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MNDOT REVIEW UNIT: BEN JILK

STATE PROJ. NO. 0804-520

EE IS	
	DESIGN DATA
ES AND SOQ	
	DESIGNED IN ACCORDANCE WITH 2014 AND CURRENT
	INTERIM ANSITO ER D'BRIDGE DESIGN SI ECH ICATIONS
TAILS	HL-93 LIVE LOAD
TATLS	DEAD LOAD INCLUDES 20 Dof ALLOWANCE FOR FUTURE
	WEARING COURSE MODIFICATIONS.
INFORCEMENT	MATERIAL DESIGN PROPERTIES:
	REINFORCED CONCRETE:
RETE BEAM	f'c = 4 ksi concrete
ETAILS	fy = 60 ksi STAINLESS STEEL BARS
RETE BARRIER (36")	n = 8 FOR REINFORCEMENT
AVING	PRETENSIONED CONCRETE:
IGHTING)	f'c = 9 ksl CONCRETE
SION DEVICE	fpu = 270 ksiLOW RELAXATION STRANDS
OW PLOW PROTECTION	0.75 fpu FOR INITIAL PRESTRESS
	2035 PROJECTED TRAFETO VOLUMES
	ROAD OVER ROAD LINDER
	4150 A.D.T. 4000
	220 H.C.A.D.T. 1150
	DESIGN SPEED: 60 MPH (OVER), 30 MPH (UNDER)
	APPROXIMATE DECK AREA = 5630 SF
	BRIDGE OPERATING RATING FACTOR RF = 1.85
ON NOTES.SEE SHEET 2.	
T FOR INPLACE UTILITIES.	
SET PARALLEL AT A7.=163°	35141.9"
H PANEL LAYOUT STANDARD HALL APPLY.	5 5-291.224
H TREATMENT STANDARD 5-	297.233
DETOURED DURING CONSTRU	CTION.
ORMLINER IN ABUTMENT FA	CE AND
	ME OR UNDER MY DIRECT SUPERVISION AND THAT T
	AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER
	THE LAWS OF THE STATE OF MINNESOTA
	SIGNED: DATE:

LICENSED PROFESSIONAL ENGINEER

NAME:

1'-8"

LEVEL

-(11)

(TYP.)

LIC. NO.



TRU	NK HIG	HWAY	NO.15
MINN	ESOTA	DEPA	RTMENT
0F	TRANS	SPORT	ATION

BRIDGE NO. 52016 GENERAL PLAN AND ELEVATION T.H. 15 OVER T.H. 14 1.4 MILES NORTHEAST OF

SOUTHWEST JCT. T.H. 14 AND T.H. 15 113' PRESTRESSED CONCRETE BEAM SPAN

SPAN IDENTIFICATION NO. 501 CEC 01 TWD 110 N D 70 W

SEC. 21		IWP. IIU N.	R. 30 W.
COURTLAND	TWP.	NICOLLET	COUNTY, MN

COURTLAND	IWP.	NICOLLET

SOUTH	I SIDE	APPROVED:							
				STA	TE B	RIDGE	ENGIN	EER	DATE
		DES:	DJR	DR:	DJF	2		52016	
		CHK:	DRS	CHK:	DRS	S		52016)
2016	(T.H.14=007)		SHEET	NO.	1	OF	40	SHEETS	

CONSTRUCTION NOTES:

THE 2016 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

SEE SPECIAL PROVISIONS FOR ALL XXXX.6XX SERIES PAY ITEMS FOR ADDITIONAL REQUIREMENTS.

THE BAR SIZES SHOWN IN THIS PLAN ARE IN U.S. CUSTOMARY DESIGNATIONS.

BARS MARKED WITH THE SUFFIX "E" SHALL BE EPOXY COATED IN ACCORDANCE WITH SPEC. 3301.

BARS MARKED WITH THE SUFFIX "S" SHALL BE STAINLESS STEEL IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA".

