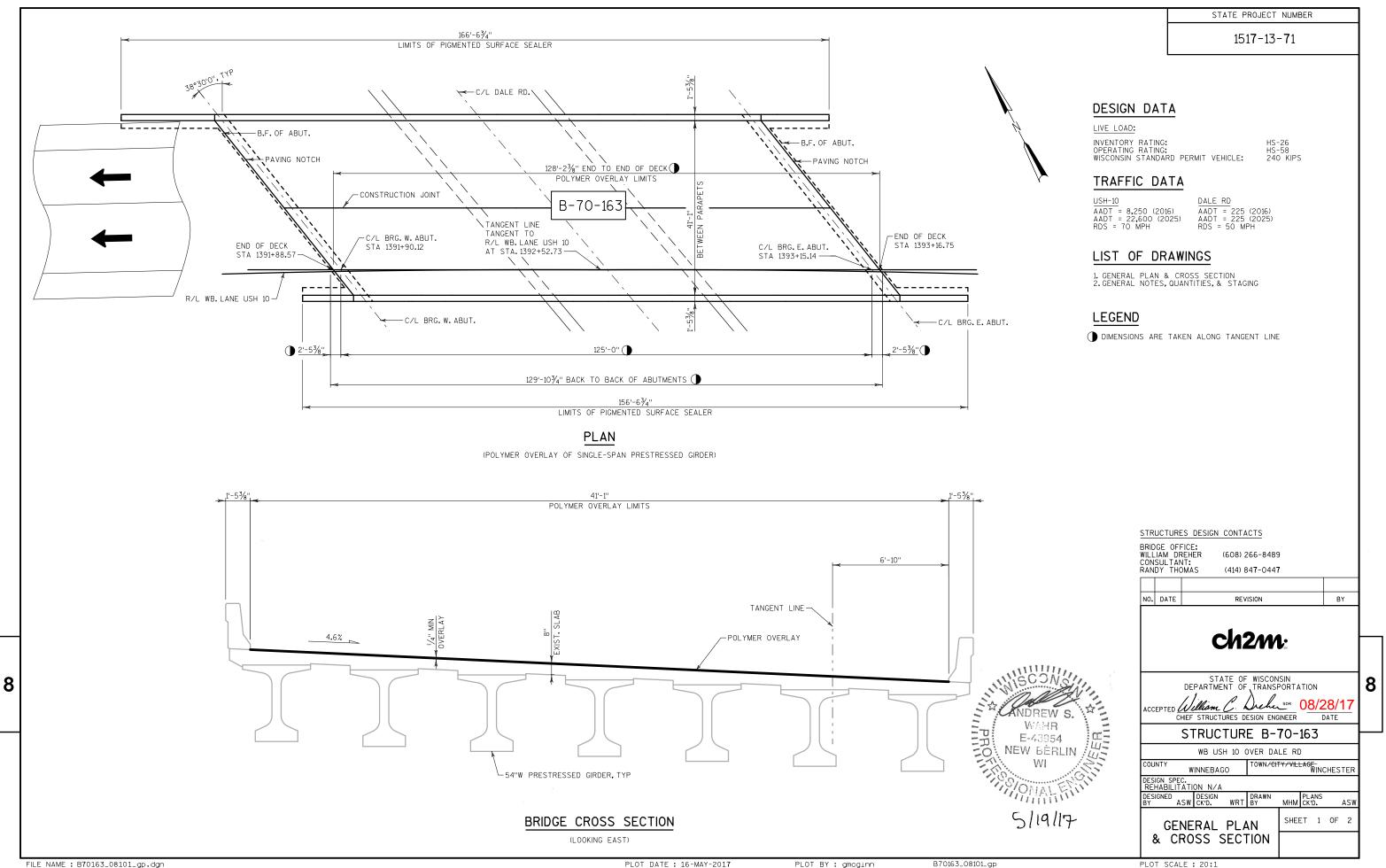
DRAWN ASW PLANS WRT CKD. WRT

GENERAL NOTES, QUANTITIES, & STAGING

PLOT SCALE: 8:1

8

FILE NAME: B44042_08102_gn.dgn PLOT DATE: 10-MAY-2017 PLOT BY: awahr B44042_08102_gn



