

FILE NAME : P:\BARRO\19003 - FOUR LOW-RISK BRIDGE REPLACEMENTS\19003-4 FOUR MILE CREEK BRG, CTH D\CAD\C3D\SHEETSPLAN\010101-TI.DWG

PLOT DATE : 10/28/2019 11:22 AM PLOT BY : JASON ISAACSON

PLOT NAME :

STATE PROJECT	FEDERAL PROJECT	-
STATE PROJECT	PROJECT	CONTRACT
8827-00-70		
	ACCEPTED FOR	
	COUNTY OF B	ARRON
_	Date 1/29/19 Mark S	
<u>2T</u>	HIGHWAY COMMIS	SIONER
5	ORIGINALTEANS	D BY
	SCOND MC	
	A Start A	
	JOHN W.	19837
	34273	
	EAU CLAIRE,	
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	DAIL: Gignature)	m
	DEPARTMENT OF TRANSPOR	TATION
	PREPARED BY	,
	Surveyor CBS SQUARED	INC.
	DesignerCBS SQUARED	INC.
	APPROVED FOR THE DEPARTMENT	C
NCES	DATE: 11/27/19 715157	H .
DID 12A.	(Signature)	
		E

GENERAL NOTES

THE LOCATION OF EXISTING AND PROPOSED UTILITY FACILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

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

THE EXACT LOCATION AND WIDTH OF PRIVATE ENTRANCES WILL BE DETERMINED IN THE FIELD BY THE ENGINEER. ALL DRIVEWAYS ARE TO BE REPLACED IN KIND UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR AS SHOWN ON THE PLANS. BASE AGGREGATE DENSE 1 1/4-INCH WILL BE USED UNDER ALL DRIVEWAYS.

MAINTAIN DRIVING SURFACE TO ALL PROPERTY OWNERS WITH BASE AGGREGATE DENSE 1 1/4-INCH.

FILL EXPANSION FACTOR IS 30%.

2

PROPERTY LINES SHOWN ARE APPROXIMATE.

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

BEARINGS SHOWN ON THIS PLAN ARE TRUE BEARINGS TO THE NEAREST SECOND.

ALL TIES ON THIS PLAN ARE HORIZONTAL UNLESS DESCRIBED OTHERWISE.

PLACE EROSION CONTROL MEASURES AS SHOWN ON THE EROSION CONTROL PLAN. THE EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

DISTURBED AREAS WITHIN THE RIGHT OF WAY ARE TO BE FERTILIZED, SEEDED, AND MULCH/EROSION MAT AS DIRECTED BY THE ENGINEER.

ELEVATIONS SHOWN ON THE ROADWAY CROSS SECTIONS ARE SUBGRADE ELEVATIONS AT THE CENTERLINE OF THE ROADWAY.

ALL ELEVATIONS ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF NAVD 88 (2012).

WISDOT WILL FURNISH A BENCHMARK MONUMENT TO BE SET BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER IN THE FIELD.

SAW CUT LOCATIONS SHOWN ON THE PLAN ARE SUBJECT TO ADJUSTMENT BY THE ENGINEER IN THE FIELD. THE LINE OF SUCH SAW CUTS WILL BE NEATLY DELINEATED THROUGH THE ASPHALT WITHOUT ANY DAMAGE TO THE REMAINING PORTION OF THE EXISTING PAVEMENT.

THE 4" OF ASPHALTIC SURFACE SHALL BE CONSTRUCTED WITH A 2" LOWER LAYER AND A 2" UPPER LAYER.

PROJECT NO:	8827-00-70	HWY: CTH D	COUNTY: BARRON			GENERAL NOTES		
FILE NAME : P:\BARRO	D\19003 - FOUR LOW-RISK BRIDGE REPLACEMENTS\19003-4 FOUR	MILE CREEK BRG, CTH D\CAD\C3D\SHEETSPLAN\020101-GN.DWG		PLOT DATE :	11/25/2019 4:48 PM	PLOT BY :	MATT GUNDRY	PLOT NAME :

UTILITY CONTACTS

BARRON ELECTRIC COOPERATIVE - ELECTRICTY SUSAN DAU 1434 STATE HIGHWAY 25 BARRON, WI 54812 715-537-3171 (OFFICE) 715-418-1137 (MOBILE) SDAU@BARRONELECTRIC.COM

MOSAIC TELECOM - COMMUNICATION LINE DENNIS RUSSETT 401 S 1ST ST P.O. BOX 664 CAMERON, WI 54822 715-458-5378 (OFFICE) 715-458-5518 (MOBILE) CTCDENNIS@MOSAICTELECOM.COM



DESIGN CONTACT

CBS SQUARED INC. 770 TECHNOLOGY WAY, SUITE 1A CHIPPEWA FALLS, WI 54729 ATTN: MATT GUNDRY, PE 715-861-7425 MGUNDRY@CBSSQUAREDINC.COM

WISCONSIN DNR - LIASON

DEPARTMENT OF NATURAL RESOURCES SPOONER - DNR SERVICE CENTER 810 W MAPLE ST SPOONER, WI 54801 ATTN: AMY CRONK 715-635-4229 AMY.CRONK@WISCONSIN.GOV

BARRON COUNTY HIGHWAY DEPARTMENT

MARK SERVI, HIGHWAY COMMISSIONER BARRON COUNTY HIGHWAY DEPARTMENT 260 N 7TH ST BARRON, WI 54812 715-637-3755 MARK.SERVI@CO.BARRON.WI.US

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FILE NAME : P:\BARRO\19003 - FOUR LOW-RISK BRIDGE REPLACEMENTS\19003-4 FOUR MILE CREEK BRG, CTH D\CAD\C3D\SHEETSPLAN\020301-TS.DWG PLO LAYOUT NAME - 020301-ts

PLOT DATE : 11/25/2019 5:50 PM

PLOT BY : MATT GUNDRY PLOT NAME :



FILE NAME : P:\BARRO\19003 - FOUR LOW-RISK BRIDGE REPLACEMENTS\19003-4 FOUR MILE CREEK BRG, CTH D\CAD\C3D\SHEETSPLAN\022001-EC.DWG LAYOUT NAME - 022001-ec

2

PLOT NAME :

PLOT SCALE : 1 IN:20 FT



FILE NAME : P:\BARRO\19003 - FOUR LOW-RISK BRIDGE REPLACEMENTS\19003-4 FOUR MILE CREEK BRG, CTH D\CAD\C3D\SHEETSPLAN\022001-EC.DWG LAYOUT NAME - 022001-ec

2

PLOT NAME :



FILE NAME : P:\BARRO\19003 - FOUR LOW-RISK BRIDGE REPLACEMENTS\19003-4 FOUR MILE CREEK BRG, CTH D\CAD\C3D\SHEETSPLAN\022001-EC.DWG LAYOUT NAME - 022002-ec

PLOT NAME :

WISDOT/CADDS SHEET 44

PLOT SCALE : 1 IN:20 FT

PLOT DATE : 11/25/2019 4:49 PM



P:\BARRO\19003 - FOUR LOW-RISK BRIDGE REPLACEMENTS\19003-4 FOUR MILE CREEK BRG, CTH D\CAD\C3D\SHEETSPLAN\023201-PS & 024501-PM.DWG LAYOUT NAME - 023201-ps & 024501-pm FILE NAME :

11/25/2019 4:49 PM

PLOT NAME :



FILE NAME : P:\BARRO\19003 - FOUR LOW-RISK BRIDGE REPLACEMENTS\19003-4 FOUR MILE CREEK BRG, CTH D\CAD\C3D\SHEETSPLAN\025100-TC.DWG PLOT DATE : 11/25/2019 4:49 PM LAYOUT NAME - 025100-tc