THE PILE LOADS SHOWN IN THE PLANS AND THE CORRESPONDING NOMINAL PILE BEARING RESISTANCE (R_n) WERE COMPUTED USING LRFD METHODOLOGY. PILE BEARING RESISTANCE DETERMINED IN THE FIELD SHALL INCORPORATE THE METHODS AND/OR FORMULAS DESCRIBED IN THE SPECIAL PROVISIONS.

CONSTRUCTION OF EACH ABUTMENT SHALL NOT BE STARTED UNTIL THE APPROACH FILL AT THAT ABUTMENT HAS BEEN CONSTRUCTED TO THE FULL HEIGHT AND CROSS SECTION PLUS 10' (AND ALLOWED TO SETTLE FOR 8 MONTHS).

ITEM NO.	ITEM	UNIT	QUANTITY
2401.501	STRUCTURAL CONCRETE (1G52)	CU YD	0
2401.501	STRUCTURAL CONCRETE (3B52)	CU YD	0
2401,513	TYPE MOD S (TL-4) 36" BARRIER CONCRETE (3S52)	LIN FT	353
2401.541	REINFORCEMENT BARS	POUND	0
2401.541	REINFORCEMENT BARS (EPOXY COATED)	POUND	0
2401.541	REINFORCEMENT BARS (STAINLESS-60KSI)	POUND	0
2401.601	STRUCTURE EXCAVATION	LUMP SUM	1
2401.618	BRIDGE SLAB CONCRETE (3YHPC-S)	SQ FT	6337
2402.591	EXPANSION JOINT DEVICES TYPE 4	LIN FT	108
2402,595	BEARING ASSEMBLY	EACH	12
2404.501	CONCRETE WEARING COURSE (3U17A)	SQ FT	6195
2405.502	PRESTRESSED CONCRETE BEAMS MN45	LIN FT	686
2405.511	DIAPHRAGMS FOR TYPE MN45 PREST BEAMS	LIN FT	98
2411.618	ANTI-GRAFFITI COATING	SQ FT	0
2411.618	ARCHITECTURAL SURFACE FINISH (MULTI COLOR)	SQ FT	0
2411.618	ARCHITECTURAL CONCRETE TEXTURE (THIN BRICK)	SQ FT	0
2411.618	ARCHITECTURAL CONCRETE TEXTURE (ASHLAR STONE)	SQ FT	0
2452.520	STEEL H-TEST PILE 60FT LONG 10"	EACH	2
2452.530	PILE TIP PROTECTION 10"	EACH	62
2452.603	STEEL H-PILING 10"	LIN FT	3410
2502.502	DRAINAGE SYSTEM TYPE (B910)	LUMP SUM	1
2514.501	CONCRETE SLOPE PAVING	SQ YD	244

						_			
		REVISION	_		_		CERTIFIED BY:		TITLE:
э.	DATE	DESCRIPTION	DR.	CHK.	APP'D.				
									CONSTRUCTION NOTES AND
							LICE	CENSED PROFESSIONAL ENGINEER DATE	SUMMARY OF QUANTITIES
							NAME:	LIC. NO.	

DR: DJR DES: DRS APPROVED: CHK: LPR CHK: DRS BRIDGE NO. STATE PROJECT NO. 0804-52016 52016 SHEET NO. 2 OF 40 SHEETS



	DIMEN	SIONS	BETWEI	EN	WOR	KIN	G P	0 I N	ΤS	EL	EVATIO	NS	
POINT	STATION	X-COORDIN	Y-COORDIN	A	в	С	D	E	F	TOP OF ROADWAY	TOP OF RDWY TO BR. SEAT	BRIDGE SEAT	POIN
Α	71+32.54	454156.460	274009.702		113.00	23.27	125.84		141.37	839.60	5.08	834.52	A
В	72+45.54	454266.876	273985.673				23.27	99.43		841.86	5,25	836.61	В
С	71+43.71	454163.033	273987.377				113.00	23,27	125.84	840.23			С
D	72+56.71	454273.448	273963.348						23.27	842,49			D
Е	71+54.88	454169.605	273965.052						113.00	840.05	5.08	834.97	E
F	72+67.88	454280.021	273941.023							842.31	5,25	837.06	F

	TOP OF	ROADWAY	TO BRI	DGE SEA	ΛT	
	DECK	ST00L	BEAM	BEARING	T01	[AL
	THICKNESS	HEIGHT	HEIGHT	HEIGHT	INCHES	FEET
WEST ABUT.	9"	33⁄4"	45"	3 ¹ ⁄4"	61	5.08
EAST ABUT.	9"	33⁄4"	45"	5 /4"	63	5.25

NOTES:

ALL DISTANCES ARE STRAIGHT LINE HORIZONTAL DISTANCES MEASURED IN FEET.

ALL COORDINATE VALUES SHOWN ARE PROJECT COORDINATES DEFINED IN FEET.

WORKING LINE IS TANGENT TO Ͼ T.H. 15 AT CONTROL POINT (Ͼ T.H. 15 INTERSECTION WITH T.H. 14 E.B.)

	REVISION				CERTIFIED BY		
DATE	DESCRIPTION	DR.	CHK.	APP'D.			
						LICENSED PROFESSIONAL ENGINEER DATE	BRIDGE LATOUT
					NAME:	LIC. NO.	

N0.



FRONT FACE

1-7"

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EDGE OF DECK-CONCRETE BARRIER

GUTTER LINE -/



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F	WEST ABUT REQUIRED NOMINAL RESISTANCE FOR H-PILE	MENT PILE BE S R _n -	ARING TONS/PILE	СО	WEST ABL MPUTED PI TONS/F	JTMENT LE LOAD - PILE	со	WEST ABUTMENT MPUTED PILE LOAD - TONS/PILE		-	
	FIELD CONTROL METHOD	[¢] dyn	**Rn	FACTORED D EARTH PRES	DEAD LOAD + SSURE	120.0	FACTO	DRED DEAD LOAD + H PRESSURE	120.0	+	
	MNDOT PILE			FACTORED L	IVE LOAD	17.2		DRED DOWNDRAG	27.5		
	$R_{p}=20 \sqrt{\frac{W \times H}{X}} \times \log\left(\frac{10}{10}\right)$	0.60	228.7	* BASED ON S	TRENGTH I LOAD		EARTH	H PRESSURE + DOWNDRAG	147.5	"%	
_	V1000 \S/	0.05	011.1				米米米BASEC INCLU	O ON DOWNDRAG LOAD COMBINAT DING TRANSIENT LOADS. ONLY L	ION, NOT ISED FOR	6-2	
	PDA	0.65	211.1	1 STEEL H	LS I TEST PILES 60	0 FT. LONG	COMP/ RESIS	ARISON WITH FACTORED STRUCTL TANCE, NOT TO BE USED FOR D	IRAL RIVING.		
÷	$* R_n = (FACTORED DESIGN LOAD)$	V [¢] dyn		30 STEEL H 31 STEEL H	I PILES EST, LE I PILES REQ'D F	NGTH 55 FT. OR WEST ABUTMENT.	NOT	FS:		+ +	
				PILE SPACING	SHOWN IS AT	BOTTOM OF FOOTING.	FOR S	SUMMARY OF QUANTITIES, SEE SH	EET 16.		
				PILES MARKEI FOOT IN DIRE	D THUS H - TO E ECTION SHOWN.	BE BATTERED 3" PER					
				PILES TO BE	HP-10×57.						
				FOR PILE SPL	LICE DETAILS SE	EE DETAIL B202.					
	7'-11 ⁄4" ► •	.	11'-47⁄8"				34'-117	8"	60	>	
		\wedge							Ň		
		11-311									/
Ŧ	<u>/</u>	\checkmark	2 SPA 131-011		Ŧ						
	*	4 31	* • 51-011 J					Ň			MES
	LES LES	4.1	\gg	10,-01	27/8"						إنبي ا
	au l	1 1 1 1 1 1 1	×4.	11-911	- 9						j y
				$\langle / /$				/ WORKING LINE			
" ^{8/9}			·	\mathcal{H}	-0/0		į	, ,		/	4/
14-				/ = = = = = =	<u>╶</u> ┤ ╶╴╸ ╸	6 SPA 6 8'-81/2" = 52				/	
		/	<u>T</u>						T /	ዲ PILES	BACK ROW
		<u>-3'-0</u>	<u>15%"</u>	-	┶ ↑	 2'-95 <u>%</u> ''	+ / /		—		
	4'-0"	4"	•		=9 -t		/	NO. 1			
	W.P. "	=					·+ <i>-</i> /	 द		W.P. "A"	 ^\
+				 SRG.		 61°19'03.3" اللہ ج					· · · · · · · · · · · · · · · · · · ·
			-		=6- -	(TYP.)	<u>→</u>			<u>∠°-07.</u>	<u>4 -</u> -
497		↓ ↓		-	~~	- /					3-8
ļ						//	<u> </u> ‡		-φ PILES	··	
				V		, í		-			
	1'-3"				6 SP/	/ A. @ 8'-8 ¹ /2" = 52'-3"					8'-91/4"
	≤ -> < 9'-7 ∛ ₄"			23'-	-31⁄4"			23'-3 /4"		⊳ ∢	6'-9
				•		63'-0"	► <	/1			
	SOUTH END					FOOTING	ΡΙΔΝ				
		REVISION									

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REVISION		CERTIFIED BY:	TITLE:
DATE DESCRIPTION DR. CHK. A	'D.		
			WEST ADUTATINE DETAILS 1
		LICENSED PROFESSIONAL ENGINEER DATE	WEST ADDIMENT DETAILS I
		NAME: LIC. NO.	





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	DES: LPR	DR: DJR	APPROVED:	
	CHK: DRS	CHK: DRS		
र	STATE P	ROJECT NO	0804-52016	DRIDGE NO.
			0007 52010	52016
	SHEET N	0.7 OF 4	40 SHEETS	52016
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NOTES:

FOR ADD'L ABUTMENT NOTES, SEE SHEET 6.

FOR WINGWALL ELEVATIONS, SEE SHEET 15.

FOR SECTION A-A SEE SHEET 16.

FOR SECTIONS C-C & D-D, SEE SHEET 6 .

PILING NOT SHOWN FOR CLARITY.

(1) MEMBRANE WATERPROOFING SYSTEM PER MnDOT 2481.3B. TO BE INCLUDED IN PRICE BID FOR STRUCTURAL CONCRETE (3B52).

(2) CONSTRUCTION JOINT 2" X 6" KEYWAY.

(3) CONSTRUCTION JOINT 2" X 12" KEYWAY

	DES: LPR	DR:	DJR	APPROVED:	
	CHK: DRS	CHK:	DRS		
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	SHEET	NO. 14	4 OF 4	40 SHEETS	52016



		REVISION		-		CERTIFIED BY:	TITLE:
10.	DATE	DESCRIPTION	DR.	CHK.	APP'D.		
							EAST ADUTMENT DETAILS
						LICENSED PROFESSIONAL ENGINEER DATE	LASI ADUIMENI DETAILS
						NAME: LIC. NO.	

NOTES:

FOR SECTION B-B, SEE SHEET 16. PILING NOT SHOWN FOR CLARITY. FOR ADDITIONAL ABUTMENT NOTES, SEE SHEET 6.

	DES: LPR CHK: DRS	DR: DJR CHK: DRS	APPROVED:	BRIDGE NO.
3	STATE PI	ROJECT NO.	0804-52016	
	SHEET N	0.15 OF 4	40 SHEETS	52016

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sce	NO.	DATE	DESCRIPTION	DR.	CHK.	APP'D.			
루									
Ť								LICENSED PROFESSIONAL ENGINEER DATE	
ブ									
Pv:							NA NA	AME: LIC. NO.	



SUMMARY OF QUANTITIES FOR WEST	ABUTME	:NT
STRUCTURAL CONCRETE (1G52)	0	CU YD
STRUCTURAL CONCRETE (3B52)	0	CU YD
REINFORCEMENT BARS	0	POUND
REINFORCEMENT BARS (EPOXY COATED)	0	POUND
REINFORCEMENT BARS (STAINLESS-60KSI)	0	POUND
ANTI GRAFFITI COATING	0	SQ FT
ARCHITECTURAL SURFACE FINISH (MULTI COLOR)	0	SQ FT
ARCHITECTURAL CONCRETE TEXTURE (THIN BRICK)	0	SQ FT
ARCHITECTURAL CONCRETE TEXTURE (ASHLAR STONE)	0	SQ FT
STEEL H-TEST PILE 60FT LONG 10"	1	EACH
STEEL H-PILING 10"	1705	LIN FT
PILE TIP PROTECTION 10"	31	EACH

SUMMARY OF QUANTITIES FOR EAST	ABUTME	NT
STRUCTURAL CONCRETE (1G52)	0	CU YD
STRUCTURAL CONCRETE (3B52)	0	CU YD
REINFORCEMENT BARS	0	POUND
REINFORCEMENT BARS (EPOXY COATED)	0	POUND
REINFORCEMENT BARS (STAINLESS-60KSI)	0	POUND
ANTI GRAFFITI COATING	0	SQ FT
ARCHITECTURAL SURFACE FINISH (MULTI COLOR)	0	SQ FT
ARCHITECTURAL CONCRETE TEXTURE (THIN BRICK)	0	SQ FT
ARCHITECTURAL CONCRETE TEXTURE (ASHLAR STONE)	0	SQ FT
STEEL H-TEST PILE 60FT LONG 10"	1	EACH
STEEL H-PILING 10"	1705	LIN FT
PILE TIP PROTECTION 10"	31	EACH

EL. 817.50 WEST ABUT. EL. 820.00 EAST ABUT.

NOTES:

- (1) MEMBRANE WATERPROOFING SYSTEM PER MnDOT 2481.3B. TO BE INCLUDED IN PRICE BID FOR OTHER ITEMS.
- ② 4"Ø PERFORATED PIPE. SEE DETAIL B910 FOR DETAILS.
- (3) ARCHITECTURAL CONCRETE TEXTURE (THIN BRICK)
- (4) ARCHITECTURAL CONCRETE TEXTURE (ASHLAR STONE) ARCHITECTURAL SURFACE FINISH (MULTI-COLOR) ANTI-GRAFFITI COATING

DES:	LPR	DR	: D	JR	APF	PROVED:		
CHK:	DRS	CH	K: D	RS				
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808	NO.	DATE	DESCRIPTION	DR.	CHK.	APP'D.		
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Ş							LICENSED PROFESSIONAL ENGINEER DATE	FRAMING PLAN
2								
2							NAME: LIC. NO.	



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NOTES:

"X" DENOTES X END OF BEAM.

(F1) DENOTES FIXED CURVE PLATE BEARING ASSEMBLY TYPE F1. SEE DETAIL B310.

(E1) DENOTES EXPANSION CURVE PLATE BEARING ASSEMBLY TYPE E1. SEE DETAIL B311.

	APPROVED:	DJR	DR:	DRS	DES:	
		DRS	CHK:	REM	CHK:	
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52016	O SHEETS	2 OF 4	0, 2	HEET N	s	
		'			-	



	BEAM	FIG. 5	-397 . 507			
ESSED FAM	DES: CHK:	DRS REM	DR: CHK:	JN DRS	APPROVED:	BRIDGE NO.
MN45-115	SHE	ET NO). 23	OF 40	O SHEETS	52016



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\sim	GENERAL NOTES
\sum	BOND AND GROUND THE CONDUIT SYSTEM (LIGHTING) IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SPEC. 2545.3.R.
	ADDITIONAL BARRIER AND DECK CONCRETE REQUIRED TO CONSTRUCT THE LIGHT POLE ANCHORAGE IS INCIDENTAL TO THE CONCRETE BARRIER AND DECK CONCRETE PAY ITEMS, RESPECTIVELY.
	-ANCHOR BOLT CLUSTER IS INCLUDED IN PRICE BID FOR-
	- (1) EXTEND THE 11/2" DIA. PVC COATED RIGID STEEL CONDUIT 3"- - ABOVE THE BARRIER AND INSTALL CAP
	-②SEE CONCRETE BARRIER SHEETS FOR TYPICAL BARRIER -REINFORCEMENT. WEIGHT OF REINFORCEMENT IS INCLUDED IN -PRICE BID FOR "REINFORCEMENT BARS (EPOXY COATED)."-
TER	3 BARS SHOWN ARE FOR ONE LIGHT BLISTER.
	(4) WRAP PER SPEC. 2565.3.D.7.
TING	(5) PROVIDE COMBINATION DEFLECTION/EXPANSION FITTING PER SPEC. 3839.



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- (3) EVERY SNOW PLOW FINGER SHALL HAVE FULL AND DIRECT BEARING ON THE PLATE THAT IS LOCATED UNDER THE MOVEMENT SIDE OF THE FINGER. NO CLICKING NOISE WILL
- (5) OMIT LAST PLOW FINGER ON DEVICE WITH CURVED END.

						FIG. 5	-397.628
ton device	DES:	JN	DR:	JN		APPROVED:	
FCTION	CHK:	DRS	CHK:	DRS			BRIDGE NO.
LESS THAN 50°)	Sł	IEET	NO. 3	2 OF ·	4C	SHEETS	52016



CELLULOSIC TYPE ELECTRODES E-6010 OR E-6011 SHALL BE USED FOR 100% BUTT WELDED SPLICES.

ELECTRODES WHICH HAVE BECOME WET, SOILED OR DAMAGED SHALL

WELDING SHALL NOT BE DONE WHEN THE AMBIENT TEMPERATURE IS LOWER THAN 0° F. OR WHEN THE PILE IS WET OR EXPOSED TO FALLING RAIN OR SNOW. WHEN THE FILE METAL TEMPERATURE IS BELOW 32° F., THE PILE METAL IN THE AREA OF THE WELD SHALL BE HEATED TO A MINIMUM TEMPERATURE OF 70° F. AND MAINTAINED AT THIS TEMPERATURE DURING WELDING.

STATE OF RTMENT OF	MINNESOTA TRANSPORTATION	REVISION: 11-06-2013	DETAIL NO.		
PILE H BEARING	SPLICE PILES 10" TO 14		B202		
	DES: JN	DR: JN	APPRO	DVED:	
	CHK: DRS	CHK: DRS			
	STATE PF	EDOLC			
	SHEET NO	0.33 OF 4	0 5	SHEETS	52016



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	APPROVED:	JN	DR:	JN	DES:
		DRS	CHK:	DRS	CHK:
DRIDGE NO.	1904-52016			TATE	C.
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		BAR	NO.	LENGTH	SHAPE	LOCATION
		SD401E	50	6'-9"		VERTICAL TIE
		SD702E	16	5'-0"		LONG. THRU BEAM
		SD403E	20	5'-4"		LONG, TOP
		SD704E	20	7'-2"		LONG, BOTTOM
-		SD605E	10	16'-8"		LONGITUDINAL
φÎ		-SD506E				LONGITUDINAL
±↓.	5	SD507E	2	45'-7"		LONGITUDINAL
_	6	SD508E	70	4'-8"		VERTICAL TIE

STATE OF RTMENT OF	MINNESOTA TRANSPORTATION	1	REVISED 04-17-2013 11-06-2013	DETAIL NO.
RETE EI 3,82MW & (PARAPET	ND DIAPHRA(96MW PRESTRESS ABUTMENT)	GM ED CONCRETE BEAN	N S)	B814
	DES: DRS	DR: JN A	APPROVED:	
	CHK: LPR	CHK: DRS		
	STATE PF	E201C		
	SHEET NO	0.36 OF 40) SHEETS	52016