1517-13-71

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS	UNIT	TOTAL
502.3210	PIGMENTED SURFACE SEALER	SY	131
509.5100.S	POLYMER OVERLAY	SY	586

ALL ITEMS ARE CATEGORY 0020

8

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

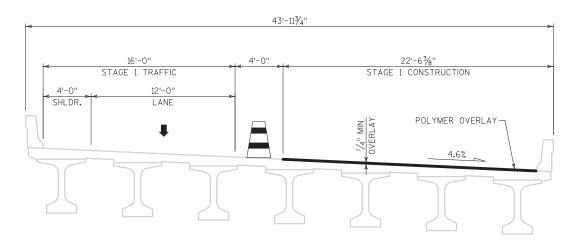
DIMENSIONS SHOWN ARE BASED ON ORIGINAL STRUCTURE PLANS.

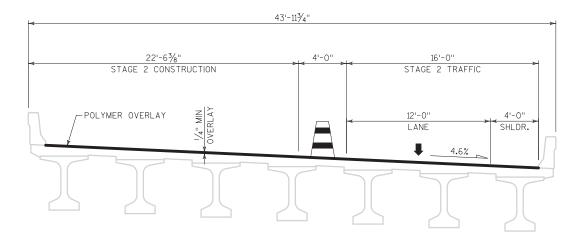
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DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

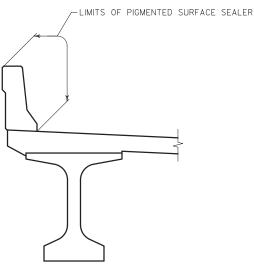




STAGE 1 (LOOKING EAST) STAGE 2

(LOOKING EAST)

PLOT BY: awahr



PARAPET DETAIL PIGMENTED SURFACE SEALER EXTENDS BEYOND ENDS OF BRIDGE DECK (SEE PLAN VIEW, SHEET 1)