PLOT NAME :



LAYOUT NAME - 027201-ad

					8827-00-70	
Line	Item	Item Description	Unit	Total	Qty	
0002	201.0105	Clearing	STA	2.000	2.000	
0004	201.0205	Grubbing	STA	2.000	2.000	
0006	203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (station) 01. 40+00.00	LS	1.000	1.000	
8000	205.0100	Excavation Common	CY	318.000	318.000	
0010	206.1000	Excavation for Structures Bridges (structure) 01. B-03-0211	LS	1.000	1.000	
0012	208.0100	Borrow	CY	811.000	811.000	
0014	210.1500	Backfill Structure Type A	TON	260.000	260.000	
0016	213.0100	Finishing Roadway (project) 01. 8827-00-70	EACH	1.000	1.000	
0018	305.0110	Base Aggregate Dense 3/4-Inch	TON	50.000	50.000	
0020	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	440.000	440.000	
0022	455.0605	Tack Coat	GAL	82.000	82.000	
0024	465.0105	Asphaltic Surface	TON	94.000	94.000	
0026	502.0100	Concrete Masonry Bridges	CY	193.000	193.000	
0028	502.3200	Protective Surface Treatment	SY	180.000	180.000	
0030	502.3210	Pigmented Surface Sealer	SY	44.000	44.000	
0032	505.0400	Bar Steel Reinforcement HS Structures	LB	5,200.000	5,200.000	
0034	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	23,180.000	23,180.000	
0036	516.0500	Rubberized Membrane Waterproofing	SY	42.000	42.000	
0038	550.2104	Piling CIP Concrete 10 3/4 X 0.25-Inch	LF	540.000	540.000	
0040	606.0300	Riprap Heavy	CY	79.000	79.000	
0042	612.0206	Pipe Underdrain Unperforated 6-Inch	LF	40.000	40.000	
0044	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	118.000	118.000	
0046	614.0150	Anchor Assemblies for Steel Plate Beam Guard	EACH	4.000	4.000	
0048	614.2500	MGS Thrie Beam Transition	LF	157.600	157.600	
0050	614.2610	MGS Guardrail Terminal EAT	EACH	4.000	4.000	
0052	618.0100	Maintenance And Repair of Haul Roads (project) 01. 8827-00-70	EACH	1.000	1.000	
0054	619.1000	Mobilization	EACH	1.000	1.000	
0056	624.0100	Water	MGAL	4.900	4.900	
0058	625.0500	Salvaged Topsoil	SY	1,750.000	1,750.000	
0060	627.0200	Mulching	SY	460.000	460.000	
0062	628.1504	Silt Fence	LF	830.000	830.000	
0064	628.1520	Silt Fence Maintenance	LF	830.000	830.000	
0066	628.1905	Mobilizations Erosion Control	EACH	1.000	1.000	
0068	628.1910	Mobilizations Emergency Erosion Control	EACH	1.000	1.000	
0070	628.2008	Erosion Mat Urban Class I Type B	SY	1,750.000	1,750.000	
0072	628.6005	Turbidity Barriers	SY	140.000	140.000	
0074	629.0210	Fertilizer Type B	CWT	2.000	2.000	

Estimate Of Quantities

02/07/2020 07:56:34 3 Page 1

		Estimate Of Quantities								
					8827-00-70					
Line	Item	Item Description	Unit	Total	Qty					
0076	630.0120	Seeding Mixture No. 20	LB	60.000	60.000					
0078	630.0500	Seed Water	MGAL	50.000	50.000					
0080	634.0812	Posts Tubular Steel 2x2-Inch X 12-FT	EACH	4.000	4.000					
0082	637.2230	Signs Type II Reflective F	SF	12.000	12.000					
0084	638.2602	Removing Signs Type II	EACH	4.000	4.000					
0086	638.3000	Removing Small Sign Supports	EACH	4.000	4.000					
8800	642.5001	Field Office Type B	EACH	1.000	1.000					
0090	643.0420	Traffic Control Barricades Type III	DAY	630.000	630.000					
0092	643.0705	Traffic Control Warning Lights Type A	DAY	810.000	810.000					
0094	643.0900	Traffic Control Signs	DAY	270.000	270.000					
0096	643.5000	Traffic Control	EACH	1.000	1.000					
0098	645.0120	Geotextile Type HR	SY	213.000	213.000					
0100	646.1020	Marking Line Epoxy 4-Inch	LF	1,273.000	1,273.000					
0102	650.4500	Construction Staking Subgrade	LF	420.000	420.000					
0104	650.5000	Construction Staking Base	LF	420.000	420.000					
0106	650.6500	Construction Staking Structure Layout (structure) 01. B- 03-0211	LS	1.000	1.000					
0108	650.9910	Construction Staking Supplemental Control (project) 01. 8827-00-70	LS	1.000	1.000					
0110	650.9920	Construction Staking Slope Stakes	LF	420.000	420.000					
0112	690.0150	Sawing Asphalt	LF	774.000	774.000					
0114	715.0502	Incentive Strength Concrete Structures	DOL	1,158.000	1,158.000					



CTH D EARTHWORK SUMMARY

From/To Station	205.0100 Common Excavation (1)		0100 Excavation 1)	Salvaged/Unusable Pavement Material (4)	Available Material (5)	Unexpanded Fill	Expanded Fill (6)	Mass Ordinate +/- (7)	208.0100 Borrow
		Cut (2)	EBS Excavation (3)				Factor 1.30		
37+68.69/42+31.26	CTH D	318	0	231	86	690	897	-811	811
		318	0	231	86	690	897	-811	811
		318	0	231	86	690	897	-811	811
TOTAL		3	18	231	86	690	897	-811	811

Notes:

(1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100 (includes existing asphaltic pavement).

(2) Salvaged/Unsuable Pavement Material is included in Cut.

(3) EBS Excavation to be backfilled with Cut material.

(4) Salvaged/Unusable Pavement Material (existing asphaltic pavement is not included in Fill quantity).

(5) Available Material = Cut - Salvaged/Unusuable Pavement Material.

(6) Expanded Fill Factor = 1.3; Expanded Fill = Unexpanded Fill * Fill Factor.

(7) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

PROJECT NO:	8827-00-70	HWY: CTH D	COUNTY: BARRON			MISCELLANEOU	S QUANTITIES	
FILE NAME : P:\BARRO	D\19003 - FOUR LOW-RISK BRIDGE REPLACEMENTS\19003-4 FOUR	MILE CREEK BRG, CTH D\CAD\C3D\SHEETSPLAN\030201-MQ.DWG		PLOT DATE :	11/25/2019 4:50 PM	PLOT BY :	MATT GUNDRY	PLOT NAME :
LAYOUT	NAME - 030201-mg							

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SHEET Ε WISDOT/CADDS SHEET 42

CLEARING AND GRUBBING

				201.0105 CLEARING	201.0205 GRUBBING
ROADWAY	STA	то	STA	STA	STA
CTH D	38+00	-	39+00	1	1
CTH D	41+00	-	42+00	1	1
TOTAL				2	2

Α	G	G	RE	GA	TE	ITE	MS
---	---	---	----	----	----	-----	----

TOTAL				50	440	4.9
CTH D	40+22.25	-	42+31.26	25	232	2.6
CTH D	37+68.69	-	39+77.75	25	208	2.3
ROADWAY	STA	то	STA	TON	TON	MGAL
				3/4-INCH	1 1/4-INCH	WATER
				DENSE	DENSE	624.0100
				AGGREGATE	AGGREGATE	
				BASE	BASE	
				305.0110	305.0120	

									G	UARDRAIL	ITEMS				
	ROADWAY CTH D CTH D	STA 37+68.69 40+22.25	TO STA - 39+77 - 42+31	455.0605 <u>TACK COAT</u> GAL 75 41 26 41	465.0105 ASPHALTIC <u>SURFACE</u> TON 47 47 47			ROADWAY CTH D CTH D CTH D CTH D	STA 38+87.12 38+87.12 40+20.36	TO STA - 39+79.6 - 39+79.6 - 41+12.9	LOCATION 4 LT 4 RT 3 LT	614.2500 MGS THRIE BEAM <u>TRANSITION</u> <u>LF</u> 39.4 39.4 39.4 39.4	614.2610 MGS GUARDRAIL TERMINAL <u>EAT</u> EACH 1 1 1		
	TOTAL			82	94	I		CTH D	40+20.36	- 41+12.9	13 RT	39.4 157.6	4		—
PROJECT NO:	8827-00-70		HWY: CTH	1 D		COUNTY: BARRON		MISCELLANEOUS QUANTITIES					SHEET	-	E
FILE NAME : P:\BAR LAYOU	RO\19003 - FOUR LOW-RISK BRIDGE REPLA T NAME - 030202-mq	CEMENTS\19003-4 FOU	UR MILE CREEK BRG, C	TH D\CAD\C3D\SHEETSPLA	N\030201-MQ.DWG	PLOT DATI	TE : 11/25/2019 4:50 PM	PLOT BY : MATT GUNDRY	PLOT NAME :					WISDOT/CADD	SHEET 4

FINISHING ROADWAY	
	21

1	
1	
EACH	
ROADWAY	
FINISHING	
213.0100	

RESTORATION ITEMS

				ROADWAY CTH D CTH D CTH D CTH D CTH D	STA 1 37+68.69 37+68.69 40+22.25 40+22.25	O STA - 39+77.75 - 39+77.75 - 42+31.26 - 42+31.26	LOCATION LT RT LT RT	625.0500 SALVAGED <u>TOPSOIL</u> SY 502 410 470 368 1750	627.0200 <u>MULCHING</u> SY 118 111 116 115 460	628.2008 EROSION MAT URBAN CLASS I <u>TYPE B</u> SY 502 410 470 368	N 629.0210 FERTILIZER <u>TYPE B</u> CWT 0.56 0.47 0.53 0.44 2	630.0120 SEEDING MIXTURE <u>NO. 20</u> LB 17 14 16 13 60	630.0500 SEED WATER MGAL 14 12 13 11 50		
		MAINTENANC	E AND REPAIR	R OF HAUL ROADS											
				618.0100*									MOBILIZATION		
				MAINTENANCE											
													619. MORILI	1000 ZATION	
		LOCATION		EACH								LOCATION	EA	CH	
		PROJECT		1							<u>,</u>	0010	0	3	
		-									li,	0020	0	7	
		TOTAL		1							-				
		*CAT 0030 (NO	N-PARTICIPA	TING)								TOTAL			
			EROSION C	CONTROL ITEMS											
					628.1520							EROSI	ON CONTROL MOBIL	IZATION	
				628 1504	SILT	628.600 TUREDIT	5 V								
				SILT FENCE	MAINTENANCI	BARRIER	S						629 1005	628.1910	
	ROADWAY	STA TO	STA LOC	CATION LF	LF	SY							MOBILIZATIONS	EMERGENCY	
	CTHD	37+68.69 -	40+00	RT 205	209								EROSION CONTROL	EROSION CONTROL	
	CTH D	40+00 -	42+31.26	LT 210	210						LOCATION		EACH	EACH	
	CTH D	40+00 -	42+31.26	RT 206	206						PROJECT		1	1	
	CTH D	B-03-0211	West Abutmen	it		70									
	CTH D	B-03-0211	1 East Abutmen	t		70					TOTAL		1	1	
	TOTAL			830	830	140	—								
					I										
PROJECT NO:	8827-00-70	NDGE REPLACEMENTS\19003-	HWY: CT			JNTY: BARR	UN PLOT DATE	· 11/29/2019 8·	MISCE			PLOT NAMF :		SHEET	

P:\BARRO\19003 - FOUR LOW-RISK BRIDGE REPLACEMENTS\19003-4 FOUR MILE CREEK BRG, CTH D\CAD\C3D\SHEETSPLAN\030201-MQ.DWG LAYOUT NAME - 030203-mq FILE NAME :

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PLOT DATE : 11/29/2019 8:33 AM

PLOT BY : MATT GUNDRY

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						637.2230	634.0812
						SIGNS	POSTS
						TYPE II	TUBULAR STEEL
						REFLECTIVE	2X2-INCH
						F	X 12-FT
SIGN GROUP NO.	SIGN CODE	SIGN MESSAGE		SIZE		SF	EACH
1-01	W5-52L	BRIDGE CLEARANCE STRIPER LEFT	12	X	36	3.00	1
1-02	W5-52R	BRIDGE CLEARANCE STRIPER RIGHT	12	X	36	3.00	1
1-03	W5-52R	BRIDGE CLEARANCE STRIPER RIGHT	12	X	36	3.00	1
1-04	W5-52L	BRIDGE CLEARANCE STRIPER LEFT	12	X	36	3.00	1
TOTAL						12.00	4

PERMANENT SIGNING ITEMS

REMOVING SIGNING ITEMS

		638,2602	638,3000
		REMOVING	REMOVING
		SIGNS	SMALL SIGN
		TYPE II	SUPPORTS
SIGN NO.	SIGN MESSAGE	EACH	EACH
1-01R	BRIDGE CLEARANCE STRIPER LEFT	1	1
1-02R	BRIDGE CLEARANCE STRIPER RIGHT	1	1
1-03R	BRIDGE CLEARANCE STRIPER RIGHT	1	1
1-04R	BRIDGE CLEARANCE STRIPER LEFT	1	1
TOTAL		4	4

PROJECT NO: 8827-00-70	HWY: CTH D	COUNTY: BARRO	N		MISCELLANEOU	IS QUANTITIES	
FILE NAME : P:\BARRO\19003 - FOUR LOW-RISK BRIDGE REPLACEMENTS\19003-4 FOUR MILE CREEK BRG, CTH D\CAD\C3D\SHEETSPLAN\030201-MQ.DWG			PLOT DATE :	11/25/2019 4:50 PM	PLOT BY :	MATT GUNDRY	PLOT NAME :

003-4 FOUR MILE CREEK BRG, CTH D\CAD\C3D\SHEETSPLAN\030201-MQ.DWG LAYOUT NAME - 030204-mq

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			F	ROADWAY	DURATION (DAYS)	643.0 TRAF CONT BARRIC <u>TYPI</u> EACH*	A20 FIC ROL ADES <u>E III</u> DAY	643.0 TRAFFIC C WARI LIGH <u>TYP</u> EACH*	0705 CONTROL NING HTS PE A DAY	643.09 TRAFI <u>CONTROL</u> EACH*	900 (FIC SIGNS <u>C</u> DAY	643.5000 TRAFFIC CONTROL EACH				
			(CTH D	45	14	630	18	810	6	270	1				
			1	TOTAL		63	0	81	10	270		1				
											* INFORMATI	ON ONLY				
	PAVEME	NT MARKING I	TEMS											FIELD O	FFICE	
			646 10)20											64	2.5001
			MARKINGLIN	E EPOXY											FIELD	
		Sta		YELLOW								10	CATION		<u>T</u>	
ROADWAY	STA	TO STA	LF	LF								PR	ROJECT			1
CTH D	37+68.69	- 42+31.26	926	347								-				1.025
TOTAL			1,27	3								то	TAL			1
		CONSTRUCT	ON STAKING													
				650.9910									SAW	ING ASF	HALT	
	2	650.4500	650.5000	CONSTRUCTION	650.99	20										690.0
	CC	STAKING	STAKING	SUPPLEMENTAL	STAKI	NG										SAW
		SUBGRADE	BASE	CONTROL	SLOPE S	AKES						ROADIA	ATA	TO	QTA	ASPH.
	O STA	LF	LF	LS	LF							CTH D	37+68.69	-	39+77.75	387
ROADWAY STA T	- 39+77.75	210	210		210							CTH D	40+22.25	-	42+31.26	387
ROADWAY STA 1 CTH D 37+68.69	10.01.00	210	210	- 1	210											10000
ROADWAY STA 1 CTH D 37+68.69 CTH D 40+22.25 CTH D PROJ	- 42+31.26 ECT											TOTAL				774
ROADWAY STA 1 CTH D 37+68.69 CTH D 40+22.25 CTH D PROJ	- 42+31.26 IECT		6299													
ROADWAY STA 1 CTH D 37+68.69 37+68.69 CTH D 40+22.25 40+22.25 CTH D PROJ 10 TOTAL 10 10	- 42+31.26 IECT	420	420	1	420	0										
ROADWAY STA 1 CTH D 37+68.69 37+68.69 CTH D 40+22.25 40+22.25 CTH D PROL PROL	- 42+31.26 IECT	420	420	1	420											

/ENTS\19003-4 FOUR MILE CREEK BRG, CTH D\CAD\C3D\SHEETSPLAN\030201-MQ.DWG FILE NAME : LAYOUT NAME - 030205-mq

TRAFFIC CONTROL ITEMS

FIEL	DOF	FICE

ET

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CONVENTIONAL ABBREVIATIONS

AR

AC

AH

ALUM

ET AL

BK

BLK

C/L

CSM

CONC

CO CTH

DIST

COR

DOC EASE

EX

GV

GN

HE

ID

LC

LT

MON

NGS

NO

OL

PT

PLE

POB

PC

PCC

POINT OF INTERSECTION

RESTICTIVE DEVELOPMENT

EASEMENT

STATE TRUNK HIGHWAY

TELEPHONE PEDESTAL

TEMPORARY LIMITED

EASEMENT

PLAT

LONG CHORD

RADIUS

TANGENT DIRECTION AHEAD

TRANSPORTATION PROJECT

UNITED STATES HIGHWAY

LONG CHORD BEARING

DEGREE OF CURVE

CENTRAL ANGLE LENGTH OF CURVE

DIRECTION BACK

CURVE DATA

LCH

LCB

DA

DB

∆/DELTA

PROPERTY LINE

RECORDED AS

REEL / IMAGE

REMAINING

RIGHT OF WAY

RIGHT

SECTION

STATION

VOLUME

SEPTIC VENT

SQUARE FEET

REFERENCE LINE

PI

PL

R/I

R/L

REM

RDE

RT

R/W

SEC

SEPV

STH

STA

TP

TLE

TPP

USH

(100')

SECTION LINE

QUARTER LINE

SIXTEENTH LINE

NEW R/W LINE

PROPERTY LINE

LOT, TIE & OTHER

MINOR LINES

SLOPE INTERCEPT

CORPORATE LIMITS

TEMPORARY LIMITED

EASEMENT AREA

BRIDGE

UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)

NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)

EASEMENT AREA (PERMANENT LIMITED OR

RESTRICTED DEVELOPMENT)

TRANSMISSION STRUCTURES

NEW REFERENCE LINE

EXISTING R/W OR HE LINE

ACCESS RIGHTS	
ACRES	
AHEAD	
ALUMINUM	
AND OTHERS	
BACK	
BLOCK	
CENTERLINE	
CERTIFIED SURVEY MAP	
CONCRETE	
COUNTY	
COUNTY TRUNK HIGHWAY	
DISTANCE	
CORNER	
DOCUMENT NUMBER	
EASEMENT	
EXISTING	
GAS VALVE	
GRID NORTH	
HIGHWAY EASEMENT	
IDENTIFICATION	
LAND CONTRACT	
LEFT	
MONUMENT	
NATIONAL GEODETIC SURVEY	
NUMBER	
OUTLOT	
PAGE	
POINT OF TANGENCY	
PERMANENT LIMITED	
EASEMENT	
POINT OF BEGINNING	
POINT OF CURVATURE	
POINT OF COMPOUND CURVE	

CONVENTIONAL UTILITY SYMBOLS

WATER	W
GAS	G
TELEPHONE	—T
OVERHEAD TRANSMISSION LINES	OH
ELECTRIC	E
CABLE TELEVISION	TV
FIBER OPTIC	F0
SANITARY SEWER	SAN
STORM SEWER	

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE BARRON COUNTY COORDINATE GRID, NAD83 (2011), IN U.S. SURVEY FEET, VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTER LINE OF EXISTING PAVEMENTS.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE BARRON COUNTY HIGHWAY DEPARTMENT.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS & INTERESTS REQUIRED.

CONVENTIONAL SYMBOLS



BEGIN RELOCATION ORDER

STA 37+00.00 Y= 74,362.167 X= 300,334.160 271.61 FEET WEST & 1.40 FEET NORTH FROM THE SOUTHEAST CORNER OF SECTION 17, T33N, R12W.



3 N

END RELOCATION ORDER

STA 43+00.00 Y= 74,356.974 X= 300,934.136 328.37 FEET EAST & 3.79 FEET SOUTH FROM THE SOUTHEAST CORNER OF

SECTION 17, T33N, R12W.



TOTAL NET LENGTH OF CENTERLINE = 0.114 MI.

	R/W PROJECT	NUMBER	SHEET NUMBER	TOTAL SHEETS
	STATE PROJEC	T NUMBER 70	4.1	2
	8827-00-	PLAT OF RIGHT-OF-WAY REQUIRED FOR		
		CTH D		
	FO	UR MILE CREEK BRIDGE E	3-03-02	211
	CTH D		BARRC	ON CO.
	CONSTRUCTIO	IN PROJECT NUMBER		
1				
4				
				9
		ORIGINAL PLANS PREPAR	≀ED BY	
		chs2		
_		ANALISIA .		
		IN SCONO	· · · · · · · · · · · · · · · · · · ·	
4		ALL AND NEW	V	
	2	BOWE	*	4489
		S-2827		建碳菊 改量
		CHIPPEWA FAL	LS	Pries
		The Ministry Wi	A sta	ł.,
		AND SURVE	OTATI	
		**************************************	-	
		DATE: 11/1/19 Var C. 1	Sour-	
		(5)5,600		
REVISION DATE		BARRON COUN	ΓY	
		APPROVED FOR BARRON COUNTY	1	
		DATE: 10/30/19 Malle	ature	
		- / Sign	store)	
				E



FILE NAME: P:\BARRO\19003 - FOUR LOW-RISK BRIDGE REPLACEMENTS\19003-4 FOUR MILE CREEK BRG, CTH D\CAD\C3D\RW\RDCTHD.DWG

PLOT DATE: 10/29/2019 11:56 AM

		R/W	TLE ACRES		
	REQUIRED	NEW	EXISTING	TOTAL	
G CARR 3/8 INTEREST, TERRY L	FEE	0.09	0.47	0.56	
	121		-		
	•				

	PLAT SHEET 4.2	
0-70	PS&E SHEET	Ε



P:\BARRO\19003 - FOUR LOW-RISK BRIDGE REPLACEMENTS\19003-4 FOUR MILE CREEK BRG, CTH D\CAD\C3D\SHEETSPLAN\050101-PP.DWG FILE NAME : LAYOUT NAME - 050101-pp

PLOT NAME

PLOT BY : PLOT DATE : 11/25/2019 5:50 PM

Standard Detail Drawing List

08E09-06 08E11-02 12403-10	SILT FENCE TURBIDITY BARRIER NAME DIATE (STRUCTURES)
1/0/2 061	MINWEST CHADDALL SVSTEM (MCS) CHADDALL
14D42-00A	MIDWEST GUANDRAIL STSTEM (MGS) GUANDRAIL
14642-066	MI DWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-06C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-05A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05I	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05J	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
15C02-07A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-07B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C06-09	SIGNING & MARKING FOR TWO LANE BRIDGES
15C08-19A	LONGITUDINAL MARKING (MAINLINE)
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS



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GENERAL NOTES

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

- $\textcircled{\sc 1}$ 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 $1/_8$ " X $1/_8$ " 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.







(WHEN REQUIRED BY THE ENGINEER)





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ALTERNATE LUG (FOR ATTACHMENT TO PRECAST STRUCTURES)

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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

(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE



ALTERNATE LUG

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

3/26/10 DATE FHWA

/S/ Scot Becker CHIEF STRUCTURAL DEVELOPMENT ENGINEER 3-10 ∢ 2

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SDD 14B42 Т 06a



SDD 14B42 Т 06b

25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS

DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS

SECTION THRU W-BEAM RAIL

06b - 1 4B42-SDD

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

DEPARTMENT OF TRANSPORTATION



SDD 14B42 Т 06c

GENERAL NOTES

- (A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL) AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.
- (B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED
- C DIFFERENT MANUFACTURERS REQUIRE DIFFERENT PERFORATED W - BEAM RAIL END PANELS. SEE MANUFACTURER'S INFORMATION.
- D ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF - TAPPING SCREWS. ONE SCREW PER CORNER.
- E HARDWARE MAY VARY BETWEEN MANUFACTURER SEE MANUFACTURER'S DRAWING FOR INFORMATION.

DIMENSIONS MAY VARY, MANUFACTURER'S INFORMATION.

SEE SDD 14B42 FOR MORE INFORMATION.

★ DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL

SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

THE CENTER OF THE UPPER 3 $\frac{1}{2}$ " DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.







SECTION C - C **TYPICAL AT POST NOS. 3 - 9**





(SEE OTHER





SECTION B - B TYPICAL AT POST NO. 2*



SDD 14B44 - 04b

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BILL OF MATERIALS

SEE	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. E MANUGACTURER'S DETAILS FOR MORE INFORMATION.
UPPE	R POST NO. 1 6" X 6" TUBE
LOWE	ER POST NO. 1
woo	D CRT
woo	D BLOCKOUT
PIPE	SLEEVE
BEAR	RING PLATE
BCT	CABLE ASSEMBLY
ANCH	HOR CABLE BOX
GRO	UND STRUT
PERF	ORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
STAN SECT	IDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. IONS VARY IN LENGTH.
IMPA	CT HEAD
EAT M (SEE	MARKER POST - YELLOW APPROVED PRODUCTS LIST)
SOIL	PLATE
UPPE	R POST NO. 2
LOWE	ER POST NO. 2

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SDD14B44 - 04b

MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



SDD 14B44 -· 04c





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MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

203/8"

SINGLE	SLOPE	CONNECTION	PLATE

	CONNECTOR PLATE DIMENSION (PER ASSEMBLY)				
PLATE	QUANTITY	SHAPE	SIZE (A × B × C × D)	THICKNESS	
P1	1	в	20" × 20"	3⁄16"	
P2	1	B	20" × 20" × 28%6"	3⁄16''	
P3	1	B A D	39" × 35/8" × 20" × 195/16"	3⁄16''	
S1	4	B	187/16" × 35/8" × 183/4"	1/4"	
S2	1	B C D	$10^{1}/_{4}$ " × $2^{7}/_{16}$ " × $10^{3}/_{8}$ " × $1/_{2}$ "	1/4''	
S3	1	BCD	3" × 1 ¹ / ₁₆ " × 3 ¹ / ₈ " × ¹ / ₂ "	1/4"	
S4	1	в	6¼8" × 2¼6"	1/4"	
S5	1	в 📥	6 ¹ / ₈ " × 1 ¹ / ₁₆ "	1/4"	
S6	1	в 📥	7 ³ ⁄ ₄ " × 1 ³ ⁄ ₄ "	1/4"	
S7	1	A₽C	2 ⁹ / ₁₆ " × 6" × 3 ⁵ / ₈ " × 5 ⁷ / ₈ "	1/4''	
S8	1	٩₽c	1 ⁵ / ₃₂ " × 7 ¹ / ₂ " × 2 ¹ / ₂ " × 7 ³ / ₈ "	1/4"	
S9	1	C B	6 ¹ / ₁₆ " × 6 ³ / ₁₆ " × 1 ³ / ₃₂ "	1/4"	
S10	1	A₽C	$1\frac{7}{8}$ " × $9\frac{7}{8}$ " × $3\frac{5}{8}$ " × $9^{11}/_{16}$ "	1/4"	
S11	1	C B	8 ¹ / ₂ " × 8 ³ / ₄ " × 1 ¹ ³ / ₁₆ "	1/4"	

(P3)-

(S2

(P2)

(\$3)

."e"



(VIEWED FROM BACK SIDE OF PLATE)

-(P1)

(S6)

(S1)

s5

(S1)

(s7

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WELDING INSTRUCTION

(VIEWED FROM BACK SIDE OF PLATE)

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GENERAL NOTES

COVER PLATE PANELS ARE 3/16" THICK.

ALL STIFFENERS ARE 1/4" THICK.

CONNECTOR PLATE SHALL BE FABRICATED FROM ASTM GRADE A36 STEEL AND GALVANIZED.

FOR GALVANIZED REQUIREMENTS, SEE SECTION 614 OF THE STANDARD SPECIFICATIONS.

ALL HOLE DIAMETERS SHALL BE 1". FOR OPPOSITE SIDE INSTALLATION MIRROR DRAWINGS.

(10) STIFFENERS LOCATED AT THE OUTSIDE EDGES OF THE COVER PLATES SHALL BE WELDED AS FOLLOWS: SINGLE BEVEL GROOVE WELD ON EXTERNAL SIDES AND $\frac{3}{16}$ " FILLET WELD BY 1" LONG SPACED AT 2" ON INTERNAL SIDES.

(11) STIFFENERS LOCATED ON THE INSIDE OF THE COVER PLATE SHALL BE WELDED AS FOLLOWS: $\frac{3}{6}$ " FILLET WELD BY 1" LONG SPACED AT 2".



45-THRIE BEAM TRANSITION (MGS) Ω STATE OF WISCONSIN 4 DEPARTMENT OF TRANSPORTATION APPROVED Δ /S/ Rodney Taylor 7/2018 Δ ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR DATE FHWA S

MIDWEST GUARDRAIL SYSTEM

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- (2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.
 - DAMAGED CONCRETE FROM BOLT INSTALLATION.







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CONNECTOR PLATE, DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(7) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THREE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/8" THICK AND ONE PLATE WASHER. REPAIR ANY



SDD 15C02 - 07

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GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF AL FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLIC OR COVERED AS NEEDED AND AS APPROVED BY THE I

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARAN

BARRICADES THAT MUST BE MOVED FOR A WORK OPEN COMPLETION OF THE OPERATION, OR FOR CONTINUING

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUO SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTOR SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHO FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER AN

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" S

- ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NO R11 - 2 SHALL BE 48" X 30"
 - R11 3 SHALL, R11 4 AND R10 61 SHALL BE 60 " M4 - 9 SHALL BE 30" X 24"
 - M3 X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO
 - M4 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO
 - M1 4, M1 5A AND M1 6 SHALL BE 24" X 24" (36" MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30"
 - D1 X SHALL BE AS SHOWN ON SPECIFIC PROJEC
 - R1 1 SHALL BE 36" X 36"
- 1 TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CE LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BA THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDG SPACING.
- (2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF
- (3) FOR ROAD CLOSURE <u>WITHOUT</u> LOCAL ACCESS TO PRO
- (4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJEC
- 5 FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITU R11 - 2 AND R11 - 3 SIGNS.
- (6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND A ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL ROUTE SIGNS TO CORRESPOND WITH THE EXISTING AS SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW SIGNS AS SHOWN.
- (7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TUI DIRECTIONS AND ARROWS AS APPROPRIATE.

L SIGNS AND BARRICADES	SHALL BE ADJU	STED TO FIT			
CT WITH TRAFFIC CONTRO ENGINEER.	L "IN USE", SHAL	L BE REMOVED			
OULD BE ADJUSTED TO NC NCE TO EXISTING SIGNS T	OT CONFLICT WIT	H AND SHOULD N IN PLACE.			
ERATION SHALL BE IMMEDI IG OPERATIONS, AT THE EI	ATELY RE-ESTAB ND OF EACH WOF	ELISHED UPON RKING DAY.			
OUS DAYS AND NIGHTS MA	Y BE MOUNTED (ON PORTABLE			
ORIZED ON BOTH FACES. DWN IN THE ROAD CLOSUF	STRIPES SHALL E RE BARRICADE D	BE PROPERLY ETAIL "D" FOR			
S SHALL BE VISIBLE ON BO	TH SIDES OF THE	BARRICADE.			
PLACED ON THE BARRICA IY PORTION OF THE MIDDL	DES SHALL COVE E RAIL OR BOTTO	ER NO MORE DM RAILS.			
GIGNS EXCEPT THE BACKG	ROUND IS ORAN	GE.			
TED BELOW:					
X 30"					
0 MATCH EXISTING SIGNS) 0 MATCH EXISTING SIGNS) 1 X 36" IF NEEDED TO MATC 1 IF NEEDED TO MATCH EXI CT SIGNING DETAIL SHEET	H EXISTING SIGN STING SIGNS) S.	S)			
ENTER BARRICADE AND A ARRICADES WITHIN THE R GE OF ROADWAY AS SHOW	MINIMUM OF ON OADWAY LIMITS. /N (APPROX. 8 FC	E WARNING SPACING OF DOT LIGHT		6	
F ROAD CLOSURE BEGINS	AT AN INTERSEC	TION.			
DJECT, SEE ROAD CLOSUR	E BARRICADE DE	ETAIL "D".			
CT, SEE ROAD CLOSURE BA	ARRICADE DETAIL	_ "E".			
TE "BRIDGE OUT" INSTEAD	OF "ROAD CLOS	ED" ON			
ARROWS ONLY IF SPECIFIE L REMAIN IN PLACE, ADJUS SSEMBLIES. MODIFY EXIST IF DETOUR SIGNS ARE BE W FOR PLACEMENT OF ALI	ED IN THE CONTR ST THE LOCATION FING SIGNS WHE ING INSTALLED E WARNING, DET	RACT. IF THERE N OF THE DETOUR RE POSSIBLE. SEE BY OTHERS, PLACE DUR AND GUIDE			
IRN ARROWS ARE SHOWN.	USE OTHER CAP	RDINAL			
				q	
	BARRI	CADES AND S	IGNS	07	
	VAR	FOR	PFS	~	
	VAIG			0	
	S DEPARTM	MENT OF TRANSPORT	ATION	50	
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	DATE	WORK ZONE ENGI	NEER	SD.	
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GENERAL NOTES

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

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING.

ARROW SYMBOL () SHOWS DIRECTION OF TRAVEL

LEGEND

"T" MARKING

POST MOUNTED SIGN

6

LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018 /S/ Matthew R. Rauch DATE STATE SIGNING AND MARKING ENGINEER

FHWA

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DEPARTMENT OF TRANSPORTATION

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WASHER PLACEMENT WHEN SIGN HAS OTHER THAN TYPE H OR TYPE F FACE

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 - 5/6" X 6-1/2" OR 7" LENGTH W/ NUTS SOUARE STEEL POSTS (2" x 2") MACHINE BOLTS - 3/8" X 3-1/4" LENGTH W/ NUTS RIVETS - 3/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL 0.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 SO. FT. REQUIRE THE USE OF 3 FASTENERS.

AT.	TACHMENT OF SIGNS TO POSTS
S DEPART	TATE OF WISCONSIN MENT OF TRANSPORTATION
APPROVED	
June 2017	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER
FHWA	

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2b 38-Δ 15 Δ Δ S



PROJECT NO: 8827-00-70	HWY: CTH D	COUNTY: BARRON	SIGN DETAILS
FUE NAME · C·\CAEfiles\Projects\tr stdplate\A48 DGN		PLOT DATE • 11-44-0-2016 11	·35 PLOT BY · \$\$ plotuser \$\$

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with ASTM Designation: A 153, Class D, or SC 3

 $\frac{3}{8}$ " X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

er	ATTACHMENT OF SIGNS
1+	TO POSTS
)n,	WISCONSIN DEPT OF TRANSPORTATION
	APPROVED Matthew R Rauch
	for State Traffic Engineer
	DATE <u>8/11/16</u> PLATE NO. <u>A4-8.8</u>
	SHEET NO: E





FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W552.DGN

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PLOT DATE : 29-MAY-2012 13:03

PLOT NAME :

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.

3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded. 4. Alternate colors of stripes as shown.

Z	Area sq. ft.	STANDARD SIGN				
		W5-52L & W5-52R				
	3.0					
	3.0	WISCONSIN DEPT OF TRANSPORTATION				
	6.75	APPROVED Matthew & Rauch				
		for State Traffic Engineer				
		DATE 5/29/12 PLATE NO. W5-52.9				
SHEET NO: E						
	PLOT	SCALE : 4.961899:1.000000 WISDOT/CADDS SHEET 42				



	STATE PROJECT NUMBER	
DESIGN DATA		———————————————————————————————————————
<u>):</u>	8827-00-70	
DADING;HL-93 (RATING FACTOR;RF = 1.14 3 RATING FACTOR;RF = 1.48 STANDARD PERMIT VEHICLE (Wis-	SPV) = 250 KIPS	
E IS DESIGNED FOR FUTURE WEARI OF 20 POUNDS PER SOUARE FOOT	ING	
DESIGN STRESSES: MASONRY SLAB R CONCRETE MASONRY L REINFORCEMENT, GRADE 60	f'c = 4000 P.S.I. f'c = 3500 P.S.I. fy = 60.000 P.S.I.	
FOUNDATION DATA S TO BE SUPPORTED ON 10¾ X D A REQUIRED DRIVING RESISTANCE MINED BY THE MODIFIED GATES DY D 45'LONG AT WEST ABUTMENT D 45'LONG AT EAST ABUTMENT	0.25-INCH CIP CONCRETE PILING OF 115 TONS ** PER PILE (NAMIC FORMULA.	
DRED AXIAL RESISTANCE OF PILES THE REQUIRED DRIVING RESISTANC DF 0.5 USING MODIFIED GATES TO	IN COMPRESSION USED FOR CE MULTIPLIED BY A RESISTANCE DETERMINE DRIVEN PILE CAPACITY.	
LIC DATA	TRAFFIC DATA	
FREQUENCY 280 C.F.S. RU BRIDGE = 280 C.F.S. 2 F.P.S.	A.D.T.(2040) = 830 R.D.S. = 55 MPH	
/// = 1166.28 AREA (BRIDGE) = 87 SO.FT. AREA = 1.8 SO.MI. RTOPPING FREQUENCY = > 100 YE/ ING MIN.EL. = 1169.75 ITICAL CODE = 5	AR	
REQUENCY C.F.S.		
= 1165.04 2.38 F.P.S. C(ONSULTANT CONTACT: ATT GUNDRY (715) 861-7425	
ELEV. (ER POLE 1168.10 BI (ER POLE 1166.96 W)	RIDGE OFFICE CONTACT: ILLIAM DREHER (608)266-8489	
in A		
(n)		
Xal		
NO. I	DATE REVISION	BY
	Chippowa Falls, WI 54729 Phone: 715.861.5226 www.cbssguaredinc.com	
NG BERE	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	8
ACCEF	PTED <u>William (C. Drehuser</u> 0 <u>1/1</u> CHIEF STRUCTURES DESIGN ENGINEER	5/20 DATE
S	TRUCTURE B-03-0211	
COUNT	TY TOWN/GITY/WILLAGE	
TITIES DESIGN	BARRON MAPLE N SPEC. ITO LEFD BRIDGE DESIGN SPECIFICATIONS NED DESIGN DRAWL	GROVE
AILS	MJG CK'D. MJG BY DPB CK'D.	MJG
	GENERAL PLAN SHEET 1	OF 8



CROSS SECTION THRU ROADWAY LOOKING EAST

TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	BID ITEMS	UNIT	SUPER.	WEST ABUT.	EAST ABUT.	TOTAL
203.0600.5	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS STA. 40+00.00	LS	-	-	-	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-03-0211	LS	-	-	-	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	-	130	130	260
502.0100	CONCRETE MASONRY BRIDGES	CY	133	30	30	193
502.3200	PROTECTIVE SURFACE TREATMENT	SY	180	-	-	180
502.3210	PIGMENTED SURFACE SEALER	SY	44	-	-	44
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	-	2600	2600	5200
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	20,360	1410	1410	23,180
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	-	21	21	42
550.2104	PILING STEEL CIP CONCRETE 10¾ X 0.25-INCH	LF	-	270	270	540
606.0300	RIPRAP HEAVY	CY	-	42	37	79
612.0206	PIPE UNDERDRAIN UNPERFORATED 6-INCH	LF	-	20	20	40
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	-	59	59	118
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	4	-	-	4
645.0120	GEOTEXTILE FABRIC TYPE HR	SY	-	111	102	213
	NON-BID ITEMS					
	PREFORMED FILLER	SIZE				1/2" & 3/4"

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH RIPRAP HEAVY AND GEOTEXTILE FABRIC TYPE HR TO THE LIMITS SHOWN ON SHEET 1 AND ON THE ABUTMENT SHEETS OR AS DIRECTED BY THE ENGINEER

THE EXISTING GROUND LINE SHALL BE THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES" FOR THE ABUTMENTS

SLAB FALSEWORK SHALL BE SUPPORTED ON PILES OR THE SUBSTRUCTURE, UNLESS AN ALTERNATE METHOD IS APPROVED BY THE ENGINEER

THIS STRUCTURE WILL REPLACE EXISTING BRIDGE, P-03-996, A 40.5-FOOT LONG, SINGLE-SPAN PRECAST CONCRETE CHANNEL BRIDGE SET ON TIMBER ABUTMENTS

AT THE BACKFACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH BACKFILL STRUCTURE TYPE A. THE BACKFILL STRUCTURE QUANTITIES ASSUMED A 11/2:1EXCAVATION SLOPE BEHIND THE ABUTMENTS

THE FIRST DIGIT OF A THREE DIGIT BAR MARK AND THE FIRST TWO DIGITS OF A FOUR DIGIT BAR MARK SIGNIFIES THE BAR SIZE

AT ABUTMENTS, CONCRETE POURED UNDER WATER WILL BE ALLOWED AND SHALL BE DONE IN ACCORDANCE WITH SECTION 502.3.5.3 OF THE STANDARD SPECIFICATIONS

DO NOT PLACE BACKFILL STRUCTURE ABOVE 3'-O" FROM BOTTOM OF ABUTMENT UNTIL SUPERSTRUCTURE IS IN PLACE AND MEETS MINIMUM CURING REQUIREMENTS OF SECTION 502.3.4.2 OF THE STANDARD SPECIFICATIONS

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TOP OF SLAB ELEVATIONS AND CAMBER VALUES

LOCATION	LT.EDGE SLAB ELEV.	©_ BRIDGE ELEV.	RT.EDGE SLAB ELEV.	CAMBER VALUE (INCHES)
W. 🗲 ABUT.	1170.34	1170.70	1170.34	0
1/10	1170.30	1170.66	1170.30	1/2
2/10	1170.26	1170 . 62	1170.26	1
3/10	1170.22	1170.58	1170.22	1 1⁄4
4/10	1170.18	1170.54	1170.18	11/2
5/10	1170.15	1170.51	1170.15	15/8
6/10	1170.12	1170.48	1170.12	11/2
7/10	1170.08	1170.44	1170.08	1 1/4
8/10	1170.06	1170.42	1170.06	1
9/10	1170.03	1170.39	1170.03	1/2
E. 🖳 ABUT.	1170.00	1170.36	1170.00	0



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& QUANTITI	ES					







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AL PI	_ANS PREPARED BY			DRAWN BY ALC		PLANS CK'D.	MJG	
c 2	Engineers - Surveyors - Architects		4	BUTMENT	SHEE	T 2	OF 8	
>	770 Technology Way Chippewa Falls, WI 54729 Phone: 715.861.5226 www.cbssquaredinc.com		E	LEVATION DETAILS				







- Т

MARK	DIM. A	DIM. B
A804	1'-0¾''	1'-0¾''
A510	1'-0¾''	1'-0¾''
A811	1'-0¾''	1'-0¾''
A415	2'-3 /4"	0'-8 ^l /4''

	BAR SERIES	S TABLE							
BUNDLE AND TAG EACH SERIES SEPARATELY									
MARK	NO. REQ'D	LENGTH							
A407	4 SERIES OF 11	4-10 TO 7-2							

BILL OF BARS - EACH ABUTMENT

	MARK	NO. REQ'D	LI	ENGT	Н	SERIES	COAT	BENT	LOCATION
	A501	84	6	-	0			Х	BODY VERT.
	A502	42	7	-	5			Х	BODY VERT.
	A503	9	41	-	1				BODY HORIZ.F.F.
	A804	18	27	-	0			Х	BODY HORIZ. B.F.
	A405	36	2	-	9			Х	BODY TIES
	A506	37	2	-	0		Х		BODY DOWELS
\otimes	A407	44	8	-	6	Х	Х	Х	WING VERT.E.F.
	A408	8	9	-	9		Х	Х	WING VERT.E.F.
	A409	18	4	-	0		Х		WING VERT.E.F.
	A510	18	11	-	8		Х	Х	WING HORIZ.F.F.
	A811	18	13	-	2		Х	Х	WING HORIZ. B.F.
	A412	4	10	-	0		Х		WING HORIZ.E.F.
	A413	4	7	-	6		Х		WING HORIZ.E.F.
	A414	4	5	-	0		Х		WING HORIZ.E.F.
	A415	4	10	-	7		х	х	WING DIAG.E.F.
	A416	8	8	-	4		Х	Х	WING HORIZ.

TOTAL WEIGHT - COATED	1410 LBS
TOTAL WEIGHT - UNCOATED	2600 LBS

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LEGEND

⊗ LENGTH SHOWN FOR BARS IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

NOTES

DIMENSIONS ARE OUT TO OUT OF BARS.

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	N0.	DATE		REVISION			BY	-
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NS PREPARED BY				DRAWN BY ALC		PLANS CK'D.	MJG]
ngineers - Surveyors - Architects 770 Technology Way Chippewa Falls, WI 54729 Phone: 715.861.5226 www.cbssquaredinc.com	E	AI BILL	BUTME OF B	NT ARS	SHE	ET 6	OF 8	-



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S501

LEGEND



18" RUBBERIZED MEMBRANE WATERPROOFING.SEAL ALL HORIZONTAL JOINTS ON BACKFACE.

KEYED CONST. JOINT FORMED BY BEVELED 2" × 6".

GENERAL NOTES

DIMENSIONS ARE OUT TO OUT OF BARS.

ALL SLAB THICKNESS DIMENSIONS ARE MINIMUM. ANY TOLERANCES NECESSARY TO CORRECT CONSTRUCTION DISCREPANCIES ARE TO BE PLUS (+).

TOP TRANSVERSE BARS IN SLAB SHALL BE SUPPORTED BY INDIVIDUAL BAR CHAIRS AT APPROXIMATELY 3'-O" CENTERS EACH WAY.BOTTOM LONGITUDINAL BARS SHALL BE SUPPORTED BY CONTINUOUS BAR CHAIRS AT APPROXIMATELY 4'-0" CENTERS.

PARAPETS PLACED ON TOP OF THE SLAB SHALL BE POURED AFTER FALSEWORK HAS BEEN RELEASED, EXCEPT FOR STAGED CONSTRUCTION.

PRIOR TO RELEASING SLAB FALSEWORK, TAKE TOP OF SLAB ELEVATIONS AT THE \pounds OF ABUTMENTS, THE \pounds OF PIERS AND AT THE 5/10 PTS. TO VERIFY CAMBER. TAKE ELEVATIONS ALONG GUTTER LINES AND CROWN OR ${f Q}$.

CAMBER SPANS AS SHOWN TO PROVIDE FOR DEAD LOAD DEFLECTION AND FUTURE CREEP. CAMBER DOES NOT INCLUDE ALLOWANCE FOR FORM SETTLEMENT.

5"									
_									
_								8	
<u>3/2''</u>									
— SYM. ABOUT €									
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L	OCATION	
- ''(GENERAL	
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FUR ADUIMENT FARAFETS								
BAR MARK	COAN	WEST ABUT.	EAST ABUT.	LENGTH	BENZ	BAR SERIES	LOCATION	
R501	Х	40	40	4'-5"	Х		PARAPET VERT.	
R502	Х	40	40	6'-8''	Х		PARAPET VERT.	
R503	Х	24	24	2'-9"	Х		PARAPET VERT.	
R504	Х	34	34	4'-4''	Х		PARAPET VERT.	
R505	X	10	10	6'-5''	Х		PARAPET VERT.	
R506	Х	12	12	6'-6''	Х		PARAPET VERT.	
R50 7	X	2	2	22'-11"	X		PARAPET HORIZ.	
R508	Х	10	10	23'-0"			PARAPET HORIZ.	
R509	Х	12	12	5'-5''	Х	Δ	PARAPET VERT.	
R510	Х	4	4	23'-1''	Х		PARAPET HORIZ.	
			TOTA	AL WEIGH	г (СС	ATED E	3ARS) - 25 7 0 LBS	

BAR MARK	NO. REQ'D	LENGTH					
R509	4 SERIES OF 6	4'-9'' TO 6'-1''					
BUNDLE	AND TAG EACH SE	RIES SEPARATELY.					

CTH D EARTHWORK SUMMARY

			AREA (SF)			Incremental Vol (CY)	(Unadjusted)		Cumulative Vol (CY)		
			()	Salvaged/Unusable		,	Salvaged/Unusable			Expanded	
			Cut	Pavement Material	Fill	Cut	Pavement Material	Fill	Cut	Fill	Mass Ordinate
STATION	Real Station	Distance							1.00	1.30	
						Note 1	Note 2	Note 3	Note 1		Note 4
37+68.69	3768.69	0.00	11.09	13.50	0.14	0	0	0	0	0	0
38+00	3800.00	31.31	8.77	13.50	18.23	12	16	11	12	14	-18
38+50	3850.00	50.00	8.59	13.50	81.13	16	25	92	28	133	-147
38+87.13	3887.13	37.13	9.11	13.50	92.74	12	19	120	40	289	-308
39+00	3900.00	12.87	9.24	13.50	83.68	4	6	42	44	344	-365
39+12.14	3912.14	12.14	9.45	13.50	73.93	4	6	35	48	390	-413
39+37.13	3937.13	24.98	10.92	13.50	34.22	9	12	50	58	455	-481
39+50	3950.00	12.87	35.96	13.50	25.08	11	6	14	69	473	-495
39+71.39	3971.39	21.39	36.22	13.50	18.00	29	11	17	98	495	-499
39+77.75	3977.75	6.36	65.49	13.50	1.59	12	3	2	110	498	-493
40+22.25	4022.25	44.50	59.91	13.50	3.27	103	22	4	213	503	-417
40+29	4029.00	6.75	34.96	13.50	19.07	12	3	3	225	507	-412
40+50	4050.00	21.00	34.59	13.50	14.30	27	10	13	252	524	-413
40+62.87	4062.87	12.87	11.03	13.50	14.01	11	6	7	263	533	-417
40+87.91	4087.91	25.04	9.64	13.50	42.32	10	13	26	272	567	-454
41+00	4100.00	12.09	8.97	13.50	52.78	4	6	21	276	594	-484
41+12.82	4112.82	12.82	8.51	13.50	66.47	4	6	28	281	631	-523
41+50	4150.00	37.18	8.78	13.50	64.26	12	19	90	292	748	-646
42+00	4200.00	50.00	8.46	13.50	36.70	16	25	93	308	870	-777
42+31.26	4231.26	31.26	7.73	13.50	0.09	9	16	21	318	897	-811

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Mass Ordinate	[Cut - Salvaged Pavt - (Fill * Fill Factor)]

PF	ROJECT NO:	8827-00-70	HWY: CTH D	COUNTY: BARF	ON		CROSS SECTIONS	S: EARTH	IWORK DATA
FILE	NAME : P:\BARR	O\19003 - FOUR LOW-RISK BRIDGE REPLACEMENTS\19003-4 FOUF	MILE CREEK BRG, CTH D\CAD\C3D\DESIGN\QUANTITIES\090101-EW.DWG	5	PLOT DATE :	11/25/2019 4:51 PM	PLOT BY :	MATT GUNDRY	PLOT NAME :

REPLACEMENTS\19003-4 FOUR MILE CREEK BRG, CTH D\CAD\C3D\DESIGN\QUANTITIES\090101-EW.DWG LAYOUT NAME - 090101-ew

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