CON	ICRETE WEARING COURSE	PAINT SYSTEM	OTHER ITEMS ①
LOW SLUMP		Mn/DOT SPECIFICATION NUMBER2478 OR 2479 OR OTHER	(1) UTILITIES ADDED DURING CONSTRUCTION AND SPECIALTY ITEMS.
OTHER	TYPE OR MANUFACTURER	MANUFACTURERNAME AND ADDRESS (CITY, STATE)	FINAL QUANTITIES ENTERED ON SCHEDULE OF QUANTITIES: YES NO
	EXPANSION JOINTS	PRIME COAT	_
JOINT MANUFACTURER		INTERMEDIATE COAT	_
MANUFACTURER'S IDENTIFICATIO	ON	FINISH COAT	-
GLAND MANUFACTURER	NAME AND ADDRESS (CITY, STATE)	PLAN QUALITY RATE 1 (AGREE), 2 (NEUTRAL), OR 3 (DISAGREE, PLEASE COMMENT BELOW)	
MANUFACTURER'S IDENTIFICATIO	MFR'S NO. AND/OR LETTER DESIGNATION FOR GLAND USED	DIMENSIONING AND DETAILING ADEQUATELY DESCRIBED REQUIRED CONSTRUCTION BAR LISTS AND QUANTITIES WERE TYPICALLY COMPLETE AND FREE OF ERRORS SCALE OF DRAWINGS AND OVERALL LEGIBILITY OF LINES AND TEXT WAS GOOD	
PAD MANUFACTURER	NAME AND ADDRESS (CITY, STATE)	(SB) SPECIAL PROVISIONS ADEQUATELY DESCRIBED SPECIAL WORK AND PAYMENT	
SYSTEM:	COLOR:		
FINISHING ROA	ADWAY FACES OF BARRIER RAILING	NUMBER OF BRIDGE SUPPLEMENTAL AGREEMENTS: COST: \$ LIST SIGNIFICANT ERRORS OR OMISSIONS IN PLAN DETAILS OR PAY QUANTITIES IN THE SPACE PROVIDED AT RIGHT.	
<u>A</u>	NTI-GRAFFITI COATING	BRIDGE REMOVAL / BRIDGE OPENING	
MANUFACTURER	NAME AND ADDRESS (CITY, STATE)	NUMBER OF AND DATE OLD BRIDGE WAS REMOVED (IF APPLICABLE):	
		DATE NEW BRIDGE WAS OPENED TO TRAFFIC	
			THE AS-BUILT INFORMATION WAS ADDED TO THE PLAN BY:
			INSPECTOR(S) SIGNATURE DATE CHECKED BY: PROJECT ENGINEER/SUPERVISOR SIGNATURE DATE AT THE TIME OF THE FINAL, THIS COMPLETED AS-BUILT BRIDGE DATA SHEET MUST BE SUBMITTED TO THE BRIDGE OFFICE - ATTN: DECIDINAL CONSTRUCTION ENGINEER (ASCIO)
REVISION: 10-28-2008	AS-RUTI T	DETAILS	FIG. 5-397.900
APPROVED: SEPTEMBER 26, 2003	(AS NE	EDED)	AS-BUILT PLAN AS-BUILT PLAN





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NOTES:

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA".

CONE PENETROMETER TEST (CPT) SOUNDING LOCATIONS ARE NOTED IN THE PLAN VIEW. CPT SOUNDING INFORMATION IS NOT SHOWN IN THE BRIDGE PROFILE DUE TO THE AMOUNT OF DATA ASSOCIATED WITH THIS INVESTIGATION TECHNIQUE. THE COMPLETE SOUNDING LOGS MAY BE FOUND ON THE MNDOT WEBSITE AT: http://www.dot.state.mn.us/ geotechnical/foundations/borings/borings.asp OR ARE AVAILABLE IN PRINT ON REQUEST.THESE LOGS ARE CONSIDERED A PORTION OF THE CONTRACT DOCUMENTS.

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