LIMITS OF PIGMENTED SURFACE SEALER

NO. DATE REVISION STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

STRUCTURE B-70-163

GENERAL NOTES, QUANTITIES, & STAGING

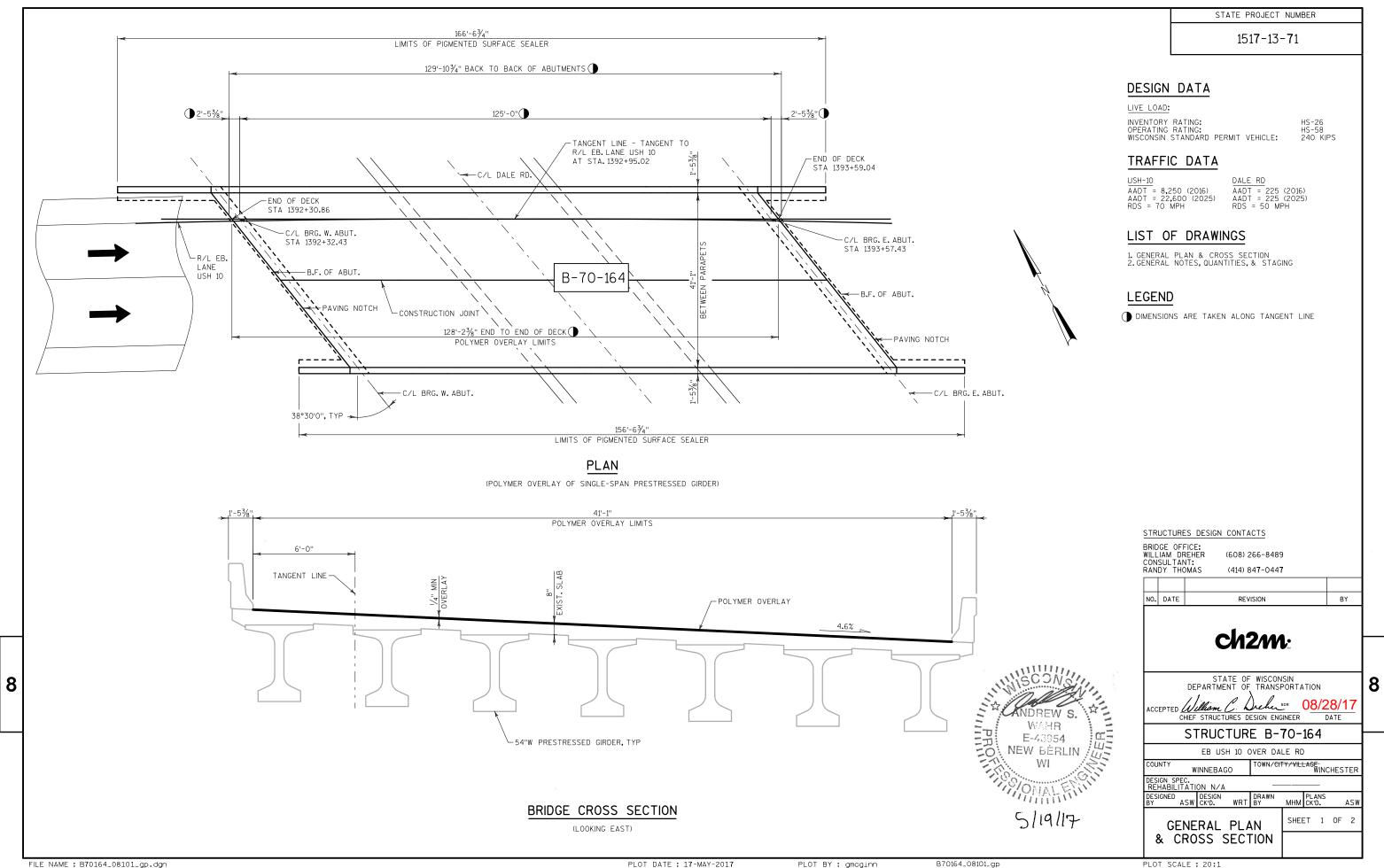
SHEET 2 OF 2

FILE NAME : B70163_08102_gn.dgn

PLOT DATE: 04-MAY-2017

B70163_08102_gn

PLOT SCALE: 8:1



1517-13-71

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS	UNIT	TOTAL
502.3210	PIGMENTED SURFACE SEALER	SY	131
509.5100.S	POLYMER OVERLAY	SY	586

ALL ITEMS ARE CATEGORY 0030

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

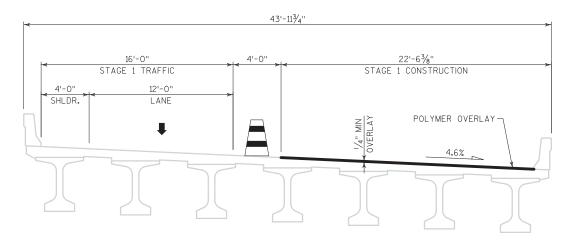
DIMENSIONS SHOWN ARE BASED ON ORIGINAL STRUCTURE PLANS.

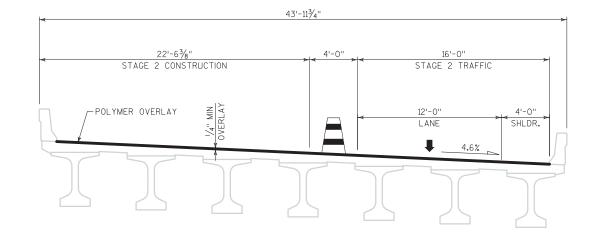
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DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".





STAGE 1 (LOOKING EAST)

STAGE 2 (LOOKING EAST)

-LIMITS OF PIGMENTED SURFACE SEALER PARAPET DETAIL

NO. DATE REVISION STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION PIGMENTED SURFACE SEALER EXTENDS BEYOND ENDS OF BRIDGE DECK (SEE PLAN VIEW, SHEET 1) STRUCTURE B-70-164

> GENERAL NOTES, QUANTITIES, & STAGING

SHEET 2 OF 2

8

FILE NAME : B70164_08102_gn.dgn

PLOT DATE: 04-MAY-2017

B70164_08102_gn

PLOT BY: awahr

PLOT SCALE: 8:1



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov